



**Jefferson  
Parish**  
State of Louisiana



**All South  
Consulting  
Engineers**

STATEMENT OF QUALIFICATIONS  
**INDEPENDENCE PARK  
DRAINAGE PUMP STATION**

SOQ 24-029 | RESOLUTION NO. 144443

**ALL SOUTH CONSULTING ENGINEERS, LLC**  
652 PAPWORTH AVENUE, METAIRIE, LOUISIANA 70005  
OFFICE: (504) 322-2783 | FAX: (504) 322-2787

## TEC Professional Services Questionnaire

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

SOQ 24-029 Independence Park Drainage Pump Station

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



652 Papworth Avenue,  
Metairie, Louisiana 70005

**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:**

Timothy P. Bonura, P.E.  
Managing Partner  
504-322-2783  
[tim@ascellc.com](mailto:tim@ascellc.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.**

Timothy P. Bonura, P.E.  
Managing Partner  
504-322-2783  
[tim@ascellc.com](mailto:tim@ascellc.com)

John Teegarden, P.L.S.  
Vice President, Survey Division Manager  
504-322-2783  
[jteegarden@ascellc.com](mailto:jteegarden@ascellc.com)

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

<u>7</u>	Administrative	<u>0</u>	Estimators	<u>1</u>	Specification Writers
<u>1</u>	Architects (Licensed)	<u>0</u>	Geologists	<u>2</u>	Structural Engineers
<u>0</u>	Chemical Engineers	<u>0</u>	Geotechnical Engineers	<u>2</u>	Graduate Engineers
<u>12</u>	Civil Engineers	<u>0</u>	Interior Designers	<u>4</u>	Project Managers
<u>13</u>	Construction Inspectors	<u>0</u>	Landscape Architects	<u>3</u>	Clerical
<u>0</u>	Ecologists	<u>0</u>	Land Surveyor	<u>10</u>	Grant/Funding Specialist
<u>0</u>	Electrical Engineers	<u>0</u>	Mechanical Engineers	<u>0</u>	Sanitary Engineers
<u>8</u>	Engineer Intern	<u>0</u>	Environmental Engineers		
<u>2</u>	Professional Land Surveyor			<u>76</u>	<b>TOTAL</b>

**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.

2.

**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. <b>Marrero, Couvillon &amp; Associates, LLC</b> 3525 Hessmer Avenue, Suite 304 Metairie, Louisiana 70002	Mechanical and Electrical Engineering	Yes
2. <b>The Beta Group, LLC</b> 1428 Claire Avenue Gretna, Louisiana 70053	Geotechnical Engineering	Yes
3.		

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

All South Consulting Engineers, LLC will provide **12** key personnel to this project. With a total of **77** staff members, All South has ample additional resources to allocate as necessary.



## 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:**

**Timothy P. Bonura, P.E.**  
*Partner/ Principal in Charge*

**Project Assignment:**

Principal in Charge

**Name of Firm with which associated:**

All South Consulting Engineers, LLC



**Years' experience with this Firm:**

20

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

Bachelor of Science, 1994, Civil Engineering

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

2001, Civil, Louisiana License No. 29351; 2009, Civil, Mississippi License No. 18974  
2009, Civil, Alabama License No. 30479; 2010, Civil, Georgia License No. 34769

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

Timothy Bonura, P.E. began his career in 1994 after receiving his Bachelor of Science in Civil Engineering from the University of New Orleans. Having worked in the Civil Engineering business for 10 years, establishing a strong and solid reputation in the metro New Orleans area, Mr. Bonura decided to start his own engineering firm.

In 2004, Mr. Bonura co-founded All South Consulting Engineers, LLC. As Principal, Mr. Bonura is involved in every aspect of the daily operations, which includes designs, project management, business development, client relations, and personally ensures all contractual obligations are fulfilled timely. He is the point of contact for the project owners and ensures that adequate resources are available to all team members.

Over the course of his career, Mr. Bonura has worked with many local, state and federal agencies and provided professional engineering and project management services on more than \$1 billion worth of projects throughout Southeast Louisiana. Mr. Bonura is providing guidance, direction and staffing for current projects. As point of contact between the owner and staff engineers, he ensures the project design and results are compatible with the owners' requested service.



## **TEC Professional Services Questionnaire**

### **Russell Street Pump Station** *Jefferson Parish, Louisiana*

Mr. Bonura provided project oversight and led staff engineers for the design of the Russell St. Pump Station project. The project consists of building a new 200CFS pump station to alleviate local flooding for a neighborhood in River Ridge. The pump station has over a thousand LF of 72" outfall to an existing drainage ditch along Jefferson Hwy and has new culverts feeding the pump station consisting of jack and bored 54" pipes under a railroad right-of-way with new 72" culverts upstream of the railroad. Mr. Bonura is also providing oversight for the ongoing design of the full system of pump station drainage improvements.

### **Westgate Subdivision Drainage Improvements** *Jefferson Parish, Louisiana*

Mr. Bonura provided design and administration oversight for the design and coordination of multi-discipline consultants for the drainage improvements for this Jefferson Parish drainage project. The scope of work included the design and construction of two pump stations, the addition of drainage check valves, electrical requirements, structural design for generators and fuel tanks, and partial reconstruction of an existing roadway. Repairs includes approximately 3,200 linear feet of 36" reinforced concrete pipe arch, 8,800 square yards of concrete roadway replacement, relocation of utilities, including, water and sewer house connections, and construction of a 30-cubic foot per second and 25 cubic foot per second pump stations.

### **East St. John High School Hazard Mitigation – Pump Station/Flood Protection** *St. John the Baptist Parish, Louisiana*

This project consists of implementing flood mitigation measures to East John High School to prevent flooding of the 28-acre campus due to area flooding and/or storm surge for the 100-yr design event. The campus was flooded in 2012 due to Hurricane Isaac and FEMA funds were provided to the owner for flood damage repairs and additional flood mitigation measures. Mr. Bonura supervised staff engineers in the design of this project which consisted of the initial flood mitigation conceptual design, including a perimeter floodwall and levee system, driveway ramps for student, faculty and bus access, layout for a new drainage system complete with an interior drainage pump station with back-up generator, bypass sluice gate structure and onsite retention area for storm water.


### **Tudor and Tallulah Drainage Improvements** *River Ridge, Jefferson Parish, Louisiana*

Mr. Bonura provided leadership and project oversight of the design of drainage improvements for Tudor Ave and Tallulah Ave in River Ridge. The project included hydrologic and hydraulic analysis for the drainage areas of interest. The goal of this analysis is to provide a master plan that will result in no street flooding due to the 10-yr, 24-hr rainfall event. Hydrologic analysis was performed in HEC-HMS. Peak flows were determined using the EPA SWMM closed storm sewer system analysis software. Using the same design storm and criteria, an analysis of the required drainage capacity was also performed to help identify improvements. All South provided the study and recommendations with cost analysis to improve the systems.

### **Lake Trail Dr. Drainage Improvements (W. Esplanade Ave. to Bruin Dr.)** *Jefferson Parish, Louisiana*

Mr. Bonura provided engineering oversight for the Lake Trail project which consisted of interpreting a preliminary drainage analysis on the existing drainage system from Bruin Drive to the Canal 3 outfall. Implementing the designed drainage system, while also improving the sidewalks, driveways and street profile for better drainage, he developed a set of project plans, project traffic control plans, specifications, cost estimate and coordination with all involved utility agencies to final plans. The project is currently on hold by the Parish.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>  Jens J. Nielsen, Jr., P.E. <i>Partner/ Principal in Charge</i>
<b>Project Assignment:</b>  Principal in Charge
<b>Name of Firm with which associated:</b> All South Consulting Engineers, LLC 
<b>Years' experience with this Firm:</b>  20
<b>Education: Degree(s)/Year/Specialization:</b>  Bachelor of Science, 1992, Civil Engineering
<b>Active registration: Year first registered/discipline:</b>  1996, Civil, LA License No. 27096 1999, Civil, Mississippi License No. 19001
<b>Other experience and qualifications relevant to the proposed Project:</b>  <p>Jens J. Nielsen Jr., P.E. began his career in 1992 after receiving his Bachelor of Science in Civil Engineering from Louisiana State University. Upon graduating, he worked for 12 years with three multi-disciplinary civil engineering firms. During his tenure with these firms, Mr. Nielsen worked as design engineer and construction manager on engineering projects for municipal, private and state projects.</p> <p>After establishing his reputation as an experienced and trusted civil engineer in Southeast Louisiana, Mr. Nielsen was prompted to enhance his career even further. In 2004, Mr. Nielsen co-founded All South Consulting Engineers, LLC. As Principal, he manages the daily operations of the firm, overseeing designs and project management, ensuring time and budgetary commitments are upheld, and maintaining key client relations.</p> <p>Mr. Nielsen has provided QA/QC over the projects that All South Consulting Engineers, LLC has designed. He has additionally provided QA/QC services for the designs of other consultants as project manager of FEMA related projects after Hurricane Katrina for various municipalities</p> <p><b>Alidore Drainage Improvements and Statewide Flood Control Lafourche Parish, Louisiana</b>          Mr. Nielsen provided design and administration oversight of the pre-application for Statewide Flood Control Program; coordinated pre-application with the Parish and State DOTD representatives; researched supporting information to justify flood control improvements; developed project components and provided cost estimates for project components. Mr. Nielsen assisted in conducting the initial evaluation of project area, reviewed application for funding under Statewide Flood Control Program conducted surveying and constructed a drainage model to analyze the system</p>

## **TEC Professional Services Questionnaire**

and develop a recommended plan for improvements. This plan includes a new pump station with 3-36" pumps and reservoir improvements close to the pump station.

### **Des Allemands Pump Station** *Lafourche Parish, Louisiana*

The project consisted of demolishing and replacing the Des Allemands drainage pump station and raising the adjacent levees on Bayou Des Allemands. This project included installation of steel sheet pile; pre-cast concrete deck structure, pump house building, 2-20" axial flow drainage pumps with natural gas fired engines. Mr. Nielsen performed and supervised staff engineers in the design and construction management of this project.

### **Russell Street Pump Station** *Jefferson Parish, Louisiana*

Mr. Nielsen provided project oversight and led staff engineers for the design of the Russell St. Pump Station project. The project consists of building a new 200CFS pump station to alleviate local flooding for a neighborhood in River Ridge. The pump station has over a thousand LF of 72" outfall to an existing drainage ditch along Jefferson Hwy and has new culverts feeding the pumpstation consisting of jack and bored 54" pipes under a railroad right-of-way with new 72" culverts upstream of the railroad. Mr. Nielsen is also providing oversight for the ongoing design of the full system of pump station drainage improvements.

### **Westgate Subdivision Drainage Improvements** *Jefferson Parish, Louisiana*

Mr. Nielsen provided design and administration oversight, as well as project QA/QC, for the design and coordination of multi-discipline consultants for the drainage improvements for this Jefferson Parish drainage project. The scope of work included the design and construction of two pump stations, the addition of drainage check valves, electrical requirements, structural design for generators and fuel tanks, and partial reconstruction of an existing roadway. Repairs includes approximately 3,200 linear feet of 36" reinforced concrete pipe arch, 8,800 square yards of concrete roadway replacement, relocation of utilities, including, water and sewer house connections, and construction of a 30-cubic foot per second and 25 cubic foot per second pump stations.

### **Donaldsonville Drainage Improvements** *Donaldsonville, Louisiana*

Mr. Nielsen worked with a team to plan and design drainage improvements for the BLFWD in the City of Donaldsonville. The project included identifying the drainage area that flows into Bayou Lafourche, survey, engineering & design of multiple pump station and/or drainage outfall sites to manage drainage into the Bayou. Mr. Nielsen also assisted the BLFWD in coordinating this work with the City, and with the funding agencies.

### **East St. John High School Hazard Mitigation – Pump Station/Flood Protection** *St. John the Baptist Parish, Louisiana*


This project consists of implementing flood mitigation measures to East John High School to prevent flooding of the 28-acre campus due to area flooding and/or storm surge for the 100-yr design event. The campus was flooded in 2012 due to Hurricane Isaac and FEMA funds were provided to the owner for flood damage repairs and additional flood mitigation measures. Mr. Nielsen supervised staff engineers in the design of this project which consisted of the initial flood mitigation conceptual design, including a perimeter floodwall and levee system, driveway ramps for student, faculty and bus access, layout for a new drainage system complete with an interior drainage pump station with back-up generator, bypass sluice gate structure and onsite retention area for storm water. Mr. Nielsen performed quality control reviews throughout the project.

### **Tudor and Tallulah Drainage Improvements** *Jefferson Parish, Louisiana*

Mr. Nielsen provided the evaluation and design of drainage improvements for Tudor Ave. and Tallulah Ave. in River Ridge. The analysis included hydrologic and hydraulic analysis for the drainage areas of interest. The goal of this analysis is to provide a master plan that will result in no street flooding due to the 10-yr, 24-hr rainfall event. Mr. Nielsen performed hydrologic analysis was performed in HEC-HMS. Peak flows were determined using the EPA SWMM closed storm sewer system analysis software. Using the same design storm and criteria, an analysis of the required drainage capacity was also performed to help identify improvements. All South provided the study and recommendations with cost analysis to improve the systems.



## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>  Stephen Bourg, P.E. <i>Senior Vice President</i>
<b>Project Assignment:</b>  Senior Project Manager/ Senior Engineer
<b>Name of Firm with which associated:</b> All South Consulting Engineers, LLC 
<b>Years' experience with this Firm:</b>  19
<b>Education: Degree(s)/Year/Specialization:</b>  Bachelor of Science, Civil Engineering, 1994 Post-Graduate Studies – Structural Engineering, 1994-1996
<b>Active registration: Year first registered/discipline:</b>  1998, Civil, Louisiana License No. 28240
<b>Other experience and qualifications relevant to the proposed Project:</b>  <p>Stephen Bourg, P.E. joined All South Consulting Engineers in 2005, and is currently Senior Vice President managing both the design and disaster management divisions. His responsibilities include oversight of all design projects and grant programs. Mr. Bourg manages a staff of over 40 individuals including professional engineers, program/construction managers and other design/supporting professionals. Mr. Bourg has over 29 years of civil structural design experience and over 12 years of PA, HMGP, Debris &amp; PDA experience on federally declared disasters. He has overseen design, program and construction management of over 2 billion dollars of projects which include: schools, theme parks, roads, bridges, locks, drainage infrastructure, public utilities, pump stations, coastal restoration, levees, floodwalls, hotels, fire houses, high rise condos, community centers, and numerous commercial buildings.</p> <p><b>Des Allemands Pump Station and Levee Project</b> <i>Lafourche Parish, Louisiana</i>          The project consisted of demolishing and replacing the Des Allemands drainage pump station and raising the adjacent levees on Bayou Des Allemands. This project included installation of steel sheet pile; pre-cast concrete deck structure, pump house building, 2-20" axial flow drainage pumps with natural gas fired engines. Mr. Bourg performed and supervised staff engineers in the design and construction management of this project.</p> <p><b>East St. John High School Hazard Mitigation Pump Station/Flood Protection</b> <i>St. John Parish, Louisiana</i>          This project consisted of implementing flood mitigation measures to East John High School to prevent flooding of the 28-acre campus due to area flooding and/or storm surge for the 100-yr design event. The campus was flooded in 2012 due to Hurricane Isaac and FEMA funds were provided to the owner for flood damage repairs and additional flood mitigation measures. Mr. Bourg supervised staff engineers in the design of this project which consisted of the initial</p>

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flood mitigation conceptual design, including a perimeter floodwall and levee system, driveway ramps for student, faculty and bus access, layout for a new drainage system complete with an interior drainage pump station with back-up generator, bypass sluice gate structure and onsite retention area for storm water. Mr. Bourg prepared the hazard mitigation grant application and secured Federal Funding for this project.

### **Alidore Pump Station *Lafourche Parish, Louisiana***

Mr. Bourg provided design and administration oversight of the Pre-application for Statewide Flood Control Program; Coordinated Pre-App with Parish and State DOTD representatives; Site assessment with parish staff; researched supporting information to justify flood control improvements; develop project components and provided cost estimates for project components. Mr. Bourg conducted initial evaluation of project area, reviewed application for funding under Statewide Flood Control Program conducted surveying and constructed a drainage model to analyze the system and develop a recommended plan for improvements. This plan includes a new pump station with 3- 36" pumps, as well as reservoir improvements close to the pump station.

### **Westgate Subdivision Drainage Improvements *Jefferson Parish, Louisiana***

Mr. Bourg provided design and administration oversight for the design and coordination of multi-discipline consultants for the drainage improvements for this Jefferson Parish drainage project. Scope of work included the design and construction of two pump stations, the addition of drainage check valves, electrical requirements, structural design for generators and fuel tanks, and partial reconstruction of an existing roadway. Repairs includes approximately 3,200 linear feet of 36" reinforced concrete pipe arch, 8,800 square yards of concrete roadway replacement, relocation of utilities, including, water and sewer house connections, and construction of a 30-cubic foot per second and 25 cubic foot per section pump stations.

### **Braithwaite, Belair, Sunrise & Gainard Woods Pump Stations *Plaquemines Parish, Louisiana***

Mr. Bourg was responsible for the management and coordination of the complete replacement of 4 Plaquemines Parish Pump Stations. Mr. Bourg worked closely with the Plaquemines Parish's drainage department in setting design parameters, pump types, pump station configuration and layout. The consisted of replacement of existing pump stations and suction basins, including dredging of existing drainage canals, hydraulic redesign with the basins, as well as proper coordination of temporary pumping capacities were all involved in this project to ensure Plaquemines Parish maintained available pumping capacity for its residents during the construction phase.

### **Dwyer Road Pump Station – 1050 CFS Pump Station (3 – 350 CFS vertical pumps) *New Orleans, Louisiana***

Mr. Bourg was responsible for analysis and design of concrete mat pile foundation, concrete structure, steel and concrete rigid frames and steel discharge tubes. He we also responsible for concrete and steel detailing. Provided construction management for the pump station.

