



STATEMENT OF QUALIFICATIONS FOR

PROFESSIONAL ENGINEERING SERVICES FOR THE
SALA AVENUE HISTORIC DISTRICT DRAINAGE
FEASIBILITY ANALYSIS & IMPROVEMENTS PROJECT
SOQ 25-005 | RESOLUTION NO. 145576



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

In Association with:

Dana Brown & Associates, LLC
Quality Engineering & Surveying, LLC
The Beta Group Engineering & Testing, LLC

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 25-005-Provide Professional Engineering Services for the Sala Avenue Historic District Drainage Feasibility Analysis and Improvements Project; Resolution No. 145576.

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

John Teegarden, P.L.S.
Vice President, Survey Division Manager
504-322-2783
jteegarden@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

John Teegarden, P.L.S.
Vice President, Survey Division Manager
504-322-2783
jteegarden@ascellc.com

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

<u>8</u>	Administrative	<u>0</u>	Estimators	<u>1</u>	Specification Writers
<u>1</u>	Architects (Licensed)	<u>0</u>	Geologists	<u>2</u>	Structural Engineers
<u>0</u>	Chemical Engineers	<u>0</u>	Geotechnical Engineers	<u>1</u>	Graduate Engineers
<u>10</u>	Civil Engineers	<u>0</u>	Interior Designers	<u>4</u>	Project Managers
<u>13</u>	Construction Inspectors	<u>0</u>	Landscape Architects	<u>3</u>	Clerical
<u>0</u>	Ecologists	<u>0</u>	Land Surveyor	<u>8</u>	Grant/Funding Specialist
<u>0</u>	Electrical Engineers	<u>0</u>	Mechanical Engineers	<u>0</u>	Sanitary Engineers
<u>8</u>	Engineer Intern	<u>2</u>	Environmental Engineers		
<u>2</u>	Professional Land Surveyor			<u>74</u>	TOTAL

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

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

TEC Professional Services Questionnaire

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

1.

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. Dana Brown & Associates, LLC 1836 Valence Street New Orleans, LA 70115	Landscape Architecture	Yes
2. Quality Engineering & Surveying, LLC 1820 Hwy Port Vincent, LA 70726	Civil Engineering Support Landscape Architectural Support Construction Administration	No
3. The Beta Group Engineering & Testing, LLC 1428 Claire Avenue Gretna, Louisiana 70053	Geotechnical Engineering and Testing	Yes

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 **11** key personnel to this project. With a total of **74** staff members, All South has ample personnel and resources to allocate as called upon by the project team. This includes civil engineers, surveyors, CADD technicians, administrative support and construction personnel.

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:

21

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.

Bayou Country Sport Park Houma, Louisiana

Mr. Bonura lead a team tasked with the development of the Bayou Country Sports Park, a 140-acre park site in Terrebonne Parish. This development included ball fields, soccer fields, concession stands, and other amenities. Improvements included in the infrastructure project included drainage, sewer, water, and roadway improvements.

TEC Professional Services Questionnaire

Drainage improvements consisted of several retention ponds located throughout the site, grading, and subsurface drainage. Three (3) lift stations for sewer were constructed due to low elevations throughout the site. Roadway improvements included the construction of roughly 4,000' of asphalt roadway along with a bike path. Installation of 12" PVC waterline was included to provide water to the various buildings that will be located throughout the site. This site was developed to be consistent with regional storm water and green space plans. This project utilized green infrastructure policies. The green features included fiber reinforced grass for parking, wetland simulation drainage retention ponds used for recreation.

Highway 434 Stormwater Management *St. Tammany Parish, Louisiana*

Mr. Bonura provided engineering oversight for the drainage design for a new 4-mile roadway corridor through wetland area and Army base. The difficulty was maintaining current drainage patterns and flows. The drainage conditions were maintained utilizing earthen retention ponds and canals for storage during heavy rain events. In tow locations the wetlands were used for runoff storage which helped maintain flow patterns and helped the development of the plants.

South Claiborne Avenue Streetscape *New Orleans, Louisiana*

This project consisted of landscaping and streetscape to improve the esthetic appearance of the Claiborne corridor. These improvements included impervious paving, decorative lighting, improved turning radius, and landscaping. Mr. Bonura coordinated all utility relocations (both S&WB and private), traffic signal installations with LADOTD, access to business with the local business owners and the construction of the improvements.

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

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

CIS – Gray Campus Development *Gray, Louisiana*

Mr. Bonura provided design oversight and QA/QC of engineering services for the Cardiovascular Institute of the South, 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, and roadway regulations and zoning requirements.

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

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


Plaza Drive Drainage Analysis *St. Bernard Parish, Louisiana*

Mr. Bonura was responsible for the development of a master drainage plan for the Plaza Drive corridor. The existing drainage system was evaluated by development of computer model of the drainage system using Haestad's StormCad drainage modeling software. The model was then used to analyze multiple proposed improvement projects in order to maximize the reductions in flooding in the most cost effective way. The results of the analysis were prioritized into proposed projects for the Parish to implement as funding became available.

Mehle Drive and Chalmette Vista Drainage – St. Bernard FEMA Flood Mapping *St. Bernard Parish, Louisiana*

Mr. Bonura was responsible for the evaluation of the Parish wide Drainage System in order to develop updated flood insurance rate maps for FEMA to determine the required building elevations for new construction. The project included the development of hydraulic models using HEC-RAS and HEC-HMS of the entire Parish of St. Bernard's drainage system. This project was performed to all FEMA guidelines including scoping documents, FEMA notebooks and model reviews. All mapping activities were performed using Geographic Information System technology in order to create these new maps in digital format a first for St. Bernard.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Jens J. Nielsen, Jr., P.E. <i>Partner/ Principal in Charge</i>
Project Assignment:
Principal
Name of Firm with which associated:
All South Consulting Engineers, LLC 
Years' experience with this Firm:
21
Education: Degree(s)/Year/Specialization:
Bachelor of Science, 1992, Civil Engineering
Active registration: Year first registered/discipline:
1996, Civil, LA License No. 27096 1999, Civil, Mississippi License No. 19001
Other experience and qualifications relevant to the proposed Project:
<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. 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. Mr. Nielsen has provided QA/QC over the projects that All South has designed.</p> <p>CIS – Gray Campus Development <i>Gray, Louisiana</i> Mr. Nielsen provided design oversight, H&H Modeling, QA/QC for engineering services for the Cardiovascular Institute of the South, 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, and concrete roadway regulations and zoning requirements.</p> <p>Bayou Country Sports Park <i>Houma, Louisiana</i> Mr. Nielsen was the supervising principal for the infrastructure design of the Bayou Country Sports Park. Encompassing 140 acres, this park will eventually include 20 baseball fields, 10 softball fields, and 10 soccer fields. Mr. Nielsen managed the design of the water, sewer, roadway, and drainage systems for this site, in close coordination with the landscape architect in charge of the recreational facilities.</p> <p>Erlanger Road Median Improvements <i>Kenner, Louisiana</i> Mr. Nielsen was part of a team charged with the development of the Erlanger Road median, an urban transportation corridor in Kenner, La. This project included bike paths, street scape, and landscaping improvements to make this urban</p>

TEC Professional Services Questionnaire

corridor more pedestrian and bike friendly. The drainage plan utilized earthen grass ditches for storage. Mr. Nielsen oversaw engineering plans and project specifications for new bike/pedestrian 12' wide shared concrete path within Entergy right of way/park grass area adjacent to Erlanger Road in residential area of Kenner between Vintage Blvd. and the lake levee. He ensured that specifications for all were in accordance with ASSHTO standards. The project involved coordination with landscape architect for new landscape (trees) and lighting enhancements, program manager and other consultant for an adjoining future path, for eventual bid/construction as per City of Kenner DPW, LADOTD and JP Levee Board criteria and coordination with Entergy or any other applicable utility agencies.

Highway 434 Retention Lake St. Tammany Parish, Louisiana

Mr. Nielsen provided Hydraulic and Hydrologic Modeling, QA/QC and administration oversight for a detailed H&H model of a drainage sub-basin located on Hwy 434 in St. Tammany Parish for the purposes of providing a retention lake. This retention lake will be used to provide storm water retention for the Highway 434 Transportation Center, Learning Center and new High School properties.

East St. John High School Hazard Mitigation Flood Protection and Pump Station St. John the Baptist Parish, Louisiana

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

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

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

Mary Ridge Court Drainage Analysis Jefferson Parish, Louisiana

Mr. Nielsen was in charge with identifying elevations and sizes of pipes, inlets and flow conditions, performing a H&H analysis of the drainage system on Mary Ridge Ct., reviewing the drainage analysis including several possible drainage improvements, preparing plans and specifications and developing construction documents for bid.

Chalmette Vista Subdivision Master Drainage Plan St. Bernard Parish, Louisiana

This project entailed development of a master drainage plan for the Chalmette Vista Subdivision, located in St. Bernard Parish, Louisiana. The existing drainage system was evaluated by development of a computer model of the drainage system using Bentley's Storm & Sewer CADD drainage modeling software. The model was then used to analyze multiple proposed improvement projects in order to maximize the reductions in flooding in the most cost-effective way. The results of the analysis were prioritized into proposed projects for the Parish to implement as funding became available.


St. Bernard Parish FEMA DFIRM Map Updates St. Bernard Parish, Louisiana

This project consisted of modeling the entire drainage system of St. Bernard Parish in order to update the FEMA DFIRM Flood Zone Maps. The modeling was performed using the HEC-RAS and HEC-HMS software. Results were used to establish the flooding risk to all drainage basins throughout the Parish.

Mehle Drive Corridor Master Drainage Plan St. Bernard Parish, Louisiana

This project entailed development of a master drainage plan for the Mehle Drive Corridor. The existing drainage system was evaluated by development of computer model of the drainage system using Bentley's Storm & Sewer CADD drainage modeling software. The model was then used to analyze multiple proposed improvement projects in order to maximize the reductions in flooding in the most cost-effective way. The results of the analysis were prioritized into proposed projects for the Parish to implement as funding became available.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Stephen Bourg, P.E. <i>Senior Vice President</i>
Project Assignment:
Senior Project Manager/ Senior Engineer
Name of Firm with which associated:
All South Consulting Engineers, LLC 
Years' experience with this Firm:
19
Education: Degree(s)/Year/Specialization:
Bachelor of Science, Civil Engineering, 1994 Post-Graduate Studies – Structural Engineering, 1994-1996
Active registration: Year first registered/discipline:
1998, Civil, Louisiana License No. 28240
Other experience and qualifications relevant to the proposed Project:
<p>Stephen Bourg, P.E. is a Professional Civil Engineer who graduated from the University of New Orleans in 1994. Mr. Bourg has over 28 years of civil & structural design experience and over 17 years of PA, HMGP, Debris & PDA experience on 8 major federally declared hurricane disasters in Louisiana. He has overseen Design, Program and Construction Management of over 3 billion dollars of projects which include: schools, theme parks, roads, bridges, locks, drainage infrastructure, public utilities, pump stations, levees, floodwalls, hotels, fire houses, high rise condos, community centers, and numerous commercial buildings. Mr. Bourg joined All South Consulting Engineers, LLC 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. Additionally, Mr. Bourg manages a staff of over 70 individuals which include Professional Engineers, Surveyors, Program/ Construction Managers and other design professionals.</p> <p>Bayou Country Sport Park Houma, Louisiana Mr. Bourg is the senior project manager of this project which consists of developing a 150-acre site for a sports and recreational complex and includes roadways, parking areas, water, sewer, drainage and other recreational site improvements. This project includes evaluating the existing site hydrology and developing a master drainage plan that limits the 25-year synthetic discharge (peak and volume) to the pre-existing 10-year storm. Site specific difficulties includes accounting for inundation from high tail water events, providing additional capacity for storm runoff from adjacent upstream sites and having to reduce pre-existing discharges into adjacent sites to no discharge. Specific tasks included hydrologic analysis of existing and developed conditions and preliminary hydraulic design.</p>

TEC Professional Services Questionnaire

CIS – Gray Campus Development *Gray, Louisiana*

Mr. Bourg provided engineering and oversight 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, and concrete roadway regulations and zoning requirements.

Hwy 434 Retention Lake *New Orleans, Louisiana*

Mr. Bourg provided design and administration oversight for a detailed hydrologic and hydraulic model of a drainage sub-basin located on Hwy 434 in St. Tammany Parish for the purposes of providing a retention lake. This retention lake will be used to provide storm water retention for the Highway 434 Transportation Center, Learning Center and new High School properties.

East St. John High School Hazard Mitigation - Pump Station/Flood protection project *St. John the Baptist Parish, Louisiana*

This project consists of implementing flood mitigation measures to East John High School to prevent flooding of the 28-acre campus due to area flooding and/or storm surge for the 100-yr design event. Mr. Bourg supervised staff engineers in the design of this project which consisted of the initial flood mitigation conceptual design, including a perimeter floodwall and levee system, driveway ramps for student, faculty and bus access, layout for a new drainage system complete with an interior drainage pump station with back-up generator, bypass sluice gate structure and onsite retention area for storm water. Additionally, Mr. Bourg prepared the hazard mitigation grant application and secured Federal Funding to cover costs for this project.

Alidore Drainage Improvements *Lafourche Parish, Louisiana*

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

Tudor and Tallulah Drainage Improvements *Jefferson Parish, Louisiana*

Mr. Bourg supervised staff engineers for the evaluation and design of drainage improvements for Tudor Ave and Tallulah Ave in River Ridge. The analysis included hydrologic and hydraulic analysis to provide a master plan that will result in no street flooding due to the 10-yr, 24-hr rainfall event. All South performed H&H analyses in HEC-HMS and PCSWMM.

Westgate Subdivision Drainage Improvements *Jefferson Parish, Louisiana*

Mr. Bourg provided design and administration oversight for the design and coordination of multi-discipline consultants for the drainage improvements for this Jefferson Parish drainage project. Scope of work included the design and construction of two pump stations, the addition of drainage check valves, electrical requirements, structural design for generators and fuel tanks, and partial reconstruction of an existing roadway.


St. Louis Canal Drainage *Terrebonne Parish, Louisiana*

Mr. Bourg performed and supervised staff engineers for the evaluation and design of the St. Louis Canal drainage improvements, including two concrete box culverts. Project consisted of preparing the necessary applications for funding through Hazard Mitigation Grant (HMGP) funding. These applications included damage estimates, hydraulic analysis, cost estimates for the improvements, and basic engineering and design. The proposed improvements include the installation of two concrete box culverts under St. Louis Canal Road.

Lake Trail Drive Drainage Improvements *Metairie, Louisiana*

Mr. Bourg provided design and administration oversight for Lake Trail project which consisted of performing a preliminary drainage analysis on the existing drainage system from Bruin Drive to the Canal 3 outfall, using the DOTD Hydrwin 6020 software and Rational Method. After the preliminary phase, the same methods were used to design the drainage system from Bruin Drive to the Canal 2 outfall.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Jarret Bauer, P.E. <i>Civil Engineer</i>
Project Assignment:
Project Engineer
Name of Firm with which associated:
All South Consulting Engineers, LLC 
Years' experience with this Firm:
18
Education: Degree(s)/Year/Specialization:
Master of Science, Ongoing, Coastal and Ecological Engineering Bachelor of Science, 2007, Civil Engineering Bachelor of Science, 2005, Business Management
Active registration: Year first registered/discipline:
2011, Civil, Louisiana License No. 36720
Other experience and qualifications relevant to the proposed Project:
<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>CIS – Gray Campus Development Terrebonne Parish, Louisiana Mr. Bauer assisted in the master planning phase of this 24-acre tract medical campus while coordinating with multiple government agencies and utility providers to ensure compliance with sewer, water, drainage, gas, concrete roadway regulations, & zoning requirements. His responsibilities include performing hydraulic modeling utilizing PCSWMM in order to size culverts, determine inlet spacing, and size retention ponds, and produced site grading and drainage plans.</p> <p>South Claiborne Avenue Streetscape New Orleans, Louisiana This project included improvements of sidewalks and ADA ramps, upgrades of street lighting installing LED fixtures, and also landscaping improvements along the neutral ground. Mr. Bauer was responsible for construction management services including invoice review, plan change and delay claim review, and compiling change order requests. He also handled all coordination with the contractor holding site/progress meetings.</p> <p>Sorrento Park and Playground Sorrento, Louisiana Mr. Bauer supervised engineering professionals for the design of a grant-funded, fifty parking space concrete parking lot, a ¼-mile asphalt walking track, a concrete bridge, and a children's play area. The design required site drainage</p>

TEC Professional Services Questionnaire

evaluation and layout considerations around existing topography and tree lines to maximize aesthetics and minimize costs. He oversaw development of multiple design concepts and reviewed these with the Owner to identify the most cost feasible solution for the both the Owner and the grant. The total grant is valued a \$400,000 of construction. He is also providing all construction administration and inspection on the project.

Alidore Drainage Improvements and Statewide Flood Application *Lafourche Parish, Louisiana*

As part of the LaDOTD Statewide Flood Control Improvement, Mr. Bauer performed hydraulic & hydrologic modeling and calculations to design flood protection for an existing neighborhood with inadequate pumping capacity. He performed site evaluations, including field data collection and integration with the Owner to create a system model using HEC-HMS 3.4 and HEC-RAS 4.1.0 under pumped flow conditions. The model successfully predicted a pumping configuration to maintain proper drainage elevations within proposed ditch improvements. He successfully sized the system for new pumping capacities and neighborhood drainage improvements, including improved ditch cross-sections, realignment of existing levee sections, and new pump and piping configurations to support the existing system. His efforts also included wetland permitting and collaboration for right-of-way clearances.

