



Resolution 144203 | SOQ 24-013

Jefferson Parish Government Routine Engineering Services for Water Projects

Statement of Qualifications

June 21, 2024



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

ROUTINE ENGINEERING SERVICES FOR WATER PROJECTS

Resolution 144203 | SOQ 24-013

B. Firm Name & Address:

T. Baker Smith, LLC
6660 Riverside Dr.
Suite 101
Metairie, LA 70003



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:

Kenneth Wm. Smith, PE, PLS, FACEC
Chief Executive Officer
985.223.9248
Kenneth.Smith@tbsmith.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.

Brian E. Moldaner, PE, MBA
Chief Growth Officer
504.608.9367
Brian.Moldaner@tbsmith.com

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

<u>49</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u>1</u> Structural Engineers
<u>1</u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u>8</u> Graduate Engineers
<u>26</u> Civil Engineers	<u> </u> Interior Designers	<u>20</u> Project Managers
<u>4</u> Construction Inspectors	<u>1</u> Landscape Architects	<u>2</u> Clerical
<u>10</u> Ecologists	<u>29</u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u>2</u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u>5</u> Engineer Intern	<u>2</u> Environmental Engineers	<u>117</u> Other
<u>14</u> Professional Land Surveyors		<u>292</u> TOTAL

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

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

TEC Professional Services Questionnaire

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

N/A

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

YES _____ NO _____

N/A

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

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

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

292 (all personnel, primary and support, will be available to work on all assigned projects)

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:

Brian Moldaner, PE, MBA

Chief Growth Officer

Project Assignment:

Professional in Charge of Project

Name of Firm with which associated:



Years' experience with this Firm:

13 with this firm | 0 with other firms

Education: Degree(s)/Year/Specialization:

Master of Business Administration/2019

Bachelor of Science/2011/Civil Engineering

Active registration: Year first registered/discipline:

40075/2015/LA Professional Civil Engineer

Other experience and qualifications relevant to the proposed Project:

Brian is the Chief Growth Officer, formerly the Engineering Lead Professional and the Public Works Market Sector Leader. He has proven experience leading large, complex, multi-disciplined projects to successful outcomes. He performs various project management duties, including developing service fee proposals, creating project management plans, public outreach communication planning, coordinating sub-consultants, and coordinating survey and environmental field crews. Brian leverages his engineering, business, communication, and project management skills to engage with project stakeholders (internal and external), understand concerns, and develop solutions to benefit clients and the community. Brian is a lifelong resident of Jefferson Parish and takes pride in serving his community through his profession.

Project Experience

Water System Design for Subdivision Development; Black Oak Holdings, LLC; St. Tammany Parish, LA – Project Manager. Provided oversight, overall project management, and coordination of professional services for the development of a 14-lot residential subdivision. TBS was hired by Black Oak to provide the required professional services necessary to assist in the development of the property. Services included drainage, water, sewer, construction administration, and construction staking of the development for the developer.

2017-032-RBP – West Esplanade Avenue Restoration Eastbound, Tartan Drive To Haring Road; Jefferson Parish Government; Jefferson Parish, LA – Project Manager, Engineer of Record. Responsible for the design of approximately 2,600 LF of two-lane concrete roadway reconstruction. Designed roadway alignment to maximize roadway comfort, cross-drain upgrades, sidewalk reconstruction, sidewalk drainage improvements and resurfacing of connected asphalt turn lanes. Coordinated additional design by Jefferson Parish Engineering Department including waterline relocations and light pole relocations. Coordinated and oversaw topographic survey services also provided by TBS and geotechnical engineering services provided by a sub-consultant.

Water System Design for Distribution Facility; Scannell Properties, LLC; Lafayette Parish, LA - Project Manager, Engineer of Record. Designed a 120-acre tract of land in Carencro, Louisiana, in order to construct a new one million square foot distribution facility with a design occupancy of 3,000 employees. TBS was hired by developer to provide the required professional services necessary to assist in development of the property. Services included survey, environmental, drainage, water, sewer, paving, landscape architecture, construction administration, and construction staking of the development for the developer.

