



STATEMENT OF QUALIFICATIONS FOR  
ROUTINE ENGINEERING SERVICES  
FOR WATER PROJECTS  
RESOLUTION NO. 138809



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

MARCH 31, 2022

## TEC Professional Services Questionnaire

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

SOQ 22-013 to Provide Routine Engineering Services for **Water Projects** – Resolution No. 138809

### 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>1</u>	Estimators	<u>1</u>	Specification Writers
<u>0</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>9</u>	Civil Engineers	<u>0</u>	Interior Designers	<u>4</u>	Project Managers
<u>11</u>	Construction Inspectors	<u>0</u>	Landscape Architects	<u>3</u>	Clerical
<u>0</u>	Ecologists	<u>1</u>	Land Surveyor	<u>8</u>	Grant/Funding Specialist
<u>0</u>	Electrical Engineers	<u>0</u>	Mechanical Engineers	<u>0</u>	Sanitary Engineers
<u>5</u>	Engineer Intern	<u>0</u>	Environmental Engineers		
<u>1</u>	Professional Land Surveyor			<u>66</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:**

All South Consulting Engineers, LLC will provide **10** key personnel to this project. With a total of **66** 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:**

18

**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**

### **Railroad Crossings Waterline Replacements** *Jefferson Parish, Louisiana*

Mr. Bonura provided supervision and oversight to a team tasked with replacing waterlines in various locations in the parish. The project consisted of design of new 12" or 8" crossings to tie into exiting lines with steel casings under railroad tracks. The design included jack and bore casing and installation of new water line with restraints. All South was responsible for the design of any conflict boxes that were required. Tracks and the Interstate required ductile Iron Castings. Water lines ranged from 12" to 24" in size and all required. A topographic survey was conducted with all utilities and servitudes within project limits. The included water lines are under both railroad restrained joints. The initial assessment was done utilizing CCTV methods.

### **Bayou Blue Waterline** *Terrebonne Parish, Louisiana*

Mr. Bonura led a team on the installation of a new 12" waterline along Bayou blue Road in Terrebonne Parish. This new 5,000' line will replace an existing 4" line operated by the Terrebonne Consolidated Water District. The project includes surveying, engineering and design, and construction management for this line.

### **Houma Water Tank Replacement** *Houma, Louisiana*

Mr. Bonura provided construction management and related services for the replacement of two 1.5 Million Gallon steel potable water tanks for Terrebonne Consolidated Water District No. 1. The existing tanks were over 40 years old, and the District wanted to replace them with new, concrete tanks.

### **Grand Isle Automated Water Meter System** *Grand Isle, Jefferson Parish, Louisiana*

Mr. Bonura provided personnel and technical resource to evaluate a system that not only includes the ability to collect meter reading data remotely, but also provide features that will help reduce billing costs, improve customer service, limit water loss and better management of its operations and assets for Jefferson Parish. His responsibilities included ensuring that All South provided all phases of project development on time and within budget. He provided clarification and presented project findings and reviewed all submittals for accuracy and implementation.

### **Dalcour Water Treatment facility** *Plaquemines Parish, Louisiana*

Mr. Bonura provided project management of the rehabilitation and repairs. The facility is capable of producing 1.0 MGD. The plant consists of a river intake structure which pipes the water to the settling tanks before entering the sand filters.

### **Boothville/Venice Water Treatment Plant** *Plaquemines Parish, Louisiana*

Mr. Bonura provided project management for the repairs and upgrades to the plant from the damage caused by Hurricane Katrina. This included modifications to meet ABFE established by FEMA, Chemical Feeds, Process Tanks & Pumps. The plant pulls water from the Mississippi River into a reservoir and can move water from the reservoir into its treatment processes.

### **East Pointe a La Hache Water Plant Rehabilitation** *Plaquemines Parish, Louisiana*

Mr. Bonura was responsible for the Program Management of this project which included the monitoring and management of the replacement of raw water intake structure & associated walkway; storage tanks, water process tanks; electrical panels.

### **Bayou Country Sport Park** *Houma, Louisiana*

Mr. Bonura lead a team tasked with the development of the Bayou Country Sport Park, a 150-acre site for a sports and recreational complex and includes roadways, parking areas, water, sewer, drainage and other recreational site improvements. This development included ball fields, soccer fields, concession stands, and other amenities.

## **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>
18
<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>Port of New Orleans Cross Connection Control Program</b></p> <p>This project included design and installation of approximately 290 backflow preventors throughout all Port of New Orleans facilities. Water systems protected by this project including both domestic water and fire protection systems. This project brought the Port of New Orleans water system into cross connection compliance with the EPA and DHH. Mr. Nielsen was the principle in charge and coordinated with all engineers working on the project and the Port of New Orleans. Mr. Nielsen also performed construction administration on the project.</p>



## **TEC Professional Services Questionnaire**

### **Crown Point to Lafitte Waterline** *Jefferson Parish, Louisiana*

Mr. Nielsen was responsible for the engineering design, construction administration, and inspection of 2.2 miles of 24" waterline, the last phase of the connection of the Jefferson Parish Water Plant to the Town of Grand Isle. The work included permitting with the LaDOTD, DEQ, USFW, and Corps of Engineers, engineering design of polyethylene pipe via direct burial, jack and bore, and directional drilling, construction administration and resident inspection of the project.

### **Hydrant and Valve Maintenance Program** *East Bank, Jefferson Parish, Louisiana*

Mr. Nielsen was responsible for the development of a program to exercise and replace failing water valves and hydrants at 150 locations. The work also included the full-time resident inspection, construction administration, and contractor management of the entire project.

### **Jefferson Parish Water Meter Reading Analysis** *Jefferson Parish, Louisiana*

Mr. Nielsen was the Principal Engineer responsible for a Parish Wide evaluation in Jefferson Parish for the installation of an Automated Water Meter System. As part of this work, Mr. Nielsen provided an update to the 2008 feasibility study to evaluate the deployment of a 2012 Advanced Metering Infrastructure (AMI) system for Jefferson Parish, LA.

All South provided a report of the different types of AMI systems and how each system functions and provided a recommendation to the Parish. The methodology used to select the best product consisted of an analysis of 10 vendors. All South evaluated these vendors for their Transmitter, Collector, Server & Software, Billing System Integration, Support Services Options and Issues and Concerns. The evaluations were tabulated with the appropriated scores, and a recommendation was submitted to the Parish. As a result of this evaluation, the Parish decided to direct its efforts to Grand Isle, alone, to test the Advanced Meter Reading Systems before moving forward with installation parish wide.

### **Grand Isle Automated Water Meter System** *Grand Isle, Jefferson Parish Louisiana*

Mr. Nielsen provided personnel and technical resource to evaluate a system that not only includes the ability to collect meter reading data remotely, but also provide features that will help reduce billing costs, improve customer service, limit water loss and better management of its operations and assets for Jefferson Parish. His responsibilities included ensuring that All South provided all phases of project development on time and within budget. He provided clarification and presented project findings and reviewed all submittals for accuracy and implementation.

The project included identifying the size, type, and condition of every meter on Grand Isle. All South created a database that included all meters and the plan for installing the automation, most of which involved adding the automation to the existing meters. During the evaluation phase of the project, All South looked at several types of AMI systems and providers including AMCO/Itron, Elster Evolution, Datamatic Mosale, Sensus Flex Net, Neptune/Hexagram Badger Orion and Badger Galaxy. All South prepared bid documents for the contractor to install the AMI system. The All South Project Manager, Lead Engineer, and Resident Project Representative attended a training session held by Itron on the installation and setup of these automated meters. All South performed Resident Inspection and Construction Management duties for this project. The results of this project in Grand Isle have shown proven efficiency and cost savings associated with a more advanced system. Based on these results, Jefferson Parish seeks to expand this metering technology parish wide.