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

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

Lirette St. Drainage Improvements *Houma, Louisiana*

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

Bayou Vista Drainage Modeling *Lafourche Parish, Louisiana*

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


Silverleaf Drainage Statewide Flood Application *Gonzales, Louisiana*

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

Sorrento Statewide Flood Control *Town of Sorrento, Louisiana*

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Jack Hingle, P.E. <i>Senior Civil Engineer</i>
Project Assignment:
Senior Engineer
Name of Firm with which associated:
All South Consulting Engineers, LLC 
Years' experience with this Firm:
10
Education: Degree(s)/Year/Specialization:
Bachelor of Science, Civil Engineering, 1979, Louisiana State University
Active registration: Year first registered/discipline:
1987/ Civil PE Louisiana License No. 22622
Other experience and qualifications relevant to the proposed Project:
<p>Jack Hingle, P.E. joined All South Consulting Engineers in 2014. He has a distinguished career that spans over 40 years of infrastructure design, construction administration, and project management experience on a variety of projects. A majority of his experience has been hands-on management of large-scale projects for government municipalities including hydraulic and hydrologic modeling, wastewater collection and treatment, lift stations, water distribution systems, roadways, public utilities, drainage collection systems, pumping stations, levees, floodwalls, bulkheads, marsh creation, and other general engineering services. Mr. Hingle works closely with fellow engineers, project managers, CADD staff, contractors, inspectors, and residents to ensure all successful and timely completion of projects. His experience includes the following.</p> <p>CIS – Gray Campus Development <i>Gray, Louisiana</i> Mr. Hingle 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.</p> <p>Erlanger Bike Path & Enhancements (Vintage Drive to Lake) <i>Jefferson Parish, LA</i> Mr. Hingle performed the design, layout and development of engineering plans and project specifications for new bike/pedestrian 12' wide shared concrete path within Entergy right of way/park grass area adjacent to Erlanger Road in residential area of Kenner between Vintage Blvd. and the lake levee. Mr. Hingle coordinated topographical survey data in developing necessary plan sheets with path profile, new drainage structures and typical sections along with all details, quantities, cross sections and specifications for all in accordance with ASSHTO standards and coordination with</p>

TEC Professional Services Questionnaire

landscape architect for new landscape (trees) and lighting enhancements, program manager and other consultant for an adjoining future path, for eventual bid/construction as per City of Kenner DPW, LADOTD and JP Levee Board criteria and coordination with Entergy or any other applicable utility agencies.

Matthews Government Complex Trailhead *Lafourche Parish, Louisiana*

Mr. Hingle provided engineering, design, surveying, and land acquisition support for the Mathews Trailhead project. Along the bayou, the project included a plaza, a section of bike trail, rest areas, bike racks, and a floating dock. The bayou side improvements will be connected to the existing Mathews Government Complex by a cross walk across La. Hwy. 1. In the Government Complex parking lot, the project will include a shaded plaza, picnic tables, a water feature, and landscaping.

Alidore Drainage Improvements *Lafourche Parish, Louisiana*

As part of the LaDOTD Statewide Flood Control Improvement initiative, Mr. Hingle interpreted/verified H&H modeling data and calculations for an existing residential neighborhood with inadequate pumping capacity. Mr. Hingle designed the new pumping station and site work infrastructure, including improved ditch cross-sections, platform and piping configurations, steel sheeting for sump area, rip rap and all utility adjustments to support the new system for 183 CFS capacity. Final design included 3, 36" vertical lift pumps with discharge piping between BNSF Railroad crossings via jack and bore operations for 3-42" x 82' steel casings and 36" steel discharge pipes to outfall into the marsh. He developed and coordinated necessary permits with BNSF RR, USACE, LADNR. Mr. Hingle will provide construction administration and inspection oversight.

Westside Blvd./Alma St. Drainage Improvements *Terrebonne Parish, Louisiana*

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


Lake Vista Group D *New Orleans, Louisiana*

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

Lakeview South Group B *New Orleans, Louisiana*

The project scope involves the rehabilitation of several city streets through the Lakeview neighborhood. The scope also includes total reconstruction with drainage and utilities, partial reconstruction with drainage or cold mill, and overlay of selected asphalt and concrete roadways with sidewalks within the 50' Right of Way. Mr. Hingle's duties include directing All South survey crews through topographical survey updates, coordinating with CAD staff and EI associate to develop plans with typical sections, plan profile sheets, geometrics, drainage and utilities design, graphical grades/joint layout and specifications. All of which are in accordance with NODPW and Sewerage & Water Board standards. Mr. Hingle also worked with and directed sub engineering consultants through the completion and bid phase. The project is currently under design and is set to be completed in 2021 for public bid. Mr. Hingle will then oversee the construction administration.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Emily Newell, P.E. Civil Engineer
Project Assignment:
Project Engineer
Name of Firm with which associated:
All South Consulting Engineers, LLC 
Years' experience with this Firm:
3
Education: Degree(s)/Year/Specialization:
Bachelor of Science, Civil and Environmental Engineering, 2012
Active registration: Year first registered/discipline:
2015, Civil, Louisiana License No. 43646
Other experience and qualifications relevant to the proposed Project:
<p>Ms. Newell has been providing consulting engineering services for clients in Southeast Louisiana since 2007. Throughout her career, Ms. Newell has gained a broad range of experience in a variety of fields including land development; hydraulics; hydraulic modeling; wastewater collection and treatment; lift stations; water distribution systems; roadways; drainage collection systems; pumping stations; bulkheads; marsh creation; permitting; environmental assessments; construction administration; forensic engineering; grant assistance and other general engineering services. Since joining All South Consulting Engineers, Ms. Newell has been tasked with managing over \$16M in infrastructure improvements for clients in Lafourche, Livingston & Jefferson Parishes. Ms. Newell understands the importance of being readily available and responsive to clients, permitting agencies, team members and other involved personnel and strives to answer all calls and return messages promptly.</p> <p>Russell St. Drainage Pump Station <i>Jefferson Parish, Louisiana</i> The Tudor and Tallulah Ave. neighborhoods in Jefferson Parish have been subject to flooding during wet weather events. To alleviate this flooding, a new 200 cfs drainage pump station is planned for construction. Improvements will include new influent piping with bore under railroad, three new electric pumps and 1,400 LF of large diameter discharge piping. Ms. Newell is project manager for this work and has been tasked with development of construction plans, specifications, and cost estimates; and with coordinating with permitting agencies for project permits (CN Railroad, LADOTD); and with project coordination for surveying, mechanical and electrical services; Ms. Newell is also expected to provide bid phase and construction phase services for this work.</p> <p>Lake Trail Drive/Vintage Ave. Drainage Pumping Station <i>Kenner, Louisiana</i></p>

TEC Professional Services Questionnaire

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

Metairie Road Drainage Improvements *Jefferson Parish, Louisiana*

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

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

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


Mulberry St. Drain Line *Amite, Louisiana*

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

Old Baton Rouge Former Junior High Drainage Improvements *Baton Rouge, Louisiana*

The Old Baton Rouge Former Junior High is a historic building near downtown Baton Rouge which now serves as a governmental building. The south side of the site is required to be significantly lower than neighboring properties to accommodate interior floor elevations. The building also includes a basement area which is significantly below grade of neighboring properties. Additionally, the basement includes sub-grade windows which are protected by a bay/sump area with retaining walls. These factors all contributed to the building receiving water during wet weather events. Ms. Newell provided hydraulic assessment of the site and provided the design for improvements. This included installation of sump pumps at the window bays, installation of new subsurface drainage at the site including a French drain system and re-grading the site. Ms. Newell also provided construction plans, specifications and a cost estimate for this work.

TEC Professional Services Questionnaire

PROFESSIONAL IN CHARGE OF PROJECT:
Name & Title:
Barry Breaux, P.E. <i>Civil and Environmental Engineer</i>
Project Assignment:
Project Engineer
Name of Firm with which associated:
All South Consulting Engineers, LLC 
Years' experience with this Firm:
1
Education: Degree(s)/Year/Specialization:
Bachelor of Science, Environmental Engineering, 2017
Active registration: Year first registered/discipline:
2022, Civil, Louisiana License No. 43646
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Breaux is a project Engineer with over 7 years of comprehensive experience in civil and environmental engineering in both Louisiana and Texas, who delivers design and engineering services across a broad spectrum of municipal infrastructure projects. Mr. Breaux's previous roles as an on-site engineer and construction inspector at two Sewerage and Water Board of New Orleans Wastewater Treatment Plants underscores hands-on experience and commitment to ensuring the integrity of critical infrastructure.</p> <p>Engineers Road/Cazalard Road Hydrologic & Hydraulic Study and Drainage Improvements Belle Chasse, Louisiana Mr. Breaux served as the Project Engineer for design improvements to multiple drainage canals and ditches, a culvert crossing of a major roadway, subsurface drainage, and evaluation and design to construct a new stormwater drainage network that discharges into the Intracoastal Waterway (GIWW). He developed a PCSWMM model depicting both the existing and proposed conditions and presented results to Plaquemines Parish Government (PPG). Mr. Breaux supported environmental permitting efforts for the project and served as the Engineer of Record for the H&H Study.</p> <p>Abita Nursery Drainage Improvements St. Tammany Parish, Louisiana Mr. Breaux was the Project Engineer for a hydrologic and hydraulic (H&H) study of an approximately 130-acre area, inclusive of the Abita Nursery Subdivision and surrounding area. The area experienced nuisance flooding due to inadequate drainage, and this project aims to remedy the situation. The drainage infrastructure in the project area consisted primarily of a surface drainage system of ditches within the rights-of-way and culverts beneath numerous driveways and access roads into private property.</p>

TEC Professional Services Questionnaire

PROFESSIONAL IN CHARGE OF PROJECT:
Name & Title: John Teegarden, PLS <i>Vice President/ Survey Division Manager</i>
Project Assignment: Senior Professional Land Surveyor/ Survey Project Manager
Name of Firm with which associated: All South Consulting Engineers, LLC
Years' experience with this Firm: 10
Education: Degree(s)/Year/Specialization: International Correspondence School, Surveying and Mapping Course (2-year course completed)
Active registration: Year first registered/discipline: 1990/ Professional Land Surveyor/ Louisiana License No. 4635 1999/ Professional Land Surveyor/ Mississippi License No. 2782
Other experience and qualifications relevant to the proposed Project: <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. Throughout his 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. In his career, he has served as a Field Party Chief, Field Supervisor, CAD Technician, Project Manager, and Division Manager. 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.</p> <p>Tudor and Tallulah Drainage Analysis River Ridge, Jefferson Parish, Louisiana Mr. Teegarden provided topographic survey services and collected field data for the Tudor and Tallulah drainage project. This work included picking up horizontal and vertical data in the drainage area, including locating the multiple subsurface utilities that could affect the project.</p> <p>Old Arabi Drainage Improvements St. Bernard Parish, Louisiana Mr. Teegarden performed full topographic services to assist with the design of new drainage for a portion of Old Arabi. This included data collection, data processing, data management, research, CAD, and project budget oversight. This</p>

TEC Professional Services Questionnaire

included managing field crews during the data collection process ensuring that everything within the project scope was captured during the fieldwork.

Westside-Alma Drainage Project *Terrebonne Parish, Louisiana*

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

Gray Campus Development - CIS *Gray, Louisiana*

Mr. Teegarden provided a boundary and topographic survey for this project. The work included: Location of any improvements on the property to include but not limited to: fences, structures, pavement, etc.; Location of drainage features to include ditches, swales, ponding areas, etc. with sufficient elevations to define flow patterns; Location of subsurface utilities

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

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

Bayou Vista Subdivision Drainage Model *Thibodaux, Louisiana*

Mr. Teegarden performed full topographic survey services including retrieving existing Lidar data From the NGS website to be combined with survey data taken in the field in order to produce a drainage model for Bayou Vista Subdivision.

St. Louis Canal Road *Houma, Louisiana*

Mr. Teegarden performed full boundary surveying services for the acquisition of a servitude for drainage Improvements. This included performing the necessary field work for the survey, data processing and preparation of a boundary map.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Taylor Casteigne, PLS Professional Land Surveyor, Survey Supervisor
Project Assignment: Professional Land Surveyor
Name of Firm with which associated: All South Consulting Engineers, LLC
Years' experience with this Firm: 5
Education: Degree(s)/Year/Specialization: Bachelor of Science / 2019 / Geomatics
Active registration: Year first registered/discipline: 2022/ Professional Land Surveyor / Louisiana License No. 5291
Other experience and qualifications relevant to the proposed Project: <p>Mr. Casteigne graduated from Nicholls State University with a B.S. in Geomatics and has served as party chief and draftsman on a variety of surveys. He is well versed in the latest surveying equipment technology to ensure fast and accurate surveys. For all projects, Mr. Casteigne performs/oversees the necessary field work for the survey, then processes the data into a field book file. He then imports the data into Auto CAD where it is used to build a TIN surface. With this surface cross sections are generated over the required areas based on the scope. Contours are then generated showing lines of constant elevation. The budgets for each project are tracked daily, thus ensuring that the surveys are completed on time and under budget. This includes placing LA One Call tickets, giving field crews the list of tasks needed to complete the project, and ensuring the projects are completed in an orderly fashion.</p> <p>Old Arabi Drainage Improvements <i>St. Bernard Parish, Louisiana</i> Mr. Casteigne performed full topographic services including data collection, data processing, data management, research, CAD, and project budget oversight. This included managing field crews during the data collection process ensuring that everything within the project scope was captured during the fieldwork. Oversight over the drafting process was another key responsibility for this project. This survey was intended to assist with the design of new drainage for a portion of Old Arabi.</p> <p>Westside-Alma Drainage Project <i>Terrebonne Parish, Louisiana</i> Mr. Casteigne performed full topographic services including data collection, data processing, data management, CAD, and project budget oversight. Also, performing the necessary field work for the survey, then processing the data into a</p>

TEC Professional Services Questionnaire

field book file. This includes a site visit prior to beginning the project to develop a cost estimate and developing a packet for field crews detailing what data will be required to complete the survey. This survey was for the purpose of improving the drainage along Westside Blvd from Main St. to Alma St.

Bayou Vista Subdivision Drainage Model *Thibodaux, Louisiana*

Mr. Casteigne performed full topographic survey services including retrieving existing Lidar data From the NGS website to be combined with survey data taken in the field in order to produce a drainage model for Bayou Vista Subdivision.

Lakeview Terrace South Group B *New Orleans, Louisiana*

Mr. Casteigne performed full topographic survey and CAD services, including all subsurface utilities in accordance with department standards for the design and construction of street improvements.

St. Louis Canal Rd *Houma, Louisiana*

Mr. Casteigne performed full boundary surveying services for the acquisition of a servitude by Terrebonne Parish for drainage Improvements. This included performing the necessary field work for the survey, then processing the data into a useable format so a boundary map could be prepared.

Savanne Rd Drainage Improvements *Houma, Louisiana*

Mr. Casteigne performed full boundary surveying services for the acquisition of a servitude by Terrebonne Parish for drainage Improvements. This included performing the necessary field work for the survey, then processing the data into a useable format so a boundary map could be prepared.

Lirette St. Pump Station *Houma, Louisiana*

Mr. Casteigne performed full topographic survey and CAD services, for a drainage study to be completed of the entire subdivision, also for the construction and installation of a new pump station.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Scott Breidenstein CADD Technician
Project Assignment:
CADD Technician / Draftsman
Name of Firm with which associated:
All South Consulting Engineers, LLC
Years' experience with this Firm:
5
Education: Degree(s)/Year/Specialization:
Technical Diploma, 2020, L. E. Fletcher Technical Community College
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Breidenstein joined the All South team in 2019. His experience includes AutoCAD C3D which he utilizes in survey and design projects that include topographic, boundary, route corridor surveys, hydrographic surveys, ALTAs, field data input, plan and profile sheets, import/export of survey points, proposed design corridors, and volume calculations. Mr. Breidenstein coordinates with field crews, drafters, engineers, and clients to generate AutoCAD C3D drawings and plan sheet sets from the beginning of a project to final stamped plans.</p> <p>Old Arabi Drainage St. Bernard, Louisiana Mr. Breidenstein prepared proposed design drawings for the clearing and dredging of existing canals and the construction of drainage structures. The project involved replacing culverts, ditch re-grading, and dredge operations. Site plans provided by Mr. Breidenstein were used to design improved drainage for the surrounding area.</p> <p>Canal A Drainage Improvements, New Sarpy/St. Charles Parish, Louisiana Mr. Breidenstein prepared the design plans for the Canal A drainage improvement project. The project was approximately ±1800 LF, it consisted of replacing an existing arch culvert with two cast in place box culverts, roadway reconstruction and multiple cantilevered sheet pile wall systems. Mr. Breidenstein created a C3D model showing the proposed canal depth for volume calculations. Three separate concrete flume walls were drawn and detailed as well. Mr. Breidenstein assisted the project engineer in completing the proposed plan set and reconstructed roadway design.</p> <p>Russell St Pump Station River Ridge, Louisiana Mr. Breidenstein prepared proposed location of a new pump station to be installed by Ralph J. Bunche Elementary</p>

TEC Professional Services Questionnaire

School (Russell St. Pump Station) in Jefferson Parish, Louisiana. These plans included an overall site plan, plan view and a typical section. Coordination with the project engineer to properly show the existing utilities, railroad and rights-of-way was very important in this project.