### **Pump Station #3 Elmwood Pump Station - 2400 CFS Pump Station (2- 1200 CFS horizontal pumps) *Jefferson Parish, LA***

Mr. Bourg was responsible for analysis and design of concrete mat pile foundation, concrete structure, concrete rigid frames, concrete discharge tubes, I-walls and inverted T-walls. He we also responsible for concrete and steel detailing. Provided construction management for the pump station.

### **Pump Station #3 – Whitney & Barataria – 3600 CFS Pump Station (3 – 1200 CFS horizontal pumps) *Jefferson Parish, LA***

Mr. Bourg was responsible for analysis and design of concrete mat pile foundation, concrete structure, steel rigid frames, concrete discharge tubes, I-walls and inverted T-walls. He we also responsible for concrete and steel detailing. Provided construction management for the pump station.

### **Pump Station No. 6 *New Orleans, Louisiana***

Mr. Bourg was responsible for analysis and design of 18 concrete sluice gate monoliths and pile foundation for fronting protection at Pump Station No. 6. The fronting protection consisted of eighteen sluice gates (nominally 12' x 12') installed at the discharge end of the 9 existing tunnels. He we also responsible for detailing the new concrete sluice gate monoliths, existing discharge tube modifications and existing I-wall modifications/tie-ins. Also, responsible for civil site modifications at Pump Station No. 6.

### **Cyprian Pump Station *Lafourche Parish, Louisiana***

Mr. Bourg Provided design and structural assessment for the emergency repair of the pump station pump deck and platform. The Pump station repair was designed to utilize the pump station during construction for emergency usage.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Michael Slovensky, P.E. Civil Engineer
<b>Project Assignment:</b>
Project Engineer
<b>Name of Firm with which associated:</b>
All South Consulting Engineers, LLC 
<b>Years' experience with this Firm:</b>
12
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science, Civil Engineering, 2007
<b>Active registration: Year first registered/discipline:</b>
2015, Civil, Louisiana License No. 40354
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Michael B. Slovensky is a graduate of McNeese State University with a BS in civil engineering. He has over 10 years' experience in structural design of concrete, steel and timber structures with a concentration in design of coastal structures and foundations. He began designing in Cameron Parish Louisiana for facility reconstruction resulting from Hurricanes Rita and Ike. He has designed many different types of concrete structures: storage tank ring wall foundations, fishing piers, boat launches, retaining wall systems, parish bridges, and several cast in place elevated concrete structures.</p> <p><b>Westgate Subdivision Drainage Improvements</b> <i>Jefferson Parish, Louisiana</i>  This project included the installation of 2 drainage pumping stations along W. Napoleon Blvd., 2 Sea Can containers on an elevated steel pipe platform pipe pile supported, housing a 1000 gallon diesel fuel tank, a 500 KVA generator, pump controls SCADA controls, electrical panels with ATS to supply power to 3 drainage pumping stations, with installation of RCP Sub Surface Drainage piping, checkmate valves, and replacement of PCC Streets (Approximately 6 Blocks), curbs, sidewalks and ADA curb ramps. Mr. Slovensky's duties included development of detailed design plans and specifications, development of the construction cost estimate for budgeting, and project management during construction.</p> <p><b>Alidore Levee and Pump Station improvements</b> <i>Lafourche Parish, Louisiana</i>  This project initially consisted of the design for a 3 drainage pump platform, access walkway, diesel fuel tank foundation, site fencing and improvements. Mr. Slovensky's responsibilities included: Evaluation of geotechnical information and structural design of the 3 drainage pump platform, access walkway, abandonment of existing discharge lines, install of</p>



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new discharge piping within a railroad right of way. and trash screen assemblies. The project has had multiple redesigns, with current redesign focusing on reduction in size to accommodate 2 drainage pumps with single space for a temporary pump. Following completion of final design, Mr. Slovensky will be responsible for all construction administration, to include review of all product submittals, conducting progress meetings, processing all invoices, change orders, and development of closeout documentation and final as built drawings.

### **Homeplace Pumping Station Hurricane Ida Repairs** *Lafourche Parish, Louisiana*

This project is a FEMA Disaster Recovery Project, which required an initial assessment of damages with development of a repair cost estimate, and development of mitigation proposals to outline required cost for structure upgrades to stiffen the structure for future storm events. The project included design of the replacement structure and development of plans and specifications for public bid. Mr. Slovensky's responsibilities consist of assessment of damages, development of repair cost, working with FEMA to get mitigation approved, design of the new structure, handling the public bidding process and providing construction administration. He is currently working with the Owner to secure FEMA funding.

### **Scarsdale Pump Station Permanent Repairs** *Plaquemines Parish, Louisiana*

Mr. Slovensky manages the FEMA process for rebuilding of the Scarsdale drainage pump station. This project involves several Hazard Mitigation items: elevation of diesel engines and critical components; strengthening bar screen assemblies against debris loading; secondary onsite energy source; and scour protection with concrete mating.

### **Gonzales Civic Center Flood Wall and pump systems** *Ascension Parish, Louisiana*

Mr. Slovensky was responsible for accessing storm damages to the Gonzales Civic Center, caused by the August 2016 flooding in Louisiana, with development of the FEMA disaster recovery project worksheet, including detailed flood mitigation proposals. His responsibilities first consisted of the development of a detailed RS Means damage estimate with support documentation to justify initial flood damages. After determining total damage estimate Mr. Slovensky developed a flood mitigation proposal, complete with preliminary design details, to utilize and existing 6' CMU courtyard wall that encompassed a portion the facility as a floodwall to reduce potential flooding of the structure. The design required the existing wall to be strengthened and lengthened with added height as the base flood wall. The design also required the installation of stop log gates at all entrance and access doors, and the installation of additional, removable/storable pre-engineered flood wall sections that were utilized at the elevated main entrance stairs compete with the installation of eleven (11) pumps at seepage basins equally spaced about the wall to capture and remove seepage waters, and backup power generation mounted above the BFE on a steel support structure. The flood mitigation proposal was determined by FEMA to be justified and cost reasonable and was therefore approved by FEMA.

### **West Esplanade Avenue at Canal 10 Drainage Improvements** *Jefferson Parish, Louisiana*

This project consisted of the removal/replacement of culvert system under West Esplanade Ave; site dewatering; removal/replacement of PCC Pavement; removal/replacement of subsurface drainage systems; and rerouting of public utilities. Mr. Slovensky's duties include development of detailed design plans and specifications; development of the construction cost estimate; project management and construction administration during construction, including conducting construction meetings; review of submittals; processing of pay applications and change orders; inspection of construction for compliance and close-out; inspection for substantial completion; and review of close-out documentation for final acceptance.

### **Canal "A" Drainage Improvements** *New Sarpy, St. Charles Parish, Louisiana*

This project consisted of the design of multiple Cantilevered Steel Sheet Pile Wall Systems to line a section of drainage canal, with removal of an existing 96" arch culvert and replacement with two 6' x 10' cast-in-place box culverts, to improve drainage flow and prevent flooding. The project is estimated to cost \$4.6 million dollars which, included over 1800 LF of Cantilevered SSP, approximately 120 LF of a curved box culvert utilizing approximately 450 CY Of Class A concrete, with 3 concrete flumed entrances and included removal and replacement of approximately 350 SY of PCC roadway and curbing. Mr. Slovensky's responsibilities include: design coordination between professions, review of geotechnical soil data, structural design of cantilevered SSP Systems with design of the concrete box and flume Sections. He fully developed all bid plans and specs, complete with a detailed cost estimate and will handle the public bidding of the project and shall be responsible for all construction admin and project closeout.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Emily Newell, P.E. Civil Engineer
<b>Project Assignment:</b>
Project Engineer
<b>Name of Firm with which associated:</b>
All South Consulting Engineers, LLC 
<b>Years' experience with this Firm:</b>
2
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science, Civil and Environmental Engineering, 2012
<b>Active registration: Year first registered/discipline:</b>
2015, Civil, Louisiana License No. 43646
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Ms. Newell has been providing consulting engineering services for clients in Southeast Louisiana since 2007. Throughout her career, Ms. Newell has gained a broad range of experience in a variety of fields including land development; hydraulics; hydraulic modeling; wastewater collection and treatment; lift stations; water distribution systems; roadways; drainage collection systems; pumping stations; bulkheads; marsh creation; permitting; environmental assessments; construction administration; forensic engineering; grant assistance and other general engineering services.</p> <p>Since joining All South Consulting Engineers, Ms. Newell has been tasked with managing over \$16M in infrastructure improvements for clients in Lafourche and Jefferson Parishes. Ms. Newell understands the importance of being readily available and responsive to clients, permitting agencies, team members and other involved personnel and strives to answer calls and return messages promptly.</p> <p><b>Russell Street Pumping Station Drainage Improvements</b> <i>Jefferson Parish, Louisiana</i>  The Tudor and Tallulah Ave. neighborhoods in Jefferson Parish have been subject to flooding during wet weather events. To alleviate this flooding, a new 200 CFS drainage pump station is planned for construction. Improvements will include new influent piping with bore under railroad, three new electric pumps and 1,400 LF of large diameter discharge piping. Ms. Newell is project manager for this work and has been tasked with development of construction plans, specifications, and cost estimates; and with coordinating with permitting agencies for project permits (CN Railroad, LADOTD); and with project coordination for surveying, mechanical and electrical services; Ms. Newell is also expected to provide bid phase and construction phase services for this work.</p>

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### **Lake Trail Drive/Vintage Ave. Drainage Pumping Station *Kenner, Louisiana***

The Vintage Ave. Drainage Pump Station is a 100 CFS drainage pumping station in Kenner, Louisiana. The station is comprised of two mixed flow pumps on an elevated pile supported structure located within the Vintage Canal. A 48" concrete drain feeds the line from nearby residential areas. Ms. Newell assisted in design of this station including civil site plans, grading plans, pump station plans and details. Ms. Newell also assisted with pump selection and preparation of cost estimates. The project was successfully bid in 2016 for \$843K and was successfully constructed in 2017.

### **Mulberry St. Drain Line, *Amite, LA***

This project included site assessment and addition of new subsurface drainage and ancillary drainage structures to accommodate future development in Amite, Louisiana. Ms. Newell was responsible for topographic field services (field work and in-office). Ms. Newell inspected the sites, obtained lot grades, topographic features and subsurface utilities. Hydraulic assessment was the undertook by Ms. Newell using LADOTD criteria. Improvements were then developed and designed by Ms. Newell including construction plans and cost estimates. The project was constructed in 2017.

### **Metairie Road Drainage Improvements *Jefferson Parish, Louisiana***

Metairie Road (LA 611-9) is a critical urban highway in the Metro New Orleans area which provides essential transportation to and from New Orleans and Jefferson Parish and allows access to major thoroughfares including Interstate 10, Causeway Boulevard, and Airline Highway. Metairie Road serves many commercial and residential developments in Jefferson Parish and maintains historic and economic significance to the region. Due to the local topography and grading patterns, Metairie Road floods frequently in several areas during moderate to heavy rainfall. These flooding events cause limited access to this important highway and disrupt traffic flow along the route. To address flooding on Metairie Road, Jefferson Parish authorized a hydraulic and hydrologic assessment for the roadway to improve drainage of this critical facility. Ms. Newell assisted in assessing existing drainage patterns using GIS and LIDAR data and reviewed hydraulic models developed in SWMM 5.1 by others. Ms. Newell also facilitated development of alternatives for drainage improvements including subsurface drainage, new pumping stations and raising the roadway and provided cost estimates for these alternatives. Conceptual plans for a green linear park were also drafted by Ms. Newell using SketchUp. The construction cost of recommended improvements, which includes raising portions of Metairie Road and improving subsurface drainage, is \$36M. Design phase services have begun on some of components of the proposed project.

### **Duncan Canal Box Culvert Assessment *Kenner, Louisiana***


The City of Kenner planned to replace an old, pile supported bridge over the Duncan Canal at West Esplanade Ave. with large concrete box culverts. The existing Duncan Canal is a major Canal serving as the primary outfall to Lake Pontchartrain for Kenner and Jefferson Parish residents. Additionally, Canal No. 2, another primary canal serving the residents of Jefferson Parish, ties into the Duncan Canal at the proposed project location. This would necessitate a tee-type box culvert structure for the replacement. The City of Kenner requested losses through the new system be kept at or below the existing system to reduce the risk of adverse consequences upstream. Ms. Newell undertook assessment of existing conditions using HEC-RAS modeling. She then developed a model using Excel and HEC-RAS to assess new conditions and provide recommendations. Findings and cost estimates were documented in a report. The \$12M project began construction in 2018 and was concluded in 2022.

### **Assessment of the Canal Street Canal *Jefferson Parish, Louisiana***

The Canal St. Canal includes about 3,100 linear feet of formerly open channel canal which into the 17th Street Canal in Jefferson Parish, Louisiana. Numerous side streets discharge directly to the Canal St. Canal. As part of ongoing beautification efforts, the Parish wanted to enclose the canal to provide pedestrian walkways and a biking path in the neutral ground. Ms. Newell was tasked with providing hydraulic assessment to estimate inflow and size the new culvert. Runoff computations were undertaken by Ms. Newell for approximately 150 acres of contributing area. Ms. Newell then used Parish GIS data of the existing collection system to estimate discharge at each outfall. Hydraulic profiles of existing conditions were then developed by Ms. Newell using HEC-RAS and existing pump station specifications. Proposed improvements were then developed and assessed with findings documented in a report. The beautification project was completed in 2018 and has since been used as a primary route for pedestrians and cyclist in neighboring residences.



## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>  Jarret Bauer, P.E. <i>Civil Engineer</i>
<b>Project Assignment:</b>  Project Engineer
<b>Name of Firm with which associated:</b> All South Consulting Engineers, LLC 
<b>Years' experience with this Firm:</b>  17
<b>Education: Degree(s)/Year/Specialization:</b> Master of Science, Ongoing, Coastal and Ecological Engineering Bachelor of Science, 2007, Civil Engineering Bachelor of Science, 2005, Business Management
<b>Active registration: Year first registered/discipline:</b>  2011, Civil, Louisiana License No. 36720
<b>Other experience and qualifications relevant to the proposed Project:</b>  <p>Jarret Bauer is a graduate of Louisiana State University, achieving a B.S. in Civil Engineering in 2007 and a B.A. in Business Administration from Loyola University in May 2005. Mr. Bauer has a distinguished career that spans over sixteen years infrastructure design, construction administration, and project management experience. A majority of his experience has been hands-on management of large-scale construction projects for government municipalities along with a vast experience in disaster management assistance. His current expertise includes hazard mitigation projects involving hydraulic modeling using the latest software, Benefit-Cost Analysis using FEMA approved methodologies and tools to demonstrate the cost effectiveness of projects. His current and previous projects include the following:</p> <p><b>Alidore Drainage Improvements and Statewide Flood Application</b> <i>Lafourche Parish, Louisiana</i>          As part of the LaDOTD Statewide Flood Control Improvement, Mr. Bauer performed hydraulic &amp; hydrologic modeling and calculations to design flood protection for an existing neighborhood with inadequate pumping capacity. He performed site evaluations, including field data collection and integration with the Owner to create a system model using HEC-HMS 3.4 and HEC-RAS 4.1.0 under pumped flow conditions. The model successfully predicted a pumping configuration to maintain proper drainage elevations within proposed ditch improvements. He successfully sized the system for new pumping capacities and neighborhood drainage improvements, including improved ditch cross-sections, realignment of existing levee sections, and new pump and piping configurations to support the existing system. His efforts also included wetland permitting and collaboration for right-of-way clearances.</p> <p><b>Plaquemines Parish Pump Station Repairs &amp; Replacements</b> <i>Plaquemines Parish, LA</i></p>

## **TEC Professional Services Questionnaire**

Mr. Bauer performed Owner's representation, as well as design and construction oversight for the repair of 13 drainage pump station by the USACE and the demolition and replacement of 4 drainage pump stations by FEMA with a total cost over \$40 million. Mr. Bauer provided initial damage assessments and performed intensive coordination meeting with the USACE and FEMA to ensure all damages were captured by 3rd party design professionals. He provided Owner's representation throughout design and construction, and was responsible for oversight of resident inspection services and coordination with design professionals during construction.

### **Westside Boulevard and Alma Street Drainage *Terrebonne Parish, Louisiana***

Mr. Bauer provided H&H modeling services for the Alma Street intersection with Westside Boulevard which has historically suffered from poor drainage, with repeated damage to commercial and residential structures in the area during heavy rains. Using survey data and data on the existing culverts and sub-surface drainage in the area, Mr. Bauer developed an H&H model of the area to analyze the impacts of a 10-year storm event and a 25-year storm event. All South used the HEC-HMS and HEC-RAS modeling software in sequence to calculate overland flow, and to eventually size the drainage pipes. These models were used to develop a plan to increase the pipe sizes in the drainage system.

### **Lirette St. Drainage Improvements *Houma, Louisiana***

Mr. Bauer successfully modeled multiple drainage networks consisting of multiple culverts, catch basins, and a drainage pump station using PCSMM modeling software to alleviate flooding and drainage concerns within a local subdivision during heavy rains.

### **Bayou Vista Drainage Modeling *Lafourche Parish, Louisiana***

Mr. Bauer provided H&H modeling services for the Bayou Vista neighborhood in Lafourche Parish, Louisiana which experienced severe and repetitive flooding issues due to variations in the size of the drainage ditches and the driveway culverts within the neighborhood. Mr. Bauer performed full site evaluations, including field data collection work to support the development of an H&H model for the area. All South provided recommendations for improvements including: a new pump station and reservoir at the back of the subdivision, a small containment berm to isolate the lower portions of the subdivision from the neighboring agricultural fields, significant improvements to the drainage ditches on either side of the roadway and replacing over 20 driveway culverts that cross these roadside ditches.