### **Jefferson Parish AMI and Billing System – Parish Wide** *Jefferson Parish, Louisiana*

Mr. Nielsen provided project management and oversight for an evaluation of an Automated Metering and Billing System for Water Services in Jefferson Parish as part of a team with Digital Engineering and Imaging, Inc. Based on the results of this study, All South was able to provide recommendations to upgrade Jefferson Parish's current water meter system to an Advanced Metering Infrastructure (AMI), which includes the ability to collect meter readings remotely and also provide features that can aid in reduced billings expenses, improvements to customer service and improvements to meter reading management operations. Mr. Nielsen and the All South team looked into the Water Department's billing system and identified systems that would incorporate into the existing system, as well as new standalone systems. Based on the analysis utilizing the meter data compiled and water consumption, it is estimated that the Parish will see increased revenue from the automated meters of approximately \$161,545.37 in water revenue and \$247,386.18 in additional sewer revenue since the sewer rates are based on water consumption.

## **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>
16
<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 7 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>Grand Isle Water Itron Water Meter Installation – Jefferson Parish Water Department</b></p> <p>Mr. Bourg provided design and administration oversight for the construction of new Itron sensors (automated readers) and water meters to over 2400 residential and commercial service lines on Grand Isle. This project involved project management, resident inspection, and quality control services for Jefferson Parish. The project consisted of installing RF transmitters attached to each water meter in Grand Isle. A preliminary trial was conducted to test the viability of the RF transmitters in a coastal environment. The goal was to limit the need for traditional meter reading practices. Using the transmitters coupled with a handheld scanner, a Jefferson Parish employee could drive down any street and collect the meter data without having to exit the vehicle. This method was tested successfully for over a year with a small portion of meters installed throughout Grand Isle. Once the trial phase was completed the Parish issued a request for bid for the larger installation encompassing the entirety of Grand Isle.</p>



## **TEC Professional Services Questionnaire**

### **Grand Isle Water System Improvements** *Jefferson Parish, Louisiana*

Mr. Bourg provided design and administration oversight for the construction of new chlorine and ammonia feed, chemical feed buildings, and process equipment at both the East Island ground storage tank and at the Cheniere ground storage tank. This project involved construction of a new booster pump station centrally located on Grand Isle to maintain pressure in the line during periods of high use and to maintain pressure in the line while filling the Cheniere ground storage tank from the East Island pump station.

### **Grand Isle Water Valve Platform Evaluation** *Jefferson Parish, Louisiana*

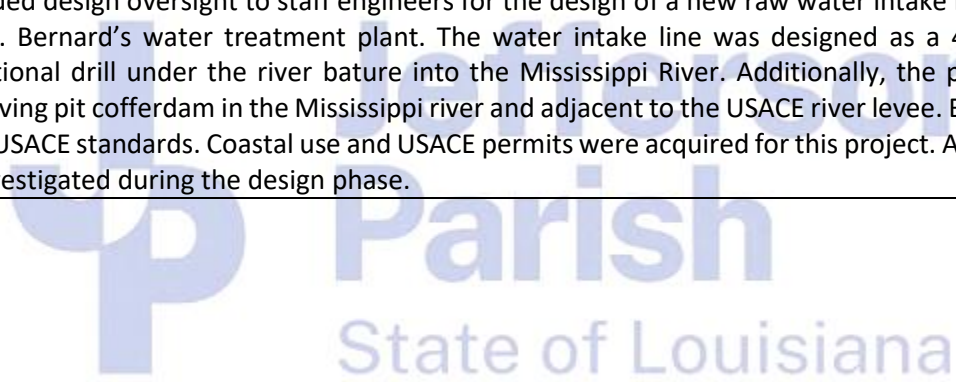
Mr. Bourg provided design oversight to staff engineers for the evaluation of 27 existing valve platforms between Lafitte and Grand Isle. Structural, mechanical, and subsurface evaluation was conducted to develop a repair scope to get these structures back to original installed condition. Alternative repair scopes / phasing was investigated to provide the Parish options in regarding to their budget.

### **St. Bernard Waterline Replacement 2.2** *St. Bernard Parish, Louisiana*

Mr. Bourg provided design oversight to staff engineers for the design of a 3 new 8" diameter water lines in St. Bernard Parish. This project consisted of design of over 10,000 linear feet of 8" PVC C-900 lines on 5 different streets. It included abandonment of the existing mains and service connections. The new water was off set to minimize the disturbance of the adjacent new roadways and to avoid other utilities. Additionally, the project included the directionally drilling of ½ of the service lines under the existing roadways.

### **St. Bernard Raw Water Intake** *St. Bernard Parish, Louisiana*

Mr. Bourg provided design oversight to staff engineers for the design of a new raw water intake line to the Mississippi River to feed St. Bernard's water treatment plant. The water intake line was designed as a 48" HDPE 1000' long horizontal directional drill under the river bature into the Mississippi River. Additionally, the project consisted of a drilling and receiving pit cofferdam in the Mississippi river and adjacent to the USACE river levee. Both cofferdams were designed to the USACE standards. Coastal use and USACE permits were acquired for this project. Alternative installation options were investigated during the design phase.

The logo for Jefferson Parish, State of Louisiana, is displayed in a light blue, semi-transparent watermark. It features a large, stylized letter 'P' on the left. To the right of the 'P', the word 'Jefferson' is written in a large, serif font, with 'Parish' in a smaller, sans-serif font directly below it. At the bottom, the words 'State of Louisiana' are written in a smaller, sans-serif font.

## **TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Jarret Bauer, 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>
15
<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 Loyola University in New Orleans and Louisiana State University, achieving a B.S. in Civil Engineering and a B.A. in Business Administration from Loyola University in May 2005. Mr. Bauer has a distinguished career that spans over sixteen years of infrastructure design, construction administration, and project management experience primarily in the fields of transportation and facilities (residential and commercial). 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:</p> <p><b>Jefferson Parish Automated Metering and Billing System Evaluation for Water Service</b> <i>Jefferson Parish, Louisiana</i> Mr. Bauer was responsible for providing an evaluation of an Automated Metering and Billing System for Water Services in Jefferson Parish. He analyzed data provided by the owner and determined consumption lost relevant to meter sizes and age. Based on the results of this study, Mr. Bauer was able to provide recommendations to upgrade Jefferson Parish's current water meter system to an Advanced Metering Infrastructure (AMI), which includes the ability to collect meter readings remotely and also provide features that can aid in reduced billings expenses, improvements to customer service and improvements to meter reading management operations.</p> <p><b>Parish-Wide Water Infrastructure Repairs and Replacements, Plaquemines Parish, Louisiana</b> Mr. Bauer provided design and construction oversight and grant management for Parish-wide water infrastructure</p>

## **TEC Professional Services Questionnaire**

repairs completed after Hurricane Katrina. These repairs included water line point repairs, valve repairs, and hydrant repairs. Mr. Bauer was required to review repair purchase orders accuracy based on required field repairs as part of the grant closeout.

### **Blahut Road Water System Improvements (Phase II), Livingston Parish, Louisiana**

Mr. Bauer assisted with site specific data collection and provided project oversight on the project. Mr. Bauer oversaw design of the project, which included a waterline extension for approximately 2900 feet. The project was planned and designed in a manner to allow for future connectivity as additional grant funding allows.

### **Davant Water Tank, Plaquemines Parish, Louisiana**

Mr. Bauer assisted managing the design, construction, and inspection program of a 30,000-gallon water tank elevated 30' above grade to supply water pressure to a rural community center's fire sprinkler system. Mr. Bauer worked daily with construction inspection personnel to ensure the tank construction and operation was coordinated with opening of the facility. Mr. Bauer provided direct coordination with Owner on the project.

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

Mr. Bauer provided project management of the repair of the Diamond Booster Station, including replacement of pump motors and associated waterlines, the relocation of the Motor Control Center ("MCC") electrical equipment to an exterior, elevated building on concrete piles for future flood protection, and the replacement of SCADA capabilities to the station. The project includes recovery grant and hazard mitigation grant elements for which Mr. Bauer provided all management efforts.

### **Port Eads Marina Water Tank, Plaquemines Parish, Louisiana**

Mr. Bauer assisted with management of the design, construction, and inspection program of a 60,000-gallon water tank elevated 11' on a concrete platform on South Pass just miles from the mouth of the Mississippi River. Mr. Bauer provided onsite presence during month inspections and daily interaction with the contractor to ensure scheduling and project efficiencies. Mr. Bauer also directly handled the grant process.