Alidore Drainage Improvements *Raceland, Louisiana*

Mr. Breidenstein prepared topographic and right-of-way drawings for the construction of a new drainage pumping station. The project involved a levee re-alignment, ditch re-grading and research into the BNSF railroad right-of-way. Site plans provided by Mr. Breidenstein were used to design better drainage for the surrounding area and proved to be more economical.

Westside-Alma Drainage Project (Alma-West Park) *Houma, Louisiana*

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

Lake Vista *New Orleans, Louisiana*

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

Breakwater Drive Improvements *New Orleans, Louisiana*

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

RR016 New Orleans Streets Topographic Surveys *New Orleans, Louisiana*

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Robert "Chris" Thompson Resident Inspector Supervisor
Project Assignment: Resident Inspector Supervisor
Name of Firm with which associated: All South Consulting Engineers, LLC 
Years' experience with this Firm: 11
Education: Degree(s)/Year/Specialization: Certificate of Completion, Drafting, Mapping and Planning, Coastal College
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project: <p>Mr. Thompson is a crew leader and resident/construction inspector with All South Consulting Engineers. In his capacity as an inspector, he monitors all aspects of construction reviews and on-site inspection. As resident inspector, he reviews specifications and plans for assigned project to ensure project is constructed as specified and drawn, inspects and monitors all work in progress, verifies that materials on site conform to specifications and drawings, monitors truckload deliveries, monitors concrete truck deliveries, photographs pertinent activities on jobsites showing construction details, witnesses tests performed by testing agency, logs notes on daily reporting forms, attends any required project meetings on site, lists any jobsite visitors, documents all health, safety or environmental incidents, documents work stoppage or delays, reviews daily notes for accuracy, and develops lists of outstanding information required to complete projects.</p> <p>East St. John High School Reserve, Louisiana Mr. Thompson provided construction surge inspections and documentation for Portland Concrete Road demolition and re-construction at East Saint John High School in La Place Louisiana. Mr. Thompson conducted pre-pour compaction and steel fabrication inspection and documentation to include jointing layout and utility placement under road. The roadway construction was conducted under extremely challenging conditions and in and around an active school requiring the establishment of bypass roads, temporary traffic controls, and nighttime construction to facilitate bus traffic twice a day. He monitored and oversaw the levee construction for over 1000 linear feet of earthen levee around East St. John High school conducted in standard 1" lifts.</p> <p>Bayou Country Sport Park Houma, Louisiana</p>

TEC Professional Services Questionnaire

Mr. Thompson was the construction inspector for the Bayou Country Sport Park development. This project included the construction of a roadway, waterline, sewer line, catch basins, and related drainage improvements for a 140-acre park development in Terrebonne Parish. The roadway is 3,300' long asphalt roadway, with two 11' travel lanes. It was constructed to 4" thickness to accommodate the traffic expected in the park, with a 12" base. The project included an 9' wide bike path adjacent to the roadway.

LaDOTD Slidell Roadways Rehabilitation CE&I Slidell, Louisiana

These 3 projects consist of Roadway rehab in Slidell and includes concrete and asphalt roadway work and other drainage improvements including the installation of multiple box culverts both next to and beneath the roadway. Mr. Thompson's responsibilities include: Inspector supervision and scheduling, monitor construction activity, coordinate inspection coverage, review daily reports, compile and reconcile completed quantities, review contractor invoices, sitemanager input, coordinate and perform liaison duties between owner-engineer-contractor, attend progress meetings, and coordinate materials testing for construction materials with LADOTD.

St. Charles Parish Roadway Maintenance St. Charles Parish, Louisiana

Mr. Thompson was an inspector for the St. Charles Parish Road Maintenance Project, which included asphalt patch repair and base work, plus asphalt cold plane and overlay. Mr. Thompson worked with contractor to determine repair locations for patching, verified quantities of all repairs, and maintained daily photo log.

DPW Capital Improvements Program –Audubon, Black Pearl, E Carrollton New Orleans, Louisiana

Mr. Thompson provides resident inspection services for the improvement of several streets throughout the neighborhoods in New Orleans, Louisiana which include repairs/improvements to sewer, water, and pavement. This project involves roadway pavement (asphalt, concrete, and composite), concrete sidewalks, driveways, curbs, and ADA Ramps based on storm related damages & constructability concerns. As resident inspector, Mr. Thompson reviews specifications and plans for assigned project to ensure project is constructed as specified and drawn, inspects and monitors all work in progress, verifies that materials on site conform to specifications and drawings, monitors truckload deliveries, monitors concrete truck deliveries, photographs pertinent activities on jobsites showing construction details, witnesses tests performed by testing agency, logs notes on daily reporting forms, attends any required project meetings on site, lists any jobsite visitors, documents all health, safety or environmental incidents, documents work stoppage or delays, reviews daily notes for accuracy, and develops lists of outstanding information required to complete projects.

Schneider Infrastructure Repairs Slidell, Louisiana

Mr. Thompson performed resident inspection for construction operations on the Schneider Infrastructure Repairs project which includes the rehabilitation of about 343 concrete road panels and over 11,920' of asphalt roadway in Slidell, Louisiana. This project involves asphalt and concrete roadways, concrete drives and sidewalks, RCP drainage, sewer, and Cured in place pipe (CIPP) repairs. Mr. Thompson was responsible for measuring field quantities, along with making daily reports, filling out all quantity books, and doing site managing/inspecting. Asphalt repairs included patching, milling/overlaying, and sub-base repairs – quantities were tracked daily. He assisted with generating each monthly pay estimate and change orders, and assisted with construction progress meetings when needed by the P.E.



W-14 Infrastructure Repairs Slidell, Louisiana

Mr. Thompson performed resident inspection for construction operations on the W-14 Infrastructure Repairs project which includes the rehabilitation of about 1,150 concrete road panels and over 5,500 of asphalt roadway in Slidell, Louisiana. This project involves asphalt and concrete roadways, concrete drives and sidewalks, RCP drainage, sewer, and cured in place pipe (CIPP) repairs. Mr. Thompson was responsible for measuring field quantities, along with making daily reports, filling out all quantity books, and doing site managing/inspecting. Asphalt repairs included patching, milling/overlaying, and sub-base repairs – quantities were tracked daily. He assisted with generating each monthly pay estimate and change orders, and assisted with construction progress meetings when needed by the P.E.

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>BAYOU COUNTRY SPORTS PARK Terrebonne Parish, Louisiana</p> <p>Terrebonne Parish Recreation District No. 2-3 Christopher Pulaski 622 Walker Drive, Houma, LA 70360 985- 873-6568</p> <div style="background-color: #003366; color: white; padding: 10px; margin-top: 10px;"> <p style="text-align: center; margin: 0;">PROJECT HIGHLIGHTS</p> <ul style="list-style-type: none"> Master Planning/Civil Design/Survey/ Permitting/ H&H Modeling/ CA/RI PCSWMM Modeling Design of Recreational Fields, Trails, Bike/Pedestrian Facilities & Features Road/Drainage/Sewer/Water Design Detention Ponds, Infiltration Basins, Subsurface Detention Systems </div> 	<p>All South Consulting Engineers, LLC is under contract to provide services to design and manage the construction of the ball fields, concession stands, sewer, water, roadway, parking, and drainage improvements for Terrebonne Parish Recreation District No. 2-3. This project demonstrates the ability of All South to manage comprehensive site development over multi acre property utilizing green infrastructure practices and work in coordination with other engineers and design firms and on-going construction projects.</p> <p>This site includes multiple uses (Baseball, Softball, Soccer, etc.), and each group has their own goals and requirements. In addition, the Parish Government has an interest in using this site as a regional storm water retainage area for the surrounding neighborhoods.</p> <p>All South is designing and managing the overall development of this site for the Rec District and is responsible for incorporating each of these factors into the development of the site. Our scope of work includes:</p> <ul style="list-style-type: none"> <i>Planning and design of a drainage system that drains the park and also provides additional reservoir capacity for the adjoining neighborhoods. This was done implementing typical multifunctional green infrastructure practices that utilize these drainage feature for both recreational uses and additional stormwater retention, using the greenspace as a retention pond for the neighborhood.</i> Overall coordination of all features (ballfields, concession stands, infrastructure) to ensure compatibility between features and with the surrounding area. <i>This included green parking areas utilizing fiber reinforced grass.</i> Concession stands at softball, baseball, and soccer complex Sewer improvements connecting to the existing sewer in the area Waterline improvements from the existing line along 311 to the development Roadway improvements from the end of street to be constructed to the parking lot Drive paths in the parking lot Roadside drainage improvements and drainage improvements from the ball fields to the larger drainage system 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
10/2025 est.	\$10,000,000	\$871,029

TEC Professional Services Questionnaire

PROJECT NO. 2								
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:							
<p>CARDIOVASCULAR INSTITUTE OF THE SOUTH (CIS) – GRAY CAMPUS <i>Gray, Louisiana</i></p> <p>Cardiovascular Institute of the South Joey Fontenot, COO 225 Dunn Street Houma, Louisiana 70360 (985) 876-0300</p> <div style="background-color: #003366; color: white; padding: 10px; margin-top: 10px;"> <p style="text-align: center; margin: 0;">PROJECT HIGHLIGHTS</p> <ul style="list-style-type: none"> Civil Design/Master Planning/Survey/H&H Modeling/ Const. Admin/Insp. PCSWMM Modeling Green Features: 2 Acre Retention Pond, Plant Section, Pervious Pavement, Surface Detention Systems, Landscaping, Decorative Lighting </div>	<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. <i>The project was designed in a way to utilize a 2-acre area at the rear of the property as a retention pond in order to manage rainfall runoff, reducing the impacts of the local drainage system and enhancing the aesthetic of the complex using green infrastructure practices.</i></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. <i>Using PCSWMM software, All South developed a hydraulic model which incorporated all the drainage features in the construction plans.</i> This model included calculations showing inlet capacities, pipe capacities, slopes of pavement, freeboard, etc.</p> <p>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"> 1500' of concrete roadway Subsurface and surface drainage improvements along this roadway <i>A two acre retention pond at the rear of the property to manage rainfall runoff</i> 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 1,460 LF of 8" PVC gravity main and associated concrete manholes and 6" services 2500' of waterline to service the site 							
 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center; padding: 5px;">Estimated Cost:</th> </tr> <tr> <th style="width: 50%; padding: 5px; text-align: center;">Entire Project:</th> <th style="width: 50%; padding: 5px; text-align: center;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">01/2021</td> <td style="text-align: center; padding: 5px;">\$3,493,332</td> </tr> </tbody> </table>		Estimated Cost:		Entire Project:	Work for which Firm was Responsible:	01/2021	\$3,493,332
	Estimated Cost:							
Entire Project:	Work for which Firm was Responsible:							
01/2021	\$3,493,332							
01/2021	\$3,493,332	\$492,732						

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>HWY 434 DRAINAGE MASTER PLAN AND RETENTION LAKE</p> <p><i>St. Tammany Parish, Louisiana</i></p> <p>Regional Planning Commission Karen Parsons 10 Veterans Blvd. New Orleans, LA 70124 (504) 483-8500</p> <div style="background-color: #003366; color: white; padding: 10px; margin-top: 10px;"> <p style="text-align: center; margin: 0;">PROJECT HIGHLIGHTS</p> <ul style="list-style-type: none"> Civil Design/ Hydrologic and Hydraulic Modeling/HEC-HMS/HEC-RAS Subsurface Drainage System >36" Green Infrastructure Features: Pervious Pavement, Bioswales, Retention Pond, Rain Garden, Infiltration Basin, Plant Selection, Decorative Lighting </div> <div style="text-align: center; margin-top: 20px;">  </div>	<p>All South Consulting Engineers worked with the Regional Planning Commission and St. Tammany Parish Government to provided master planning, hydraulic modeling, storm water planning, permitting, as well as engineering and design for a new roadway and related drainage improvements for the Highway 434 project.</p> <p><i>All South used HEC-HMS and HEC-RAS to develop rainfall hydrographs and water surface elevations for the newly proposed earthen drainage canal, culverts and retention pond for an 885-acre development near Lacombe, Louisiana. This retention lake is used to provide storm water retention for the Highway 434 Transportation Center, Learning Center and new High School properties. The retention areas were developed to preserve and enhance wetland areas.</i></p> <p>This project included improvements to existing roadside drainage ditches, provided new culvert crossings under Highway 434 for directing the storm water run-off from the developed sites to the retention lake, and <i>arranged for expanding the amount of area utilizing the retention lake to satisfy the design regulations for the Parish. Green Infrastructure Features included: Pervious Pavement, Bioswales, Retention Pond, Rain Garden, Infiltration Basin, Plant Selection, and Decorative Lighting.</i></p> <p>The roadway and site development plans included design widening Hwy 434 to three lanes with new box culverts and preparing driveways and parking lot for new school facility. The roadway design had to be performed to LaDOTD standards. Hydraulic analysis had to be performed at the canal crossings, and an environmental assessment was performed. The bridge and roadway sections were checked for compliance with LaDOTD guidelines.</p> <p>All South completed preliminary plans of new 5 – 4'X8' box culverts under Highway 434. Upon completion, development strategies changed which ultimately changed the design from box culverts to bridge. The approximate roadway centerline elevation is 31.5 and the channel invert is approx. 17.70. This channel bottom width is 40'. The estimated length of the bridge is 100' span and 42 feet wide consisting of 5 - 20' precast concrete spans with concrete pile bents and concrete piles. Other project features include all utilities both collection and distribution along with a new water tower and sewer treatment facility. The new drainage system includes a retention lake and drainage canals which vary from 24" subsurface piping to new canal over 200' wide with a 40' bottom width.</p> <p>Additionally, this project involved the parking lot and driveway for the new school facility. All internal roadways were designed for bus and pedestrian traffic. Since this was a school facility, pedestrian safety was the number one concern in the striping and signage details.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
08/2015	\$4,814,494	\$693,359


TEC Professional Services Questionnaire

PROJECT NO. 4						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>EAST ST. JOHN HIGH SCHOOL HAZARD MITIGATION</p> <p><i>St. John the Baptist Parish, Louisiana</i></p> <p>St. John the Baptist Parish School Board Patrick Sanders, Board Member 118 West 10th Street Reserve, LA 70084 (985) 536-1106</p> <div style="background-color: #003366; color: white; padding: 10px; margin-top: 10px;"> <p style="text-align: center; margin: 0;">PROJECT HIGHLIGHTS</p> <ul style="list-style-type: none"> Civil Design/Survey/H&H Modeling/ Permitting/Const Admin/Inspection HEC-HMS/HEC-RAS/ HYDR2009/ Rational Method Subsurface Drainage System >36" Green Infrastructure Features: Retention Pond, Hazard Mitigation Elements, Plant Selection </div> <div style="margin-top: 10px;">   </div>	<p>This project was federally funded through FEMA's 406 Hazard Mitigation grant program. As a condition of future FEMA assistance, FEMA required the School Board to install a flood protection system to withstand greater than a 100-year flood event. All South worked in conjunction with our client and other federal and local entities to design a system that would maximize flood protection to the campus, while minimizing impacts to the students and administrations use of the recreational areas on the school property. All South provided Civil Engineering and Design, Hydraulic and Hydrologic Modeling, Earthen and Sheet Pile Levee Engineering and Design, Topographic Survey, Permitting, Construction Administration and Inspection.</p> <p><i>The H&H methodology included a rational method analysis to size internal drainage lines and the drainage pump station, a hydrologic study using HEC-HMS to determine the discharge hydrograph in the drainage area, and an unsteady hydraulics analysis using HEC-RAS to determine water surface elevations in and outside of the high school site.</i></p> <div style="text-align: right; margin-right: 20px;">  </div> <p>Project components included:</p> <ul style="list-style-type: none"> 4,600 LF of earthen and sheet pile berm to mitigate effects of flooding Stormwater retention structures for additional floodwater storage capacity to mitigate the effects of future flood events Drainage upgrades Pump station: 3-30" vertical lift propeller pumps; 75 CFS; 30" discharge over flood protection A new parking lot and related paving repairs to the driveways Elevated entrance and exit ramps on to Airline Highway <p>All South's construction administration duties included assisting in verification of pay applications and required documentation for repairs and warranty information. Inspection duties included verification of survey data, contractor alignments and layout for construction, drainage invert elevations, materials testing and overall safety for construction activities. All South inspection personnel monitored testing and preconditioning of soil and levee structures, soil density testing in lifts, concrete base and material sampling and sheet pile wall construction. Inspection duties also included supervising daily traffic control of 29 buses and over 2,000 students in transits on a daily basis, construction and testing of drainage structures and damaged utilities cut or hindered during construction.</p>					
<p>Completion Date (Actual or estimated):</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 35%; padding: 5px;">Entire Project:</th> <th style="width: 35%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> <tr> <td style="text-align: center; padding: 5px;">\$1,347,921.58</td> <td style="text-align: center; padding: 5px;">\$111,299.58</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	\$1,347,921.58	\$111,299.58
Entire Project:	Work for which Firm was Responsible:					
\$1,347,921.58	\$111,299.58					
09/2017						