Rosemarie Drive, 8-in Waterline Project; Terrebonne Parish Consolidated Government; Terrebonne Parish, LA – Project Engineer. Responsible for preparing plans required by the project manager for the installation of 500 linear feet of 8-inch water main in private property along Rosemarie Drive in Terrebonne Parish.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Will Bane, PE

Lead Professional, Engineering

Project Assignment:

Project Manager

Name of Firm with which associated:



Years' experience with this Firm:

3 with this firm | 16 with other firms

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2003/Civil Engineering

Master of Science/2005/Civil Engineering

Active registration: Year first registered/discipline:

36709/2011/LA Professional Civil Engineer

Other experience and qualifications relevant to the proposed Project:

Will has 19 years of experience designing and constructing civil engineering projects. He has a successful history as a Project Manager, managing multifaceted projects, including regional drainage projects, green infrastructure, water main improvements and sewer collection system improvements, street construction, site development, and flood protection projects. He has been a designer for sewer, water, and drainage projects from individual lots up to neighborhood scale. He has a depth of experience in design, construction estimates, scheduling, permitting, bidding, and construction administration. His experience includes large civil works for private developers and public municipalities.

Project Experience

Jefferson Hwy. Waterline Replacement, Jefferson Parish Government, Jefferson Parish, LA – Project Manager.

Responsible for the project management, sub-consultant management and design of waterline replacement project in Jefferson Parish. Project consists for replacement of roughly 9,500 ft of 12" waterline along Jefferson Highway as part of Parish's 20-year replacement program. Designed horizontal and vertical location of new waterline to provide continuous service and to minimize impacts to residents and traffic. Investigated and proposed alternative installation methods including pipe-bursting and directional drilling to provide cost efficient solutions. Site investigations performed to verify existing features and to avoid potential construction conflicts.

Causeway Area Waterline Improvements; Jefferson Parish Government; Jefferson Parish, LA – Project Manager.

Responsible for the project management, sub-consultant management and design of waterline replacement project in Jefferson Parish. Project consists for replacement of roughly 10,000 ft of 8" waterline in the Causeway area to the north and south of I-10. Coordinated with sub-consultant to produce topographic survey ensuring proper information was gathered. Designed horizontal and vertical location of new waterline to provide continuous service and to minimize impacts to residents, businesses, and traffic. Investigated and proposed alternative installation methods including pipe-bursting and directional drilling to provide cost efficient solutions. Site investigations performed to verify existing features and to avoid potential construction conflicts. Area includes tight corridors for utilities within the right-of-way as well as existing trees which are desired to be unimpacted.

Hagan-Lafitte Lafitte Drainage Upgrades and Green Infrastructure; City of New Orleans; New Orleans, LA – Project Manager.

Responsible for drainage, streets, green infrastructure, water, sewer and underground storage system for FEMA HGMP funded project to reduce flooding in the Lafitte neighborhood. The project proposed improvements to the storm network to increase pipe sizes and provide underground storage within a public park. Green infrastructure elements were included to recharge groundwater and reduce downstream capacity demands. A Benefit Cost Analysis justified the proposed project through flood reductions. Modifications and relocation of existing sanitary sewer system were required to provide room for drainage structures. The project required coordination between the engineer, Department of Public Works, and the Sewer and Water Board. Modeling results indicate a reduction in flooding during a 2-year storm of 14 inches.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Steve Synovitz, PE

Lead Professional, Engineering

Project Assignment:

QA/QC

Name of Firm with which associated:



Years' experience with this Firm:

3 with this firm | 40 with other firms

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1983/Civil Engineering

Active registration: Year first registered/discipline:

35362/2010/LA Professional Civil Engineer

Other experience and qualifications relevant to the proposed Project:

Steve has over 40 years of management, design, and field experience on public and private sector projects. The scope of his experience includes water distribution systems, sanitary sewer facilities, street improvement projects, storm drains, retaining walls, grading plans, hydrology studies, and hydraulic analyses.

Project Experience

30-Inch Water Transmission Line; City of Fort Stockton; Fort Stockton, TX – Engineer of Record. The City of Fort Stockton was operating an existing 20" Concrete Steel Cylinder (CSC) line that conveyed water from the Belding Pump station (located approximately 8-1/2 miles southwest of Fort Stockton) to the City's primary reverse osmosis water treatment plant. The 20" CSC waterline had become severely corroded and needed to be replaced.

Steve was the Design Engineer of Record for this project, which constructed 8 1/2 miles of new 30" PVC waterline parallel to the existing line. The waterline was routed within the Right-of-Way of TxDOT State Highway 2037, Pecos County R.O.W. of Old Alpine Highway, and within a permanent easement across land owned by the University of Texas.

Water Distribution System Engineering Study; City of Bayside; Bayside, TX – Project Engineer. Phase 1 of this project was an analysis, study, and report of the Town's existing water storage and distribution system deficiencies, along with recommended improvements to comply with TNRCC requirements and provide for at least 20 years of additional service capacity.