### **Port Sulphur Water Treatment Plant, Plaquemines Parish, Louisiana**

Mr. Bauer provided oversight of design activities associated with the Port Sulphur Water Treatment Plant project. This site was converted into a water booster station with residual chlorine treatment at the site. He worked with the Owner to ensure needs and requirements were met to achieve DHH water quality standards of design.

### **CIS Gray Campus Gray, Louisiana**

Mr. Bauer provided engineering services for the Cardiovascular Institute of the South, assisting in the master planning phase of a 24-acre tract medical campus. The scope included coordinating with multiple government agencies and utility providers to ensure compliance with sewer, water, drainage, gas, & concrete roadway regulations and zoning requirements.

### **SUNO Site Restoration, New Orleans, Louisiana**

Mr. Bauer was the engineer in charge of all project design and coordination. He coordinated the efforts of several design team members, as well as the interactions of 3 adjacent construction projects, and ongoing school operations within the 11-acre project site. Mr. Bauer's design included the analysis of existing sewer, water, and drainage lines ranging in size from 8" to 42" including RCP, RCPA, PVC, and DI pipe materials. Design also included the full replacement of damage streets, sidewalks, and parking lots to facilitate efficient campus pedestrian flow, as well as site work and future planning for the 11-acre property. Mr. Bauer completed detailed drainage and sewer flow calculations to determine requirements onsite to accommodate proposed site improvements. He is intimately familiar with the efforts required to coordinate ongoing utility operations in the setting of a current school session.

## **TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Jack Hingle, P.E. Senior Civil Engineer
<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>
7
<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 joined All South Consulting Engineers in 2014, bringing over 30 years of engineering experience. He has extensive drainage, sewage, water, and roadway experience performing such design for local parishes and the LaDOTD.</p> <p><b>St. Bernard Parish DWRLF Water Replacement Project 2.2 St. Bernard Parish, Louisiana</b> This project consists of the design and construction/installation of new 8" diameter water distribution lines and abandonment of existing 2' through 6" diameter water lines along 6 residential streets (Lebeau St., Alexander Ave., Schnell Dr., Benjamin St., Rose St. and Karl Dr.) of an Arabi neighborhood. Mr. Hingle through the All South inhouse staff is/was responsible for the survey coordination, drafting and CAD coordination, and along with coordination with the St. Bernard Parish project engineer manager for development of the plans including plan-profile sheets, typical sections, quantities, special details, traffic plans, cost estimation and project specifications through bid and contract award phase to contractor and construction management throughout until final closeout and acceptance all in conjunction with the St. Bernard Parish Department of Public Works.</p> <p><b>St. Bernard Parish Water Treatment Plant Raw Water Intake Retrofit Chalmette, Louisiana</b> This project involved the development, design, layout and final preparation of engineering plans necessary for the replacement of a damaged/obsolete raw water intake supply pipe with a larger pipe (48" HDPE) from the Mississippi River to the St. Bernard water treatment plant by Horizontal Directional Drill (HDD) and all necessary connections to make operable. Mr. Hingle has coordinated meetings with surveyor, USACE, several drill contractors, geotechnical consultant, St. Bernard Parish Public Works officials, etc. to gather sufficient information to develop final plans and details, cost estimate and specifications and coordinate with CAD staff to ultimately bid/construct project.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Gavin Gillen, 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>
6
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science, Civil Engineering, 2006
<b>Active registration: Year first registered/discipline:</b>
2011, Civil, Louisiana License No. 35969
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Gavin Gillen, PE graduated from the University of New Orleans with a Bachelor of Science degree in Civil Engineering in 2006. He has over ten years of experience in civil engineering and design. Mr. Gillen has extensive experience in the local roadway systems.</p> <p><b>Blahut Road Water System Improvements (Phase II), Livingston Parish, Louisiana</b> Mr. Gillen was the design engineer for this project which consisted of extending a waterline approximately 2900 feet and included placing a water line under the roadway by boring methods, installing fire hydrants, installing water meter boxes and valves as necessary, drainage ditch grading, conducting water sampling, and terminating the water line to allow for future expansion.</p> <p><b>West Esplanade @ Canal 10 Drainage Improvements Jefferson Parish, Louisiana</b> This project will improve drainage to West Esplanade Ave at Canal 10. The project includes an upgrade to the existing culvert crossing from a 72-inch RCPA to a double 6-foot by 6-foot box culvert. Mr. Gillen is assisting with the design of this project and coordinating subsurface investigations for the existing waterline.</p> <p><b>Westbank Roadway Improvements Jefferson Parish, Louisiana</b> Mr. Gillen serves on the program management team, providing technical review of construction documents, correspondence and coordination with design firms for Parish supplied documents, and assisting contract administration during construction. Mr. Gillen currently has 15 projects assigned to him that currently span between just starting (preliminary design phase) to almost finishing (construction phase). The contract administration work requires coordination of site meetings, review of pay requests, and review of contract.</p>

## **TEC Professional Services Questionnaire**

<b>PROFESSIONAL IN CHARGE OF PROJECT:</b>
<b>Name &amp; Title:</b>
Jack Godbery, E.I. <i>Engineering Intern</i>
<b>Project Assignment:</b>
Engineer Intern
<b>Name of Firm with which associated:</b>
All South Consulting Engineers, LLC
<b>Years' experience with this Firm:</b>
1.5
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science, Civil Engineering, 2020
<b>Active registration: Year first registered/discipline:</b>
2020, Civil Engineer Intern, Louisiana License No. 34612
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Jack Godbery is a graduate of Louisiana Tech University, achieving a B.S. in Civil Engineering. While earning his undergraduate degree, Mr. Godbery performed an internship with G.E.C. Inc. Over the course of this internship he gained experience in transportation design and drafting.</p> <p>Since joining All South in July of 2020, Mr. Godbery has been involved in a variety of projects as well as quickly earning his licensure as an Engineering Intern. Mr. Godbery has assisted in design and construction administration of drainage, marsh creation, and dredging projects. His experience includes the following:</p> <p><b>Haynes Settlement Waterline Extension, Blahut Road Phase III: Livingston Parish, LA</b></p> <p>This project consisted of extending a waterline approximately 2,400 feet. The extension included boring a water line under the roadway in 6 different locations to connect houses to the system installation of 2 fire hydrants, installation of water meter boxes and valves as necessary, grading of drainage ditch after the water line was installed under the ditch, conducting water sampling, and terminating the line to allow for future expansion. Mr. Godbery assisted in professional design services, was named the project's construction administrator, and regularly inspected the project. Construction Administration duties included preparation of construction documents including plans and specifications, assisting the Parish with bidding, and oversight of construction activities and testing.</p>



## **TEC Professional Services Questionnaire**

<b>PROFESSIONAL IN CHARGE OF PROJECT:</b>
<b>Name &amp; Title:</b>
John Teegarden, P.L.S. <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>
7
<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>Cross Connection Control Project New Orleans, Louisiana</b></p> <p>Mr. Teegarden was responsible for performing topographic surveys of 18 sites located at Port of New Orleans facilities along the Mississippi River. These site surveys will include the location of utilities, roadways and pavement and any other improvements that will impact the design of back flow prevention devices. Prepare survey plats to be used for the design of the back-flow prevention devices. Project was completed early and under the budget amount.</p>

## **TEC Professional Services Questionnaire**

### **Bayou Country Sports Complex *Houma, Louisiana***

Mr. Teegarden provided topographic survey services for several aspects of the Bayou Country Sport Park Development in Terrebonne Parish. This 140-acre development includes baseball, softball, soccer, and other amenities. Mr. Teegarden provided survey services to support the development of the drainage, water, sewer, and roadway improvements, and also performed significant construction layout services.

### **Avoca Island *St. Mary Parish, Louisiana***

Mr. Teegarden conducted a bathymetric and topographic survey of a 1000-acre tract in and around Avoca Island, a privately-owned tract in St. Mary Parish. This tract consisted of a large shallow open water area just off the Atchafalaya River, as well as over 200 acres of upland topography. Avoca required this information to plan for the creation of a large marsh restoration project on this tract, as well as other restoration and mitigation activities. Mr. Teegarden and his team collected survey information using standard GPS technology, as well as a remote operated Z boat for the shallow ponds.