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">SOUTH CLAIBORNE AVENUE STREETSCAPE <i>New Orleans, Louisiana</i></p> <p style="text-align: center;">City of New Orleans Rick Hathaway Director of Public Works 1300 Perdido Street New Orleans, Louisiana 70112 (504) 508-0217</p> <div style="background-color: #003366; color: white; padding: 10px; margin-top: 20px;"> <p style="text-align: center; margin: 0;">PROJECT HIGHLIGHTS</p> <ul style="list-style-type: none"> Civil Design/Survey/Public Outreach/Construction Admin/Inspection Roadways, Drainage & Utilities Bike Paths, Pedestrian Walkways, ADA Improvements, Permeable Pavement, Decorative Lighting, Plant Selection, Landscaping </div>	<p>All South Consulting Engineers provided engineering design, organization of public outreach, procurement of survey and geotechnical information, as well as construction inspection services for street enhancements along S. Claiborne Avenue between Martin Luther King Jr. Blvd. and Napoleon Avenue, a vital commercial corridor in New Orleans. All South personnel held several town hall meetings to incorporate the public's ideas into the new corridor improvements. <i>These ideas included: Seating areas protected with decorative bollards for the local neighborhood residents to enjoy; Permeable paved areas for pedestrian movement and to reduce stormwater runoff into the neighborhoods; New decorative lights to enhance the usage of the walking path in the evening; Landscaping and lighting enhancements around existing monuments to enhance esthetics of the neighborhood.</i></p> <p>This project was constructed utilizing both CDBG and federal enhancement grants. All South developed the complete set of construction documents including plans and specifications, performed construction administration and resident inspection and completed the as-built drawings. Other features included in the design were new decorative sidewalks, driveway aprons and other pedestrian surface walkway improvements, ADA improvements, as well as bikeways, traffic, and pedestrian signalization. In the planning stages, careful consideration was required due to the large amount of vehicular traffic and pedestrian movements. This required great detail for signage, lighting, striping and signalization improvements.</p> <p>Plans also included vehicular and pedestrian signage, landscaping, lighting, public art, pocket improvements to curb, gutter, sidewalk, and roadway where necessary. Many of the pedestrian walkways utilized impervious pavers to allow for runoff to preserve plant growth.</p> <div style="text-align: center; margin-top: 20px;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
09/2015	\$2,046,999	\$292,000

TEC Professional Services Questionnaire

PROJECT NO. 6						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>TUDOR AND TALLULAH DRAINAGE AREA MASTER PLAN AND IMPLEMENTATION <i>Jefferson Parish, Louisiana</i></p> <p>Jefferson Parish Government Mitch Theriot, P.E., Director of Drainage 1221 Elmwood Park Blvd. Jefferson, Louisiana 70123 (504) 736-6753</p> <div style="border: 1px solid black; background-color: #003366; color: white; padding: 10px; margin-top: 20px;"> <p style="text-align: center; margin: 0;">PROJECT HIGHLIGHTS</p> <ul style="list-style-type: none"> Civil Design/ H&H Modeling/ Survey/ Permitting EPA SWMM Modeling Agency Coordination: DOTD, USACE, NOPB, CN and KCS, SLFPA-E </div>	<p>All South was selected by Jefferson Parish to analyze the drainage requirements in this project area. The Tudor and Tallulah project area includes several streets located in River Ridge, Louisiana and regularly experiences significant street flooding. The goal of this analysis was to provide a master plan that will eliminate street flooding due to the 10-yr, 24-hr rainfall event. This report included the study results, drainage recommendations and cost estimate with recommended phasing.</p> <p><i>All South performed a hydrologic and hydraulic analysis on each drainage area to examine the existing drainage patterns. Existing topography, culvert sizes and slopes were used to determine the adequacy of the existing system. A 10-year storm event with a rainfall of 7.8 inches in a 24-hour period was used to analyze each system. Peak flows were determined using the EPA SWMM method. Using the same design storm and criteria, an analysis of the required drainage capacity was also performed to help identify improvements. All South provided the study and recommendations with a cost analysis to improve the systems.</i></p> <p>As a result of this report, All South was tasked with the permitting, design and construction management of increased capacity collection system, new pumping station, and out fall system. Collection system improvements include the removal 1,000 feet of 54" reinforced concrete pipe (RCP) and installation of new 72" RC P. This process involves the relocation of several utilities and the design of concrete conflict box. This 72" RCP will be installed within a 96" steel pipe jack and bored under an existing CN Railroad track. As part of the permit, All South will design a cofferdam system for approval by CN Railroad. The new pumping station will have a 165 CFS capacity, generated with three vertical mixed flow pumps with controls. The out fall will consist of three (3) 36" steel pipes out falling into an existing drainage canal. The existing drainage canal will be outfitted with new concrete headwalls and bottom slab to prevent erosion.</p> <div style="text-align: center; margin-top: 20px;">  </div>					
<p>Completion Date (Actual or estimated):</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;">Entire Project:</th> <th style="width: 50%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> <tr> <td style="text-align: center; padding: 5px;">07/2017</td> <td style="text-align: center; padding: 5px;">\$238,207</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	07/2017	\$238,207
Entire Project:	Work for which Firm was Responsible:					
07/2017	\$238,207					
07/2017	\$238,207	\$238,207				

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">BAYOU VISTA DRAINAGE IMPROVEMENTS <i>Lafourche Parish, Louisiana</i></p> <p style="text-align: center;">Lafourche Parish Government Dillon Baronne Public Works Director 4876 LA-1, Mathews, LA 70375 985-532-8235</p> <div style="background-color: #003366; color: white; padding: 10px; margin-top: 20px;"> <p style="text-align: center; margin: 0;">PROJECT HIGHLIGHTS</p> <ul style="list-style-type: none"> Civil Design/Survey/Const Admin/Insp Hydraulic & Hydrologic Modeling Replacement of over 20 driveway culverts New drainage pump station </div>	<p>The Bayou Vista neighborhood is in Lafourche Parish and extends southwest from the high ground along Bayou Lafourche to the rear 40 Arpent Canal. Due to variations in the size of the drainage ditches, and the driveway culverts along this street, the neighborhood has suffered repeatedly from flooding issues at the rear of the neighborhood.</p> <p>All South conducted the necessary survey and field data collection work to support the development of an H&H model for the area using PCSWMM. The model results indicated the neighborhood actually flooded due to backwater conditions, where the 40 Arpent Canal would rise and naturally overflow into the neighborhood.</p> <p><i>Based on this model, All South developed a project plan to create larger drainage ditches to also serve as retention basins for the neighborhood, due to the limited space available. These basins were designed to feed into a proposed pumping station at the rear of the neighborhood, and the entire system was encapsulated by a ring levee.</i></p> <p>All South provided all design, H&H modeling, survey, and ROW acquisition services for the Parish. The required ring levee was to be placed on adjacent property that was owned by a separate landowner (on both sides of the neighborhood). All South led all negotiations with the landowners as part of this effort.</p> <p>The project is grant funded through the Louisiana Watershed Initiative program. All South is also handling all grant-related work, including the application, monthly monitoring calls, and required reporting throughout the project.</p> <div style="text-align: center; margin-top: 20px;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	\$2,857,763	\$1,357,763


TEC Professional Services Questionnaire

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">WESTSIDE BOULEVARD AND ALMA STREET DRAINAGE</p> <p style="text-align: center;"><i>Terrebonne Parish, Louisiana</i></p> <p>Terrebonne Parish Consolidated Government Jeannie Bray – Capital Projects 2000 St. Louis Canal Road Houma, LA 70364 985-873-6720</p> <div style="border: 1px solid black; background-color: #003366; color: white; padding: 10px; margin-top: 10px;"> <p style="text-align: center; margin: 0;">PROJECT HIGHLIGHTS</p> <ul style="list-style-type: none"> Civil Design/Survey/Hydrologic and Hydraulic Modeling/Const Admin/Insp HEC-HMS/HEC-RAS Modeling Subsurface Drainage System >36" </div> <div style="text-align: center; margin-top: 20px;">  <p style="text-align: center; color: #003366;"><i>Geometric Layout of the HEC-RAS Model</i></p> </div>	<p>The Alma Street intersection with Westside Boulevard has historically suffered from poor drainage, with repeated damage to commercial and residential structures in the area during heavy rains. The area was developed over 40 years earlier, and the drainage system has not kept up with the development. The Terrebonne Parish Consolidated Government selected All South to develop a plan to improve the drainage in the area and remedy this problem. All South's plan was broken down into 4 phases.</p> <ul style="list-style-type: none"> <i>Phase 1: culvert crossing improvements and ditch cleanouts on St. Louis Canal Road</i> <i>Phase 2: existing ditch improvements in roadside ditches between Marie Drive and St. Louis Canal Road</i> <i>Phase 3: improving the drainage system upstream of the ditches improved in Phase 2 from Alma Street to Marie Drive through increased culvert sizes and conversion of open ditch to subsurface culverts. Design of this phase has been completed and the construction bidding process has begun.</i> <i>Phase 4: All South's plan is to improve the drainage system from Alma Street to West Park Avenue (LA-24). This phase has been designed and submitted to Terrebonne Parish Consolidated Government for review.</i> <p>Using survey data and data on the existing culverts and sub-surface drainage in the area, All South developed a hydraulic and hydrologic model of the area to analyze the impacts of a 10-year storm event and a 25-year storm event. All South used the HEC HMS and HEC RAS in sequence to calculate overland flow, and to eventually size the drainage pipes. These models were used to develop a plan to increase the pipe sizes in the drainage system. The older pipes were much too small, and restricted water flow. The models were also used to project existing and proposed damage for a 25-year storm event as part of a benefit-cost analysis.</p> <p>The project includes the removal of 3,000 LF of existing drainage pipe. This existing pipe ranges in size from 18" to 24". This pipe is replaced with pipe ranging from 36" to 54" in diameter. Because this area has been developed for so long, there are significant sewer lines, power lines, water lines, and other utilities in the area. The planning for this project included measures to avoid these other utilities. All South developed a program that would make the overall project costs manageable and would lessen the impact to the residents and businesses.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing (07/2024 est.)	\$5,147,376.71	\$307,800

TEC Professional Services Questionnaire

PROJECT NO. 9						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>ALIDORE DRAINAGE IMPROVEMENTS AND STATEWIDE FLOOD APPLICATION <i>Lafourche Parish, Louisiana</i></p> <p>Lafourche Parish Government James Branes P.O. Box 425 Mathew, LA 70375 (985) 532-8235</p> <div style="background-color: #003366; color: white; padding: 10px; margin-top: 10px;"> <p style="text-align: center; margin: 0;">PROJECT HIGHLIGHTS</p> <ul style="list-style-type: none"> Civil Design/ H&H Modeling/ Survey/ Permitting/Const Admin/Insp HEC-HMS/HEC-RAS Modeling Subsurface Drainage System >36" </div> <div style="margin-top: 10px;">   </div>	<p>The Alidore Community State Flood Control Project involved:</p> <ul style="list-style-type: none"> Reconstructing an existing pump station with three (3) diesel engine driven 36" vertical lift pumps Widening existing drainage ditches to improve conveyance of storm water to the pump station Excavation of a system reservoir to provide additional storage capacity of storm water during major rain events Levee improvements to prevent overtopping from surrounding areas <p><i>This project was divided into two phases: Phase I Levee and Reservoir Improvements-cleaning out ditches, raising levees, and construction of the reservoir. Phase II will be to construct the new pump station.</i></p> <p>Design and Construction Administration</p> <p>All South prepared both a pre-application and a full application for funding of pump station, levee, and reservoir improvements for the Alidore Community in Central Lafourche Parish. The Alidore Community experienced severe rainfall flooding in 2009, and the Parish Government contracted with All South shortly thereafter to pursue state funding for flood control improvements. All South conducted surveying (topographic survey, hydrographic survey, prepared right of way plat for new pump station) and constructed a drainage model to analyze the system and develop a recommended plan for improvements.</p> <p><i>All South provided H&H modeling and calculations for the neighborhood's existing inadequate pumping capacity. This included full site evaluations, including field data collection and integration with the project owner to create a system model using HEC-HMS 3.4 and HEC-RAS 4.1.0 under pumped flow conditions. The model predicted a pumping configuration to maintain proper drainage elevations within proposed ditch improvements. All South sized the system for new pumping capacities and neighborhood drainage improvements including: improved ditch cross-sections, realignment of existing levee sections, and new pump and piping configurations to support the existing system.</i></p> <p>The design includes a new pump station with 3-36" pumps, as well as reservoir improvements close to the pump station. All South assessed the existing pumps as well to determine if those pumps could be improved and provided cost estimates.</p> <p>All South completed a search of the courthouse records for all affected landowners for all proposed work including ditch cleanout, levee modification, reservoir and pump station construction. Our firm compiled a map depicting all the affected landowners and has coordinated a meeting with the Public Works Department to begin acquiring the necessary land rights for the project.</p>					
<p>Completion Date (Actual or estimated):</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;">Entire Project:</th> <th style="width: 50%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> <tr> <td style="text-align: center; padding: 5px;">Ongoing</td> <td style="text-align: center; padding: 5px;">\$3,322,045</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	Ongoing	\$3,322,045
Entire Project:	Work for which Firm was Responsible:					
Ongoing	\$3,322,045					

TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>SILVERLEAF DRAINAGE STATEWIDE FLOOD APPLICATION <i>Gonzales, Louisiana</i></p> <p>Jackie Baumann, P.E. 120 South Irma Boulevard Gonzales, Louisiana 70737 (225)647-2841</p> <div style="background-color: #003366; color: white; padding: 10px; margin-top: 10px;"> <p style="text-align: center; margin: 0;">PROJECT HIGHLIGHTS</p> <ul style="list-style-type: none"> Civil Design/ H&H Modeling/ Survey/Const Admin/Inspection PCSWMM Modeling </div> <div style="margin-top: 10px;">  </div>	<p>The Southwood Subdivision is an existing, 135-acre development located within the City of Gonzales and the Ascension Parish 100-year floodplain. The subdivision experiences significant flooding during heavy rain events, which inundates both roadways and residences. The subdivision is designed to drain by curb and gutter and into two outfall ditches at the rear of the development. The two outfall ditches merge into a single ditch which enters into Boyle Bayou before eventually making its way into Bayou Conway.</p> <p>East Silverleaf Street drains from east to west via roadside ditches with culverts located under driveways, eventually discharging into one of the outfall ditches that drains Southwood. Flooding occurs when the two outfall ditches begin backing up during heavy rains, forcing water back into the Southwood Subdivision and up East Silverleaf Street.</p> <p>All South successfully procured a grant through the DOTD Statewide Flood Program to improve drainage in the area. <i>All South used PCSWMM to model existing and proposed improved conditions to the area and compute a benefit-cost analysis to support the project.</i></p> <p>The Silverleaf Flood Control Project includes improvements to the existing outfall ditches, earthen berms, earthen ditch blocks, an earthen retention basin, and a new drainage pump station. Improvements to the outfall ditches will be needed to more efficiently convey the water to the pump station more quickly. Earthen berms and ditch blocks will be constructed to isolate the forced drainage areas from surrounding areas and prevent a proposed pump station from pulling in water from outside our project area.</p> <p>A proposed drainage pump station will remove the water from this system and discharge into Bayou Conway at a much faster rate to eliminate the potential for flooding in the area.</p> <p>All South's survey crews performed all topographic surveying services for the project in support of design and modeling services for the project. Surveys included details cross sections of the outfall into Boyle Bayou, as well as of the surrounding drainage features in the Silverleaf neighborhood. Location Gonzales, Louisiana</p> <p>The project was approved through multiple funding rounds with DOTD. The City ultimately elected to buy out the properties and relocate the residents in lieu of the project.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
07/2018	\$1,223,500	\$23,500

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	Result: <i>Settled</i> <i>Filed 2019, Settled 2024</i> Industrial & Mechanical Contractors, Inc., vs. Parish of Jefferson, et al. – Indemnification – Bellemeade at Ginette, Third Party demand of indemnification on sewer pump station, IMC sued Jefferson Parish for breach of contract, Jefferson Parish named All South for indemnification
2.		
3.		
4.		

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



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

» SPECIALIZED EXPERIENCE «

All South has substantial experience in the Civil Engineering, Project Management, Land Surveying, and Resident Inspection services pertinent to the scope of work outlined in the request for this proposal. ***We offer a plethora of experience with projects to alleviate roadway and drainage issues, including many years of experience in the design and construction management of Jefferson Parish Projects.***

DRAINAGE, FLOOD CONTROL, AND HAZARD MITIGATION

All South has significant experience with projects to alleviate drainage issues. The knowledge and experience of our staff, paired with the use of innovative software, allows us to develop hydraulic and hydrologic models and relevant drainage calculations to give an end product that addresses the entire drainage system for each project. Experience includes:

- Pre and post drainage calculations
- Culvert sizing and design
- Horizontal and vertical conflict resolution
- Permitting processes
- Green infrastructure
 - Pervious pavement; Bioswales; Detention ponds; Rain gardens; Infiltration basins
 - Subsurface detention systems

TEC Professional Services Questionnaire

GREEN INFRASTRUCTURE

Our team has demonstrated our proficiency at handling the challenges associated with delivering multiple design projects while satisfying both the goals of our clients and the needs of our community. ***We have vast experience working on green infrastructure projects that run the gamut of stormwater management solutions from detention and filtration systems to the design of pervious paving areas and even street interventions.*** The team that we have built for this proposal includes local designers and experts in environmentally conscious infrastructure that promotes all facets of community, from local gatherings to health and fitness, and recreation. Our designs, such as our work on several pedestrian walkways and bike paths and also recreational facilities, aim to enhance the well-being of our local community and contribute to improved health outcomes. The All South team showcases an expertise in working within our community and getting the most of green spaces that will promote recreation and healthy outcomes.