### **Silverleaf Drainage Statewide Flood Application *Gonzales, Louisiana***

As part of the LADOTD Statewide Flood Control Improvement initiative, Mr. Bauer performed hydraulic and hydrologic modeling and calculations for an existing neighborhood with inadequate pumping capacity. Mr. Bauer performed full site evaluations, including field data collection and integration with the project Owner to create a system model using HEC-HMS and HEC-RAS to model existing and proposed improved conditions to the area. The Silverleaf Flood Control Project includes improvements to the existing outfall ditches, earthen berms, earthen ditch blocks, and a new drainage pump station. Improvements to the outfall ditches will be needed to help more efficiently convey the water to the pump station quicker. Earthen berms and ditch blocks will be constructed to isolate the forced drainage areas from surrounding areas and prevent a proposed pump station from pulling in water from outside our project area.

### **Sorrento Statewide Flood Control *Town of Sorrento, Louisiana***

As part of the LADOTD Statewide Flood Control Improvement initiative, Mr. Bauer performed hydraulic and hydrologic modeling and calculations for the Town of Sorrento drainage basin, including the effects of an existing pump station on the far eastern end of the Town, to illustrate the effects of widening and cleaning ditches. Mr. Bauer used HEC-HMS and HEC-RAS modeling software and downstream tailwater conditions to model multiple storms, including a 10-yr and 25-yr storm. All South provided all design and modeling services, including select surveying services to provide the requisite grant application information. The application was approved through 2 rounds of submittals, but the project has not proceeded into construction at this time.

## **TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Jack Hingle, P.E. <i>Senior Civil Engineer</i>
<b>Project Assignment:</b>
Senior Engineer
<b>Name of Firm with which associated:</b>
All South Consulting Engineers, LLC 
<b>Years' experience with this Firm:</b>
10
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science, Civil Engineering, 1979, Louisiana State University
<b>Active registration: Year first registered/discipline:</b>
1987/ Civil PE Louisiana License No. 22622
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Jack Hingle, P.E. joined All South Consulting Engineers in 2014. He has a distinguished career that spans over 40 years of infrastructure design, construction administration, and project management experience on a variety of projects. A majority of his experience has been hands-on management of large-scale projects for government municipalities including hydraulic and hydrologic modeling, wastewater collection and treatment, lift stations, water distribution systems, roadways, public utilities, drainage collection systems, pumping stations, levees, floodwalls, bulkheads, marsh creation, and other general engineering services. Mr. Hingle works closely with fellow engineers, project managers, CADD staff, contractors, inspectors, and residents to ensure all successful and timely completion of projects. His experience includes the following.</p> <p><b>Alidore Pump Station Drainage Improvements</b> <i>Lafourche Parish, Louisiana</i> As part of the LADOTD Statewide Flood Control Improvement initiative, Mr. Hingle interpreted/verified hydraulic and hydrologic modeling data and calculations for an existing residential neighborhood with inadequate pumping capacity. Mr. Hingle designed the new pumping station and site work infrastructure, including improved ditch cross-sections, platform and piping configurations, steel sheeting for sump area, rip rap and all utility adjustments to support the new system for 183 CFS capacity. Final design included 3, 36" vertical lift pumps with discharge piping between BNSF Railroad crossings via jack and bore operations for 3-42" x 82' steel casings and 36" steel discharge pipes to outfall into the marsh. He developed and coordinated</p> <p><b>Westside Blvd./Alma St. Drainage Improvements</b> <i>Terrebonne Parish, Louisiana</i></p>



## **TEC Professional Services Questionnaire**

Mr. Hingle investigated and interpreted survey data to determine resolution for conflicts involved with drainage improvements project for Terrebonne Parish between proposed drainage structures with any existing municipal utilities (water and sewer) as well private (gas) and develop plan with profile drawings to convey the resolution via either conflict structures, offsets etc. all coordinated with the Terrebonne water and sewer department engineers. He developed final engineering plans and specifications for eventual bid/construction; coordination all with CAD staff.

### **Erlanger Bike Path & Enhancements (Vintage Drive to Lake) *Jefferson Parish, Louisiana***

Mr. Hingle performed the design, layout and development of engineering plans and project specifications for new bike/pedestrian 12' wide shared concrete path within Entergy right of way/park grass area adjacent to Erlanger Road in residential area of Kenner between Vintage Blvd. and the lake levee. Mr. Hingle coordinated topographical survey data in developing necessary plan sheets with path profile, new drainage structures and typical sections along with all details, quantities, cross sections and specifications for all in accordance with ASSHTO standards and coordination with landscape architect for new landscape (trees) and lighting enhancements, program manager and other consultant for an adjoining future path, for eventual bid/construction as per City of Kenner DPW, LADOTD and JP Levee Board criteria and coordination with Entergy or any other applicable utility agencies. Directed and supervised CAD and clerical staff throughout preparation for the same.

### **South Kenner Avenue Rehabilitation (Between Live Oak Blvd. and Chenevert Rd.) *Jefferson Parish, Louisiana***

Mr. Hingle is Lead Design Engineer responsible for design and engineering plan preparation for Jefferson Parish Dept. of Public Works. His duties include interpreting survey data and developing all typical sections, plan sheets with improved roadway & profile and proposed drainage structures, cross sections, quantities, details, cost estimate and eventually specifications necessary to bid/construct the rehabilitation of an existing asphalt roadway through a partial rural and developed residential area with existing side ditch drainage, into a wider and improved roadway section by asphalt overlay with new sidewalks and subsurface drainage within existing parish right of way and as per Jefferson Parish criteria and all necessary coordination with associated utility agencies. In addition, Mr. Hingle also directs and supervises CAD staff.

### **Lake Trail Dr. Drainage Improvements (W. Esplanade Ave. to Bruin Dr.) *Jefferson Parish, Louisiana***

Mr. Hingle's duties on the Lake Trail project consisted of interpreting a preliminary drainage analysis on the existing drainage system from Bruin Drive to the Canal 3 outfall. Implementing the designed drainage system, while also improving the sidewalks, driveways and street profile for better drainage, he developed a set of project plans, project traffic control plans, specifications, cost estimate and coordination with all involved utility agencies to final plans. The project is currently on hold by the Parish.


### **Upper Kraak Ditch Subsurface Drainage Improvements *Jefferson Parish, Louisiana***

Mr. Hingle was in responsible charge of developing the design plans, hydraulic analysis and specifications to implement specified improvements to existing drainage outfall culverts (60") from the Kaye St. pump station to Airline Drive within the Upper Kraak Drainage outfall servitude. Mr. Hingle coordinated the design, plans, specifications, cost estimate, construction administration and field operations for all along with our inspector staff to successful completion of the project closeout resulting in much greater and efficient flow and to extreme satisfaction of the Jefferson Parish agencies officials.

### **DPW Capital Improvements Program – Lake Vista Group D Infrastructure Repairs *New Orleans, Louisiana***

The project scope involves the rehabilitation of city streets and park walkways through an upscale, residential neighborhood. The scope also includes the total reconstruction/retrofit of the concrete roadways and sidewalks within the 50' Right of Way. Mr. Hingle's duties include directing All South survey crews through topographical survey updates, coordinating with CAD staff and E.I. associate on the development and implementation of plans along with typical sections, plan profile sheets, geometrics, drainage and utilities design, graphical grades/joint layout, and specifications. This work is in accordance with NODPW and Sewerage & Water Board standards. Mr. Hingle also worked with and directed sub engineering consultants through the completion and bid phase. The project is currently under design and is set to be completed by the end year for public bid. Following the design phase, Mr. Hingle will oversee the construction administration.

## TEC Professional Services Questionnaire

<b>PROFESSIONAL IN CHARGE OF PROJECT:</b>
<b>Name &amp; Title:</b>  Scott Wetzel, P.E. <i>Civil Engineer</i>
<b>Project Assignment:</b>  Project Engineer
<b>Name of Firm with which associated:</b> All South Consulting Engineers, LLC 
<b>Years' experience with this Firm:</b>  5
<b>Education: Degree(s)/Year/Specialization:</b>  Bachelor of Science, Civil Engineering, 2019
<b>Active registration: Year first registered/discipline:</b>  2022, Civil Engineer, Louisiana License No. 48298
<b>Other experience and qualifications relevant to the proposed Project:</b>  <p>Scott Wetzel joined All South in July of 2019 after graduating from LSU in May of 2019. He recently received his license as an Engineering Intern. During his time with All South, Mr. Wetzel has assisted different Engineers with a variety of projects performing various tasks. He has assisted in roadway and drainage projects providing help with design and construction administration for multiple Slidell FEMA projects. Mr. Wetzel has worked closely with contractors, inspectors, and residents to ensure all complaints and issues are addressed. His experience includes the following:</p> <p><b>Russel St. Drainage Pump Station: Jefferson Parish</b>          This project consists of improvements to alleviate flooding in the Tudor and Tallulah Ave. neighborhoods in Jefferson Parish. Improvements planned include a new 200 cfs drainage pump station, new influent piping with bore under railroad, and three new electric pumps and 1,400 LF of large diameter discharge piping. Mr. Wetzel has assisted in developing project plans, specifications, and costs estimates; as well as assisting with coordination for surveying and project coordination. Mr. Wetzel is also expected to assist with bid phase and construction administration services for this project.</p> <p><b>DPW Capital Improvements Program – Lake Vista Infrastructure Repairs New Orleans, Louisiana</b>          This project consists of roadway, drainage, sewer, and water restoration throughout a neighborhood in New Orleans. Mr. Wetzel will be heavily involved in the design of these full reconstruction streets, providing analysis using the HydroWin program, cost estimating, and developing the plans and specifications. He will also be performing the Construction Administration after the project goes under construction.</p>

## **TEC Professional Services Questionnaire**

### **DPW Capital Improvements Program – Lakeview Infrastructure Repairs *New Orleans, Louisiana***

This project consists of roadway, drainage, sewer, and water restoration throughout a neighborhood in New Orleans. Mr. Wetzel will be heavily involved in the design of these full reconstruction streets, providing analysis using the HydroWin program, cost estimating, and developing the plans and specifications. He will also be performing the Construction Administration after the project goes under construction.

### **DPW Capital Improvements Program – Pines Village Infrastructure Repairs *New Orleans, Louisiana***

This project consists of roadway, drainage, sewer, and water restoration throughout a neighborhood in New Orleans East. Mr. Wetzel has been heavily involved in the Construction Administration for this project, assisting in day-to-day design and management. His tasks include developing survey proposals, checking grades to ensure proper drainage, tracking added and deleted scope, developing field and plan changes, running progress meetings, resolving construction delays and issues in the field, tracking quantities and processing invoices, tracking the progress of construction costs, cost estimating for value engineering of existing construction changes and field issues, managing resident inspectors, and working closely with the Contractor and City.

### **Schneider Canal Drainage Basin *Slidell, Louisiana***

This project consists of roadway, sewer, and drainage repairs in Slidell. Mr. Wetzel has assisted with the day to day design and management of the concrete and asphalt roadway repairs, as well as the sewer and drainage lining and installation being performed in this area. Tasks included analyzing daily reports from resident inspectors, checking and processing invoices, cost estimating for the purposes of value engineering of existing construction changes and field issues, developing change orders, reviewing plans, resolving issues with construction delays and errors, and attending progress meetings and site visits.

### **W-14 Basin *Slidell, Louisiana***

This project consists of roadway, sewer, and drainage repairs in an area of the city of Slidell, LA. Mr. Wetzel has assisted with the day to day design and management of the concrete and asphalt roadway repairs, as well as the sewer and drainage lining and installation being performed in this area. Some tasks included analyzing daily reports from resident inspectors, checking and processing invoices, tracking the progress of construction costs, cost estimating for the purposes of value engineering of existing construction changes and field issues, developing change orders, reviewing plans, resolving issues with construction delays and errors, and attending progress meetings and site visits.

## **TEC Professional Services Questionnaire**

<b>PROFESSIONAL IN CHARGE OF PROJECT:</b>
<b>Name &amp; Title:</b>
<b>John Teegarden, P.L.S.</b> <i>Vice President/ Survey Division Manager</i>
<b>Project Assignment:</b>
Senior Professional Land Surveyor/ Survey Project Manager
<b>Name of Firm with which associated:</b>
All South Consulting Engineers, LLC 
<b>Years' experience with this Firm:</b>
10
<b>Education: Degree(s)/Year/Specialization:</b>
International Correspondence School, Surveying and Mapping Course (2-year course completed)
<b>Active registration: Year first registered/discipline:</b>
1990/ Professional Land Surveyor/ Louisiana License No. 4635 1999/ Professional Land Surveyor/ Mississippi License No. 2782
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>John S. Teegarden, PLS joined All South Consulting Engineers, LLC in 2014 as Vice President and Survey Division Manager. Mr. Teegarden has extensive experience in all aspects of land surveying including boundary, elevation, topographic, hydrographic, industrial, and construction projects. Over his 38-year career, he has participated in or directed surveys for a wide variety of clientele including local municipal and governmental agencies, state agencies, and federal agencies (including the U.S. Army Corps of Engineers). In his career, he has served as a Field Party Chief, Field Supervisor, CAD Technician, Project Manager, and Division Manager.</p> <p>Mr. Teegarden's varied project experience includes high precision survey control, single and multibeam hydrographic surveys, large boundary surveys, surveys for public right-of-way taking, topographic route surveys, mapping of subsurface utilities based on the markings provided by a subsurface utility engineering firm, coastal restoration projects, laser scanning surveys and GPS project surveys, to name just a few. This experience includes over 20 years' experience in directing and performing hydrographic surveys. He has executed and/or supervised numerous hydrographic surveying projects throughout Coastal Louisiana.</p> <p><b>Lake Cataouatche Pump Station Topographic Survey Jefferson Parish, Louisiana</b>  Mr. Teegarden and his team prepared a topographic survey at the site of the current Lake Cataouatche pump station located on Churchill Farms. The survey area adjacent to the existing pump station will be the site for a new pump station under design. The survey included cross sections of the site and the adjacent canal along with the location of improvements in the project area.</p>



## **TEC Professional Services Questionnaire**

### **Des Allemands Pump Station** *Lafourche Parish, Louisiana*

Mr. Teegarden and his crew provided survey services to replace the pump station for the Des Allemands community.

### **Alidore Drainage Study and Improvements** *Lafourche Parish, Louisiana*

For this project, Mr. Teegarden obtained Topographic survey elevation data on culverts with pipe sizes and conditions, cross sections of ditches and canals for drainage study and design of a new pump station. Mr. Teegarden's role in this project included planning the survey, running GPS control, processing GPS and robotic total station files for import into AutoCAD Civil 3D. Party chief, ±71 Ac.

### **Canal No. 10 Underground Utility Locations** *Jefferson Parish, Louisiana*

Mr. Teegarden provided topographic survey services for the West Esplanade at Canal 10 Drainage Improvements project. His responsibilities included a topographic survey of canal crossing, location of underground utilities located by subsurface utility engineering contractor and added to an existing topographic survey.

### **Jean Lafitte Parkway Drainage** *Chalmette, Louisiana*

Mr. Teegarden provided a topographic and boundary survey of Jean Lafitte Parkway from Judge Perez Drive to the Forty Arpent Canal for the design of much needed drainage improvements.

### **Tudor and Tallulah Drainage Analysis** *River Ridge, Jefferson Parish, Louisiana*

Mr. Teegarden provided topographic survey services and collected field data for the Tudor and Tallulah drainage project. This work included picking up horizontal and vertical data in the drainage area, including locating the multiple subsurface utilities that could affect the project

### **Loumor Outfall Ditch Topographic Survey** *Jefferson Parish, Louisiana*

Mr. Teegarden and the All South survey staff provided a topographic survey of the route that follows the 78" X 122" RCAP along the western edge of Metairie Country Club Golf course, then southeasterly and finally south to Geisenheimer Canal just north of Airline Highway. Improvements along that route were located along with trees, with size and species and topographic features on the golf course, that included ties, sand traps and the raised greens that fell in the route.

### **Taxiway Golf Drainage** *Houma Terrebonne Airport Commission, Houma, Louisiana*

Mr. Teegarden provided topographic survey services for the Taxiway Golf drainage improvement project. This project includes about 4,700' of subsurface drainage along the taxiway. The job also included catch basins, grading, and other features. He supervised the field crew, including the location of many utility conflicts in the project area. Mr. Teegarden also processed the field data for use in project design.

### **Geisenheimer Canal Topographic Survey** *Jefferson Parish, Louisiana*

Mr. Teegarden led our survey teams in the preparation of a topographic survey that included the location of the Geisenheimer Canal Box Canal and the adjoining surface features from the north curb line of Airline Highway into the fairway of Metairie Country Club adjacent to Airline Highway.

### **Woodvine Ditch Topographic Survey** *Jefferson Parish, Louisiana*

Mr. Teegarden is providing a topographic survey over the existing 54" RCP drain line followed the line from Nassau Drive south across the Metairie Country Club Golf course to its tie in point at Geisenheimer Canal. Improvements along that route were located along with trees, with size and species and topographic features on the golf course, that included ties, sand traps and the raised greens that fell in the route.


### **Old Arabi Drainage Improvements** *St. Bernard Parish, Louisiana*

Mr. Teegarden performed full topographic services to assist with the design of new drainage for a portion of Old Arabi. This included data collection, data processing, data management, research, CAD, and project budget oversight. This included managing field crews during the data collection process ensuring that everything within the project scope was captured during the fieldwork.