Water Expansion Project; Rincon Water Supply Corporation; Taft, TX – Project Engineer. \$3 million water system expansion project near Sinton and Odem, Texas that included engineering design, surveying, and construction services to provide first-time water service to 297 existing households via 34 miles of 2" through 12" water line. The project also included the design of a pump station with two 14-horsepower pumps, rated at 240 gallons per minute, along with an 80,000-gallon ground and a 200,000-gallon elevated storage tank.

Economically Distressed Areas Program; San Patricio County Government; San Patricio County, TX – Project Engineer. Facility engineering planning for regional water and wastewater system improvements for Target Areas in San Patricio County, Texas. This \$441,000 Texas Water Development Board-funded study was used to identify alternative means to provide water supply, treatment, and distribution, as well as wastewater collection and treatment options for colonies throughout the County. The planning studies generated several hundred thousand dollars in engineering design and surveying work and several million dollars' worth of construction-related grants.

24-Mile Water Transmission Line; City of Kenedy; Kenedy, TX – Project Engineer. Preliminary alignment design, coordination, and field reconnaissance for the City of Kenedy's new water transmission line to convey clean water from a new well site within the Carrizo-Wilcox aquifer.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Clark Capone, PE, PMP

Sr. Project Manager

Project Assignment:

Project Engineer

Name of Firm with which associated:



Years' experience with this Firm:

3 with this firm | 6 with other firms

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2013/Civil Engineering

Active registration: Year first registered/discipline:

434565/2019/LA Professional Civil Engineer

3370996/2022/LA Project Management Professional

Other experience and qualifications relevant to the proposed Project:

Clark is a licensed professional engineer responsible for designing and managing various civil projects, including airport infrastructure, pavement restoration/reconstruction, infrastructure improvements (water & sewer), drainage improvements, pump stations, levees, and site development. Clark's design responsibilities include hydrologic and hydraulic modeling, pavement design, construction plan and specification preparation, cost estimating, and scheduling. Project management responsibilities include proposal development, creating project management plans, coordination of sub-consultants, oversight of topographic surveys and geotechnical work, right-of-way coordination and acquisition, permitting, bidding, construction administration, and coordinating with the FAA to assure compliance with FAA Advisory Circulars.

Project Experience

Causeway Area Waterline Improvements; Jefferson Parish Government; Jefferson Parish, LA – Engineer of Record.

Responsible for the design of waterline replacement project in Jefferson Parish. Project consists for replacement of roughly 10,000 ft of 8" waterline in the Causeway area to the north and south of I-10. Designed horizontal and vertical location of new waterline to provide continuous service and to minimize impacts to residents, businesses, and traffic. Investigated and proposed alternative installation methods including pipe-bursting and directional drilling to provide cost efficient solutions.

Jefferson Hwy. Waterline Replacement; Jefferson Parish Government; Jefferson Parish, LA – Engineer of Record.

Responsible for the design of waterline replacement project in Jefferson Parish. Project consists for replacement of roughly 9,500 ft of 12" waterline along Jefferson Highway. Designed horizontal and vertical location of new waterline to provide continuous service and to minimize impacts to residents and traffic. Investigated and proposed alternative installation methods including pipe-bursting and directional drilling to provide cost efficient solutions.

Grand Isle Waterline and Valve Platform Repairs; Jefferson Parish Government; Jefferson Parish, LA – Project Manager, Engineer of Record. Project to repair and construct new timber valve platforms located along the submerged HDPE waterline running from Jean Lafitte to the Grand Isle Water Treatment Plant. Associated work included three-pile dolphin clusters, installation of new gates valves and fittings, air release assemblies, and other associated work. Responsible for the permitting, design, and overall management of the project. Produced construction plans, specifications, and cost estimate for the project.

Pines Village Group A; City of New Orleans; New Orleans, LA – Project Manager, Project Engineer. Infrastructure improvements project (streets, water, sewer, & drainage). Included new water main installation, valves, house connections, and waterline offsets. Responsible for the design and overall management of the project. Required management of several design consultants, multiple inspectors, and the construction contractor. Required coordination with S&WB and DPW. Advanced project through bidding phase. Provided construction management services (e.g., change orders, payment applications, progress meetings, resident inspection).