Our projects involve multiple facets showcasing aptitude for addressing the needs of pedestrians, transit users, bicyclists, and other various members of the community by utilizing our expertise in civil engineering and the design and development of both existing and proposed urban environments. We have put various innovative concepts into practice such as green parking, up lighting features that maintain accessibility and visual appeal, ***utilizing plants/earthen rocks/sustainable materials for the filtering of storm water and enhancing stormwater retention.***

All South has also worked on other multiple projects that display green infrastructure practices, as well. Our recent Bayou Country Sports Park Project includes significant Green Infrastructure components such as ***Pervious Pavement, Bioswales, Detention Ponds, Rain Gardens, Infiltration Basins, Subsurface Detention Systems, Plant Selection, and Decorative Lighting.*** For this project, a park-wide stormwater systems collects excess runoff from the entire site and ties to an on-site bayou that feeds the park-wide irrigation system, reducing the water demands for both our client and the local system. The project also ties into the local drainage system providing needed additional storage capacity for the local neighborhood during large rain events.



HYDRAULIC AND HYDROLOGIC MODELING

All South has significant experience with projects to alleviate drainage issues. The knowledge and experience of our staff, paired with the use of innovative software, allows us to develop hydraulic and hydrologic models that provide our clients with the information they require to address key issues with their stormwater infrastructure systems before the design phase begins, thus, allowing them to save valuable dollars developing the scope of work and incorporating those savings into more solutions and improvements.



Our personnel assigned to this project are experienced in developing Hydraulic and Hydrologic models and assessing multiple simulations for different time periods and recurrence intervals in order to detect areas at risk of inundation within a project area and where mitigation efforts can be applied to reduce the impacts of flooding. Our personnel are also well versed in developing scopes of work to mitigate these impacts and providing recommendations based on priority of impacts that provide positive ratios of benefit to cost.

TEC Professional Services Questionnaire

LAND AND HYDROGRAPHIC SURVEYING

All South's Surveying Division has provided surveys for several parishes, municipal, and state organizations that range from topographic surveys for design of new facilities and infrastructure to bathymetric surveys for coastal restoration and drainage maintenance. All South capabilities and services include but are not limited to:

- | | |
|-----------------------------|------------------------|
| ✓ Boundary/ALTA-NSPS Survey | ✓ GIS Data Acquisition |
| ✓ Construction Survey | ✓ HDS Laser Scanning |
| ✓ Control Survey | ✓ Hydrographic Survey |
| ✓ Data Processing | ✓ Pipeline Survey |
| ✓ Elevation Survey | ✓ Topographic Survey |
| ✓ Expert Witness | ✓ Right of Way |



» PROFESSIONAL TRAINING AND EXPERIENCE «

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

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

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

MINIMUM REQUIREMENTS FOR SELECTION

- 1. The persons or firms under consideration shall have at least one (1) principal who is a licensed, registered professional engineer in the State of Louisiana.***
 - Timothy P. Bonura, P.E. and Jens J. Nielsen, P.E. are Principals of the firm and are registered Professional Engineers in the State of Louisiana
- 2. The persons or firms under consideration shall have a professional in charge of the Project who is a licensed, registered professional engineer in the State of Louisiana with a minimum of five (5) years' experience***
 - Timothy P. Bonura, P.E. – *Principal in Charge, Professional Civil Engineer* – 31 years' experience
 - Jens J. Nielsen, P.E. – *Principal, Professional Civil Engineer* – 33 years' experience
 - Stephen Bourg, P.E. – *Vice President, Professional Civil Engineer* – 31 years' experience
 - Jarret Bauer, P.E. – *Professional Civil Engineer* – 18 years' experience
 - Jack Hingle, P.E. – *Professional Civil Engineer* – 46 years' experience
 - Emily Newell, P.E. – *Professional Civil Engineer* – 12 years' experience
 - Barry Breaux, P.E. – *Professional Civil and Environmental Engineer* – 7 years' experience
 - John S. Teegarden, P.E. – *Principal, Professional Land Surveyor* – 35 years' experience
 - Taylor Casteigne, P.E. – *Professional Land Surveyor* – 9 years' experience
- 3. The persons or firm submitting a Statement of Qualifications shall have one employee who is a professional engineer registered in the State of Louisiana in the applicable discipline involved.***
 - Same as number 2.

TEC Professional Services Questionnaire

- Dana Brown and Associates will satisfy Landscape Architecture needs
- Quality Engineering and Surveying, LLC will provide Civil Engineering Support, Landscape Architectural Support, and Construction Administration
- The Beta Group Engineering and Testing, LLC will provide Geotechnical Engineering and Materials Testing services

» FIRM CAPABILITIES AND FIELD EQUIPMENT «

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

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

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 «

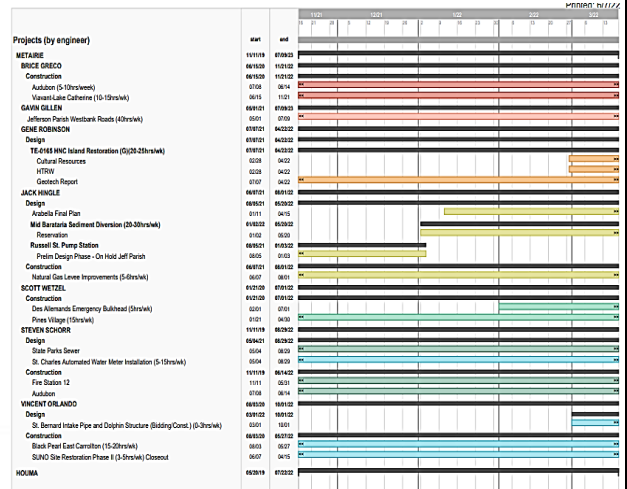
The All South staff includes 74 professionals driven to excellence and focused on our clients' needs. We are made up of 14 Louisiana Licensed Professional Engineers, 8 Engineering Interns, 2 Professional Land Surveyors, and 14 program and grant management personnel. Our staff also includes program managers, CADD technicians/draftsmen, grant specialist, field monitors and administrative support staff, all of which provide years of experience to help ensure that our work is exceptional.

TEC Professional Services Questionnaire

» CAPACITY FOR TIMELY COMPLETION «

With 74 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.



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

» PAST PERFORMANCE «

Over the past 21 years, All South has developed an outstanding reputation as one of the Gulf South's leading Engineering and Surveying firms. Aside from our technical experience, All South stands out amongst competitors because of our unrivaled devotion to our clients and ability to meet their needs. Our past performance within Jefferson Parish has given us a keen and nuanced understanding of the inner working of the various Parish departments, as well as the likings and needs of the Parish as a whole.

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

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

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

TEC Professional Services Questionnaire

» 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.

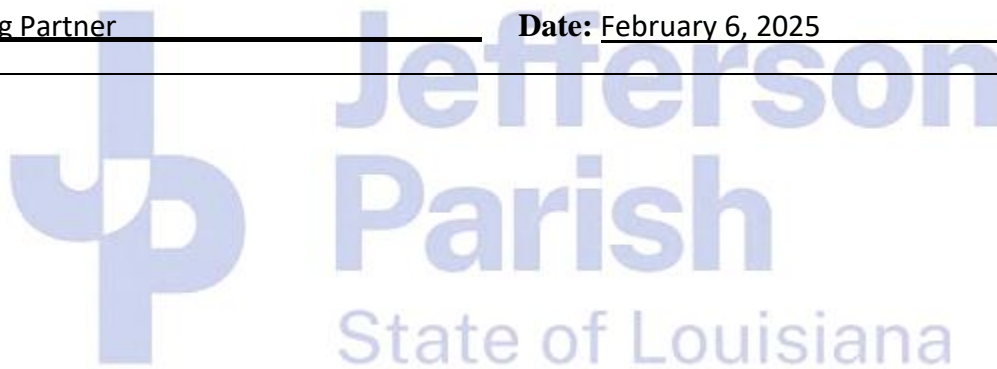
O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature:  _____

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

Title: Managing Partner

Date: February 6, 2025



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Sala Avenue Historic District Drainage Feasibility Analysis and Improvement Project

B. Firm Name & Address:

Dana Brown & Associates

1836 Valence Street
New Orleans, LA 70115

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

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

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

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

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

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

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

(NO)

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

TEC Professional Services Questionnaire

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

1. N/A

2. N/A

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

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

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

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

 N/A

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Dana Nunez Brown, President

Project Assignment:

Landscape Architect

Name of Firm with which associated:

Dana Brown & Associates, Inc.

Years' experience with this Firm:

20

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

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

PROJECT NO. 1

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

PROJECT NO. 2

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

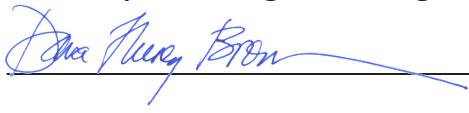
Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A	N/A	N/A
2. N/A	N/A	N/A
3. N/A	N/A	N/A
4. N/A	N/A	N/A

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

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

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

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

Signature:  Print Name: Dana Nunez Brown

Title: President Date: 2025.01.16

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ No. 25-005 – Sala Avenue Historic District Drainage Feasibility Analysis and Improvements

Project Resolution No. 145576

B. Firm Name & Address:

Quality Engineering & Surveying, LLC
18320 Hwy 42
Port Vincent, LA 70726

**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:**

Deric J. Murphy, PE, LSI
President | Principal in Charge
18320 Hwy 42
Port Vincent, Louisiana 70726
(225) 698-1600
dmurphy@qesla.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.

Deric J. Murphy, PE, LSI
President | Principal in Charge
18320 Hwy 42 Port Vincent, Louisiana 70726
(225) 698-1600
dmurphy@qesla.com

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

<u>9</u> Administrative	___ Estimators	___ Specification Writers
___ Architects (Licensed)	___ Geologists	___ Structural Engineers
___ Chemical Engineers	___ Geotechnical Engineers	___ Graduate Engineers
<u>8</u> Civil Engineers	___ Interior Designers	<u>12</u> Project Managers
___ Construction Inspectors	<u>1</u> Landscape Architects	<u>4</u> Clerical
___ Ecologists	<u>7</u> Land Surveyor	<u>4</u> Grant/Funding
___ Electrical Engineers	___ Mechanical Engineers	___ Sanitary Engineers
<u>3</u> Engineer Intern	___ Environmental Engineers	
<u>3</u> Professional Land Surveyors		<u>51</u> TOTAL

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

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

TEC Professional Services Questionnaire

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

1. Technical - Civil Engineering - Design & Hydraulic Modeling

2. Technical - Topographic & Boundary Surveying

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

YES

☐

NO

☒

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

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

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

N/A

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Deric J. Murphy, PE, LSI
President | Principal in Charge

Project Assignment:

Principal In Charge

Name of Firm with which associated:



Quality Engineering & Surveying, LLC

Years' experience with this Firm:

15 years with QES

28 years in total in industry

Education: Degree(s)/Year/Specialization:

Bachelor degree in Civil Engineering from Louisiana State University-1996

Active registration: Year first registered/discipline:

Professional Engineer No. 0029602

First Registered- 2001

Other experience and qualifications relevant to the proposed Project:

Mr. Murphy is the QES principal in charge and serves as president. He is a licensed Civil Engineer and Land Surveyor Intern with 25 years of experience designing, reviewing, surveying, and managing multiple types of projects for both public and private sectors. He works on and provides advisory services for civil design, land development projects, master planning, feasibility studies, due diligence and codes and ordinance research. Mr. Murphy engages in all project phases including conceptual design, cost estimating, final design, construction administration, public outreach, and interaction with relevant governmental agencies.

Breaux Bridge Manor Drainage Improvements

QES was selected to complete the studies and design of the Breaux Bridge Manor Drainage Improvement project. The project will remove an existing box culvert that is set at the wrong elevation along Doyle Melancon Road in Breaux Bridge, LA. A larger culvert will replace the existing culvert and will be set at the appropriate elevation to ensure proper conveyance of water in the drainage area.


Ethel Street Drainage Project, Madison Parish

Quality Engineering & Surveying was selected to provide engineering service to improve drainage in the Ethel Street area of the City of Tallulah. During hard rain events the streets are overtopped with water and residential structures flood. This project required completing a study of 45 acres and will be a substantial overhaul of the existing drainage structures to protection to resident up to a 25 year event.

Boudreaux to Gilmore Drainage Improvements, St. Mary Parish

Mr. Murphy is the Principal Design Engineer on this project. His role included civil site design and project oversight. The Boudreaux Street to Gilmore Drive Drainage Improvements project will convert a 1,117 lineal feet earthen ditch into a subsurface drainage system that backs- up and causes water to pond in a residential subdivision in which houses flood on a regular basis.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Jay LeBlanc Jr., PE	COO, Senior Engineer
Project Assignment:	
Engineering Manager	
Name of Firm with which associated:	
 Quality Engineering & Surveying, LLC	
Years' experience with this Firm:	
4 years with QES	26 years in total in industry
Education: Degree(s)/Year/Specialization:	
Bachelor degree in Civil Engineering from Louisiana State University-1997	
Active registration: Year first registered/discipline:	
Professional Engineer No. 30566	First Registered- 2003
Other experience and qualifications relevant to the proposed Project:	
<p>Jay Leblanc is the Chief Operating Officer at QES. Mr. LeBlanc has over 22 years of experience in project management, civil design, and environmental services. Most recently, he was responsible for managing and leading office engineers and designers focusing on utilization, forecasting, and mentoring. After graduating from LSU in civil engineering in 1997, he has worked for both local and national level firms, gaining a wide range of knowledge associated with commercial site design. As a project engineer and manager, Mr. Leblanc has experience on multiple road and dredging projects, a multi-story parking garage, new airport terminal facility, multiple sanitary sewer lift stations, port bulkhead projects, as well as experience with environmental projects such as subsurface site investigations, groundwater sampling, and landfill quality assurance/quality control.</p> <p>LADOTD – Stage 0 Feasibility Studies and Stage 1 Planning and Environmental Studies Managed Stage 1 Planning and Environmental Studies for an 8-mile portion of LA 447 in Livingston Parish, LA, and for the Future I-49 South (Raceland to Westbank Expressway) in Jefferson, Lafourche, and St. Charles Parishes, LA. Services include Line and Grade Study, Environmental Assessment, and Conceptual Design. Managed Stage 0 Feasibility Studies for LA 384 between Big Lake Road and McNeese Street (LA 3186) in Lake Charles, LA and for LA 328 corridor between Latiolais Drive and Julie Street, as well as to the LA 328 interchange with I-10 in Breaux Bridge, LA. Services included examining the feasibility of making capacity and mobility improvements.</p> <p>FEMA Individual Assistance – Technical Assistance Contract: Oversaw statewide property feasibility assessment for both group and individual housing solutions of displaced residents resulting from Hurricanes Katrina and Rita. Managed assessment process of 35,000 individual properties including over 200 engineers, technicians, and support staff, for potential group and individual housing. Coordinated assessment process with USACE to ensure quality control of preliminary site selections. Reported and tracked daily field activity by utilizing real-time web-based tools. Coordinated screening, hiring, and training of potential assessors.</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Eric Weis, PE, CFM
Water Resource Engineering Manager

Project Assignment:

Project Engineer

Name of Firm with which associated:


Quality Engineering & Surveying, LLC

Years' experience with this Firm:

0.5 years with QES

25 years in total in industry

Education: Degree(s)/Year/Specialization:

Bachelor degree in Civil Engineering from Colorado State University-1999

Active registration: Year first registered/discipline:

Colorado Professional Engineer # 39870

First Registered-2005

Other experience and qualifications relevant to the proposed Project:

Bringing over 25 years of senior-level expertise in civil engineering, Eric Weis, PE, CFM, recently joined Quality as a Senior Project Engineer. Throughout his distinguished career, Eric has demonstrated leadership in various roles, from leading teams in project design and managing budgets efficiently to overseeing stormwater divisions and implementing alternative project delivery techniques. His experience encompasses supervising construction contracts, establishing workflows for project execution, and providing strategic input on complex technical issues. With a focus on drainage and flood control infrastructure, Eric has successfully managed capital construction design projects and played a pivotal role in obtaining approvals for significant stormwater initiatives.


Stormwater Division Manager - City of Greeley Public Works Department

Mr. Weis played a pivotal role in guiding the city's stormwater and flood control initiatives. Leading a team of nine professionals, he strategically collaborated with various organizations, including adjacent municipalities and irrigation companies, to achieve common flood control and water quality goals. Additionally, he spearheaded the overhaul of stormwater design and construction standards and developed impactful workflow processes for floodplain development and stormwater quality permits. Among his major achievements, Mr. Weis secured and utilized an \$8,000,000 revenue bond under the City of Greeley Stormwater Enterprise, facilitating the construction of the city's largest storm drainage system and other critical flood control assets.