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

Mr. Teegarden supervised multiple field crews providing topographic surveys for street, water, sewer, and drainage system repairs from damage caused by Hurricane Katrina. This project included +/- 75,600 ft of streets.

### **DPW Capital Improvements Program – Viavant–Lake Catherine *New Orleans, Louisiana***

Mr. Teegarden supervised and provided instructions to survey crews performing topographic surveys for road, water, and drainage system repairs as a result of Hurricane Katrina.

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

Mr. Teegarden and his crew conducted a topographic survey for Breakwater Drive in New Orleans. He was tasked with identifying the scope of damaged elements inside the footprint of Breakwater Drive, while highlighting the facility's history and cultural significance, as well as its pre-storm conditions and full description. From this survey, All South identified additional facilities not directly within the footprint of the breakwater but that depend on it for protection (includes marinas, restaurants/vendors, housing, yacht clubs, a lighthouse, fishing piers, and more) and were able to provide cost estimates for the demolition and repairs of the damaged elements in the area.

### **Reynes Street Topographic Survey, *New Orleans, Louisiana***

Mr. Teegarden and his staff provided a topographic survey of Reynes Street from South Claiborne Avenue to Florida Avenue in the City of New Orleans. This survey extended from right of way to right of way and was delivered on plan and profile sheets showing drainage and sewer and existing roadway conditions.

### **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.

### **Reach K and L Mitigation *Lafourche Parish, Louisiana***

Mr. Teegarden conducted both bathymetric and topographic survey of the Reach K Mitigation area. This 40-acre marsh creation area consists of a network of oilfield canals and shallow ponds. This survey also required the location of various underground utilities and pipelines. Mr. Teegarden and his team collected this survey information using standard GPS technology, as well as a remote operated Z boat for the shallow ponds.

## **TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Taylor Casteigne, LSI Land Surveyor Intern, Survey Supervisor
<b>Project Assignment:</b>
Land Surveyor Intern
<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 / 2019 / Geomatics
<b>Active registration: Year first registered/discipline:</b>
2021/ Land Surveyor Intern/ Louisiana License No. 0000714
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Casteigne is a graduate from Nicholls State University with a degree in Geomatics. After graduation, he served as party chief and AutoCAD draftsman doing a variety of surveys for both roadways and pump stations in the state of Louisiana. He is well versed in the latest in surveying equipment technology to ensure a fast and accurate project survey.</p> <p><b>Bayou Barataria Waterline Crossing Lafitte, Louisiana</b> Mr. Casteigne performed full topographic and hydrographic survey services including data collection, data processing, data management, CAD, and project budget oversight. This includes 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. With this surface, Plan and Profile sheets could be generated along with cross sections across Bayou Barataria. This project was done at the request of Jefferson Parish for the installation of a new waterline running along Rosethourne Rd then crossing Bayou Barataria.</p> <p><b>Bayou Country Sports Parkway Waterline Extension Houma, Louisiana</b> Mr. Casteigne performed full topographic survey and CAD services in accordance with department standards for the design of a new water line being placed within a 5ft servitude from the edge of the right of way lines of Bayou Country Sports Parkway and Valhi Blvd. 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 the data 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 budget for the project was tracked daily ensuring</p>

## **TEC Professional Services Questionnaire**

that the survey was completed on time and under budget. This included placing LA One Call tickets, giving field crews the list of tasks needed to complete the project, and ensuring the project was completed in an orderly fashion.

### **Gert Town Waterline Replacement *New Orleans, Louisiana***

Mr. Casteigne performed full topographic survey and CAD services for the purpose of replacing waterlines and street improvements including all subsurface utilities in accordance with department standards. 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 the data 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 budget for the project was tracked daily ensuring that the survey was completed on time and under budget. This included placing LA One Call tickets, giving field crews the list of tasks needed to complete the project, and ensuring the project was completed in an orderly fashion.

### **Avoca Island Topographic Survey *St. Mary Parish, Louisiana***

Mr. Casteigne performed full survey services including data collection, data processing, data management, CAD, and project budget oversight. This includes 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. With this surface cross sections are generated over the required areas based on the scope. This project was done at the request of Avoca Island for drainage improvements to be made on the island.

### **RR203 – RR03 Gentilly Terrace South Group K *New Orleans, Louisiana***

Mr. Casteigne performed full topographic survey services for the purpose for the design and construction of street improvements including all subsurface utilities in accordance with department standards. 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 the data 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 budget for the project was tracked daily ensuring that the survey was completed on time and under budget. This included placing LA One Call tickets, giving field crews the list of tasks needed to complete the project, and ensuring the project was completed in an orderly fashion.

### **RR053 – Gentilly Terrace Group C *New Orleans, Louisiana***

Mr. Casteigne was part of a field crew responsible for providing topographic surveys for full reconstruction in Gentilly Terrace area. These surveys were prepared in accordance with the DPW 2015 Road Design Manual.

### **FEMA Recovery Roads Program (Pines Village) *New Orleans, Louisiana***

Mr. Casteigne was part of a field crew responsible for providing topographic surveys for street, water, sewer, and drainage system repairs from damage caused by Hurricane Katrina. This project included +/- 75,600 ft of streets.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Jackson Sorrells Senior CADD Technician
<b>Project Assignment:</b>
CADD Technician III/ 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>
Bachelor of Science, Organizational Leadership, Land Surveying Studies, Ongoing Associate of Applied Science / 2017/ Civil Construction and Engineering Technology Associate of Applied Science / 2011/ Drafting and Design
<b>Active registration: Year first registered/discipline:</b>
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Sorrells joined the All South team after 8 years in the Land Surveying industry. 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. Sorrells 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. His current and previous projects include, but not limited to:</p> <p><b>St. Bernard Waterlines Project 2.2 (LeBeau, Alexander, Schnell, Benjamin, Rose, &amp; Karl) St. Bernard Parish, Louisiana</b> Mr. Sorrells prepared plan and profile surveys for multiple streets in the St. Bernard area, for the replacement of waterlines. Included streets in this project were Lebeau St (2630'), Alexander Ave. (3660'), Schnell Dr. (4145'), Benjamin St. (2325'), Rose St. (1534'), and Karl Dr. (1160'). Also, included were centerline of street profiles showing the depths and inverts of all water, drainage and sewer utilities along the surveyed routes.</p> <p><b>Raw Water Intake Replacement St. Bernard Parish, Louisiana</b> The project involved the upgrading of an existing 48" concrete line and installing new 48" HDPE piping in river section and all tie-ins. It also included the replacement and improvement of abandoned river intake supply lines to pump station. Mr. Sorrells provided drafting support in the form of project plans, pipe details, pipe supports, survey drawings of site, revise and review plans for engineer.</p> <p><b>Gray Campus Development - CIS Gray, Louisiana</b></p>



## **TEC Professional Services Questionnaire**

Mr. Sorrells prepared the design plans for the construction of a Cardiovascular Institute of the South, Terrebonne Parish. The plans included new site plan, pavement plan, drainage and grading plan, sewer and water plans and utility plan. Also included in the plans were the topographic survey and a new retention pond design. Mr. Sorrells coordinated with the project engineer and sub-contractors to conform and finalize the plans.

### **DPW Capital Improvements Program – Lake Vista New Orleans, Louisiana**

Mr. Sorrells 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. Right-of-way lines, apparent lot lines, 3D surface, and cross sections were also included. Mr. Sorrells 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.

### **Reynes Street, Ninth Ward (N. Claiborne to Florida Ave. ±4330 LF) New Orleans, Louisiana**

Mr. Sorrells prepared a typical route topographic survey, showing street elevations, plan and profile. Included in these drawings are 3D surfaces, water, drainage and sewer pipe networks, and AutoCAD Civil 3D objects. Reynes St. was a typical street survey including the underground utilities represented in the Civil 3D profile. The most challenging part of Reynes was defining the edge of pavement due to overgrowth and erosion.