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Brian Hazlip, PE

Lead Professional, Engineering

Project Assignment:

Sr. Project Engineer

Name of Firm with which associated:



Years' experience with this Firm:

1 with this firm | 29 with other firms

Education: Degree(s)/Year/Specialization:

Bachelor of Arts/1994/General Studies/Construction Management

Bachelor of Science/2002/Environmental Engineering

Active registration: Year first registered/discipline:

34714/2009/LA Professional Civil Engineer

Other experience and qualifications relevant to the proposed Project:

Brian is a Project Manager/Design Engineer for various civil engineering projects for private sector, local, state, federal, and industrial clients. Site layouts for subdivisions, commercial buildings, malls, greenfield & brownfield industrial sites, grading, drainage, water and sewer infrastructure, parking lots, roadway plans, truck loading docks, sewer treatment plants, water treatment plants, water and stormwater pumping stations, stormwater detention ponds, process ponds, tanks, coastal restoration, and firewater systems. Brian inspected project sites to monitor progress and adherence to design specifications, safety protocols, and state environmental standards. Before engineering, over 10 years were spent working in the construction industry as the owner and general contractor in the commercial and residential fields, which included the construction of retaining wall systems.

Project Experience

Parish-wide Water System Study; Iberville Parish Government; Iberville Parish, LA - Project Engineer. Areas of the parish were experiencing low water pressure and requiring boil orders. A parish wide model of the existing water system was created to analyze sections of the water system that experienced low water pressures and develop solutions for eliminating the low-pressure zones. Solutions involved new water towers, booster pumps and a complete modeling of the hydraulic grade line through the entire system for mechanisms to drain and fill all of the existing and new water towers.

Laporte Raw Water Tie-in; Air Products; Laporte, TX - Project Engineer. New tie to existing 48" CWA water main. New 24" piping, hot taps, structural design to minimized impacts to water main by designing supports for hot tap machine, OSHA regulations for excavation, pipe abandonment, complete construction sequence plan.

Causeway Area Waterline Improvements; Jefferson Parish Government; Jefferson Parish, LA – Project Engineer. Brian worked on developing plans for replacing 8" waterline for roughly 9,900 ft and 12" waterline for roughly 620 ft, replacing fire hydrants at current locations, connections to cross streets, and water service connections.

Chacahoula Pump Station Project; Terrebonne Parish Consolidated Government; Terrebonne Parish, LA - Engineer of Record. Performed all the work for a design study on the size, type, need, cost, and feasibility of a new stormwater pump station to pump water directly out of Bayou Black. Previous studies done by several agencies were reviewed to find common solutions to flooding issues taking place in the basin. New calculations and analyses were done based on the findings to ensure the report's recommendations were viable. *(Previous employer.)*

Water Tower and Pump Upgrades; Louisiana Women's Correctional Center; Iberville Parish, LA – Project Manager. Provided design for a new 1M gallon 5-leg elevated water tank. New pumps were installed at nearby Baton Rouge water, with a new 16" dedicated water main to feed the tank and remote-controlled pressure. The pumps were designed to be controlled by cellular telemetry. The system also included new lines to feed the firewater system, which were fed separately into the system without going through the pressure reducer. Was also responsible for the remote control and pressure-reducing valve set up. Managed the project and coordinated with the field crew and sub-consultants. Provided project management and coordination with the field crew and sub-consultants.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Paul Carroll, PE

Sr. Project Engineer

Project Assignment:

Sr. Project Engineer

Name of Firm with which associated:



Years' experience with this Firm:

7 with this firm | 13 with other firms

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2003/Mechanical Engineering

Bachelor of Science/2006/Civil Engineering

Active registration: Year first registered/discipline:

33902/2008/LA Professional Civil Engineer

Other experience and qualifications relevant to the proposed Project:

Paul is a professional civil engineer with experience in stormwater drainage design, retention ponds, levees, vertical curve roadway design, structural design, and project management of small to large projects. He is primarily responsible for providing advanced technical support and assisting the project manager in developing and designing project plans, specifications, and estimates. His modeling software experience includes: SWMM, HEC-RAS, HEC-HMS, Win-TR55, Hydraflow Hydrographs, SSA and HydroCAD. His experience and background with regional detention pond design, flood protection design, construction, and maintenance.

Project Experience

Water System Design for Subdivision Development; Black Oak Holdings, LLC; St. Tammany Parish, LA – Project Engineer. Designed the sewer, water, and sized drainage culverts for a 15 lot residential development. Permitted sewer and water lines with LDH. Assisted contractor on how to proceed when an unauthorized water connection was found conflicting with the proposed sewer line.

Improvements to Water System for Subdivision Development for Maison Trace; DSLD Homes; St. Tammany Parish, LA – Project Engineer. Designed the sewer and water including a sewer lift station. Permitted water, sewer, lift station, and wastewater treatment plant with LDH and wastewater discharge with LDEQ. Designed, modeled pre-development and post-development drainage, and wrote the hydrological study for Maison Trace Subdivision drainage.

Scott Equipment; Palmisano; Calcasieu Parish, LA — Project Engineer. Designed the water and sewer including a lift station for the building sewer and a lift station for the wash bay effluent. Also designed the drainage, site grading, joint layout plan, and hydrological study.