### **Westside-Alma Drainage Project** *Terrebonne Parish, Louisiana*

Mr. Teegarden performed full topographic services for the purpose of improving the drainage along Westside Blvd from Main St. to Alma St. This included data collection, data processing, data management, CAD, and project budget oversight.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>  <b>Taylor Casteigne, PLS</b> Professional Land Surveyor, Survey Supervisor
<b>Project Assignment:</b>  Professional Land Surveyor
<b>Name of Firm with which associated:</b> All South Consulting Engineers, LLC 
<b>Years' experience with this Firm:</b>  4
<b>Education: Degree(s)/Year/Specialization:</b>  Bachelor of Science / 2019 / Geomatics
<b>Active registration: Year first registered/discipline:</b>  2022/ Professional Land Surveyor / Louisiana License No. 5291
<b>Other experience and qualifications relevant to the proposed Project:</b>  <p>Mr. Casteigne graduated from Nicholls State University with a B.S. in Geomatics and has served as party chief and draftsman on a variety of surveys. He is well versed in the latest surveying equipment technology to ensure fast and accurate surveys. For all projects, Mr. Casteigne performs/oversees the necessary field work for the survey, then processes the data into a field book file. He then imports the data into Auto CAD where it is used to build a TIN surface. With this surface cross sections are generated over the required areas based on the scope. Contours are then generated showing lines of constant elevation. The budgets for each project are tracked daily, thus ensuring that the surveys are completed on time and under budget. This includes placing LA One Call tickets, giving field crews the list of tasks needed to complete the project, and ensuring the projects are completed in an orderly fashion.</p> <p><b>Donaldsonville Pump Station</b> <i>Donaldsonville, Louisiana</i>  Mr. Casteigne performed all needed surveying services for the design and construction of a new pump station for the region. This included performing the necessary field work for the survey, then processing the data into a useable format. Once the data was in a useable format it is imported into Auto CAD where a boundary map could be prepared.</p> <p><b>Delambert Pump Station</b> <i>St. Bernard Parish, Louisiana</i>  Mr. Casteigne performed full topographic/boundary survey and CAD services for improvements to be made on the Delambert Pump station. This includes performing the necessary field work for the survey, then processing the data into a useable format. Once the data was in a useable format it is imported into Auto CAD where a boundary map could be prepared.</p>

## **TEC Professional Services Questionnaire**

### **Fausse Pointe Pump Station *State of Louisiana, Lake Fausse Pointe State Park***

Mr. Casteigne performed all needed surveying services for the design and construction of a new pump station for the state park. This included performing the necessary field work for the survey, then processing the data into a useable format. Once the data was in a useable format it is imported into Auto CAD where a boundary map could be prepared.

### **Jones Point Carmelite St Pump Station *Barataria, Louisiana***

Mr. Casteigne performed full CAD services in accordance with department standards for the design and construction of a new pump station. This included performing the necessary field work for the survey, then processing the data into a useable format. Once the data was in a useable format it is imported into Auto CAD where a boundary map could be prepared.

### **Lirette St Pump Station *Houma, Louisiana***

Mr. Casteigne performed full topographic survey and CAD services, for a drainage study to be completed of the entire subdivision, also for the construction and installation of a new pump station. This included performing the necessary field work for the survey, then processing the data into a useable format. Once the data was in a useable format it is imported into Auto CAD where a boundary map could be prepared.

### **Bayou Vista Subdivision Drainage Model *Thibodaux, Louisiana***

Mr. Casteigne performed full topographic survey services including retrieving existing Lidar data From the NGS website to be combined with survey data taken in the field in order to produce a drainage model for Bayou Vista Subdivision. This included performing the necessary field work for the survey, then processing the data into a useable format. Once the data was in a useable format it is imported into Auto CAD where a boundary map could be prepared.

### **Savanne Rd Drainage Improvements *Houma, Louisiana***

Mr. Casteigne performed full boundary surveying services for the acquisition of a servitude by Terrebonne Parish for drainage Improvements. This included performing the necessary field work for the survey, then processing the data into a useable format. Once the data was in a useable format it is imported into Auto CAD where a boundary map could be prepared.

### **Westside-Alma Drainage Project *Terrebonne Parish, Louisiana***

Mr. Casteigne performed full topographic services including data collection, data processing, data management, CAD, and project budget oversight. Also, performing the necessary field work for the survey, then processing the data into a field book file. This includes a site visit prior to beginning the project to develop a cost estimate and developing a packet for field crews detailing what data will be required to complete the survey. This survey was for the purpose of improving the drainage along Westside Blvd from Main St. to Alma St.


### **Old Arabi Drainage Improvements *St. Bernard Parish, Louisiana***

Mr. Casteigne performed full topographic services including data collection, data processing, data management, research, CAD, and project budget oversight. This included managing field crews during the data collection process ensuring that everything within the project scope was captured during the fieldwork. Oversight over the drafting process was another key responsibility for this project. This survey was intended to assist with the design of new drainage for a portion of Old Arabi.

### **LaFreniere Park Meadow Drainage Improvements *Jefferson Parish, Louisiana***

Mr. Casteigne performed full topographic services including data collection, data processing, data management, CAD, and project budget oversight. Also, performing the necessary field work for the survey, then processing the data into a fieldbook file. Once the data was in a fieldbook it is imported into Auto CAD, where the data is used to build a TIN surface. This work was used to analyze the existing drainage conditions of the park meadow area.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>  Scott Breidenstein CADD Technician
<b>Project Assignment:</b>  CADD Technician / Draftsman
<b>Name of Firm with which associated:</b> All South Consulting Engineers, LLC 
<b>Years' experience with this Firm:</b>  5
<b>Education: Degree(s)/Year/Specialization:</b>  Technical Diploma, 2020, L. E. Fletcher Technical Community College
<b>Active registration: Year first registered/discipline:</b>  
<b>Other experience and qualifications relevant to the proposed Project:</b> <p>Mr. Breidenstein joined the All South team in 2019. His experience includes AutoCAD C3D which he utilizes in survey and design projects that include topographic, boundary, route corridor surveys, hydrographic surveys, ALTAs, field data input, plan and profile sheets, import/export of survey points, proposed design corridors, and volume calculations. Mr. Breidenstein coordinates with field crews, drafters, engineers, and clients to generate AutoCAD C3D drawings and plan sheet sets from the beginning of a project to final stamped plans.</p> <p><b>Russell St. Pump Station River Ridge, Louisiana</b>          Mr. Breidenstein prepared proposed location of a new pump station to be installed by Ralph J. Bunche Elementary School (Russell St. Pump Station) in Jefferson Parish, Louisiana. These plans included an overall site plan, plan view and a typical section. Coordination with the project engineer to properly show the existing utilities, railroad and rights-of-way was very important in this project.</p> <p><b>Alidore Drainage Improvements Raceland, Louisiana</b>          Mr. Breidenstein prepared topographic and right-of-way drawings for the construction of a new drainage pumping station. The project involved a levee re-alignment, ditch re-grading and research into the BNSF railroad right-of-way. Site plans provided by Mr. Breidenstein were used to design better drainage for the surrounding area and proved to be more economical.</p> <p><b>Westside Boulevard and Alma Street Drainage Terrebonne Parish, Louisiana</b></p>



## **TEC Professional Services Questionnaire**

This project consists of roadside drainage improvements in an area of the city of Houma, LA. Mr. Breidenstein assisted in the topographic survey and prepared the proposed design plans for the improvements to the existing drainage system. Mr. Breidenstein modeled in detail the hydrologic components of the project area using CAD and provided profiles and cross sections that were utilized in the design process.

### **Des Allemands Improvements *Lafourche Parish, Louisiana***

Mr. Breidenstein prepared the existing topographic & Hydrographic survey as well as the proposed levee corridor. The project was approximately 600 LF. The cross sections provided a cut and fill volume report to help determine cost estimates. This project improves the elevations of an existing berm along Bayou Des Allemands. Mr. Breidenstein is the CAD Technician of this project

### **Old Arabi Drainage Improvements *St. Bernard Parish, Louisiana***

Mr. Breidenstein prepared proposed design drawings for the clearing and dredging of existing canals and the construction of drainage structures. The project involved replacing culverts, ditch re-grading, and dredge operations. Site plans provided by Mr. Breidenstein were used to design improved drainage for the surrounding area.

### **Lake Vista *New Orleans, Louisiana***

Mr. Breidenstein prepared survey baseline drawings, topographic plan sheets and profiles depicting the existing underground utilities for the streets in the Lake Vista project. These surveys depicted the elevations of the streets to show centerline and gutter line profiles, the surface created showed the many imperfections and potholing in the streets. Utility information was researched and observed to show the areas in need of repair or replacement of major drainage, sewer and water lines. Also included were right-of-way lines, apparent lot lines, 3D surface, and cross sections. Mr. Breidenstein was also involved in the design phase of this project. Coordinating with engineers and subconsultants to prepare drawings depicting the proposed new roadway, elevations, cross sections, new subsurface drainage, sewerage and water for approximately 4900' of roadway and sidewalks. This project also conformed to Orleans Parish DPW standards.

### **St. Roch *New Orleans, Louisiana***

Mr. Breidenstein prepared survey baseline drawings, topographic plan sheets and profiles depicting the existing underground utilities for the St. Roch project. These surveys depicted the elevations of the streets to show centerline, median and gutter line profiles, for both the northbound and southbound lanes. Utility information was researched and observed to show the areas in need of repair or replacement of major drainage, sewer and water lines. Also included were right-of-way lines, apparent lot lines, 3D surface, and cross sections. Mr. Breidenstein was also involved in the design phase of this project. Coordinating with engineers and consultants to prepare drawings depicting the proposed new roadway, elevations, cross sections, new subsurface drainage, sewerage and water for approximately 3959' of roadway and sidewalks. This project also conformed to Orleans Parish DPW standards.

### **Breakwater Drive Improvements *New Orleans, Louisiana***

Mr. Breidenstein prepared survey maps along Breakwater Drive, from its intersection with N. Roadway Street to its termination at the point. Baseline maps, plan, profile and cross sections were provided to show the existing berms and existing topography of the site. FEMA and CORP permit drawings were also provided in this project. Shown in the plans were horizontal and vertical location of existing berms and proposed berms. Mr. Breidenstein assisted the project engineer in creation of the new west, north, south and the point berms. Proposed berm plan and profile sheets with cross sections showing proposed work were also created by Mr. Breidenstein.

### **RR017 AND RR019 New Orleans Streets Topographic Surveys *New Orleans, Louisiana***

Mr. Breidenstein prepared survey baseline drawings, topographic plan sheets and profiles depicting the existing underground utilities for the streets in these two project submittals. These surveys depicted the elevations of the streets to show centerline and gutter line profiles, the surface created showed the many imperfections and potholing in the streets. Utility information was researched and observed to show the areas in need of repair or replacement of major drainage, sewer and water lines. Also included were right-of-way lines, apparent lot lines, 3D surface, and cross sections. This project also conformed to Orleans Parish DPW standards.

## **TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Peter Giovingo Resident Inspector
<b>Project Assignment:</b>
Resident Inspector
<b>Name of Firm with which associated:</b>
All South Consulting Engineers, LLC 
<b>Years' experience with this Firm:</b>
18
<b>Education: Degree(s)/Year/Specialization:</b>
University of Texas at Dallas, Business Management; University of New Orleans, Business Management
<b>Active registration: Year first registered/discipline:</b>
Certifications: ATSSA Traffic Control Supervisor, ATSSA Flagger
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Giovingo has been with All South since April 2006 and has been a construction inspector with All South Consulting Engineers since 2008. Mr. Giovingo inspects and documents day-to-day activities on construction sites and reports back to Construction Supervisors or Project Managers. As resident inspector, Mr. Giovingo reviews specifications and plans for assigned project to ensure project is constructed as specified and drawn, inspects and monitors all work in progress, verifies that materials on site conform to specifications and drawings, monitors truckload deliveries, monitors concrete truck deliveries, photographs pertinent activities on jobsites showing construction details, witnesses tests performed by testing agency, logs notes on daily reporting forms, attends any required project meetings on site, lists any jobsite visitors, documents all health, safety or environmental incidents, documents work stoppage or delays, reviews daily notes for accuracy, and develops lists of outstanding information required to complete projects.</p> <p><b>East St. John High School Hazard Mitigation Flood Protection and Pump Station St. John the Baptist Parish, Louisiana</b>  Mr. Giovingo was a resident inspector for the installation of new sub surface drainage system and on-site pump station, including sheet piles, catch basins, sluice gate, 3 pumps, and gas generator. Permanent Flood control systems: Construction of over 4,600 LF of earthen and sheet pile levee, new underground drainage lines establishment of a new pump station. Inspection duties included verification of survey data, contractor alignments and layout for construction, drainage invert elevations, materials testing and overall safety for construction activities. Mr. Giovingo monitored testing and preconditioning of soil and levee structures (surcharging), soil density testing in lifts, concrete base and material sampling and sheet pile wall construction. Inspection duties also included daily traffic control of 29 buses and over 2,000 students in transits daily, construction and testing of drainage structures and damaged utilities cut or</p>

## **TEC Professional Services Questionnaire**

hindered during construction. Assisted in verification of pay applications and required documentation for repairs and warranty information.

### **Alidore Pump Station Drainage Improvements *Lafourche Parish, Louisiana***

Mr. Giovingo was the primary inspector for this project which included a new pumping station and site work infrastructure, including improved ditch cross-sections, platform and piping configurations, steel sheeting for sump area, rip rap and all utility adjustments to support the new system for 183 CFS capacity. The project included 3-36" vertical lift pumps with discharge piping between BNSF Railroad crossings via jack and bore operations for 3-42" x 82' steel casings and 36" steel discharge pipes to outfall into the marsh. Mr. Giovingo reviewed plans and specifications, ensured contractor followed plans according, completed daily reports documenting tasks completed each day and take photos for log.

### **Ellington Pump Station *St. Charles Parish, Louisiana***

All South Consulting Engineers provided resident inspection services for the construction of new drainage pump station. As resident inspector, Mr. Giovingo reviews specifications and plans for assigned project to ensure project is constructed as specified and drawn, inspects and monitors all work in progress, verifies that materials on site conform to specifications and drawings, monitors truckload deliveries, monitors concrete truck deliveries, photographs pertinent activities on jobsites showing construction details, witnesses tests performed by testing agency, logs notes on daily reporting forms, attends any required project meetings on site, lists any jobsite visitors, documents all health, safety or environmental incidents, documents work stoppage or delays, reviews daily notes for accuracy, and develops lists of outstanding information required to complete projects.

### **Diamond Pump Station *Plaquemines Parish, Louisiana***

Mr. Giovingo was a resident inspector for the upgrade/ remodel of the Diamond Pump Station with the addition of a quiet room which included an office, sleeping area, restroom/shower, AC/heating, camera monitoring system, kitchenette, and gas generator.

### **Belle Chasse Pump Station 1 and 2 *Plaquemines Parish, Louisiana***

Mr. Giovingo was a resident inspector for the upgrade/ remodel of the Belle Chasse Pump Stations 1 and 2 with the addition of a quiet room which included an office, sleeping area, restroom/shower, AC/heating, camera monitoring system, kitchenette, and gas generator.

### **Hayes Pump Station *Plaquemines Parish, Louisiana***

Mr. Giovingo was a resident inspector for the upgrade/ remodel of the Hayes Pump Station with the addition of a quiet room which included an office, sleeping area, restroom/shower, AC/heating, camera monitoring system, kitchenette, and gas generator.

### **Grand De Liard Pump Station *Plaquemines Parish, Louisiana***

Mr. Giovingo was a resident inspector for the upgrade/ remodel of the Grand De Liard Pump Station with the addition of a quiet room which included an office, sleeping area, restroom/shower, AC/heating, camera monitoring system, kitchenette, and gas generator.

### **Duvic Pump Station *Plaquemines Parish, Louisiana***

Mr. Giovingo was a resident inspector for the upgrade/ remodel of the Duvic Pump Station with the addition of a quiet room which included an office, sleeping area, restroom/shower, AC/heating, camera monitoring system, kitchenette, and gas generator.

### **DPW Capital Improvements Program – Pines Village *New Orleans, Louisiana***

Mr. Giovingo provides resident inspection services for the Pines Village improvements project in New Orleans, Louisiana which includes repairs/improvements to sewer, water, and pavement. This project involves roadway pavement (asphalt, concrete, and composite), concrete sidewalks, driveways, curbs, and ADA Ramps based on storm related damages & constructability concerns.