### **DPW Capital Improvements Program – Viavant – Lake Catherine – Venetian Isles New Orleans, Louisiana**

Mr. Sorrells prepared plan surveys for multiple streets in the Viavant-Lake Catherine area. 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. Included in this area were Catherine St, Victoria St, Reynes St., and America St. This project was approximately 1800' and included invert depths for the drainage, sewerage and water underground utilities.

### **DPW Capital Improvements Program – Audubon, Black Pearl, East Carrollton, Uptown, West Riverside, Pines Village New Orleans, Louisiana**

Mr. Sorrells prepared survey baseline drawings, plan sheets and profiles depicting the underground utilities for the streets in the Uptown 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.

### **DPW Capital Improvements Program – Uptown Streets, Lakeview East/West, Lakeshore, Viavant, Fairgrounds, Navarre, Lakewood, Mid City East/West, West End, Broadmoor, St. Claude New Orleans, LA**

Mr. Sorrells has been heavily involved in the entire Orleans Parish Street Rehabilitation Projects. From Lakeview to Venetian Isles. Mr. Sorrells prepared baseline maps, project work aerials and coordinated with approximately 12 field crews. These projects included topographic surveys, subsurface drainage, sewerage and water profiles. Providing up to date field information was key in completing these jobs in a timely manner. Mr. Sorrells met with clients and engineers to obtain information vital to completing these projects.



## 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>Grand Isle Water System Analysis and Water Meter Project</b>  <i>Jefferson Parish, Louisiana</i>                      Jefferson Parish Government                      Water Department                      Thomas West, Director                      1221 Elmwood Park Blvd.                      Jefferson, Louisiana 70123                      (504) 736-6500</p>	<p>All South was selected to provide evaluation, system design, construction documents, bid oversight and construction management for to the Grand Isle Water system. This project involved several locations 4 water plant locations in Grand Isle, LA. The overall project was broken into tasks and each was completed as funding was authorized by owner, Jefferson Parish.</p> <p>This project consisted of the following tasks:</p> <ul style="list-style-type: none"> <li>Surveying existing water distribution system</li> <li>Locating existing meters and residential taps</li> <li>Installing new chlorine treatment systems at four locations along water distribution site</li> <li>Making site modifications - All South provided recommendations as well as cost estimates of each</li> <li>Evaluating and improving the existing Grand Isle Water Treatment and Distribution System</li> </ul> <p>All South was awarded a second task for this project. Our firm is responsible for the Design and Construction Administration for installation of an Automated Metering System in Grand Isle. This system conforms to recommendations made by a Parish wide Automated Meter Reading Study prepared by All South Consulting Engineers, LLC and the Director of the Jefferson Parish Department of Water.</p> <p>The Jefferson Parish Water Department was trying to reduce costs and improve efficiency by implementing automated water systems throughout Jefferson parish. The Parish asked All South to assist in planning and installing an automated water system on Grand Isle, a remote beachfront community in the Parish.</p> <p>The Parish first asked All South to assess and inventory the existing meters on the island. The Parish had some data on the existing meters, which All South used to ground truth that information. The Parish decided to provide the water meters and used the battery-operated units. The Parish decided to use a drive by meter reading system and chose a labor/installation contract for their system.</p> <p>Based on the field data collection, All South prepared the necessary plans and specifications for the installation of over 2400 meters in Grand Isle, and this project was successfully completed in 2016. All South provided civil and structural design including construction admin and resident inspection for this project.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
10/2017	\$3,631,316	\$631,316

## 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>Grand Isle Waterline Platform Evaluation and Repairs</b>  <i>Jefferson Parish, Louisiana</i>                      Jefferson Parish Government                      1221 Elmwood Park Blvd.                      Jefferson, Louisiana 70123                      504-736-6661</p>	<p>All South Consulting Engineers, LLC was selected to perform structural inspections of the twenty-seven valve platforms located along the Jefferson Parish submerged waterline which runs from a Lafitte Water Storage Tank to the Grand Isle Water Treatment Plant. The inspections included a structural assessment of the entire platform both above and below the water surface to identify and tabulate any structural deficiencies and make repair recommendations based upon the deficiencies recorded.</p> <p>All South has conducted these services following several storms that have affected Grand Isle, included Hurricane Ida.</p> <p>All South accessed each platform by boat and recorded damages. The platforms and waterline components were visually inspected from each side and documented damages via photographs and field notes. This included dolphin structures, structural pilings, vertical 6" x 12" timber supports, horizontal and diagonal supports, deck, fencing, waterline bracing, hardware and fasteners, tees, gate valves, and air release valves. Damages to the waterline were recorded using a simple upstream/downstream convention with upstream being the origin source in Jean Lafitte and downstream being towards Grand Isle.</p> <p>All South is conducting the following services:</p> <ul style="list-style-type: none"> <li>Review of Temporary Repairs</li> <li>Permit Exploration</li> <li>Field Survey</li> <li>Hazard Mitigation Investigation</li> <li>Re-design Incorporating Storm Repairs</li> </ul>					
<b>Completion Date (Actual or estimated):</b>	<div style="text-align: center;"><b>Estimated Cost:</b></div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;"><b>Entire Project:</b></th> <th style="width: 50%; padding: 5px;"><b>Work for which Firm was Responsible:</b></th> </tr> <tr> <td style="text-align: center; padding: 5px;">Ongoing – TBD</td> <td style="text-align: center; padding: 5px;"> <div style="display: flex;"> <div style="width: 50%;">\$9,000,000 est.</div> <div style="width: 50%;">\$990,000 est.</div> </div> </td> </tr> </table>		<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>	Ongoing – TBD	<div style="display: flex;"> <div style="width: 50%;">\$9,000,000 est.</div> <div style="width: 50%;">\$990,000 est.</div> </div>
<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>					
Ongoing – TBD	<div style="display: flex;"> <div style="width: 50%;">\$9,000,000 est.</div> <div style="width: 50%;">\$990,000 est.</div> </div>					



## 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>St. Bernard DWRLF Waterline Replacement Project 2.2</b>  <i>Arabi, Louisiana</i></p> <p>St. Bernard Parish Government            Department of Public Works            Donald Bourgeois, Jr., Recovery            1125 E. St. Bernard Hwy.            Chalmette, LA 70043            (504) 278-4313</p>	<p>The St. Bernard Waterline Project 2.2 scope involves performing topographic survey, design, development and implementation of plans and specifications for the construction/replacement of obsolete 6" diameter C.I. and/or AC water lines with new 8" diameter PVC/ductile iron water lines along the limits of LeBeau St., Alexander Ave., Schnell Dr., Benjamin St., Rose St. and Karl Dr. in Arabi, St. Bernard Parish.</p> <p>Following the topographic survey phase, the next task involved depicting the proposed 8" new water lines in the desired locations along those streets on engineering plans with proposed tie into existing lines at the end and intermediate crossing intersections. This entailed coordination with existing private utilities (gas, electric, telephone, etc.) in the ground and identifying any necessary relocations or conflicts with the new water line path between parish sewer and water utilities and resolution thereof to finalize the location and identify any existing crossing drainage structures that would require conflict box structure or relocation.</p> <p>The plans included providing new conduit sleeves by trenchless drilling method across existing streets to allow for easier connection of the new water service lines between each house system and new main line. Plans also included replacement of existing sidewalks, driveways, incidental pavement, or street pavement, etc. where necessary, along with all quantities, permitting and construction cost estimates to accommodate the new water line installation as required. This was done in conjunction with St. Bernard Parish engineering criteria and Digital Engineering to the public bid phase and construction management.</p>	
<div style="text-align: center;">  </div>		
	<p style="text-align: center;"><b>Estimated Cost:</b></p>	
	<p style="text-align: center;"><b>Entire Project:</b></p>	<p style="text-align: center;"><b>Work for which Firm was Responsible:</b></p>
<p>10/2020</p>	<p>\$2,708,841</p>	<p>\$312,784</p>