Senior Drainage Engineer - Adams County Transportation Department

Mr. Weis served as the primary advisor to the Transportation Director, specializing in drainage and flood control infrastructure within Adams County, Colorado. His role involved ensuring the seamless integration of transportation and stormwater projects to optimize the effective use of public funds. Mr. Weis administered the Adams County Floodplain Management Program, overseeing the approval of Floodplain Use Permits and applications for Conditional Letter of Map Revision (CLOMR) and Letter of Map Revision (LOMR) in accordance with FEMA guidelines. His responsibilities extended to managing the Drainage and Flood Control Master Planning program for Adams County, participating in the development, review, and approval of comprehensive master plans in coordination with relevant authorities. Additionally, Mr. Weis played a crucial role in prioritizing storm drainage and flood control projects, including urban retrofit design and construction projects in southern Adams County. Mr. Weis also authored Adams County's current floodplain regulations, positioning the county as the first to comply with the new State of Colorado floodplain regulations.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Mason Bonano, PE Municipal Project Engineer & Manager	
Project Assignment:	
Project Manager	
Name of Firm with which associated:	
 <div style="display: inline-block; vertical-align: middle; margin-left: 10px;">Quality Engineering & Surveying, LLC</div>	
Years' experience with this Firm:	
2 years with QES	7 years in total in industry
Education: Degree(s)/Year/Specialization:	
Bachelor degree in Civil Engineering from Louisiana State University-2017	
Active registration: Year first registered/discipline:	
Professional Engineer No. 0029602	First Registered- 2020
Other experience and qualifications relevant to the proposed Project:	
<p>Mr. Bonano has just started working at Quality Engineering & Surveying, LLC. He has previously served as Project Manager and Engineer at Stuart Consulting Group, Inc. where he specialized in Project Management, Construction Administration, Generating Cost Estimates, CAD Designs, Drainage & Pump Calculations, Utility & Client Coordination, and Generating Specifications on municipality projects</p> <p>Livingston Parish Gravity Drainage District No. 1 Watershed Program Management Mr. Bonano now oversees all construction and development for the Livingston Parish Gravity Drainage District No. 1 as the program manager. QES also served as the professional of record reviewing all development within the district. Mr. Bonano additionally bridged the gap between the mission of the Livingston Parish Gravity Drainage District No. 1 and the Community Rating System to benefit the City of Denham Springs.</p> <p>West David Drive Drainage Improvement Mr. Bonano is the project manager of the West David Drive Drainage Improvement Project where he led the grant department in the procurement of necessary funds from the 2016 floods HMGP for an existing neighborhood. This project involved the study and development of plans for the installation of a new subsurface system along the street to provide a clear path to the outfall location. This affects approximately 50 homes.</p> <p>River Road Drainage Improvement Project As the project manager, Mr. Bonano led the QES team through the HMGP process for the River Road Drainage Improvement Project. This project was necessary to address the flooding issues that existed with cross-drain culverts in an existing neighborhood. This project involved the study and development of plans for the installation of a new subsurface system along the street to provide a clear path to the outfall location. This affects approximately 1000 single home properties</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Buck Patton, IV, PE Project Engineer	
Project Assignment:	
Project Engineer	
Name of Firm with which associated:	
 Quality Engineering & Surveying, LLC	
Years' experience with this Firm:	
0.5 years with QES	5 years in total in industry
Education: Degree(s)/Year/Specialization:	
Bachelor degree in Civil Engineering from Louisiana State University-2019	
Active registration: Year first registered/discipline:	
Louisiana Professional Engineer # 48880	First Registered-2024
Other experience and qualifications relevant to the proposed Project:	
<p>Buck Patton IV, PE, is a dynamic and highly skilled Project Engineer at Quality Engineering & Surveying, LLC (QES), specializing in Hydrologic and Hydraulic (H&H) Studies. A 2019 graduate with a Bachelor of Science in Civil Engineering from Louisiana State University, Buck has quickly developed a robust portfolio in water resources engineering. His expertise spans advanced software tools including Civil 3D, HydroCAD, HEC-RAS, and SSA, equipping him to tackle complex site and subdivision development projects. Prior to joining QES, Buck refined his skills at Novus Reb Engineering and Forte and Tablada, where he led drainage plan designs, managed stormwater system projects, and contributed to innovative infrastructure solutions to alleviate flooding. His hands-on experience and proactive approach in educating junior staff demonstrate his commitment to engineering excellence and team development.</p> <p>Engineering Intern for Novus Reb Engineering At Novus Reb Engineering, Buck Patton IV excelled as an Engineer in Training, where he took the lead on a variety of drainage projects, including the design of stormwater systems and the development of comprehensive Drainage Analysis Studies for multiple cities. His responsibilities encompassed analyzing drainage watersheds and spearheading the design process for storm analysis. Buck also demonstrated leadership in training and guiding student workers, enhancing their practical knowledge and skills in civil engineering practices. His ability to manage complex projects and mentor junior team members has proven invaluable in his role.</p> <p>CAD Technician & Engineering Intern – Forte and Tablada During his tenure at Forte and Tablada, Buck Patton IV served as a CAD Technician and Engineer in Training, where he significantly contributed to diverse civil engineering projects. His work included designing a cross drain to effectively alleviate flooding in a rural area and overseeing a road milling project. Additionally, Buck was responsible for creating Right-of-Way (ROW) maps using MicroStation, showcasing his technical proficiency and detailed understanding of project requirements. His efforts during this period underscored his capability to address and solve engineering challenges with innovative solutions.</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Vincent Orlando, PE Project Engineer

Project Assignment:

Project Engineer

Name of Firm with which associated:

Quality Engineering & Surveying, LLC


Years' experience with this Firm:

2 years with QES

7 years in total in industry

Education: Degree(s)/Year/Specialization:

Bachelor degree in Civil Engineering from Louisiana State University-2017

Master degree in Engineering Management from University of New Orleans-2022

Active registration: Year first registered/discipline:

Professional Engineer No. 46350

First Registered- 2022

Other experience and qualifications relevant to the proposed Project:

Mr. Orlando serves as a professional engineer for Quality Engineering & Surveying, LLC, specializing in turn-key design-build residential, commercial land development, and major roadway projects in South Louisiana. His duties and responsibilities include project management, engineering QA/QC, and project planning and coordination. In addition to managing large-scale land development projects, he also helps manage a workflow of smaller, shorter-term municipal and commercial site projects for architects, contractors and engineers.

Bayou Country Sports Park Soccer Expansion

Mr. Orlando developed site, grading, and drainage plans for the soccer field expansion project at Bayou Country Sports Park in Houma, LA. The project consisted of two full-size natural turf soccer fields with subsurface drainage, lighting, and irrigation, a beach volleyball court, 700 linear feet of asphalt roadway, and a limestone parking lot. Mr. Orlando developed a design that met the budgetary and technical constraints that the park required and phased the project in a way that best suited the park's desired timeline


Black Pearl East Carrollton RR009 New Orleans, Louisiana

Mr. Orlando performed construction administrative tasks since taking over the project during construction.


Responsibilities for this project include ensuring FEMA funding source compliance, meeting City of New Orleans regular progress milestones, and tracking field progress through on-site inspection and quantity reports.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:


Name & Title:	
Christian Hoppmeyer Engineering Intern	
Project Assignment:	
Engineering Intern	
Name of Firm with which associated:	
	Quality Engineering & Surveying, LLC
Years' experience with this Firm:	
1.0 years with QES	2 years in total in industry
Education: Degree(s)/Year/Specialization:	
Bachelor degree in Environmental Engineering from Louisiana State University-2023	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	
<p>Christian graduated with a degree in Environmental Engineering from Louisiana State University in December of 2023 and has just started with Quality as an Engineering Technician. His academic background includes hands-on experiences in projects focusing on drainage and municipal wastewater during his undergraduate years. Notably, he excels in using ArcGIS to create data structures for the retrieval and analysis of spatial data. Additionally, Christian played a pivotal role in winning 1st place in the Rural Wastewater Reuse Bench Scale Competition at the 2023 WERC Environmental Design Contest. His responsibilities included designing the ultrafiltration membrane system and presenting solutions to industry experts, showcasing his expertise in wastewater treatment innovation. Moreover, as part of the LSU University Lake Watershed Drainage Study, he contributed to the preliminary design of a stormwater drainage system using SWMM and EPANET. Christian's diverse experiences highlight his proficiency and dedication in the field of environmental engineering.</p> <p>WERC Environmental Design Contest 2023 – 1st Place Team Member Mr. Hoppmeyer's team won 1st place in the Rural Wastewater Reuse Bench Scale Competition at the 2023 WERC Environmental Design Contest. His team was charged with innovating the process for treating wastewater for rural communities in New Mexico. Christian was responsible for designing the ultrafiltration membrane system. After completing their design, the team was responsible for presenting their solutions to a board of professional engineers and drainage experts while in competition with teams representing Research Universities from all over the United States.</p> <p>LSU University Lake Watershed Drainage Study As a student, Christian was a part of the team that analyzed how the watershed of the Southdown area of Baton Rouge which drained into University Lake at LSU. The team calculated the annual watershed for the area while predicting pathways. Mr. Hoppmeyer was responsible for using SWMM and EPANET in the preliminary design of a possible stormwater drainage system.</p>	

TEC Professional Services Questionnaire


KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Christopher Cook CAD Production Manager	
Project Assignment:	
CAD Production Manager	
Name of Firm with which associated:	
 Quality Engineering & Surveying, LLC	
Years' experience with this Firm:	
5 years with QES	27 years in total in industry
Education: Degree(s)/Year/Specialization:	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	
<p>Mr. Cook has over 25 years of experience as a project designer and CAD Technician. He has worked for a variety of firms throughout Texas and Louisiana, gaining new skills and expertise to add to his repertoire. At QES, Mr. Cook is the Production Manager, leading the other techs and designers on the engineering team in creating superior work that is on deadline and on budget.</p> <p>Move BR – Jefferson Hwy. at Corporate Blvd. Intersection Improvements QES's team was selected to provide survey and engineering services for the design upgrades to the intersection of Jefferson Hwy at Corporate Blvd. Mr. Cook oversaw processing all field data and creating exhibits.</p> <p>Move Ascension – HNTB IDIQ MSA (ROW Staking & Maps) MoveAscension selected HNTB and QES for their IDIQ contract. Work included boundary resolution and field reconnaissance to recover existing property corners to establish the existing right-of-way locations, recovery of pre-existing control for the design plans prepared by others, and staking of the roadway right-of-way, centerline, and curb lines. Mr. Cook was in charge of processing all field data and creating required plats.</p> <p>Hidden Lakes Subdivision Livingston Parish Drainage District #1 awarded QES the surveying and engineering project of conducting a topographic survey and performing a hydrologic and hydrologic study of the area. Mr. Cook was in charge of processing all field data and creating the final subdivision plats and as-built surveys for each phase of the subdivision.</p> <p>Rising Oaks Subdivision This project is a new subdivision being developed with D.L. Horton in Livingston Parish. Mr. Cook was responsible for processing all field data, creating a boundary and topographic survey and helping create the preliminary subdivision plat.</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:	
Aaron Brown Engineering Technician	
Project Assignment:	
GIS Analyst / CAD Technician	
Name of Firm with which associated:	
	Quality Engineering & Surveying, LLC
Years' experience with this Firm:	
4 year with QES	7 years in total in industry
Education: Degree(s)/Year/Specialization:	
Associates degree in Pre-Engineering from Baton Rouge Community College - 2016	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	
<p>Mr. Brown graduated with an Associates Pre-Engineering degree with a focus in Civil Engineering from Baton Rouge Community College in 2016. He has over 5 years of CAD/GIS experience. Mr. Brown has worked on a variety of site development planning projects, roadway design projects, right of way acquisition projects, stormwater management projects, resilient infrastructure planning projects and GIS database maintenance projects. At QES, his responsibilities include civil site design and GIS database management. Mr. Brown is currently working to obtain his GISP certification.</p> <p>Calcasieu Parish Storm Water Master Plan Mr. Brown created an online GIS database of critical infrastructure, RL/SRL properties, flood risks, demographic information, and parish drainage projects for the Calcasieu Parish Watershed Master Plan. The Calcasieu Parish Watershed Master Plan project helped to determine areas in need of improvements to mitigate flood risks and included maintaining a GIS database of known infrastructure, risk modeling, and local stakeholder meetings to determine high priority areas of concern.</p> <p>Hurricane Harvey Disaster Recovery (FEMA PREPS Program) Mr. Brown was a member of the team responsible for the Hurricane Harvey Disaster Recovery through the FEMA PREPS Program. Mr. Brown was responsible for analyzing applicants to determine allocation of disaster recovery resources. The PREPS program provided emergency repairs and power restoration to single-family owner-occupied homes after Hurricane Harvey in Texas.</p> <p>Livingston Parish Gravity Drainage District 1 GIS Mapping System Mr. Brown created an online GIS system to manage field collected data for the Livingston Parish Gravity Drainage District 1. Mr. Brown currently maintains data uploaded to the GIS system and performs QA/QC. The Livingston Parish Gravity Drainage District 1 GIS Mapping system allows for multiple field crews to upload drainage related data to a single database which will be used to direct resources to areas of concern.</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Jeff Diamond, PLS Principal Professional Land Surveyor	
Project Assignment:	
Professional in Charge of Project	
Name of Firm with which associated:	
	Quality Engineering & Surveying, LLC
Years' experience with this Firm:	
4 years with QES	21 years in total in industry
Education: Degree(s)/Year/Specialization:	
Bachelor's degree in interdisciplinary studies from Louisiana State University-2017	
Active registration: Year first registered/discipline:	
LA Professional Land Surveyor No. 0005186	First Registered- 2017
Other experience and qualifications relevant to the proposed Project:	
<p>Jeff Diamond, PLS currently serves the departmental manager for the residential development department, as well as the Principal Professional Land Surveyor of the firm and has been with Quality Engineering & Surveying, LLC for 4 years. He has 17 years' experience and before joining QES, Jeff Diamond has served as Sr. Civil Designer; Sr. Party Chief; Supervising Professional and Chief Land Surveyor. Mr. Diamond has expertise and experience in commercial and industrial site development (horizontal and vertical control network, topographic and boundary surveys, as-built survey, geometric design, H&H analysis, Utility placement, regulatory compliance, plan development, construction layout, construction administration, inspections, quality control surveys. He has worked on variety of commercial, residential, municipal, industrial, transportation, and right-of-way projects. With his experience he has produced plats (including but not limited to boundary, topographic, as-built, ALTA/ACSM and right-of-way acquisitions), elevation certificates and quantity calculations.</p> <p>Chappapeela Drainage Improvement Project Mr. Diamond serves as Survey Manager for the Chapapeela Drainage Improvement Project. Quality Engineering was selected by the Tangipahoa Parish Government to survey the area, complete detailed hydrologic and hydraulic studies of Chappapeela Creek watershed, including Little Chappapeela Creek and other upstream branches, and evaluate possible drainage improvements including detention and retention ponds.</p> <p>Breaux Bridge Manor Drainage Improvement Project Mr. Diamond serves as Survey Manager for the Project. The survey department conducted a H&H study. QES was selected to complete the studies and design of the Breaux Bridge Manor Drainage Improvement project. A study of 603 acres was completed. The project will remove an existing box culvert that is set at the wrong elevation. A larger culvert will replace the existing culvert and will be set at the appropriate elevation to ensure proper conveyance of water in the drainage</p> <p>Subdivisions Development Mr. Diamond has overseen both the survey team as Survey Manager and the land development engineering team as Land Development Manager in designing several hundred premier homes subdivisions created on raw land. QES designed the infrastructure which includes drainage systems, sanitary sewer systems, and roads.</p> <ul style="list-style-type: none"> • Bellacosa Subdivision- A 425 lot subdivision in East Baton Rouge, LA partnered with D.R. Horton • Whispering springs - A nearly 1,000 lot subdivision in Walker, LA partnered with D.R. Horton 	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Brad Casso
Survey Operations Manager

Project Assignment:

Project Manager

Name of Firm with which associated:


Quality Engineering & Surveying, LLC

Years' experience with this Firm:

2 years with QES

21 years in total in industry

Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

Mr. Casso has just started with QES and brings over 20 years of survey field supervision experience. He has worked on a variety of commercial, residential, municipal, industrial, transportation, and right-of-way projects. His experience includes both office and field time. With his experience he has produced plats (including but not limited to boundary, topographic, as-built, AL-TA/ACSM and right-of-way acquisitions), legal descriptions, elevation certificates and quantity calculations. In the field he is experienced in all types of land surveys including elevation, boundary, subdivision, topographic, route, right-of-way, and as-built surveys as well as construction staking for clearing, drainage, sewer, and roadway construction.

Sr. Party Chief - CSRS Inc

Management of Field crew and all day-to-day tasks to include, Boundary, TOPO, Construction staking, Shallow water surveys. Acted as liaison between clients and office, instrumental in re-solving field issues onsite. Promoted safety culture with implementation of safety meetings, as well as mindset. Recent projects include, Amazon Facilities, Ascension Parish Watershed Study, Hwy182 Corridor Survey, various site development projects. Mr. Casso also preparation of final survey reporting for Ascension Watershed completed phases.