## 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>Russell Street Pumping Station Drainage Improvements</b>  <i>Jefferson Parish, Louisiana</i></p> <p>Jefferson Parish Government  Neil Schneider, Capital Projects  1221 Elmwood Park Blvd.  Jefferson, Louisiana 70123  (504) 736-6500</p>	<p>In 2016, Jefferson Parish authorized All South Consulting Engineers to provide a hydrologic and hydraulic assessment of the Tudor and Tallulah Avenue drainage areas in Jefferson Parish, Louisiana. The purpose of the assessment was to identify potential drainage improvements to alleviate flooding in these neighborhoods.</p> <p>All South personnel conducted a survey and developed hydraulic models of these drainage areas using the EPA SWMM Program. Existing topography, culvert sizes and slopes were used to determine the adequacy of the existing system. A 10-year storm event with a rainfall of 7.8 inches in a 24-hour period was used to analyze each system. Peak flows were determined using the EPA SWMM Program. Using the same design storm and criteria, an analysis of the required drainage capacity was also performed to help identify proposed improvements for eliminating flooding.</p> <p>Numerous projects were identified to help reduce levels of street flooding during wet weather events, one of which included construction of a new drainage pump station. All South provided an assessment to evaluate site options for the new 130 CFS drainage pump station and, in 2021, was authorized to begin design as prime consultant for this work.</p> <p><i><b>The new Russell St. Drainage Pump Station is comprised of screening, three vertical drainage pumps and a 1,300 LF 54" steel discharge pipe which discharges to the Airline Canal. The project also includes improvements to influent lines; jack and bore of two 54" pipes beneath existing railroad tracks; railroad permitting and cofferdam design.</b></i> All South personnel are also assisting Jefferson Parish in acquisition of right-of-way for this work. Construction of the est. \$9.2 million project is expected to be completed in 2025.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing (03/2025 est.)	\$9,200,000	\$490,560





## TEC Professional Services Questionnaire

<b>PROJECT NO. 2</b>								
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>							
<p><b>Westgate Subdivision Subsurface Drainage Improvements</b>  <i>Jefferson Parish, Louisiana</i></p> <p>Jefferson Parish Government  Neil Schneider, Capital Projects  1221 Elmwood Park Blvd.  Jefferson, Louisiana 70123  (504) 736-6500</p>	<p>All South provided design and construction administration for subsurface drainage improvements in the Westgate Subdivision consisting of the construction of drainage pump stations and associated force main and gravity line installations.</p> <p><i><b>All South was responsible for the design of two new 30 CFS drainage pumping stations. Both Stations have pile supported foundations with concrete slabs located above concrete flume sections. Outfall pipes were installed into new concrete flume canal sections. Design of two metal building to house generator and fuel tanks were also included.</b></i></p> <p>All South also provided the design of the installation of over 2,200 ft. of 22" X 44" Reinforced Concrete Arch Pipes, relocation of existing sub surface sewerage and water pipe, design of utility conflict boxes, design of new concrete flume sections, and repairs to existing concrete roadway surfaces.</p>							
								
<p><b>Completion Date (Actual or estimated):</b></p>	<p style="text-align: center;"><b>Estimated Cost:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; text-align: center;"><b>Entire Project:</b></td> <td style="width: 50%; padding: 5px; text-align: center;"><b>Work for which Firm was Responsible:</b></td> </tr> <tr> <td style="width: 50%; padding: 5px; text-align: center;">10/2019</td> <td style="width: 50%; padding: 5px; text-align: center;"> <table> <tr> <td style="width: 50%; text-align: center;">\$4,145,345</td> <td style="width: 50%; text-align: center;">\$360,867</td> </tr> </table> </td> </tr> </table>		<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>	10/2019	<table> <tr> <td style="width: 50%; text-align: center;">\$4,145,345</td> <td style="width: 50%; text-align: center;">\$360,867</td> </tr> </table>	\$4,145,345	\$360,867
<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>							
10/2019	<table> <tr> <td style="width: 50%; text-align: center;">\$4,145,345</td> <td style="width: 50%; text-align: center;">\$360,867</td> </tr> </table>	\$4,145,345	\$360,867					
\$4,145,345	\$360,867							

## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Des Allemands Pump Station 3</b>  <i>Lafourche Parish, Louisiana</i></p> <p>North Lafourche Levee District            Arthur Ostheimer, Program/Project Manager            3862 LA-1            Raceland, LA 70394            (985) 537-2244</p> <div style="display: flex; justify-content: space-around; margin-top: 20px;">   </div>	<p>All South Consulting Engineers completed the design of a new drainage pump station for the North Lafourche Levee District (NLLD) in October of 2019 and facilitated the public bid process for the project.</p> <p>The NLLD needed to demolish and replace the existing drainage pump station because it had become antiquated after surpassing its useful service life. This pump station is the only pump station for the residents of Lafourche Parish in the Des Allemands community, and it is vital to area. NLLD has been awarded GOMESA funding for the execution of this project after careful review by CPRA.</p> <p>All South was responsible for the structural design of a new Steel Sheet Pile (SSP) wall system, analysis and design in order to stabilize the project area. In addition, we designed a cantilevered SSP wall system to protect against seepage at the location where the stations discharge pipes cross over the protection levee.</p> <p>This project included the installation of 55 LF of steel sheet pile (SSP); 820 LF of treated timber piles; pre-cast concrete deck structure, 2-20" axial flow drainage pumps with natural gas fired engines, extension of the natural gas distribution system; 270 LF of 24" steel discharge pipe; rip-rap protection at suction and discharge locations; galvanized trash screens; pre-engineered metal building pump house; new electrical components including automation controls.</p> <p><i><b>The new pump station has the capacity to pump over 8,000 PGM as well as have a draw down capacity of 1.5' lower than the existing pump station's capacity. Additional measures have been taken in anticipation of future needs of the community.</b></i></p> <div style="text-align: center; margin-top: 20px;">  </div>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
11/2020	\$903,172	\$118,885



## TEC Professional Services Questionnaire


<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Alidore Drainage Improvements and Statewide Flood Application</b>  <i>Lafourche Parish, Louisiana</i></p> <p>Lafourche Parish Government            James Branes            P.O. Box 425            Mathew, LA 70375            (985) 532-8235</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;">   </div>	<p>The Alidore Community State Flood Control Project involved:</p> <ul style="list-style-type: none"> <li>Reconstructing an existing pump station with three (3) diesel engine driven 36" vertical lift pumps</li> <li>Widening existing drainage ditches to improve conveyance of storm water to the pump station</li> <li>Excavation of a system reservoir to provide additional storage capacity of storm water during major rain events</li> <li>Levee improvements to prevent overtopping from surrounding areas</li> </ul> <p><i><b>This project was divided into two phases: Phase I Levee and Reservoir Improvements-cleaning out ditches, raising levees, and construction of the reservoir. Phase II will be to construct the new pump station.</b></i></p> <p><b>Design and Construction Administration</b></p> <p>All South prepared both a pre-application and a full application for funding of pump station, levee, and reservoir improvements for the Alidore Community in Central Lafourche Parish. The Alidore Community experienced severe rainfall flooding in 2009, and the Parish Government contracted with All South shortly thereafter to pursue state funding for flood control improvements. All South conducted surveying (topographic survey, hydrographic survey, prepared right of way plat for new pump station) and constructed a drainage model to analyze the system and develop a recommended plan for improvements.</p> <p>All South provided H&amp;H modeling and calculations for the neighborhood's existing inadequate pumping capacity. This included full site evaluations, including field data collection and integration with the project owner to create a system model using HEC-HMS 3.4 and HEC-RAS 4.1.0 under pumped flow conditions. The model predicted a pumping configuration to maintain proper drainage elevations within proposed ditch improvements. All South sized the system for new pumping capacities and neighborhood drainage improvements including: improved ditch cross-sections, realignment of existing levee sections, and new pump and piping configurations to support the existing system.</p> <p>The design includes a new pump station with 3-36" pumps, as well as reservoir improvements close to the pump station. All South assessed the existing pumps as well to determine if those pumps could be improved and provided cost estimates.</p> <p>All South completed a search of the courthouse records for all affected landowners for all proposed work including ditch cleanout, levee modification, reservoir and pump station construction. Our firm compiled a map depicting all the affected landowners and has coordinated a meeting with the Public Works Department to begin acquiring the necessary land rights for the project.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Ongoing	\$3,322,045	\$622,045

## TEC Professional Services Questionnaire


<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>East St. John High School Hazard Mitigation and Pump Station</b> Reserve, Louisiana</p> <p>St. John the Baptist Parish School Board Patrick Sanders, Board Member 118 W. 10th St. Reserve, LA 70084</p>	<p>This project was federally funded through FEMA's 406 Hazard Mitigation grant program. As a condition of future FEMA assistance, FEMA required the School Board to install a flood protection system to withstand greater than a 100-year flood event. All South worked in conjunction with our client and other federal and local entities to design a system that would maximize flood protection to the campus, while minimizing impacts to the students and administrations use of the recreational areas on the school property. All South provided Civil Engineering and Design, Hydraulic and Hydrologic Modeling, Earthen and Sheet Pile Levee Engineering and Design, Topographic Survey, Permitting, Construction Administration and Inspection.</p> <p>The H&amp;H methodology included a rational method analysis to size internal drainage lines and the drainage pump station, a hydrologic study using HEC-HMS to determine the discharge hydrograph in the drainage area, and an unsteady hydraulics analysis using HEC-RAS to determine water surface elevations in and outside of the high school site.</p> <p>Project components included:</p> <ul style="list-style-type: none"> <li>4,600 LF of earthen and sheet pile berm to mitigate effects of flooding</li> <li>Stormwater retention structures for additional floodwater storage capacity to mitigate the effects of future flood events</li> <li>Drainage upgrades</li> <li><b><i>Pump station: 3-30" vertical lift propeller pumps; 75 CFS; 30" discharge over flood protection</i></b></li> <li>A new parking lot and related paving repairs to the driveways</li> <li>Elevated entrance and exit ramps on to Airline Highway</li> </ul>	
	<p>All South's construction admin duties included assisting in verification of pay applications and required documentation for repairs and warranty information. Inspection duties included verification of survey data, contractor alignments and layout for construction, drainage invert elevations, materials testing and overall safety for construction activities. All South inspection personnel monitored testing and preconditioning of soil and levee structures, soil density testing in lifts, concrete base and material sampling and sheet pile wall construction. Inspection duties also included supervising daily traffic control of 29 buses and over 2,000 students in transits on a daily basis, construction and testing of drainage structures and damaged utilities cut or hindered during construction.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2015	\$1,347,921	\$111,299




## TEC Professional Services Questionnaire

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Donaldsonville Drainage Pump Station</b>  <i>Donaldsonville, Louisiana</i></p> <p>Bayou Lafourche Fresh Water District            Ben Malbrough, P.E., Project Manager            1016 St. Mary St., Thibodaux, LA 70301            (985) 447-7155</p>	<p>All South Consulting Engineers, LLC was selected by the Bayou Lafourche Fresh Water District to perform engineering services for the Donaldsonville Drainage Improvement Project. All South helped secure State Capital Outlay Funding for this project. The includes the planning, designing, engineering, and construction management for potentially three (3) pump stations in Bayou Lafourche near Donaldsonville, Louisiana. The project is aimed at alleviating flooding concerns for the City of Donaldsonville by isolating the major storm water drains that discharge into Bayou Lafourche.</p> <p>All South was tasked with:</p> <ul style="list-style-type: none"> <li>Task 1: Field data collection, including topographic survey and geotechnical data collection as necessary.</li> <li>Task 2: Prepare preliminary documents, plans, and specifications depicting the proposed improvements.</li> <li>Task 3: Prepare final documents, plans, and specifications qualified for advertisement and bidding in accordance with Louisiana Public Bid Law.</li> </ul> <p>Task 4: Manage the advertisement and bidding of this project. Conduct pre-bid meeting and advise owner as to acceptability of bids from construction contractors</p>	
		
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
08/2018	TBD	\$158,740

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p style="text-align: center;"><b>Homeplace Pump Station</b>  <i>Lafourche Parish, Louisiana</i></p> <p>Lafourche Parish Government            James Barnes, Public Works Director            P.O. Box 425, Mathew, LA 70375            (985) 532-8235</p>	<p>All South Consulting Engineers, LLC is currently conducting a damage assessment, and developing design documents for the repair of the Homeplace Pump Station located in Gheens LA, for the Lafourche Parish Government.</p> <p>Homeplace pump station was heavily damaged by Hurricane Ida. The existing pump building was damaged by high winds and both the pile supported structure and the steel discharge piping experienced loss of structural soil support.</p> <p>All South is responsible for the structural design of a new Timber Pile supported pumping platform, with a WASKEY precast concrete deck, equipped with metal railing and a steel access walkway. <i>Existing drainage pumps shall be replaced with new pumps, including new discharge pipes, to be included under the project for flood hazard mitigation.</i> All South is also responsible for designing the pump float controls for proper operation. The project includes structural design of two (2) steel bar screen structures, with vertical timber piling, braced with battered timber piling. The project includes repairs to the access road to the pump station.</p> <div style="text-align: center;">  </div>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Ongoing (09/2024 est.)	TBD	\$160,844

## TEC Professional Services Questionnaire

<b>PROJECT NO. 8</b>								
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>							
<p><b>Sewerage &amp; Water Board of New Orleans</b>  <b>Drainage Pump Station No. 4</b>  <i>New Orleans, Louisiana</i></p> <p>Sewerage &amp; Water Board of New Orleans  Frank Fromherz, P.E., Capital Projects  625 St. Joseph St., New Orleans, LA 70165  (504) 529-2837</p>	<p>All South Consulting Engineers is responsible for the preparation of plans and specifications, construction administration, and resident inspection of the improvements to Drainage Pump Station No. 4. This project involves the enclosure of an existing 'open air' drainage pump station with an 8,236 square foot steel framed structure. The conceptual design provides for the new crane building structure to occupy and land on the existing pump station equipment crane rail foundation support points. The new crane building will provide a new 25-ton overhead crane to be supported on the existing interior structure columns points.</p> <p>A cross section of the facility depicts the typical foundation members that will have to be analyzed to verify capacity for the structure. Additional design requirements will include up to 6 roll-up doors, two entry doors, an overhead crane system, and all electrical elements needed in the operation of the structure. In addition, the final design and staging must allow the facility to remain in operations during construction.</p> <div style="text-align: center;">  </div>							
<p><b>Completion Date (Actual or estimated):</b></p>	<p style="text-align: center;"><b>Estimated Cost:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;">Entire Project:</th> <th style="width: 50%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> <tr> <td style="width: 50%; text-align: center; padding: 5px;">01/2020</td> <td style="width: 50%; text-align: center; padding: 5px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; padding: 5px;">\$3,000,000</td> <td style="width: 50%; text-align: center; padding: 5px;">\$308,264</td> </tr> </table> </td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	01/2020	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; padding: 5px;">\$3,000,000</td> <td style="width: 50%; text-align: center; padding: 5px;">\$308,264</td> </tr> </table>	\$3,000,000	\$308,264
Entire Project:	Work for which Firm was Responsible:							
01/2020	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; padding: 5px;">\$3,000,000</td> <td style="width: 50%; text-align: center; padding: 5px;">\$308,264</td> </tr> </table>	\$3,000,000	\$308,264					
\$3,000,000	\$308,264							



## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p style="text-align: center;"><b>Cyprien Pump Station</b>  <i>Lafourche Parish, Louisiana</i></p> <p>Lafourche Parish Government            James Barnes, Public Works Director            P.O. Box 425, Mathews, LA 70375            (985) 532-8235</p>	<p>In the spring of 2012, the Lafourche Parish Government was confronted with an emergency situation at the Cyprien Pump Station, a station with a 30", 36", and 48" pump. The structural components of this station were failing, with cracked joists, leaning pumps, and an electrical system that was a danger to anyone who operated the pumps. The station was collapsing into the canal, and the Lafourche Parish Government (LPG) retained All South to provide the civil and structural engineering of this project.</p> <p>All South assisted in providing LPG with a long term solution that would fix the problem, but the LPG also could not afford to lose the existing pumps for any time at all. This pump station services a large area and needed to stay on-line during the repair job.</p> <p>All South provided an assessment of the damaged structure and the Engineering and Design for this project. The All South team decided that several of the structural members needed to be replaced, some with steel and some with timber. As expected, the larger pumps required the most work.</p> <p>All South also developed a work plan that called for the installation of several temporary pumps at the site to maintain the necessary capacity to keep the residents dry during construction. Because this is a very small site, the planning for the temporary pumps was tough, but the team made it work.</p>	
		
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
12/2013	\$165,000	\$15,000



## TEC Professional Services Questionnaire

<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Plaquemines Parish Pump Station Assessments and Rehabilitation</b>  <i>Plaquemines Parish, Louisiana</i></p> <p>Plaquemines Parish Government            Ken Dugas, Executive Director            333 F Edward Hebert Blvd            Belle Chasse, LA 70037            (504) 934-6000</p>	<div style="display: flex;"> <div style="flex: 1;"> <p>All South Consulting Engineers prepared damage reports for 16 drainage pumping stations in Plaquemines Parish that were damaged as a result of Hurricane Katrina. These evaluations were performed in order to ensure that the work being performed by the United States Army Corps of Engineers work plans repaired the stations sufficiently. As a result of these reports, Plaquemines Parish gained 5 new drainage pumping stations. These stations were originally scheduled to be repaired, but All South proved that they were substantially damaged and FEMA wrote project worksheet to replace these stations. All South evaluated the site, structure, fuel system, electrical system, mechanical systems and interior of each building.</p> <p>All South provided overall program management of the FEMA funding for Plaquemines Parish Government Facilities that were destroyed by Hurricane Katrina. All South's responsibilities included oversight of the design, review of drawing and specification submittals and coordination with FEMA and GOHSEP to ensure eligibility of reimbursement before public bid and construction. All South provided management and inspection of all construction related activities in order to provide quality control and quality assurance. Additional duties included monitoring of the Contractor progress through onsite visits, attendance at all meetings and approval of all change orders, direct coordination with the Engineer of Record to ensure constructability, and coordination of all issues in the field for quick resolution to avoid delays.</p> </div> <div style="flex: 1;">  </div> </div>	
		
		
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
12/2011	\$3,360,900	\$360,900

## 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. IMC Construction	Jefferson Parish	Jefferson Parish filed 3 <sup>rd</sup> party demand to All South Consulting Engineers, LLC. Status is pending
2.		
3.		
4.		

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



**All South Consulting Engineers, LLC** is a Limited Liability Company owned by Timothy Bonura, Jens J. Nielsen Jr., and Stephen Smith. Established in May 2004, All South is a multi-disciplinary firm that provides Civil and Structural Engineering, Land and Hydrographic Surveying, Program and Grant Management, Construction Administration and Inspection, and Disaster Management to federal, state, and municipal agencies, as well as, private clients throughout the Gulf Coast.

### » SPECIALIZED EXPERIENCE «

All South has substantial experience in the Civil Engineering, Project Management, Land Surveying, and Resident All South's performance on public contracts with government agencies and local entities is extensive. Native to Southeast Louisiana, our knowledge of local conditions and understanding of pressing local issues comes from more than 20 years of experience providing engineering design, surveying, construction management, and inspection services on a myriad of projects and programs that highlight the diversity and beauty of our local area. Since our inception in 2004, All South has designed millions of dollars' worth of projects of various scopes directly for public agencies and municipalities throughout Southeast Louisiana.

***We offer a plethora of experience with projects to alleviate drainage issues, including many years of experience in the design and construction management of Jefferson Parish Drainage Projects.*** The knowledge and experience of our staff, paired with the use of innovative software, allows us to develop **hydraulic and hydrologic models and relevant drainage calculations** to give an end product that addresses the entire drainage system for each project. The finished drainage projects substantially improve the flow of water in each area, thus preventing any flooding.