## 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>Bayou Blue Waterline Replacement</b>  <i>Terrebonne Parish, Louisiana</i></p> <p>Terrebonne Consolidated Waterworks  District No. 1  Mike Sobert  8814 East Main Street  Houma, Louisiana 70360  (985) 879-2495</p>	<p>The Terrebonne Consolidated Waterworks District No. 1 is working to improve and replace the aging water system throughout the Parish. As part of that effort, the District asked All South to assist in the planning, surveying, design, and construction management of a 12" waterline along lower Bayou Blue. This area is currently served by a 6" line that is over 40 years old.</p> <p>The District asked All South to plan the new line to run along the same ROW as the existing line, which is difficult because of all the residential and commercial improvements along this route since the first line was built. All South also assisted the District in reaching out to those property owners to explain the project, and to minimize impacts to each individual property.</p> <p>The improvements consist of 14,300 linear feet of 12" C-900 PVC waterline, 100 linear feet of 8" C-900 PVC waterline, 50 linear feet of 4" C-900 PVC waterline, 100 linear feet of 12" HDPE horizontal direction drilling, various driveway and roadway removal &amp; replacement, fittings and appurtenances.</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>
05/2019	\$1,447,681	\$ 252,681



## 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>St. Bernard Raw Water Intake</b>  <i>St. Bernard Parish, Louisiana</i></p> <p>St. Bernard Parish Government            Department of Public Works            Donald Bourgeois, Jr., Recovery            1125 E. St. Bernard Hwy.            Chalmette, LA 70043            (504) 278-4313</p>	<p>The St. Bernard Parish Government has been drawing raw water from the Mississippi River for many years, using aging infrastructure. The raw water intake in the river, just below Chalmette, was in a dilapidated condition, and required replacement. However, this is the only intake for the Parish, and therefore any replacement must be done in such a way that the existing intake remain in service while the new intake was constructed. The Parish asked All South for help.</p> <p>All South developed a plan to replace the existing intake in the River with a new one, immediately upriver from the old one. All South conducted the necessary geotechnical investigations, as well as the bathymetric survey work in the Mississippi River, to properly plan this project. All South also acquired the necessary permit from the US Army Corps of Engineers, which was no small task considering this project called for structures in the main channel of the river.</p> <p>The project will include direction drilling of a 48" pipe to feed the Parish water plant, protective structures in the river at the end point of the intake, and the necessary tie ins at the other water plant infrastructure. All South provided engineering, design, survey, and construction management for this project.</p> <div style="text-align: center; margin-top: 20px;">  </div>									
<b>Completion Date (Actual or estimated):</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center; padding: 5px;"><b>Estimated Cost:</b></th> </tr> <tr> <th style="width: 50%; padding: 5px; text-align: center;"><b>Entire Project:</b></th> <th style="width: 50%; padding: 5px; text-align: center;"><b>Work for which Firm was Responsible:</b></th> </tr> </thead> <tbody> <tr> <td style="width: 50%; padding: 10px; text-align: center;">04/2018</td> <td style="width: 50%; padding: 10px; text-align: center;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 10px; text-align: center;">\$2,800,000</td> <td style="width: 50%; padding: 10px; text-align: center;">\$420,007</td> </tr> </table> </td> </tr> </tbody> </table>		<b>Estimated Cost:</b>		<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>	04/2018	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 10px; text-align: center;">\$2,800,000</td> <td style="width: 50%; padding: 10px; text-align: center;">\$420,007</td> </tr> </table>	\$2,800,000	\$420,007
<b>Estimated Cost:</b>										
<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>									
04/2018	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 10px; text-align: center;">\$2,800,000</td> <td style="width: 50%; padding: 10px; text-align: center;">\$420,007</td> </tr> </table>	\$2,800,000	\$420,007							
\$2,800,000	\$420,007									

## TEC Professional Services Questionnaire

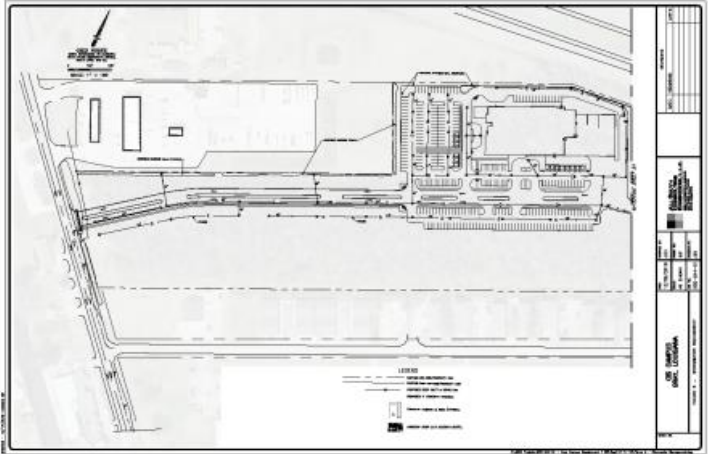
<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Port of New Orleans Backflow Prevention/ Cross Connection Control</b> <i>New Orleans, Louisiana</i></p> <p style="text-align: center;">Port of New Orleans Ryan Bylsma 1350 Port of New Orleans Pl New Orleans, LA 70130 (504) 528-3500</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;">   </div>	<p>All South Consulting Engineers, LLC conducted a study for the Port of New Orleans to prepare a hazard mitigation plan identifying the sizes and locations to install back flow prevention devices throughout the Port's water system. All South provided surveying, design, bidding, construction administration, and construction inspection for the development of the Cross Connection Control Program.</p> <p>The project involved the study of existing water systems to identify cross connection control hazards, develop solutions to address identified hazards, design, and implement those approved solutions. The Port of New Orleans has many water distribution systems that receive water from the New Orleans Sewerage and Water Board, including 8 systems designated as Public Water Systems by the Louisiana Department of Health and Hospitals (DHH). These systems often have cross connections within them that may create contamination and pressure hazards. All South conducted a survey of the existing systems to identify hazards that may exist due to these cross connections. This process involves a detailed study of existing maps, and a thorough understanding of water lines, valve operations, and backflow prevention.</p> <p>This study was performed in an effort to bring the Port of New Orleans' water system up to code compliance so that it meets the requirements of the Department of Health and Hospitals. The purpose of installing back flow preventers is to not only protect the Port's water system, but also to protect the City of New Orleans' water lines from hazardous materials such as chemicals and waste products should either system experience a decrease in pressure. In the event of a decrease in pressure within a water system, contaminants could potentially enter a potable water system. Back flow preventers mitigate the possibility of undesired materials entering into a water system that could potentially create a health hazard.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
05/2020	\$1,583,950	\$283,950



## 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><b>Blahut Road Water System Improvements (Phase II) and Haynes Settlement Waterline Extension, Blahut Road – Phase III Livingston Parish, Louisiana</b></p> <p style="text-align: center;">Livingston Parish Government Heather Crain, Grant Coordinator P.O. Box 1060 Livingston Parish, LA 70754 (225) 686-7280</p>	<p>All South Consulting Engineers provided professional design services, construction administration, and resident inspection for the Blahut Road Water System Improvements (Phase II) and Haynes Settlement Waterline Extension, Blahut Road – Phase III projects. Phase II of this project consisted of extending a waterline approximately 2900 feet. Phase II of this project included extending the same waterline approximately 2400 additional feet. These two phases included:</p> <ul style="list-style-type: none"> <li>Boring a water line under the roadway in 9 different locations to connect houses to the system</li> <li>Installing 4 fire hydrants</li> <li>Installing water meter boxes and valves as necessary</li> <li>Drainage ditch grading after the water line was installed under the ditch</li> <li>Conducting water sampling</li> <li>Terminating the line to allow for future expansion</li> </ul> <p>Construction Administration duties included preparation of construction documents including plans and specifications, assisting the Parish with bidding, and oversight of construction activities.</p> <div style="text-align: right;">  </div>									
<b>Completion Date (Actual or estimated):</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center; padding: 5px;"><b>Estimated Cost:</b></th> </tr> <tr> <th style="width: 50%; padding: 5px; text-align: center;"><b>Entire Project:</b></th> <th style="width: 50%; padding: 5px; text-align: center;"><b>Work for which Firm was Responsible:</b></th> </tr> </thead> <tbody> <tr> <td style="width: 50%; padding: 10px; text-align: center;">4/2022</td> <td style="width: 50%; padding: 10px; text-align: center;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 10px; text-align: center;">\$306,483</td> <td style="width: 50%; padding: 10px; text-align: center;">\$25,064</td> </tr> </table> </td> </tr> </tbody> </table>		<b>Estimated Cost:</b>		<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>	4/2022	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 10px; text-align: center;">\$306,483</td> <td style="width: 50%; padding: 10px; text-align: center;">\$25,064</td> </tr> </table>	\$306,483	\$25,064
<b>Estimated Cost:</b>										
<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>									
4/2022	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 10px; text-align: center;">\$306,483</td> <td style="width: 50%; padding: 10px; text-align: center;">\$25,064</td> </tr> </table>	\$306,483	\$25,064							
\$306,483	\$25,064									