Independent Contractor Field PM

Preparation of proposals, SOW, procedures, maps, reference data, equipment necessary and final reporting. Liaison to clients both offshore and on land to ensure safety, accurate execution, remediation, and deliverables. Oversight of all field personnel and vessels to obtain accurate surveys, conventional and acoustic, performed in both deep-water and shallow water environments, along with mobilization and de-mobilization of vessels involved.

Shavers Whittle - Project Surveyor

Management of all quantity & layout calculations, machine control, surface and model preparation, field layout and supervision, and As-Built. Established and maintained horizontal and vertical control, calibration, and site localization, along with preparation of all compliance cross section data for USACOE Compliance submittals. Established role as a liaison between contractor and USACOE Engineering, as well as other client bases.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

S. Brett Fitzgerald, PLS
Professional Land Surveyor

Project Assignment:

Professional Land Surveyor

Name of Firm with which associated:


Quality Engineering & Surveying, LLC

Years' experience with this Firm:

2 years with QES

7 years in total in industry

Education: Degree(s)/Year/Specialization:

Bachelor degree in Physical Geography from Louisiana State University-2017

Active registration: Year first registered/discipline:

Louisiana Professional Land Surveyor No. 5018

First Registered- 2009

Other experience and qualifications relevant to the proposed Project:

With 25 years of surveying experience Mr. Fitzgerald has filled a number of roles and has managed the survey responsible charge responsibilities for numerous large-scale endeavors. Projects include oil and gas work from initial boundary and unit retracement, drill pad layout and design to pipeline and compressor planning, construction, right-of-way plats and supporting documentation as well as as-builts; environmental and earth-work, including eight Superfund clean-up sites and numerous volumetric surveys; structural steel layout for plant unit expansions; hydrographic surveys for diverse projects, and other varied surveying services.

Public Lands Survey, Plaquemines Parish -

Retraced and monument 26 Sections along the lower Mississippi River (Federal client). This project involved record research of original GLO notes, extensive field work along the Mississippi River and surrounding marsh, examination and processing of field data, rectifying said field data with record research data and planning subsequent boundary monumentation in less than desirable locations and conditions.

Fiber Optic Planning & Installation, Calcasieu Parish -

Generated layout/stakeout survey data, as well as provide survey management field expertise and field services to install 7 miles of fiber optic cable along a major Louisiana highway.

Boundary & Lease Holding Survey, East Baton Rouge and Iberville Parishes

Provided research, field services, and expert opinions related to an oil and gas lease legal matter. The project encompassed nearly 1800 acres with limited surveying work having been performed in the area since the 1890's. Deliverables in the form of written opinions, plants and other documents were provided.

Mineral Unit Survey, Pointe Coupee Parish

Assisted in the boundary unit retracement of major holdings in Pointe Coupee Parish. These surveys encompassed a number of years and, in total, extended across some 10,000 acres. Services provided included record research, field work planning, field work execution, data processing/management, as well as field data and record boundary plat interpretation.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

S. Brett Fitzgerald, PLS
Professional Land Surveyor

Project Assignment:

Professional Land Surveyor

Name of Firm with which associated:


Quality Engineering & Surveying, LLC

Years' experience with this Firm:

2 years with QES

7 years in total in industry

Education: Degree(s)/Year/Specialization:

Bachelor degree in Physical Geography from Louisiana State University-2017

Active registration: Year first registered/discipline:

Louisiana Professional Land Surveyor No. 5018

First Registered- 2009

Other experience and qualifications relevant to the proposed Project:

With 25 years of surveying experience Mr. Fitzgerald has filled a number of roles and has managed survey responsible charge responsibilities for numerous large-scale endeavors. Projects include oil and gas work from initial boundary and unit retracement, drill pad layout and design to pipeline and compressor planning, construction, right-of-way plats and supporting documentation as well as as-builts; environmental and earth-work, including eight Superfund clean-up sites and numerous volumetric surveys; structural steel layout for plant unit expansions; hydrographic surveys for diverse projects, and other varied surveying services.

Public Lands Survey, Plaquemines Parish -

Retraced and monument 26 Sections along the lower Mississippi River (Federal client). This project involved record research of original GLO notes, extensive field work along the Mississippi River and surrounding marsh, examination and processing of field data, rectifying said field data with record research data and planning subsequent boundary monumentation in less than desirable locations and conditions.

Fiber Optic Planning & Installation, Calcasieu Parish -

Generated layout/stakeout survey data, as well as provide survey management field expertise and field services to install 7 miles of fiber optic cable along a major Louisiana highway.


Boundary & Lease Holding Survey, East Baton Rouge and Iberville Parishes

Provided record research, field services, and expert opinions related to an oil and gas lease legal matter. The project encompassed nearly 1800 acres with limited surveying work having been performed in the area since the 1890's. Deliverables in the form of written opinions, plats and other documents were provided.

Mineral Unit Survey, Pointe Coupee Parish

Assisted in the boundary unit retracement of major holdings in Pointe Coupee Parish. These surveys encompassed a number of years and, in total, extended across some 10,000 acres. Services provided included record research, field work planning, field work execution, data processing/management, as well as field data and record boundary plat interpretation.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Joseph Ferguson Surveyor Technician V	
Project Assignment:	
Survey CAD Technician	
Name of Firm with which associated:	
 <div style="display: inline-block; vertical-align: middle; margin-left: 10px;">Quality Engineering & Surveying, LLC</div>	
Years' experience with this Firm:	
6 years with QES	22 years in total in industry
Education: Degree(s)/Year/Specialization:	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	
<p>Mr. Ferguson has more than 25 years of field and technical experience in all aspects of survey-related projects. Mr. Ferguson spent the majority of his career in the field working from the ground up to a leadership role as a Sr. Party Chief where he mentored numerous employees. Mr. Ferguson now brings his experience into the office and spearheads all of the data management, constructions stakeout and CAD efforts. Mr. Ferguson has worked on a variety of projects from heavy civil, residential and construction stakeout to name a few and has a proven track record of timely and accurate construction information needed for quality layout.</p> <p>Laurel Ridge Levee – New Build Mr. Ferguson was instrumental in all phases of this high-profile levee project. He handled all data incoming and outgoing, provided all stakeout and processing, assisted with scheduling field work and CAD efforts, and liaised between Lemoine personnel and QES for various multi trade involvement efforts in field.</p> <p>Skinner Drive Drainage Improvement Project Hydrologic study and development of plans for the installation of a new subsurface system along the street to provide a clear path to the outfall location.</p> <p>Multiple Residential Developments Mr. Ferguson has taken part in the control set up, calculations, stakeout point generation, and QC of field data for numerous residential developments. He has taken the lead on all flood zone determination, and certificate work working hand in hand with FEMA on every aspect of this effort.</p> <p>Gray's Creek Drainage Improvements Surveying and engineering services for a drainage improvement project for Gray's Creek The project consisted of developing a retainage system to reduce the effect of inland flooding in Livingston Parish. Mr. Ferguson was responsible for leading the survey data processing to complete a topographic survey of the area to be used in the H&H study of the area.</p>	

TEC Professional Services Questionnaire

TEC Professional Services Questionnaire

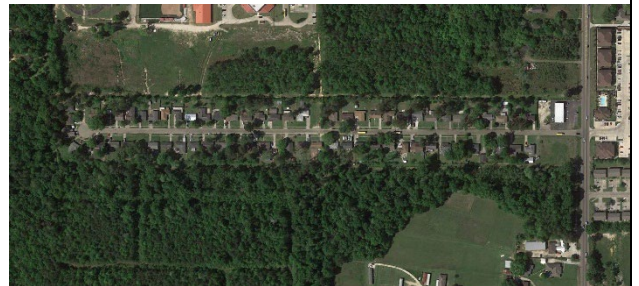
TEC Professional Services Questionnaire

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>Livingston Parish Gravity Drainage District #1 Watershed Program Management</p> <p>Livingston Parish Gravity Drainage District #1</p> <p>Owner Information: Wesley Kinnebrew Livingston Parish Gravity Drainage District #2-District Manager 8098 B Florida Blvd Denham Springs, LA 70726 (225) 664.5827</p>	<p>The Louisiana Watershed Initiative (LWI) has been established to provide funding that will support planning, watershed modeling, data collection, and flood-risk reduction projects across Louisiana. Quality Engineering and Surveying, LLC (QES) was selected to provide necessary support through surveying and engineering services that would improve the drainage infrastructure throughout Livingston Parish Gravity Drainage District #1 (LPGDD1). The Louisiana Watershed Initiative selected 20 LPGDD1 pre-applications to advance and develop into full applications. This provided LPGDD1 and QES with an unprecedented opportunity to improve and accelerate the drainage improvements that are urgently needed throughout this district. The projects in this development include watershed studies, drainage analysis and improvements, channel expansion, detention/retention ponds, bridge upgrades and replacements, and underground drainage.</p> <p>The areas involved in this project:</p> <ul style="list-style-type: none"> - Long Slash Branch - Allen Bayou - Beaver Creek - Clinton Allen Drainage Ditch - Gray's Creek - Dixon Creek <p>KEY TASKS: Program Management, Civil Design, Community Rating System, Watershed Management, H&H Study & Analysis, GIS</p> <p>KEY Staff: Deric Murphy, PE, LSI; Mason Bonano, PE; Eric Weis, PE, CFM; Buck Patton IV, PE; Christian Hoppmeyer; Aaron Brown; S. Brett Fitzgerald, PLS; Chris Cook</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2024 (E)	US \$415,515.00	US \$415,515.00

TEC Professional Services Questionnaire

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>West David Drive Drainage Improvement Project</p> <p>Tangipahoa Parish, LA</p> <p>Owner Information: Robby Miller Tangipahoa Parish Government P.O. Box 215 Amite, LA 70422 (225) 635 - 3861</p>	<p>Quality Engineering & Surveying, LLC (QES) was tasked with addressing the chronic flooding issues along West David Drive in Tangipahoa Parish. This area, positioned at an elevation of 44 feet and designated as flood zone AE according to FEMA, regularly faced severe water accumulation due to inadequate drainage infrastructure.</p> <p>QES conducted a comprehensive hydrologic study to understand the dynamics of surface water flow and the limitations of the existing drainage system. The findings revealed that the water from surrounding properties was being inadequately channeled into an overburdened subsurface system with outfall culverts that were obstructed by debris and vegetation. Additionally, the recent paving of the roadway lacked sufficient slope, preventing effective water flow to drainage outlets.</p> <p>To rectify these issues, QES developed plans to overhaul the drainage system along West David Drive. This involved the installation of a new, more efficient subsurface drainage system, the clearing of outfall ditches, and the regrading of the road to establish a proper slope for water conveyance. These improvements were designed to enhance the area's resilience to flooding, significantly reducing the risk of water buildup during heavy rainfall. Funding for this crucial infrastructure upgrade was secured through the 2016 Floods Hazard Mitigation Grant Program (HMGP), ensuring that the neighborhood could look forward to safer and more reliable road conditions.</p> <p>KEY TASKS: Topographic Survey, Civil Design, Drainage Improvement, HMGP, Hydrologic & Hydraulic Study & Analysis</p> <p>KEY Staff: Deric Murphy, PE, LSI; Mason Bonano, PE; Eric Weis, PE, CFM; Buck Patton IV, PE; Christian Hoppmeyer; Aaron Brown; S. Brett Fitzgerald, PLS</p>	
<p>Completion Date (Actual or estimated):</p> <p style="text-align: center;">August 2027 (E)</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	US \$150,798.00	US \$150,798.00




TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>River Road Drainage Improvement Project</p> <p>Tangipahoa Parish, LA</p> <p>Owner Information: Robby Miller Tangipahoa Parish Government P.O. Box 215 Amite, LA 70422 (225) 635 - 3861</p>	<p>Quality Engineering and Surveying, LLC (QES) played a pivotal role in the River Road Drainage Improvement Project in Ponchatoula, Tangipahoa Parish. Tasked with addressing recurrent flooding along River Road, QES conducted topographic surveys and hydrologic & hydraulic studies to understand and model the area's drainage challenges. This strategic assessment pinpointed inefficiencies in the existing culvert system which contributed to frequent flooding, affecting local residences and access roads.</p> <p>Leveraging its expertise in civil design and drainage improvement, QES redesigned the area's infrastructure. The project involved replacing inadequate culverts with larger 72" RCP culverts featuring backflow preventers and elevating road approaches to improve water flow during storm events. These changes significantly enhanced flood management, reducing roadway flooding and protecting the surrounding neighborhoods.</p> <p>KEY TASKS: Topographic Surveys, Road Grading, Landscape Architecture, Amentity Design, Sidewalk Design</p> <p>KEY Staff: Deric Murphy, PE, LSI; Mason Bonano, PE; Aaron Brown; S. Brett Fitzgerald, PLS; Chris Cook</p>	
<p>Completion Date (Actual or estimated):</p> <p style="text-align: center;">September 2023 (A)</p>	Estimated Cost:	
	<p>Entire Project:</p> <p style="text-align: center;">US \$103,404.00</p>	<p>Work for which Firm was Responsible:</p> <p style="text-align: center;">US \$103,404.00</p>



TEC Professional Services Questionnaire


PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Skinner Drive Drainage Improvement Project</p> <p>Tangipahoa Parish, LA</p> <p>Owner Information: Robby Miller Tangipahoa Parish Government P.O. Box 215 Amite, LA 70422 (225) 635 - 3861</p>	<p>The Skinner Drive Drainage Improvement Project in the Green Acres Subdivision of South Tangipahoa Parish is designed to significantly enhance the local drainage system by introducing a new subsurface system. This initiative is led by Quality Engineering & Surveying, LLC (QES), which conducted a detailed hydrologic study and developed the plans for the improved drainage solution. Utilizing the National Resources Conservation Service (NRCS) TR-55 and Travel-Time methods, QES created a precise model of the area's rainfall-runoff process, ensuring the design was optimized for effective water management.</p> <p>After completing the survey and design work in Phase 1, QES proceeded to secure project funding by submitting a grant application to FEMA under the Hazard Mitigation Grant Program (HMGP). This funding is crucial for advancing to Phase 2, where QES will manage the construction administration of the drainage improvements. This phase will focus on implementing the designed subsurface system to improve water flow to the outfall location, thereby mitigating flooding risks and enhancing safety and infrastructure resilience within the community.</p> <p>KEY TASKS: Topographic Survey, Civil Design, Drainage Improvement, HMGP, Hydrologic & Hydraulic Study & Analysis</p> <p>KEY Staff: Deric Murphy, PE, LSI; Mason Bonano, PE; Eric Weis, PE, CFM; Buck Patton IV, PE; Christian Hoppmeyer; Aaron Brown; Chris Cook</p> 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2025 (E)	US \$252,993.00	US \$252,993.00

TEC Professional Services Questionnaire


PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Ethel Street Drainage Improvement Project</p> <p>City Of Tallulah</p> <p>Owner's Information: City Of Tallulah Mayor Paxton Branch 318-574-0964</p>	<p>The City of Tallulah participated in the Hazard Mitigation Plan and established the Ethel Street Drainage Improvement Project to 1) reduce repetitive flood damage in Madison Parish including all incorporated area, municipalities, and or drainage districts and 2) facilitate responsible future development in the parish to reduce or eliminate the potential impacts of disasters.</p> <p>QES was contracted by the City of Tallulah to compete a Hydrologic and Hydraulic Study, complete an environmental review and assessment, provide a preliminary engineering report with determination cost of damages with existing system, development of a preliminary design including plans and specifications incorporating all necessary approvals, conduct all necessary data collection, prepare a final cost estimate and manage the project through to completion.</p> <p>KEY TASKS: Landscape Architecture, Topographic Surveying, Civil Engineering Construction Plans, Drainage, Flood Zone Determination</p> <p>KEY Staff: Deric Murphy, PE, LSI</p>	
<p>Completion Date (Actual or estimated):</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	Dec 2016 (A)	US \$197,000.00
	US \$197,000.00	







TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Jesuit Bend Drainage Improvement</p> <p>Plaquemine Parish</p> <p>Owner Information: Ken Dugas, P.E. Plaquemines Parish Government 102 Avenue "G" Belle Chasse, LA 70037 (504)297-5349</p>	<p>Quality Engineering & Surveying, LLC (QES) provided professional services to Plaquemines Parish to improve drainage around the Jesuit Bend neighborhood on LA Highway 23.</p> <p>This is a crucial project to Plaquemines Parish, as the highway currently acts as a levee. Floodwater has often ponded over the road's surface, making it impossible for traffic to pass.</p> <p>In addition to flooding along the highway, a railway would incur damage on an annual basis due to the inability of water to run off properly. Quality's proposed project will improve drainage by allowing water to convey from the east side of LA Hwy 23 to the west side and into the existing drainage system.</p> <p>KEY TASKS: Topographic Surveying, Civil Design, Drainage, Roadway Permitting, Construction Layout, Hydraulic & Hydrologic Study and Analysis</p> <p>KEY Staff: Deric Murphy, PE, LSI; Aaron Brown; Chris Cook</p> <div style="text-align: center;">  </div>	
<p>Completion Date (Actual or estimated):</p> <p>Oct 2021 (A)</p>	<p>Estimated Cost:</p>	
	<p>Entire Project:</p> <p>US \$163,532.00</p>	<p>Work for which Firm was Responsible:</p> <p>US \$163,532.00</p>