## TEC Professional Services Questionnaire

All South's experience includes *pre and post drainage calculations, culvert sizing and design, horizontal and vertical conflict resolution and any other permitting processes required.*

All South's experience includes the following components:

✓	<b>New Drainage Pump Station Design</b>
✓	<b>Hydraulic and Hydrologic Modeling</b>
✓	<b>Capacity Analysis</b>
✓	<b>Site Location</b>
✓	<b>Suction Structures</b>
✓	<b>Discharge Piping</b>
✓	<b>Levee Crossings</b>
✓	<b>Jacking and Boring of Drain Lines</b>
✓	<b>Relocation of Bike Paths and Levee related work</b>
✓	<b>USACE, Levee District, DOTD and Railroad Permitting</b>
✓	<b>Utility Relocations and Adjustments</b>
✓	<b>Cost Estimating</b>
✓	<b>Traffic Control</b>
✓	<b>State and Federal Funding Assistance</b>



### » FIRM CAPABILITIES AND FIELD EQUIPMENT «

Our staff performs a wide variety of design and administrative services for our clients. These services span multiple design specialties, and we rely on this versatility to offer a more complete service. All South's specialties span from design, to construction and project management, to onsite resident inspection, to a variety of surveying applications. More specifically, a list of our applicable specialties for this proposal is included below.

ENGINEERING DESIGN		
<b>Water</b> Water Modeling; Water Treatment; Water Distribution Systems  <b>Drainage</b> Hydraulic/Hydrologic Studies; Collection Systems; Open Channels (Structural/Earthen); Retention & Detention Ponds, Pump Stations  <b>Sewer</b> Modeling; Treatment Plants; Collection Systems; Lift Stations; Force Mains	<b>Coastal</b> Land Development; Levees; Wetland Development; Marsh Re-creation; Mitigation; Dredging  <b>Flood Control</b> Locks; Flood Gates; T-Walls; I-Walls; Earthen & Structural Levees; Sheet Pile Structures  <b>Land Development</b> Civil Site Services	<b>Transportation</b> Traffic Counts; Traffic Impact Analysis; 3D Modeling; Concrete & Asphalt Roadway; Bridge Design  <b>Recreational</b> Recreational Fields ; Bicycle/ Pedestrian Paths; Master Plans  <b>Public Utilities Structural</b> Buildings; Retaining Walls; Shallow and Deep Foundations; Existing Facility Structural Analysis
SURVEYING	PROGRAM/ GRANT MANAGEMENT	CONSTRUCTION MANAGEMENT
Boundary/ALTA-NSPS Survey Control Survey Elevation Survey GIS Data Acquisition HDS (High Definition) Laser Scanning Hydrographic Survey Pipeline Survey Topographic Survey Right of Way	Grant Writing and Management Public Assistance Application Development Planning Cost Estimating Reimbursements Scheduling Plan Review Program Database Development	Bidding and Advertising Resident Project Representative Document Control Cost Control Safety Review Field Engineering Close Out Documentation As Built Drawing Development

## TEC Professional Services Questionnaire

Our survey crews use the latest of field equipment to deliver for our clients, including:

• Leica GS-14 GPS Receivers	• G-882 Magnetometer
• AutoCAD Stations Civil 3D, Microstation, InRoads, CadConform	• Four wheel off road vehicles / marsh buggies
• 26' Scully Aluminum Boat with Dual 150 h.p. motors	• 14' Aluminum Flat Boat
• DJI Inspire 2 Aircraft with Zenmuse X4S Payload	• DJI Phantom 4 Advanced Aircraft
• 6' Z-boat, remotely operated hydrographic survey boat	• DJI Mavic Pro Aircraft
• Odom Hydrographic CV100 dual frequency Echosounder	• Hypack – Hydrographic software

### » PROFESSIONAL TRAINING AND EXPERIENCE «

All South's licensed engineers have a total of 296 combined years of experience performing civil works projects in South Louisiana. Our licensed professionals all obtain over 15 hours annually of continuing education along with several in house seminars. These courses are all designed to make sure our staff is up to date with all the latest construction materials and methods. All South maintains annual agreements with AutoCAD and Civil 3D to keep us up to date with the latest computer software's. Each design professional researches the proper continuing education courses to help further their experience in the proper fields.

*Our team of Professional Engineers, Project Managers, Construction Managers, and Resident Inspectors obtain professional qualifications that allow for satisfactory work, which cumulatively include:*

- ATSSA Traffic Control Supervisor/ Technician/ Flagger
- USACE Certified in Construction Quality Management for Contractors
- LaDOTD Asphalt Paving Inspector/Technician
- Veriforce Certified OQ in Excavating, Trenching, and Shoring
- LaDOTD Density Testing for Embankment
- Veriforce Certified in CCT
- LaDOTD Base Course & Base Course Inspection
- USACE Resident Inspector/Disaster Recovery Monitor

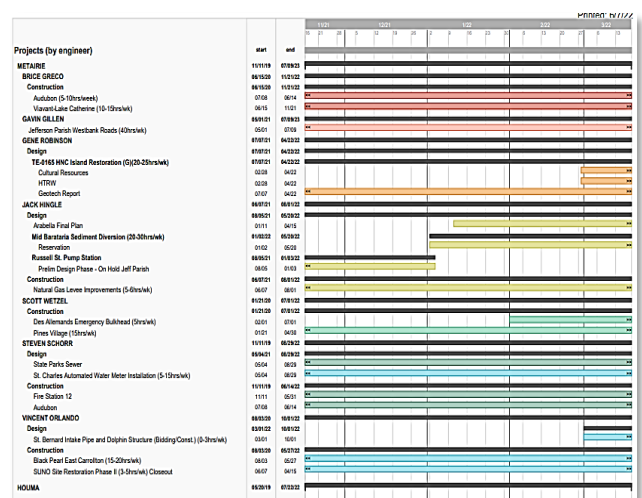
### » SIZE OF FIRM «

The All South staff includes 76 professionals driven to excellence and focused on our clients' needs. We are made up of 14 Louisiana Licensed Professional Engineers, 8 Engineering Interns, 2 Professional Land Surveyors, and 14 program and grant management personnel. Our staff also includes program managers, CADD technicians/draftsmen, grant specialist, field monitors and administrative support staff, all of which provide years of experience to help ensure that our work is exceptional.

### » CAPACITY FOR TIMELY COMPLETION «

With 76 employees and ample resources, All South has more than enough capacity to meet any deadlines that the Parish requests. Our team is committed to and capable of meeting all schedules and deadlines that the Parish requests to ensure timely completion of all projects.

Additionally, we will utilize Team Gantt software for this project as a means of communication and accountability between consultants and Parish personnel. Team Gantt is an excellent project management tool designed to help create, manage, and finish projects on time and on budget. This software allows us to change start and end dates, reorder tasks, and adjust timelines seamlessly. It allows us to see every project update and document on a single page and quickly share them with





## **TEC Professional Services Questionnaire**

both internal and external stakeholders. Team Gantt allows us to effectively manage resources, stay on budget, and ensure everyone is working but not overloaded. We can compare the original timeline projection with the actual timeline of the project with a baseline report. Parish personnel will be issued access to Team Gantt, so they can remain updated on the progress of the project at their own convenience.

***All South takes pride in the quality control taken to ensure our design and management practices account for accuracy, schedule, and costs for every project. If selected, All South will implement our quality control and assurance principles to the Jefferson Parish Government projects through our qualified staff, innovative scheduling software, and innovative design practices to control cost.***

### **» PAST PERFORMANCE «**

Over the past 20 years, All South has developed an outstanding reputation as one of the Gulf South's leading Engineering and Surveying firms. Aside from our technical experience, All South stands out amongst competitors because of our unrivaled devotion to our clients and ability to meet their needs. Our past performance within Jefferson Parish has given us a keen and nuanced understanding of the inner working of the various Parish departments, as well as the likings and needs of the Parish as a whole.

Our background has bred a sense of commitment, comradery, and the willingness to fight for our clients through every phase of a project. The satisfaction expressed by our clients can be directly accredited to not only our ability to deliver exceptional work that meets all contractual, time, and budgetary obligations, but also the genuine and lasting relationships we build throughout the process. As a direct result, our clients continue to choose All South. We believe this trend speaks very highly to our staff, our commitment, and our results. The staff members included in this proposal will employ these same levels of client devotion and satisfaction to Jefferson Parish.

***Since its inception in 2004, All South has reached innumerable professional accomplishments within each aspect of our wide variety of disciplines. Some of our notable accomplishments include:***

- ✓ **American Council of Engineering Companies of Louisiana 2020 Engineering Excellence Awards**
  - Structural Systems Grand Award Winner: Terrebonne Port Industrial Blvd N. Soil Improvements & Bulkhead
- ✓ **American Concrete Institute Louisiana Chapter's 22nd annual Excellence in Concrete Construction Awards in recognition of outstanding and innovative use of concrete products:**
  - 2019 Infrastructure Award of Merit: Terrebonne Port Industrial Blvd N. Soil Improvements & Bulkhead
- ✓ **American Concrete Institute Louisiana Chapter's 22nd annual Excellence in Concrete Construction Awards in recognition of outstanding and innovative use of concrete products:**
  - 2019 Repairs and Restoration Project Award of Merit: West End – Breakwater Drive Boat Launch Project

### **» LOCATION OF THE PRINCIPAL OFFICE «**

All South's home office is located at 652 Papworth Avenue, Metairie, Louisiana 70005.

### **» ADVERSARIAL LEGAL PROCEEDINGS «**

Please refer to section M of this TEC Questionnaire.

### **» PRIOR SUCCESSFUL COMPLETION «**

Please refer to the project descriptions listed above to see All South's prior successful completion of similar projects, as well as their respective verifiable references. All South has maintained a strong and successful working relationship with Jefferson Parish since 2004 and has continuously received positive feedback from Parish officials and personnel. We have completed millions of dollars in construction of Jefferson Parish infrastructure and look forward to continuing this great relationship.

## **TEC Professional Services Questionnaire**

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

**Signature:** \_\_\_\_\_

**Print Name:** Timothy P. Bonura, P.E.

**Title:** Managing Partner

**Date:** August 29, 2024



## TEC Professional Services Questionnaire

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

SOQ 24-029 : Independence Park Drainage Pump Station

**B. Firm Name & Address:**

Marrero, Couvillon & Associates, LLC.  
3525 Hessmer Ave., Suite 304  
Metairie, LA 70001

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

Brian Miller, P.E.  
Vice President of Engineering/Project Manager  
(225) 408-8249  
[bmiller@mca-llc.com](mailto:bmiller@mca-llc.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.**

Kimball Schlafly, P.E.  
Project Manager/Engineer  
(504) 834-3448  
[kschlafly@mca-llc.com](mailto:kschlafly@mca-llc.com)

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

<u>3</u> Administrative	<u>2</u> Estimators	<u>   </u> Specification Writers
<u>2</u> Architects (Licensed)	<u>   </u> Geologists	<u>1</u> Structural Engineers
<u>   </u> Chemical Engineers	<u>   </u> Geotechnical Engineers	<u>   </u> Graduate Engineers
<u>   </u> Civil Engineers	<u>   </u> Interior Designers	<u>3</u> Project Managers
<u>   </u> Construction Inspectors	<u>   </u> Landscape Architects	<u>2</u> Clerical
<u>   </u> Ecologists	<u>   </u> Land Surveyor	<u>   </u> Grant/Funding Specialist
<u>4</u> Electrical Engineers	<u>3</u> Mechanical Engineers	<u>   </u> Sanitary Engineers
<u>3</u> Engineer Intern	<u>   </u> Environmental Engineers	
<u>   </u> Professional Land Surveyors	<u>4</u> CADD Operators/Designers	<u>28</u> <b>TOTAL</b>

**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 \_\_\_\_\_**

**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. See Prime Submittal		
2.		
3.		

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



## **TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Kimball M. Schlafly, P.E., Sr. Electrical Engineer
<b>Project Assignment:</b>
Sr. Electrical Engineer
<b>Name of Firm with which associated:</b>
Marrero, Couvillon & Associates, LLC.
<b>Years' experience with this Firm:</b>
4
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 1988 / Electrical Engineering
<b>Active registration: Year first registered/discipline:</b>
1993 Electrical Engineer
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Schlafly has over 30 years of experience in electrical engineering and project management. He has provided design of lighting, low and medium voltage power distribution, standby and emergency power systems, motor control and SCADA, telecommunications, fire alarm, access control, and video surveillance. Mr. Schlafly has worked on projects with clients in both the public and private sector, such as Facility Planning and Control in Baton Rouge, NAVFAC, USACE, Tulane University, as well as with various Architects, Engineering firms, and building owners. Prior to joining Marrero, Couvillon &amp; Associates, Mr. Schlafly was managing partner of his own firm, working for contractors, architects, and owners on design-build projects and design-bid projects. Relevant projects Mr. Schlafly has worked on include:</p> <p><b>Galveston 14th St. Drainage Improvements</b> – Marrero, Couvillon &amp; Associates is providing engineering design for Mechanical, Electrical, Plumbing and Instrumentation Control Systems for the 14th Street Drainage Improvement project for the City of Galveston, Texas. MCA's services will be focused on a new pump station that will be constructed as part of the drainage project. The station will have (9) 170 HP pumps to alleviate flooding during hurricane events. (3) Generators and a fuel tank will provide power for the pumps that will permit (3) of them to operate for 72 hours and the other 6 a total of 24 hours. MCA is also providing the electrical, mechanical, and plumbing design for the building which houses the generators and the control room.</p> <p><b>St. Tammany Pump Station – St. Tammany Parish-</b> MCA was responsible for the electrical power and controls design for the installation of these stations. Each station had 2 pumps which ranged from 5 to 15 hp. MCA provided preliminary design, construction documents, specifications, bid phase services, and construction assistance.</p> <p><b>Drainage and Intake Pump Stations, Sewerage and Water Board, New Orleans, LA</b> - Design of ventilation control systems, and diesel generators to provide emergency power to lighting, operator's station, pump controls, and communications systems at pump stations #5, #6, #20, Carrollton Plant, and River water intake facility, in order to provide viability during power outage and storm events, independent of the power systems for the pumps.</p> <p><b>East Bank Wastewater Treatment Plant Effluent Pump Station – New Orleans, LA</b> – MCA is providing electrical and instrumentation engineering for a new 1,000 HP, 36" pump at the EBWWTP Effluent Pump Station, similar in configuration and capacity to the two existing 1,000 HP 36" pumps. MCA will also be providing electrical and instrumentation engineering for the modifications of the EPS pump discharge header to accommodate the new pump and to allow improve the flow of the parallel effluent force mains. MCA is providing electrical engineering and design to specify the new motor, drive and control, and their integration with the currently planned upgrades of the EPS electrical system. MCA is also providing electrical system modeling and upsizing one substation transformer &amp; relocating another transformer to accommodate the additional electrical load due to the new 1000 HP pump.</p> <ul style="list-style-type: none"> <li>• <b>Cyprien Pump Station, Lafourche Parish</b></li> <li>• <b>14th Street Pump Station – City of Galveston, Texas</b></li> </ul>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Brian Miller, P.E., Vice President of Engineering
<b>Project Assignment:</b>
Sr. Mechanical Engineer
<b>Name of Firm with which associated:</b>
Marrero, Couvillon & Associates, LLC.
<b>Years' experience with this Firm:</b>
7
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 1986 / Mechanical Engineering
<b>Active registration: Year first registered/discipline:</b>
1995 Mechanical Engineer
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Since receiving his Bachelor of Science Degree in Mechanical Engineering from Louisiana Tech University in 1986, Mr. Miller has over 36 years of engineering experience in mechanical engineering, project engineering and project management. Mr. Miller has been responsible for various projects ranging from HVAC systems design to wastewater pump stations. Brian is working with clients in both the public and private sector, such as the New Orleans Recovery School District, the Louisiana Department of Transportation, the Ascension Parish School Board, as well as various Architects and Engineering firms. He is a registered mechanical engineer in the State of Louisiana.</p> <p><b>St. Mary Parish – Amelia Pump Stations 2 and 2A, Amelia, LA</b> – Installation of a 48" pump that will replace an existing 20" pump at the pumping station, a new pump house and associated power. Also includes installation of a new alternator control system to line the new pump with an existing 48" pump to stage/alternate operation of both pumps based on water level and operating sequence.</p> <p><b>East Baton Rouge City/Parish – Sanitary Overflow Program - Multiple Pump Stations – Highland Road – Kenilworth Pkwy.</b> – Replaced 13 pump stations to alleviate SSO's at and near the pump stations and in the respective upstream basins. This will also provide capacity to handle predicted future peak wet weather flows. MCA was engaged in designing the electrical power, controls designs and standby generator size for the pump load at each site in accord with DPW standards. The scope of services includes: investigations, preliminary design, detailed design, bidding services and engineering services during construction.</p> <p><b>Multiple Pump Stations, Plaquemines Parish, LA</b> – Damage assessments and repairs to Point a la Hache (east and west), Point Celeste, Bellevue, and Bellair stations, which primarily consist of pumps with chain-drive connection to diesel engines, and small diesel generators providing emergency power for lighting and controls.</p> <p><b>East Bank Wastewater Treatment Plant Effluent Pump Station – New Orleans, LA</b> – MCA is providing electrical and instrumentation engineering for a new 1,000 HP, 36" pump at the EBWWTP Effluent Pump Station, similar in configuration and capacity to the two existing 1,000 HP 36" pumps. MCA will also be providing electrical and instrumentation engineering for the modifications of the EPS pump discharge header to accommodate the new pump and to allow improve the flow of the parallel effluent force mains. MCA is providing electrical engineering and design to specify the new motor, drive and control, and their integration with the currently planned upgrades of the EPS electrical system. MCA is also providing electrical system modeling and upsizing one substation transformer &amp; relocating another transformer to accommodate the additional electrical load due to the new 1000 HP pump.</p> <ul style="list-style-type: none"> <li>• <b>St. James Pump Station – St. James Parish</b></li> <li>• <b>Baton Rouge City/Parish Sewerage Project</b></li> <li>• <b>Morgan City Pump Station – St. Mary Parish</b></li> <li>• <b>14th Street Pump Station – City of Galveston, Texas</b></li> </ul>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Chad Blanchard, BSME, LEED AP
<b>Project Assignment:</b>
Mechanical Engineer
<b>Name of Firm with which associated:</b>
Marrero, Couvillon & Associates, LLC.
<b>Years' experience with this Firm:</b>
7
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2007 / Mechanical Engineering
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Blanchard received his Bachelor of Science Degree in Mechanical Engineering from Louisiana Tech University in 2007. Mr. Blanchard is a member of the American Society of Mechanical Engineers and ASHRAE, and he is certified LEED AP. Mr. Blanchard recently joined Marrero, Couvillon &amp; Associates as one of our Mechanical Engineers. Since joining MCA, he has been responsible for various projects ranging from QA/QC of mechanical work and HVAC systems design, to performing studies of mechanical systems in various facilities. Mechanical projects Mr. Blanchard has been responsible for include:</p> <p><b>City of New Orleans – Mirabeau Water Garden, New Orleans, LA</b> – A 25 acre site at Mirabeau Ave. and St. Bernard Ave. is being developed into a 9.5MM gallon surge stormwater retention site as part of the comprehensive New Orleans Water Plan. The facility will include a lift station building, water tunnel feature, area lighting and plans for future buildings used for educational and assembly purposes.</p> <p><b>Chevron Phillips – Port Arthur, Texas – Central Firehouse</b> – Complete plumbing systems including a sanitary sewer lift station with inflow and outflow piping as well as coordination with structural and electrical disciplines.</p> <p><b>Flint Hills Resources – Port Arthur, Texas – Central Control Building (CCB)</b> - Complete plumbing systems including a sanitary sewer lift station with inflow and outflow piping as well as coordination with structural and electrical disciplines. Additionally the building included a storm water system to provide drainage from the roof of the building.</p> <p><b>Dallas County Jail – Dallas, Texas</b> – Domestic cold and hot water systems as well as sanitary sewer systems associated with the remodeling 3 levels an existing 9 level downtown corrections facility.</p> <p><b>East Bank Wastewater Treatment Plant Effluent Pump Station – New Orleans, LA</b> – MCA is providing electrical and instrumentation engineering for a new 1,000 HP, 36" pump at the EBWWTP Effluent Pump Station, similar in configuration and capacity to the two existing 1,000 HP 36" pumps. MCA will also be providing electrical and instrumentation engineering for the modifications of the EPS pump discharge header to accommodate the new pump and to allow improve the flow of the parallel effluent force mains. MCA is providing electrical engineering and design to specify the new motor, drive and control, and their integration with the currently planned upgrades of the EPS electrical system. MCA is also providing electrical system modeling and upsizing one substation transformer &amp; relocating another transformer to accommodate the additional electrical load due to the new 1000 HP pump.</p> <ul style="list-style-type: none"> <li>• <b>14th Street Pump Station – City of Galveston, Texas</b></li> </ul>