## 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 style="text-align: center;"><b>CIS – Gray Facility Waterline</b> <i>Houma, Louisiana</i></p> <p>Cardiovascular Institute of the South Joey Fontenot Chief Operating Officer 225 Dunn Street Houma, Louisiana 70360 (985) 876-0300</p>	<p>This project consisted of master planning, engineering, design, and construction management of a proposed commercial development for a medical complex on a 25-acre undeveloped tract in Terrebonne Parish. This development was constructed for the Cardiovascular Institute of the South (CIS), a major health care provider in Louisiana. The development included concrete roadways, potable water distribution system, sanitary sewer collection system, storm water management system, sidewalks, parking lots, and building construction.</p> <p>All South initially provided topographic survey services, in support of a Master Plan for the development of the site. Once complete, the survey was used to develop this Master Plan in coordination with CIS and an architectural firm. This Master Plan included multiple buildings on the site, along with the basic infrastructure improvements. After approval of the Master Plan, CIS authorized All South to proceed with the design for the development. We coordinated further survey work and the geotechnical analysis necessary for the development. Using the data developed by these additional services, we prepared the construction and bidding documents for the following features:</p> <ul style="list-style-type: none"> <li>1500' of concrete roadway</li> <li>Subsurface and surface drainage improvements along this roadway</li> <li>A two acre retention pond at the rear of the property to manage rainfall runoff</li> <li>2500' of gravity sewer line, a sewer lift station, and 1500' of 2" PVC sewer force main to manage wastewater on the site connection to existing 14" municipal force main</li> <li>1,460 LF of 8" PVC gravity main and associated concrete manholes and 6" services</li> <li>2500' of waterline to service the site</li> </ul> <div style="text-align: right;">  </div>					
<b>Completion Date (Actual or estimated):</b>	<div style="text-align: center;"><b>Estimated Cost:</b></div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;"><b>Entire Project:</b></th> <th style="width: 50%; padding: 5px;"><b>Work for which Firm was Responsible:</b></th> </tr> <tr> <td style="text-align: center; padding: 10px;">01/2021</td> <td style="text-align: center; padding: 10px;">\$3,500,000</td> </tr> </table>		<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>	01/2021	\$3,500,000
<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>					
01/2021	\$3,500,000					
	\$492,522.35					

## 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><b>Houma Water Tank Replacement</b>  <i>Terrebonne Parish, Louisiana</i></p> <p>Terrebonne Consolidated Waterworks  District No. 1  Mike Sobert  8814 East Main Street  Houma, Louisiana 70360  (985) 879-2495</p>	<p>The Terrebonne Consolidated Water District needed to replace two aging steel water storage tanks at the Houma Water Plant. These tanks, which were over 40 years old required replacement and enlargement to meet the growing demands of the district.</p> <div style="text-align: right;">  </div> <p>The district asked All South to plan, coordinate, and bid both the demolition of the existing tanks, and the construction of two, new concrete tanks. The existing tanks had a capacity of 1,500,000 gallons, for a total of 3,000,000 gallons on site.</p> <p>The new tanks would have a capacity of 2,000,000 gallons each, for a total capacity of 4,000,000 gallons.</p> <p>All South conducted a field survey and prepared a set of plans and specifications for this project. These plans and specifications included close coordination with district personnel, particularly in relation to the various connections and supply line tie-ins for the tanks.</p> <div style="text-align: right;">  </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;"><b>Entire Project:</b></th> <th style="width: 50%; padding: 5px;"><b>Work for which Firm was Responsible:</b></th> </tr> <tr> <td style="text-align: center; padding: 10px;">\$1,590,000</td> <td style="text-align: center; padding: 10px;">\$79,000</td> </tr> </table>		<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>	\$1,590,000	\$79,000
<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>					
\$1,590,000	\$79,000					
<p>11/2016</p>						



## 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>General Engineering Services – Hydraulic Analysis Assistance</b>  <i>Terrebonne Parish, Louisiana</i></p> <p>Terrebonne Consolidated Waterworks  District No. 1  Mike Sobert  8814 East Main Street  Houma, Louisiana 70360  (985) 879-2495</p>	<p>The Terrebonne Consolidated Water District No. 1 operates a large potable water system in Terrebonne Parish, severing over 100,000 residents and businesses. The Water District requested modeling assistance from All South Consulting Engineers, to <b><u>support the planning and improvement of the system.</u></b></p> <p>The District has recently received a financial windfall from bond proceeds and required assistance in optimizing those dollars. All South Consulting Engineers led this project, which includes the development, calibration, and use of a WaterCAD/WaterGEMS hydraulic analysis software package. All South worked with the District staff to inventory the existing system, the current feeds and pressures throughout the system, and other factors.</p> <p>Based on this information, a model was developed of the current system and conducted several alternative improvement plans through the model to evaluate the benefits and costs of those alternatives. This analysis yielded a substantial cost savings.</p> <p>Additional Projects for/connecting to the Consolidated Waterworks District:</p> <p><b>Shrimper's Row Waterline</b>  This project consists of the planning design and construction management of a new 12" waterline in Dulac, Louisiana. The Terrebonne Parish Consolidated Water District No. 1 asked All South to provide engineering and related services for this project. All South conducted field surveys, supervised the geotechnical investigation, and prepared the plans and specifications for the project. Mr. Walt Medley is the project manager for this project, which includes the replacement of an existing 6" line and will connect to an existing water tower. This project also runs close to an existing gas pipeline in the area, and therefore has required coordination with the gas pipeline company.</p> <p><b>8" Water Main Extension for the Houma-Terrebonne Airport and Industrial Park</b>  The Houma Terrebonne Airport Commission was asked by a tenant to consider improving water services to the tenant as part of a major expansion of that tenant's business. This expansion was going to require a much larger facility, and therefore much greater water service. The HTAC asked All South to prepare a conceptual level project plan and cost estimate. This project included conceptual design of approximately 3,100 linear feet of 8" C-900 PVC water main</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Task Based	\$3,500,000	\$390,000