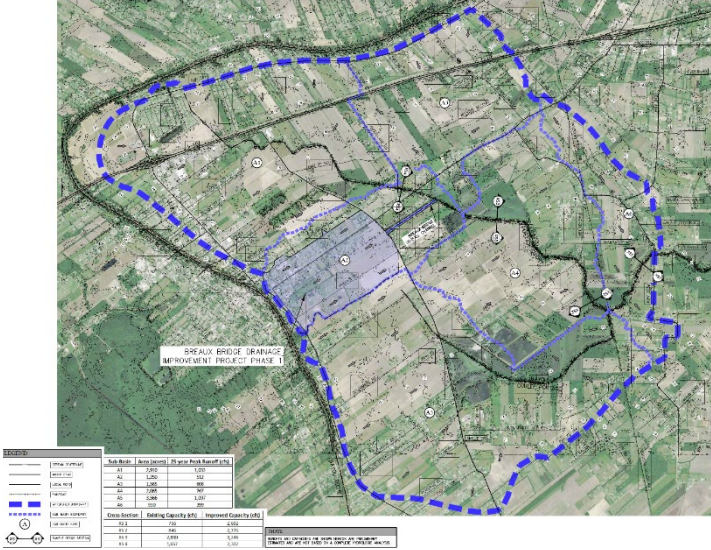
TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Grand Isle Dunes - Control & Stakeout</p> <p><i>Grand Isle</i></p> <p>Owner's Information: Jeremy Tate - Project Manager Genesis 360, LLC 804 Main St. Baton Rouge, La 70802 (225) 571 - 5567 Jeremy@Genesis360llc.com</p>	<p>Quality was selected by Genesis 360 to establish Control and conduct Differential Leveling at the Grand Isle Dunes. For this task, Quality was responsible for the recovery of USCOE Benchmark Monumentation, the installation of sixteen (16) survey control points at repair areas along the project length which established both vertical and horizontal controls, and to establish Temporary benchmarks through project length.</p> <p>KEY TASKS: Planning, Control & Differential, Levels, Levee Cross Sections, Construction Stakeout, Quality Assurance</p> <p>KEY Staff: Deric Murphy, PE, LSI; Jeff Diamond, PLS; Brad Casso; S. Brett Fitzgerald, PLS; Jeff Diamond, PLS; Joseph Ferguson;</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2017 (A)	US \$91,000.00	US \$91,000.00


TEC Professional Services Questionnaire

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Boudreaux Street to Gilmore Drive Drainage Improvement Project</p> <p>St. Mary Parish, LA</p> <p>Owner Information: Henry "Bo" LeGrange St. Mary Parish Government 500 Main St. Franklin, LA 70538 (337) 828 -4100</p>	<p>The Boudreaux Street to Gilmore Drive Drainage Improvements project will convert a 1,117 lineal feet earthen ditch into a subsurface drainage system that back-up and cause water to pond in a residential subdivision in which houses flood on a regular basis. In addition to drainage structures, additional pumps will be installed at the existing pump station to increase pumping capacity of the existing station.</p> <p>The project includes working with residents to determine what happens with drainage during rain events; completing surveying and hydraulic and hydrology studies; development of construction plans, bids and specifications. Resident inspection services during construction are also being performed..</p> <p>KEY TASKS: Civil Engineering, Survey, Drainage, Permitting, H&H Study, Construction Administration</p> <p>KEY Staff: Deric Murphy, PE, LSI; Mason Bonano, PE; Aaron Brown; S. Brett Fitzgerald, PLS; Chris Cook</p> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 20px;">   </div> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 20px;">   </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2023 (A)	US \$212,373.00	US \$212,373.00

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Bayou Portage Guidry Drainage Improvement Project</p> <p>St. Martin Parish, LA</p> <p>Owner Information: Heath Babineaux St. Martin Parish 301 W. Port Street St. Martinville, LA 70582 (334) 394 - 2200</p>	<p>During recent years flooding has been problematic in the City of Breaux Bridge. The watershed in this area is prone to flash flooding. This flooding has impacted the Hospital, various residential neighborhoods, including Breaux Bridge Manor Apartments and others. Bayou Portage Guidry is located near Auguillard Road in the City of Breaux Bridge.</p> <p>Approximately eight watersheds discharge into Bayou Portage. Due to the limited flow capacity of Bayou Portage Guidry, backwater flooding has intensified on each of the channels discharging into the bayou. QES helped St. Martin Parish secure nearly \$4.5 Million dollars in HMGP grant funding to increase conveyance in the channel that will provide protection to the City of Breaux Bridge and Unincorporated Portions of St. Martin Parish.</p> <p>KEY TASKS: Topographic Survey, Civil Design, Drainage Improvement, HMGP, Hydrologic Study & Analysis</p> <p>KEY Staff: Deric Murphy, PE, LSI; Mason Bonano, PE; Eric Weis, PE, CFM; Buck Patton IV, PE; Christian Hoppmeyer; Aaron Brown; S. Brett Fitzgerald, PLS; Chris Cook</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2027	US \$750,000.00	US \$200,847.00

TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>New Roads Ferry Landing</p> <p><i>New Roads</i></p> <p>Owner's Information: Jeremy Tate - Project Manager Genesis 360, LLC 804 Main St. Baton Rouge, La 70802 (225) 571 - 5567 Jeremy@Genesis360llc.com</p>	<p>Quality was selected by Genesis 360 to provide horizontal and vertical control, along with specific stakeout and location tasks in support of the installation of 1,000 linear feet of steel sheet piles for sand boil repair. In addition, QES provided guidance for ramp layout and construction. QES performed compliance cross sections as well once work was completed for submittal to USACE.</p> <p>KEY TASKS: Planning, Original Cross Sections, Survey Stakeout, Compliance Cross Sections, Topographic Survey, Quality Control, Quality Assurance</p> <p>KEY Staff: Deric Murphy, PE, LSI; Jeff Diamond, PLS; Brad Casso; S. Brett Fitzgerald, PLS; Jeff Diamond, PLS; Jonathan Coco; Joseph Ferguson; Joey Pitzer</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2023 (A)	\$13,500	\$13,500

TEC Professional Services Questionnaire

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

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

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

In response to the request for qualifications for the Sala Avenue Historic District Drainage Project in Jefferson Parish, Quality Engineering & Surveying, LLC (QES) is proud to submit our comprehensive statement of qualifications.

Company Background

Founded in early 2009, Quality Engineering & Surveying LLC, (QES) is a full service firm that offers an extensive range of services for both private and public sectors. Our multi-disciplinary approach provides our clients the opportunity to procure our services in: Engineering, Landscape Architecture, Planning, Land Surveying, Program and Project Management. Our knowledge and experience have helped us establish strong business relationships with our clients in both the private and public sector in well over half of the parishes in the state of Louisiana as well as throughout the southeastern United States. Customer service is key and a mainstay for QES. This has been integral to our success and has expedited our growth as a firm. Our licensed support staff of engineers, surveyors, project managers, grant specialists, landscape architects, and planners provides the expertise, professionalism, and innovative approaches that are fundamental to the execution of successful design solutions.

TEC Professional Services Questionnaire

QES's daily operations are managed by Deric J. Murphy, P.E.. Deric received his Bachelor's Degree in Civil Engineering from Louisiana State University in 1996 and obtained his Professional Engineering License in 2001. He has since concentrated on the land development industry, including involvement in hundreds of successful public and private projects. Deric enjoys meeting the unique challenges that each project presents, enabled by his ability to listen to and appreciate each client's individual needs. Deric applies his expertise and experience to ensure complete customer satisfaction.

Professional Experience of Drainage Projects

At Quality Engineering & Surveying, LLC (QES), we have amassed a robust portfolio of drainage projects, underscoring our expertise and commitment to innovative water management solutions. Our experience spans across multiple parishes in Louisiana, where we have successfully managed, designed, and implemented a wide range of drainage systems tailored to local environmental conditions and regulatory requirements.

One of our notable projects is the Breaux Bridge Manor Drainage Improvement in St. Martin Parish, where we significantly enhanced local drainage capacity by replacing an inadequate culvert system with larger, more efficient structures. This project not only improved stormwater management but also reduced the risk of flooding in residential areas.

In Tangipahoa Parish, the West David Drive Drainage Improvement project showcased our ability to conduct comprehensive hydrologic studies and redesign existing drainage infrastructures to mitigate chronic flooding issues effectively. The solutions we developed and implemented have provided lasting benefits to the community, enhancing road safety and property protection during adverse weather conditions.

For the River Road Drainage Improvement Project, also in Tangipahoa Parish, QES tackled recurring flooding by redesigning the culvert systems and improving roadway drainage. This project was critical in safeguarding homes and ensuring unimpeded access during storms.

Our involvement in the Skinner Drive Drainage Improvement Project in Tangipahoa Parish further highlights our proficiency in developing effective and sustainable drainage solutions. Here, we executed a detailed hydrologic study and designed a new subsurface drainage system that addressed long-standing water management issues, greatly enhancing the quality of life for local residents.

Through these projects, QES has demonstrated a deep understanding of flood risk mitigation, hydrologic and hydraulic modeling, and the design and construction of effective drainage systems. Our team's expertise is complemented by a comprehensive approach to project management, from initial assessments through to construction oversight, ensuring all projects are completed on time, within budget, and above client expectations.

Size of Firm

QES maintains a robust team of over 45 dedicated professionals. This team includes licensed engineers, certified surveyors, experienced project managers, specialized grant consultants, skilled landscape architects, and knowledgeable planners. Our staff size enables us to handle multiple large-scale projects simultaneously while maintaining the highest standards of quality and client satisfaction. This staffing capability ensures that we can effectively manage the scope and complexity of projects anticipated under the Routine Engineering Services for Drainage Projects IDIQ contract.

TEC Professional Services Questionnaire

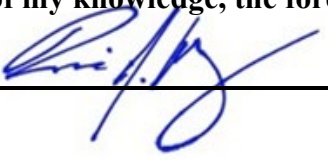
Capacity for New Work

QES is well-prepared to undertake new projects, as several of our large-scale initiatives are concluding, effectively freeing up substantial resources. This transition phase allows us to reallocate our experienced project teams immediately to new assignments, including the Routine Engineering Services for Drainage Projects in Jefferson Parish. Our firm is structured to efficiently manage and scale operations for multiple projects simultaneously, ensuring we can start new work promptly and maintain our commitment to quality and timely delivery.

Conclusion

In conclusion, Quality Engineering & Surveying, LLC (QES) brings a wealth of knowledge, a proven track record, and a comprehensive multi-disciplinary approach to the Routine Engineering Services for Drainage Projects in Jefferson Parish. With our extensive experience across a broad spectrum of drainage projects and our deep understanding of the local environmental and regulatory landscape, we are uniquely positioned to deliver superior solutions tailored to the specific needs of this community. Our firm's strategic capacity planning and resource management ensure that we are ready to initiate new projects efficiently, upholding our commitment to excellence and client satisfaction. We are excited about the possibility of contributing to Jefferson Parish's infrastructure improvements and are confident in our ability to provide valuable, effective, and timely engineering solutions.

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

Signature:  _____ Print Name: Deric Murphy, PE, LSI

Title: President Date: June 21, 2024

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Sala Avenue Historic District Drainage Feasibility Analysis and Improvements
Resolution No. 145576

B. Firm Name & Address:

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

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

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

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

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

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

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

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

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

TEC Professional Services Questionnaire

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

1.

2.

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Murray White
President/ Quality Assurance

Project Assignment:

Quality Assurance

Name of Firm with which associated:

The Beta Group Engineering and Construction Services

Years' experience with this Firm:

27 years with The Beta Group

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 1		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Proposed Roadway Borings (Meraux Business Park) Park 1 (Chalmette, LA)</p> <p>St Bernard Parish Government (Dept. of Public Works) 1125 East St. Bernard Hwy. Chalmette, LA 70043</p>	<p>The Beta Group (TBG) explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took three undisturbed soil borings to a depth of 6 ft. below the ground surface in the general area of the proposed project. These bores were obtained from both a truck mounted and ATV mounted rig. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. TBG provided design recommendations for roadway thickness and base material.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
2021	Entire Project:	Work for which Firm was Responsible:
2021	Jefferson Parish	\$2,500

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Proposed Drainage Improvements (Carville, LA)</p> <p>Meyer Engineers 4937 Hearst St Suite 1B Metairie, LA 70001</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took two undisturbed soil borings to a depth of 30 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. Design recommendations were given for bedding and backfill material and compaction. Recommendations were also given for construction excavation, pavement and its base material, and construction quality control.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
2021	Entire Project:	Work for which Firm was Responsible:
2021	Jefferson Parish	\$4,500

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Proposed Parking Lot & Roadway (Belle Chasse Primary School) (Belle Chasse, LA)</p> <p>Meyer Engineers 4937 Hearst St Suite 1B Metairie, LA 70001</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took 8 undisturbed soil borings up to a depth of 50 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. The following analyses were performed: deep foundation, pile load capacities, and lateral pile. Design recommendations were given for asphalt pavement and roadway including base and subbase material and compaction. Construction quality control measures were also recommended.</p>	
<p>Completion Date (Actual or estimated)</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p>2022</p>		<p>\$7,000</p>

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Proposed Roadway Borings (Terry Parkway from US90B to LA Hwy 23) (Terrytown, LA)</p> <p>Jefferson Parish Capital Projects 1221 Elmwood Park Blvd. Suite 906 Harahan, LA 70123</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took seven undisturbed soil borings up to a depth of 10 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. Based on the lab results, pavement and base material design recommendations were provided.</p>	
<p>Completion Date (Actual or estimated):</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p>2022</p>		<p>\$13,000</p>

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Proposed Roundabout (Slidell, LA)</p> <p>Meyer Engineers 4937 Hearst St Suite 1B Metairie, LA 70001</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took seven undisturbed soil borings up to a depth of 50 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. Design recommendations were given pavement thickness, base course material and compaction. Shallow foundation and estimated settlement analyses was also performed based on boring and laboratory test data. Recommendations in the following areas were also provided: pipe bedding and backfill, geotextile fabric, site preparation, and construction quality control.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022		\$10,900

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Proposed Drainage Improvements (Metairie, LA)</p> <p>Jefferson Parish Sewerage Dept. 1221 Elmwood Park Blvd. Suite 803 Harahan, LA 70123</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took two undisturbed soil borings to a depth of 50 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. Based on borings and laboratory results, analysis for a proposed sheet pile wall were provided. Construction quality control recommendations were also provided.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023		\$5,900

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Proposed Lift Station (Madisonville, LA)</p> <p>Meyer Engineers 4937 Hearst St Suite 1B Metairie, LA 70001</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took one undisturbed soil borings to a depth of 60 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. Based on details of the proposed project and laboratory results, design recommendations for the lift station were provided. Additional analyses performed include: soil bearing capacity, estimated settlements, volumetric change. Recommendations for bedding material, construction excavation, dewatering, and construction quality control were also provided.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023		\$4,200

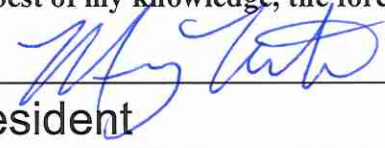
PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Proposed Sylvia Estates Pump Station (Violet, LA)</p> <p>Meyer Engineers 4937 Hearst St Suite 1B Metairie, LA 70001</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took two undisturbed soil borings to a depth of 100 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. Based on borings and laboratory results, deep foundation analysis was performed which included pile load capacities, estimated settlement, and pile driving. Design recommendations were made for a sheet pile wall, roadway thickness and base material, and geotextile fabric.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023		\$17,500

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Proposed Pavement and Drainage Improvements (Jefferson LA)</p> <p>All South Consulting Engineers 652 Papworth Ave Metairie, LA 70005</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took one undisturbed soil borings to a depth of 20 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. Based on the boring and laboratory results, a soil bearing capacity analysis was done and bedding, backfill, and geotextile recommendations were made. Recommendations for site preparation, quality control, roadway, and pavement were also given.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023		\$6,400

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Proposed Roadway Borings (Tammany Terrace Subdivision) 20-1813A Phase #A/B (Covington, LA)</p> <p>Meyer Engineers 4937 Hearst St Suite 1B Metairie, LA 70001</p>	<p>The purpose of the Geotechnical Investigation was to explore subsurface conditions and provide recommendations for the geotechnical design of four new roadways and the extension of an existing roadway within the existing Tammany Terrace Subdivision. A total of five undisturbed soil borings were drilled and laboratory tests were conducted. The following tests were done on the soil bores: Atterberg limits, unconfined compression tests, natural moisture content, and unit weight determination. Design considerations for the roadway and construction recommendations were made to the contractor. The Beta Group made engineering and construction recommendations in the following areas, pavement, asphalt, geotextile fabric, volumetric change of soils, earthwork site preparation and quality control, and construction quality control.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2024		\$3,600

TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.		
Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A	N/A	N/A
2.		
3.		
4.		
N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.		
<p>The Beta Group (TBG) has provided geotechnical investigations for over 10 years throughout the Greater New Orleans Area for a large variety of projects. TBG has the ability to drill soil bores in roadways, grassy fields, wooded areas, marshes, and open water. All drilling operations are conducted and supervised by experienced drillers and project manager.</p>		
O. To the best of my knowledge, the foregoing is an accurate statement of facts.		
Signature: <u></u> Print Name: <u>Murray White</u>		
Title: <u>President</u> Date: <u>01/ 24 /2025</u>		