## 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:	
Bayou Segnette Drainage Pump Station Jefferson Parish MCA is subconsultant to: Rahman & Associates, LLC 3645 Williams Blvd #208 Kenner, LA 70065	Electrical engineering services for Bayou Segnette Drainage Pump Station, Westwego, LA—Pump Station Improvements to Bayou Segnette Drainage Pump Station No. 1, including the replacement of 4—150 CFS pumps and 6 engines, the rehabilitation of 6 existing gear boxes and related ancillary work.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	\$3,500,000	\$700,000


### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Multiple Pump Stations East Baton Rouge Parish East Baton Rouge City/Parish MCA Subconsultant to AECOM 8757 Woodway Dr., Suite 101 West Houston, TX 77057	Department of Public Works projects for the upgrade of multiple pump stations in the Highland Road/ Kenilworth area located in East Baton Rouge Parish. The project includes the upsizing of 9 pump stations and the construction of 2 pump stations to alleviate Sanitary Sewer Overflow at and near the pump stations and in respective upstream basins. The improvements will provide capacity to handle predicted future peak wet weather flows. The scope of work encompasses residential and commercial areas as well as Louisiana State University facilities.  MCA was engaged in designing the electrical power, controls designs and standby generator size for the pump load at each site in accord with DPW standards.  The scope of services includes: Investigations, Preliminary Design, Detailed Design, Bidding Services and Engineering Services During Construction	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017	\$30,000,000	\$7,000,000



## TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>East Bank Wastewater Treatment Plant Effluent Pump Station New Orleans, LA MCA is a subconsultant to: Greenpoint Engineering Amer Tufail, P.E. 701 Loyola Ave. New Orleans, LA 70113</p> 	<p>MCA is providing electrical and instrumentation engineering for a new 1,000 HP, 36" pump at the EBWWTP Effluent Pump Station, similar in configuration and capacity to the two existing 1,000 HP 36" pumps. MCA will also be providing electrical and instrumentation engineering for the modifications of the EPS pump discharge header to accommodate the new pump and to allow improve the flow of the parallel effluent force mains. MCA is providing electrical engineering and design to specify the new motor, drive and control, and their integration with the currently planned upgrades of the EPS electrical system. MCA is also providing electrical system modeling and upsizing one substation transformer &amp; relocating another transformer to accommodate the additional electrical load due to the new 1000 HP pump.</p>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$5,500,000	\$3,000,000


PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Baton Rouge City Parish Sewer Project East Baton Rouge Parish MCA Subconsultant to: Evans-Graves /Burk-Kleinpeter 9800 Airline Highway, Suite 200 Baton Rouge, LA</p> 	<p>The Department of Public Works initiated projects for the upgrade of the Metro Airport Area sewer pump station and force main upgrades, located in East Baton Rouge Parish. The project includes 8 pump stations in the area to alleviate sanitary sewer overflow. The improvement will provide capacity to handle predicted future peak wet weather flows. The scope of work encompasses residential and commercial areas as well as Baton Rouge Metro Airport.</p> <p>MCA was engaged in designing the electrical power, controls, designs and standby generator size for the pump load at each site in accord with DPW standards.</p> <p>The scope of services includes Investigations, Preliminary Design, Detailed Design, Bidding Services, and Engineering Services During Construction.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014	\$30,000,000	\$9,000,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Ascension Parish 6 Pump Stations Ascension Parish MCA Subconsultant to: Evans-Graves 9800 Airline Highway, Suite 200 Baton Rouge, LA	<p>The submersible wastewater pump stations are located throughout Ascension Parish. There are a total of 6 duplex pump stations serving facilities in Darrow, Louisiana. The purpose of this project was to upgrade existing pump stations and design new installations for Ascension Parish Public Works. This includes design of a control system for pump operation and coordination with Entergy for build out of the power infrastructure for service at the new sites.</p> <p>MCA was engaged in designing the electrical power, controls designs, and standby generator size for the pump load at each site.</p> <p>The scope of services includes Investigations, Preliminary Design, Detailed</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2021	\$400,000	\$125,000

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Baton Rouge City/Parish Sewer Project East Baton Rouge Parish MCA Subconsultant to: CSRS 6767 Perkins Road, Suite 200 Baton Rouge, LA 70808	<p>Multiple Pump Stations for the East Baton Rouge City/Parish Department of Public Works - Jefferson Hwy - Park Forest Dr. – The project included replacing five pump stations. The upgrades will work in conjunction with force main upgrades in other South Forced Upper Basin projects to alleviate chronic SSO's at and near the five pump stations. MCA is a subconsultant to CSRS</p> <p>MCA was engaged in designing the electrical power, controls designs and standby generator size for the pump load at each site in accord with DPW standards.</p> <p>The scope of services includes Investigations, Preliminary Design Technician, Detailed Design, Bidding Services, and Engineering Services During Construction.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2012	\$25,000,000	\$7,000,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Marvin J. Braud Pump Station Ascension Parish MCA Subconsultant to: Burk-Kleinpeter Tony Moschella, P.E. P. O. Box 19087 New Orleans, LA 70179</p> 	<p>The Marvin J Braud Pump Station Basin covers the central and northern portions of East Ascension Parish including the City of Gonzales and Prairieville, Louisiana, and East Ascension Consolidated Gravity Drainage District.</p> <p>MCA prepared the Electrical and Control Systems CDs for the expansion of the pumping station by adding Diesel Driven pump motors, a new line-up of 480 MCC, a new 480VAC 3 Phase power service, new lighting for the pump building, and emergency power generation (EPG) for miscellaneous electrical loads and another EPG for the critical life-safety electrical loads. MCA performed electrical engineering services for the installation of the addition of pump No. 6 driven by 1250n HP internal combustion engines. MCA was responsible for the modifications to upgrade the electrical utility service; Relocate the electrical utility transformers; Upgrade the existing stand by emergency power generator and install a second generator unit; Upgrade the electrical and electronic monitoring and operation control system for the existing five drainage pumps driven by 1250 HP internal combustion engines; Design the installation of the electrical power and control systems for the operation of the drainage pumps and auxiliary equipment; Design the installation of the electronic instrumentation systems for the operation and monitoring of the new pump N-6; Design the installation of lighting. Communication, security systems in the extension of the pump house.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2014	\$5,000,000	\$1,000,000

<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>St. James Pump Station St. James Parish MCA was subconsultant to: Professional Engineering Consultants Tony Arikol, P.E. 7600 Innovation Ave. Baton Rouge, LA 70816</p>	<p>St. James Parish planned installation of 6 new pumping stations across the parish. MCA was responsible for the electrical power and controls design for the installation of these stations. Each station had 2 pumps which ranged from 5 to 10 hp.</p> <p>MCA provided preliminary design, construction documents, specifications, bid phase services, and construction assistance.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2015	Unknown	\$19,943 (Fee)

## TEC Professional Services Questionnaire


<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
St. Tammany Pump Station St. Tammany Parish MCA was subconsultant to: Professional Engineering Consultants Tony Arikol, P.E. 7600 Innovation Ave. Baton Rouge, LA 70816	St. Tammany Parish upgraded 5 pumping stations in the Covington area. The pumps in these stations were replaced with larger pumps which required the controllers and associated electrical equipment be upgraded for the larger motors.  MCA was responsible for the electrical power and controls design for the installation of these stations. Each station had 2 pumps which ranged from 5 to 15 hp.  MCA provided preliminary design, construction documents, specifications, bid phase services, and construction assistance.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2015	Unknown	\$15,351 (Fee)

<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
St. Mary Parish Government – Amelia Pump Station 2 and 2A St. Mary Parish, Louisiana MCA was subconsultant to T. Baker Smith Thomas Naquin 17534 Old Jefferson Hwy. #D1 Prairieville, LA 70769	Installation of a 48" pump that will replace an existing 20" pump at the pumping station, a new pump house and associated power. Installation of new alternator control system to link new pump with existing 48" pump and stage/alternate operation of both pumps based on water level and operating sequence. .	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2020	\$3,100,000	\$10,000 (Fee)

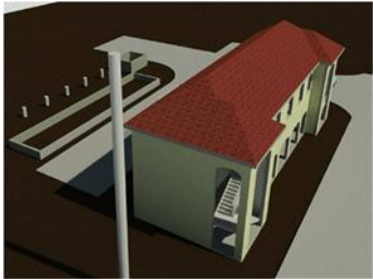


## TEC Professional Services Questionnaire

### PROJECT NO. 11

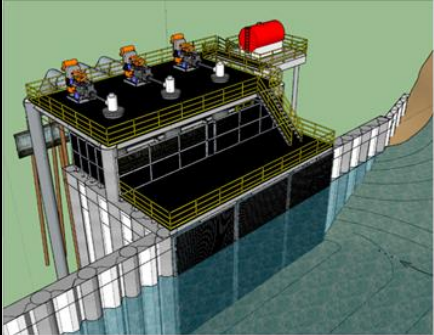
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Morgan City Pump Station St. Mary Parish, LA MCA Subconsultant to T. Baker Smith 17534 Old Jefferson Hwy., Prairieville, LA 70768 Robert Karman, Jr. PE (225) 744-2100</p> 	<p>The project includes a proposed pump station with four (4) diesel engine driven pumps and one (1) electric motor driven pump, to be removed and relocated from the existing Hwy 70 pump station along with the 5000 gallon diesel fuel tank.. The existing Hwy 70 Pump Station equipment including these diesel/electric pumps and a diesel fuel tank will be re-installed in the construction of the new pump station structure and equipment building. An operator shelter will be installed within the proposed equipment building at the project site. MCA provided electrical engineering plans and specifications for the new pump station. MCA also provided the interior and exterior area lighting design.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$1,000,000	\$67,650

### PROJECT NO. 12


Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>14th Street Pump Station Galveston, Texas MCA Subconsultant to T. Baker Smith 17534 Old Jefferson Hwy., #D1 Prairieville, LA 70769 Kevin Gorman, P.E. (225) 372-2622</p> 	<p>Marrero, Couvillon &amp; Associates provided engineering design for Mechanical, Electrical, Plumbing and Instrumentation Control Systems for the 14th Street Drainage Improvement project for the City of Galveston, Texas. MCA's services focused on a new pump station that will be constructed as part of the drainage project. The station has (9) 170 HP pumps to alleviate flooding during hurricane events. (3) Generators and a fuel tank will provide power for the pumps that will permit (3) of them to operate for 72 hours and the other 6 a total of 24 hours. MCA also provided the electrical, mechanical, and plumbing design for the building which houses the generators and the control room.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$40,440,000	\$5,420,000

## TEC Professional Services Questionnaire

### PROJECT NO. 13

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Cyprien Pumping Station Lafourche Parish, Raceland, LA MCA Subconsultant to T. Baker Smith 17534 Old Jefferson Hwy., Prairieville, LA 70768 Robert Karman, Jr. PE (225) 744-2100</p> 	<p>This project entailed the replacement of an existing pump station. The existing pump station was removed in its entirety prior to construction of the new elevated pumping station. MCA provided the electrical engineering services for the pump station structure with three 48" axial flow pumps and a separate fuel tank structure. The controls for the new pump were tied in to the existing SCADA system.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018	\$3,700,000	\$185,000

### PROJECT NO. 14

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Mirabeau Water Garden New Orleans, Louisiana City of New Orleans Steven B. Scollo, <a href="mailto:STEVE@WBAE.COM">STEVE@WBAE.COM</a> 504-524-5305 (Waggonner &amp; Ball Architects)</p> 	<p>The 25-acre site belongs to the Congregation of St. Joseph, who has agreed to donate this land to the City of New Orleans on the condition that the property be used to benefit the city by preserving and protecting the environment, improving the quality of life, and reducing the risk of flooding for neighborhood residents. Marrero, Couvillon &amp; Associates handled the Mechanical, Electrical and Plumbing design. Through innovative site design and stormwater management features that range from large storage basins to perimeter bioswales and bioretention cells, all of which store, filter, and infiltrate water, the site will directly improve the function of the existing drainage infrastructure which serves the Filmore neighborhood in Gentilly and the catchment area for Drainage Pump Station #4.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	\$13,160,000	\$1,125,752

## **TEC Professional Services Questionnaire**

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

<b>Parties:</b>		<b>Status/Result of Case:</b>
<b>Plaintiff:</b>	<b>Defendant:</b>	
<b>1.</b> None		
<b>2.</b>		
<b>3.</b>		
<b>4.</b>		

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

**MARRERO, COUVILLON & ASSOCIATES, LLC (MCA)** MARRERO, COUVILLON & ASSOCIATES, LLC (MCA) is an engineering design consulting firm with over forty years of experience. Our engineering services include electrical, mechanical and plumbing (MEP) disciplines. Services within these disciplines include:

- Investigation/Evaluation/Recommendations for existing systems
- Design of new or upgraded MEP systems
- Construction Administration services
- Field Inspection services.

The firm is current with today's rapidly changing design technologies. In this regard, MCA offers design documentation in Revit, AutoCAD and Microstation.

Founded in Baton Rouge in 1968 by Hugo A. Marrero, Sr., P.E, MCA operates a second location in Metairie, La. The Metairie location is managed by Greg DeCoursey, A.I.A. Our in-house architect serves as a beneficial liaison between our engineering design teams and the over-all project concept.

MCA's certification as a Disadvantaged Business Enterprise (DBE) by the Unified Certification Program of the Louis Armstrong New Orleans International Airport, and the Louisiana Department Of Transportation And Development (DOTD) adds value to many publicly funded projects. Additional certifications include:

- State and Local Disadvantaged Business Enterprise (SLDBE)
- Small Entrepreneurship – Hudson Initiative
- Small and Emerging Business Development (SEBD)
- Small Business Administration 8A (SBA 8a)

In addition to our capacity as prime consultant on projects for owners, contractors, and governmental agencies, Marrero, Couvillon also performs engineering services as a sub-consultant to other design professionals. Our work covers a diverse range of public, commercial and industrial projects; large and small including:

- Sewerage and Drainage
- Historical Renovations
- Parks and Recreation, including zoos
- Commercial facilities such as hotels and restaurants
- Government facilities
- Airports – terminals, hangars, airfield power/lighting
- Highways, Bridges and Tunnels
- Industry, including sugar processing facilities and petrochemical installations
- Universities and schools.

## TEC Professional Services Questionnaire

MCA's team of experienced engineers, design technicians, Computer Aided Design/Drafting (CADD) staff, field technicians and specification writers work under the supervision of experienced project managers to develop professional construction documents used for the execution of engineering projects.