## 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. 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.**



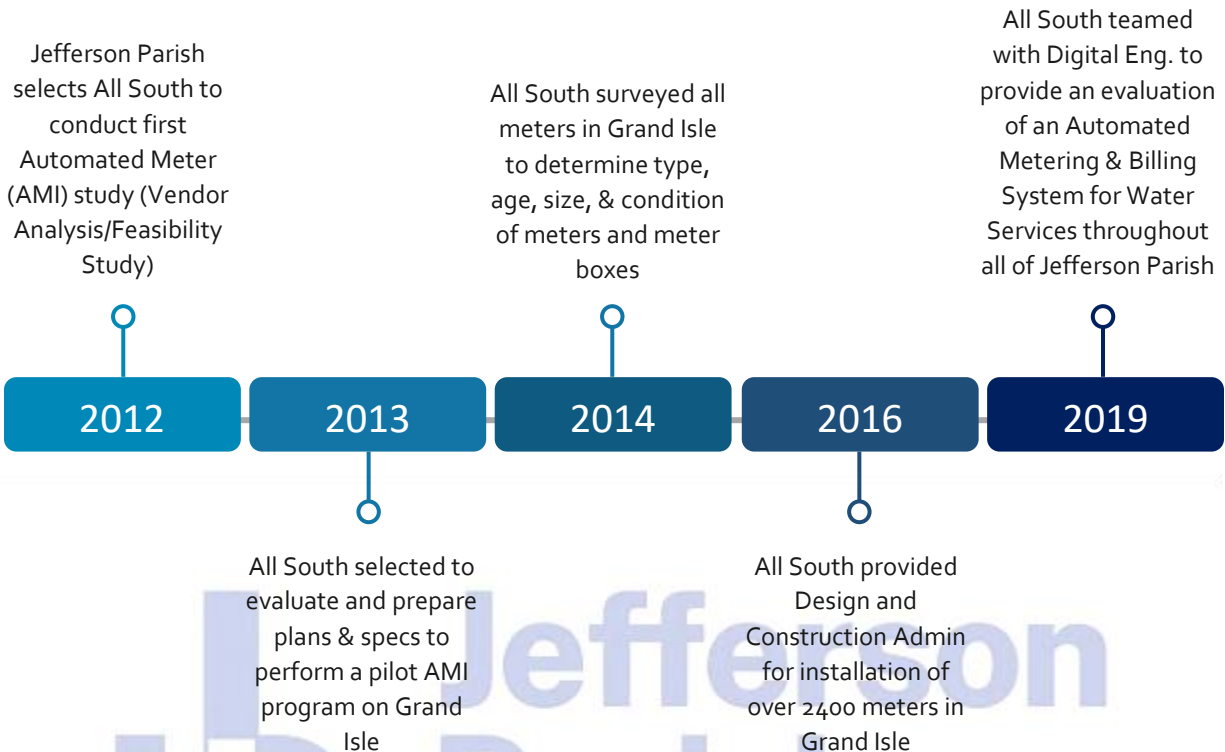
**All South Consulting Engineers, LLC** is a Limited Liability Company owned by Timothy Bonura, Jens J. Nielsen Jr., and Stephen Smith. Established in May 2004, All South is a multi-disciplinary firm that provides Civil and Structural Engineering, Land and Hydrographic Surveying, Program and Grant Management,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

### » PROFESSIONAL TRAINING AND EXPERIENCE «

All South has substantial experience in the Civil Engineering, Project Management, Land Surveying, and Resident Inspection services pertinent to the scope of work outlined in the request for this proposal. All South has completed various public utility projects in South Louisiana since 2004, including many years of experience in the design and construction management of Jefferson Parish Water Projects. In designing these projects, our professionals keep in mind the future maintenance and additional needs that may be required. Having proper alignment and clearances ensures that when emergency maintenance is needed, there is minimal impact on traffic flow or disruption to the functionality of the community. In addition to our technical ability, these projects were successfully completed in a timely manner and within budget. Additional experience can be found in the above resumes and project descriptions.

All South's 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.

## ALL SOUTH'S HISTORY WITH ADVANCED METERING INFRASTRUCTURE IN JEFFERSON PARISH



- ❖ In 2012, All South Consulting Engineers, LLC was selected to conduct the first Automated Meter (AMI) study for Jefferson Parish. The report outlined different types of automated meter reading systems and the associated costs for installation throughout the Parish. This report (Vendor Analysis/Feasibility Study) was completed in March of 2012.
- ❖ As a result of this report, the Parish contracted All South to evaluate and prepare plans and specifications to perform a pilot AMI program on Grand Isle. Since the Grand Isle system had recently been incorporated into the Jefferson Parish Department of Water's asset list, the Parish had very little as built or billing data on the Grand Isle water system. In 2013-2014, All South utilized the initial 2012 report to evaluate the Grand Isle system and identified the systems in the original report that would work in Grand Isle.
- ❖ At this time, All South also surveyed every meter in Grand Isle to determine the type, age, size, and condition of the meters and meter boxes. Once the survey was completed, a meter system was selected by Jefferson Parish, and through existing contracts, the Parish ordered the components for an automated system in Grand Isle.
- ❖ In 2016, All South prepared plans and specifications for the installation of this system. All South also provided construction administration and inspection services for the removal of the existing water meters and the installation of over 2400 meters in Grand Isle. Due to proprietary technology, All South contracted with ITRON to perform training for the contractor, Parish, and Construction Administrative personnel to meet the proprietary requirements. The project was constructed by June of 2017.
- ❖ In 2019, All South teamed with Digital Engineering and completed a study outlining the feasibility and benefits of a parish wide Automated Metering system. This report determined that utilizing an AMI system parish wide would reduce the cost of meter reading and increase efficiency in collecting water meter information.



## **TEC Professional Services Questionnaire**

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.

<b>ENGINEERING DESIGN</b>		
<b>Water</b> <ul style="list-style-type: none"> <li>• Water Modeling</li> <li>• Water Treatment</li> <li>• Water Distribution Systems</li> </ul> <b>Drainage</b> <ul style="list-style-type: none"> <li>• Hydraulic/Hydrologic Studies</li> <li>• Collection Systems</li> <li>• Open Channels (Structural/Earthen)</li> <li>• Retention Ponds</li> <li>• Detention Ponds</li> <li>• Pump Stations</li> </ul> <b>Sewer</b> <ul style="list-style-type: none"> <li>• Computer Modeling</li> <li>• Treatment Plants</li> <li>• Collection Systems</li> <li>• Lift Stations</li> <li>• Force Mains</li> </ul>	<b>Coastal</b> <ul style="list-style-type: none"> <li>• Land Development</li> <li>• Levees</li> <li>• Wetland Development</li> <li>• Marsh Re-creation</li> <li>• Mitigation</li> <li>• Dredging</li> </ul> <b>Flood Control</b> <ul style="list-style-type: none"> <li>• Locks</li> <li>• Flood Gates</li> <li>• T-Walls</li> <li>• I-Walls</li> <li>• Earthen Levees</li> <li>• Structural Levees</li> <li>• Sheet Pile Structures</li> </ul> <b>Land Development</b> <ul style="list-style-type: none"> <li>• Civil Site Services</li> </ul>	<b>Transportation</b> <ul style="list-style-type: none"> <li>• Traffic Counts</li> <li>• Traffic Impact Analysis</li> <li>• 3D Modeling</li> <li>• Concrete Roadway</li> <li>• Asphalt Roadway</li> <li>• Bridge Design</li> </ul> <b>Recreational</b> <ul style="list-style-type: none"> <li>• Recreational Fields</li> <li>• Bicycle/ Pedestrian Paths</li> <li>• Master Plans</li> </ul> <b>Public Utilities Structural</b> <ul style="list-style-type: none"> <li>• Buildings</li> <li>• Retaining Walls</li> <li>• Shallow and Deep Foundations</li> <li>• Existing Facility Structural Analysis</li> </ul>
<b>SURVEYING</b>	<b>PROGRAM/ GRANT MANAGEMENT</b>	<b>CONSTRUCTION MANAGEMENT</b>
<ul style="list-style-type: none"> <li>• Boundary/ALTA-NSPS Survey</li> <li>• Construction Survey</li> <li>• Control Survey</li> <li>• Data Processing</li> <li>• Elevation Survey</li> <li>• GIS Data Acquisition</li> <li>• HDS (High Definition) Laser Scanning</li> <li>• Hydrographic Survey</li> <li>• Pipeline Survey</li> <li>• Topographic Survey</li> <li>• Right of Way</li> </ul>	<ul style="list-style-type: none"> <li>• Grant Writing and Management</li> <li>• Public Assistance</li> <li>• Application Development</li> <li>• Planning</li> <li>• Cost Estimating</li> <li>• Reimbursements</li> <li>• Scheduling</li> <li>• Plan Review</li> <li>• Document Control</li> <li>• Program Database Development</li> <li>• Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>• Bidding and Advertising</li> <li>• Resident Project Representative</li> <li>• Document Control</li> <li>• Cost Control</li> <li>• Safety Review</li> <li>• Field Engineering</li> <li>• Close Out Documentation</li> <li>• As Built Drawing Development</li> </ul>

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

### » SIZE OF FIRM «

The All South staff includes 66 professionals driven to excellence and focused on our clients' needs. We are made up of 11 Louisiana Licensed Professional Engineers, 5 Engineering Interns, 1 Professional Land Surveyor, 1 Land Surveyor Intern. 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.

## **TEC Professional Services Questionnaire**

### **» CAPACITY FOR TIMELY COMPLETION «**

With 66 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 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.

### **» PAST PERFORMANCE «**

Over the past 18 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.

### **» 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.

**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:** March 31, 2022