1. **Professional training and experience in relation to the type of work required for the routine engineering services.** The team of professionals at Marrero, Couvillon & Associates, LLC. has varied and extensive experience in providing electrical engineering services as prime consultant, or as subconsultants. Our engineering team has over 200 years of combined experience. As evident in our project experience in Section L, MCA has performed similar projects of all types and sizes.
2. **Size of firm.** Marrero, Couvillon & Associates has two complete departments for Mechanical Engineering and Electrical Engineering. Each department is run by a licensed Professional Engineer. Each department has designers and CAD technicians to proficiently handle the field visits, meetings, drawings and specifications meeting all code requirements to complete these projects safely, efficiently and to meet the needs of the Jefferson Parish. Our staff of 35 professionals are prepared to serve.
3. **Workload.** Presently MCA is seeking to diversify and expand its present workload and would welcome the opportunity to serve Jefferson Parish. Many of our project are in CA services, or nearing completion. The staff of MCA recognizes the required activities for this project and concludes that MCA has the capacity to meet the requirements to develop all aspects of the work associated with this project. MCA staff assigned to this project will be scheduled with all of the time necessary to provide services required, at the time when they are needed.
4. **Past Performance on Jefferson Parish contracts.** Marrero, Couvillon & Associates welcomes the opportunity to provide engineering services for Jefferson Parish. We were the subconsultants on the Bayou Segnette Pumping Station project. We were subconsultants on the West Esplanade F8-4, F\*-5 Lift Station project and the Upper LA 45 Tidal Storm Surge Protection Project. We have not worked as a prime to the parish for many years. We have, however, been involved with many projects within Jefferson Parish, including projects for the design of the New Terminal for the Louis Armstrong International Airport in Kenner, and the rehabilitation of Harvey Canal Tunnel.
5. **Location of the principal office.** Marrero, Couvillon & Associates offers two locations to best meet our client needs. Our Metairie office located at 3525 Hessmer Ave. will serve as our headquarters for this project.
6. **Adversarial Legal proceedings between the Parish and the firm.** MCA has never encountered an adversarial situation with Jefferson Parish and plans to keep it that way.
7. **References for successful completion of projects.** MCA is pleased to provide references for projects of similar nature. Please refer to Section L, Work by Firm, Project owner names and contact information.

Marrero, Couvillon & Associates looks forward to working with Jefferson Parish.

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

Signature:  \_\_\_\_\_

Print Name : M. Kimball Schlafly, P.E.

Title: Sr. Electrical Engineer

Date: 8/28/2024



## TEC Professional Services Questionnaire

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

Independence Park Drainage Pump Station #24-029

**B. Firm Name & Address:**

The Beta Group Engineering and Construction Services, LLC  
1428 1/2 Claire Ave  
Gretna, LA 70053

**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:**

Alex Jaramillo, P.E.  
Geotechnical Engineer  
alexj@betagroupgc.com  
504-227-2273

**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.**

Alex Jaramillo, P.E.  
Geotechnical Engineer  
alexj@betagroupgc.com  
504-227-2273

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

<u>4</u> Administrative	<u>1</u> Estimators	<u>      </u> Specification Writers
<u>      </u> Architects (Licensed)	<u>      </u> Geologists	<u>      </u> Structural Engineers
<u>      </u> Chemical Engineers	<u>2</u> Geotechnical Engineers	<u>      </u> Graduate Engineers
<u>1</u> Civil Engineers	<u>      </u> Interior Designers	<u>4</u> Project Managers
<u>15</u> Construction Inspectors	<u>      </u> Landscape Architects	<u>3</u> Clerical
<u>      </u> Ecologists	<u>      </u> Land Surveyor	<u>      </u> Grant/Funding Specialist
<u>      </u> Electrical Engineers	<u>      </u> Mechanical Engineers	<u>      </u> Sanitary Engineers
<u>1</u> Engineer Intern	<u>      </u> Environmental Engineers	
<u>      </u> Professional Land Surveyors		<u>31</u> <b>TOTAL</b>

**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.

2.

**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.		
2.		
3.		

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

Murray White  
President/ Quality Assurance

**Project Assignment:**

Quality Assurance

**Name of Firm with which associated:**

The Beta Group Engineering and Construction Services

**Years' experience with this Firm:**

27 years with The Beta Group

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

1991-1994, coursework, University of Mississippi  
1994-1995, coursework, Nicholls State University

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

N/A

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

Mr. White has served as President of Beta since 1999. In his years with the firm, he established and maintained an appropriate quality assurance program at various levels of the organization. He has performed all required inspections and tests to maintain quality control and assure compliance to specifications, codes, and standards on multiple projects. Further, Mr. White established and maintained equipment calibration procedures and records, and provided detailed inspection procedures for various projects. In his career, Mr. White served as a Field Technician with another firm. He performed all necessary inspections and tests required to maintain quality control and assure adherence to project specifications, codes, and standards. He also dispatched inspectors to requested project sites to perform numerous tasks for contractors

### TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Alex Jaramillo, P.E.
<b>Project Assignment:</b>
Geotechnical Engineer
<b>Name of Firm with which associated:</b>
The Beta Group Engineering and Construction Services
<b>Years' experience with this Firm:</b>
11 with The Beta Group 16 with other firms
<b>Education: Degree(s)/Year/Specialization:</b>
B.S./1999/Civil Engineering, University of New Orleans
<b>Active registration: Year first registered/discipline:</b>
2011, Civil Engineering, Louisiana No. 36324
<b>Other experience and qualifications relevant to the proposed Project:</b>
Mr. Jaramillo is responsible for: All geotechnical activities including performing subsoil explorations, completion of soils laboratory testing, geotechnical analyses for projects and completion of the geotechnical report; Preparation, presentation and management of scope, budget, and work plan; Review daily field inspection reports for accuracy and completeness; Monitor the soil laboratory activities; Coordinate logistics; Supervise and interpret field & laboratory testing/data for use in engineering analyses; Ensure services provided are technically satisfactory and effective; Monitor that the project goals and quality objectives are being provided; Responsible for routine communication with client during the project; Prepare and review technical reports and ensure on-time delivery.



### TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Benjamin Kempton Project Manager
<b>Project Assignment:</b>
Geotechnical Project Manager
<b>Name of Firm with which associated:</b>
The Beta Group Engineering and Construction Services
<b>Years' experience with this Firm:</b>
13 years with The Beta Group
<b>Education: Degree(s)/Year/Specialization:</b>
N/A
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
Mr. Kempton has over 13 years of experience in the Geotechnical Investigation field. In his time at The Beta Group, he has served as the Geotechnical Project Manager and is responsible for the following: all Geotechnical activities including performing subsoil explorations, preparation, presentation and management of scope, budgets and work plan, coordinating logistics such as staffing and sub-consultants, ensuring services provided are technically satisfactory and effective, monitor that project goals and objectives are being provided, routine communication with clients during duration of projects, supervise, train, and mentor personnel in company procedures, prepare technical reports and ensure on-time delivery of the reports, troubleshoot project issues and conflicts.

### TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b> Hannah Jenkins, E.I. Project Engineer
<b>Project Assignment:</b> Project Engineer
<b>Name of Firm with which associated:</b> The Beta Group Engineering and Construction Services
<b>Years' experience with this Firm:</b> 3 years with The Beta Group
<b>Education: Degree(s)/Year/Specialization:</b> B.S./2022/Civil Engineering, University of New Orleans
<b>Active registration: Year first registered/discipline:</b> 2022, Civil Engineering, Louisiana No. 0035175
<b>Other experience and qualifications relevant to the proposed Project:</b> Ms. Jenkins has worked as a Geotechnical Engineer since May of 2022 after completing her Internship which began September 2021. In her time at The Beta Group she performs analyses including, but not limited to Deep Foundation Design, Lateral Pile Analyses, Pavement Design, Seepage Analyses, Settlement Analyses, Sheet Pile Analyses, Slope Stability, Time Rate Analyses. She has worked with a variety of clients to perform analyses under the respective standards and regulations required at State and Local levels. She also writes proposals, fee schedules, and reports to be delivered to clients. To prepare reports and perform various analyses, she has gained experience with gINT and other geotechnical programs. She also has hands-on experience testing materials in the Materials Testing Lab and logging soil samples in the field.

**TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Edward Lazier
<b>Project Assignment:</b>
Senior Driller
<b>Name of Firm with which associated:</b>
The Beta Group Engineering and Construction Services
<b>Years' experience with this Firm:</b>
11 with The Beta Group 9 with other firms
<b>Education: Degree(s)/Year/Specialization:</b>
N/A
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
Mr. Lazier conducts and oversees the site investigation/ geotechnical drilling. He also maintains a water well contractor's license through the Louisiana Department of Energy and Natural Resources. Mr. Lazier has overseen drilling operations for various projects including roadways, marshes, and wooded areas.

## 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.**

<b>PROJECT NO. 1</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Proposed Sylvia Estates Pump Station Adjacent to Rue Terre Aux Boeufs &amp; HWY. 46 (Violet, Louisiana)</p> <p>Meyer Engineers, Ltd. 4937 Hearst St. Suite 1B Metairie, LA 70001</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, earthwork, and quality control measures. The drill crew took two undisturbed soil borings to 100ft below the surface. Samples from each bore underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. The following analyses were performed: deep foundation, pile load capacities, and settlement. Design recommendations were given for sheet pile walls, roadways, and quality control.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2023		\$17,500

<b>PROJECT NO. 2</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Proposed Timberview Ln. Sewer Pump Station (Harvey, LA)</p> <p>Jefferson Parish Dept. of Capital Projects 1221 Elmwood Park Blvd, Suite 906 Jefferson, LA 70123</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, earthwork, and quality control measures. The drill crew took one undisturbed soil borings to 80ft below the surface. Samples from each bore underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. The following analyses were performed: deep foundation, pile load capacities, and settlement. Design recommendations were given for pavement, roadways, and quality control.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2022		\$4,200



### TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
<p>Proposed Highway 45 Pump Station HWY. 45 (Lafitte, LA)</p> <p>ECM Consultants, Inc. 1301 Clearview Pkwy Suite 200 Metairie, LA 70001</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, earthwork, and quality control measures. The drill crew took one undisturbed soil borings to 100ft below the surface. Samples from each bore underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. The following analyses were performed: deep foundation, earth pressure, pile load capacities, and settlement. Design recommendations were given for excavation and construction quality control.</p>	
<p><b>Completion Date (Actual or estimated)</b></p> <p>2023</p>	<p><b>Estimated Cost:</b></p>	
	<p><b>Entire Project:</b></p>	<p><b>Work for which Firm was Responsible:</b></p> <p>\$20,000</p>

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Proposed Carmelite Pump Station &amp; Drainage Improvements (Jones Point, LA)</p> <p>Aims Group, Inc. 4421 Zenith St Metairie, LA 70001</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, earthwork, and quality control measures. The drill crew took one undisturbed soil borings to 100ft below the surface and four borings to a depth of 20ft.. Samples from each bore underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. The following analyses were performed: deep foundation, pile load capacities, and settlement. Design recommendations were given for sheet pile wall, backfill material, excavation, and construction quality control.</p>	
<p><b>Completion Date (Actual or estimated):</b></p> <p>2021</p>	<p><b>Estimated Cost:</b></p>	
	<p><b>Entire Project:</b></p>	<p><b>Work for which Firm was Responsible:</b></p> <p>\$8,300</p>

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Proposed Trahan Pump Station (Jones Point, LA)</p> <p>Evans-Graves Engineers, Inc. 909 Poydras St. Suite 3050 New Orleans, LA 70112</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took one undisturbed soil borings to 100ft below the surface. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. The following analyses were performed: deep foundation, pile load capacities, and settlement. Design recommendations were given for sheet pile walls and construction quality control.</p>	
<p><b>Completion Date (Actual or estimated):</b></p> <p>2022</p>	<p><b>Estimated Cost:</b></p>	
	<p><b>Entire Project:</b></p>	<p><b>Work for which Firm was Responsible:</b></p>
		<p>\$7,000</p>

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Proposed Gloria Dr. Pump Station, Generator Facility, &amp; Bulkhead (Lafitte, LA)</p> <p>BBEC, LLC. 209 Canal St. Metairie, LA 70005</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took one undisturbed soil borings to 100ft below the surface. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. The following analyses were performed: deep foundation, pile load capacities, pile driving recommendations, and settlement. Design recommendations were given for a bulkhead located next to proposed pump station and construction quality control.</p>	
<p><b>Completion Date (Actual or estimated):</b></p> <p>2021</p>	<p><b>Estimated Cost:</b></p>	
	<p><b>Entire Project:</b></p>	<p><b>Work for which Firm was Responsible:</b></p>
		<p>\$5,300</p>

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Proposed 25th St. Pumping Station and Canal Improvements (Gretna, LA)</p> <p>Burk Kleinpeter, Inc. 4176 Canal St. New Orleans, LA 70119</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took seven undisturbed soil borings to depths of 100ft., 80ft., 50ft., and 40ft. below the ground surface in the general area of the proposed projects. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. The following analyses were performed: deep foundation, pile load capacities, settlement, pile driving, earth pressure, and slope stability. Design recommendations were given for construction excavation, sheet pile wall, bedding and fill material, pavement, and construction quality control.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2024		\$21,500

<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Proposed Crown Point Drainage Improvements (Glisson Park Pump Station, Sharpe Rd. Pump Station, North Sharpe Road Drainage, and South Sharpe Road Drainage) (Crown Point, LA)</p> <p>Meyer Engineers 4937 Hearst St. Suite 1B Metairie, LA 70001</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took 8 undisturbed soil borings to depths of 100 ft. and 25 ft. below the ground surface in the general area of the proposed projects. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. The following analyses were performed: deep foundation, pile load capacities, estimated settlement, pile driving, sheet pile wall, and soil bearing capacity. Design recommendations were given for construction excavation, bedding and backfill material, and construction quality control.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020		\$19,400

## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Proposed Orange Lane Pump Station (Grand Isle, LA)</p> <p>Aims Group, Inc. 4421 Zenith St. Metairie, LA 70001</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took one undisturbed soil borings to a depth of 100 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. The following analyses were performed: deep foundation, pile load capacities, estimated settlement, pile driving, and construction excavation. Design recommendations were given for bedding and backfill material, construction quality control, and sheet pile walls.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2023		\$7,500

<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Proposed Upper LA-45 Surge Protection Pump Station (Lafitte, LA)</p> <p>Aims Group, Inc. 4421 Zenith St. Metairie, LA 70001</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took one undisturbed soil borings to a depth of 100 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. The following analyses were performed: deep foundation, pile load capacities, estimated settlement, and pile driving. Design recommendations were given for bedding and backfill material, construction excavation, bulkhead, construction quality control. Additional design analysis was performed for the construction of a flood wall on the west side of the proposed pump station.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2020		\$5,000



### TEC Professional Services Questionnaire


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

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

The Beta Group (TBG) has provided geotechnical investigations for over 10 years throughout the Greater New Orleans Area for a large variety of projects. TBG has the ability to drill soil bores in roadways, grassy fields, wooded areas, marshes, and open water. All drilling operations are conducted and supervised by experienced drillers and project manager.

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

Signature:  Print Name: Murray White  
Title: President Date: 08/ 26 /2024

**Statement of Qualifications**

**AFFIDAVIT**

**STATE OF** Louisiana

**PARISH/COUNTY OF** Jefferson

BEFORE ME, the undersigned authority, personally came and appeared: Murray  
White, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized President of The Beta Group, LLC (Entity),  
the party who submitted a Statement of Qualifications (SOQ) to Independence Park  
Drainage Pump Station (SOQ 24-029) (Briefly describe the services the SOQ  
will cover), to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

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

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

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

Affiant further said:

Debt Disclosures

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

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

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

Affiant further said:

Solicitation of Campaign Contribution Disclosures

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

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

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

Affiant further said:

Subcontractor Disclosures

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

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

**Choice B** ✓ \_\_\_\_\_ There are **NO** subcontractors which would require disclosure under Choice A of this section.

Affiant further said:

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

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



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

Murray White  
Signature of Affiant

Murray White  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME  
ON THE 22nd DAY OF August, 2009.

Cindy Garcia  
Notary Public

Cindy Garcia  
Printed Name of Notary

125967  
Notary/Bar Roll Number

My commission expires at death



Contributions made to elected officials of Jefferson Parish					
Name of Councilman Contribution Amounts Date Contributed (list singularly)		Name of Councilman Contribution Amounts Date Contributed (list singularly)			
Cynthia Lee Sheng, Parish President		Deano Bonano, Council District 2			
The Beta Group	\$1,000.00	November 27, 2018	The Beta Group	\$500.00	May 9, 2019
The Beta Group	\$1,000.00	November 3, 2019	The Beta Group	\$500.00	May 10, 2019
The Beta Group	\$1,000.00	September 30, 2019	The Beta Group	\$1,000.00	August 13, 2019
			The Beta Group	\$1,000.00	October 21, 2019
Jennifer Van Vracken, Council At-Large, Division A					
The Beta Group	\$1,000.00	February 8, 2017	The Beta Group	\$500.00	May 13, 2021
The Beta Group	\$500.00	June 14, 2017	The Beta Group	\$1,000.00	August 23, 2022
The Beta Group	\$500.00	March 19, 2021	The Beta Group	\$1,000.00	April 26, 2023
Scott Walker, Council At Large, Division B		Byron L. Lee, Council District 3			
The Beta Group	\$1,000.00	November 11, 2019	The Beta Group	\$2,500.00	March 28, 2023
The Beta Group	\$1,000.00	November 19, 2020	The Beta Group	\$2,500.00	October 19, 2019
The Beta Group	\$500.00	February 18, 2022	The Beta Group	\$2,500.00	December 16, 2019
			The Beta Group	\$1,000.00	April 24, 2023
Marion F. Edwards		September 7, 2023			
The Beta Group	\$2,500.00	July 1, 2019	The Beta Group	\$2,500.00	
The Beta Group	\$500.00	August 16, 2021	Hans Liljeber, Council District 5		
The Beta Group	\$2,000.00	April 24, 2023	The Beta Group	\$1,000.00	April 12, 2023