Colonial Club Pump Station Evaluation; Jefferson Parish Government; Jefferson Parish, LA -- Drainage Modeling Lead. Developed a drainage model for a 105-acre site in Jefferson Parish to study the feasibility of constructing a drainage pump station to discharge into the Mississippi River. SWMM model was constructed for the existing condition and the post-project maximum water surface elevations to determine the proposed benefits of the project. Multiple alternatives for potential pump locations were examined, and the recommendation was made to Jefferson Parish on the next steps for conceptual layouts, servitudes, permitting, environmental impacts, and estimated costs.

St. Charles West Bank Master Drainage Plan, St. Charles Parish, LA - Project Technical Lead. Paul oversees the development of the H&H model development using 2D HEC-RAS modeling of the drainage system in St. Charles Parish. This plan separated the parish into multiple watershed basins with modeling and drainage improvement recommendations specific to each basin. The project included creating digital terrain models by merging survey data with LiDAR data within the drainage systems to develop elevation volume curves of the available storage and the flow characteristics of the basins.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

TJ Stokes, PE

Practice Leader, Transportation

Project Assignment:

Subsurface Utility Engineering (SUE)

Name of Firm with which associated:



Years' experience with this Firm:

3 with this firm | 12 with other firms

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2009/Industrial Engineering

Active registration: Year first registered/discipline:

40079/2015/LA Professional Industrial Engineer

Other experience and qualifications relevant to the proposed Project:

TJ has over 15 years' experience in successfully managing numerous SUE projects specializing in transportation and roadway projects. As the Lead Professional for Utility Engineering, he is currently overseeing the completion of LADOTD and MDOT retainer contracts along with numerous other public and private client projects. He has thorough knowledge of the Subsurface Utility Engineering standards listed in CI/ASCE Standard 38-02 and is familiar with all SUE technologies and equipment, including but not limited to, ground penetrating radar (GPR), vacuum excavation, and numerous other types of geophysical locating equipment. He also has extensive experience managing and overseeing utility coordination and design projects.

Project Experience

Move Ascension Bluff Road, LA 73 Connector; Ascension Parish Government; Ascension Parish, LA – Project Manager. Provided Subsurface Utility Engineering for the Bluff Road- LA 73 Connector project as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.

I-55 Widening Church to Goodman; MDOT; Mississippi – SUE Lead Professional. Performed SUE services requested from Quality Levels D-A which helped to determine the actual location of existing utilities. Also performed utility coordination during design and construction for the relocation of existing utilities.

Move Ascension, LA 44 & Parker Roundabout, Subsurface Utility Engineering; Ascension Parish Government; Ascension Parish, LA – Lead Professional. Provided Subsurface Utility Engineering for the LA 44 & Parker Roundabout as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.

Move Ascension Parker Road and LA 929 Widening; Ascension Parish Government; Ascension Parish, LA – Lead Professional. Provided Subsurface Utility Engineering for the Parker Road and LA 929 Widening project as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.

Harrison Ave. Improvements (US 190 to LA 59); St. Tammany Parish Government; St. Tammany Parish, LA – Project Manager. Responsible for all Subsurface Utility Engineering and Utility Coordination. Provided utility coordination review to support the design of the widening of Harrison Ave. from US 190 to LA 59 in Covington, LA for St. Tammany Parish. The improvements along Harrison Ave. include approximately 13,200 feet of roadway widening along existing alignment including the installation of a raised median, construction of single lane roundabouts at Marigold Drive and Falconer Drive and various features such as bulb outs and R-CUT intersection treatments..

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Philip Chauvin

Sr. Construction Manager

Project Assignment:

Construction Administration

Name of Firm with which associated:



Years' experience with this Firm:

18 with this firm | 11 Wwth other firms

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1995/Construction Management

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Philip has spent his career in construction management. His experience includes coordinating construction projects to ensure they are built to plans and specifications. He also takes part all aspects of construction projects from bidding, review of bids received, liaison between owner and contractor, monthly updates through and including project completion. Philip has the overall responsibility for the quality of construction projects for which TBS is providing construction administration and management. He supervises the TBS construction project representatives and provides technical support to them.

Project Experience

Water Line Replacement along LA Hwy 20, Sugar Mill Rd. and Sugar Street; Lafourche Parish Water District No. 1, Lafourche Parish, LA – Sr. Construction Manager Assisted with bids (advertisement, tabulation and award), issuing notice-to-proceed, conducted the pre-construction and monthly construction progress meetings; reviewed shop drawings, submittals, and pay requests and facilitated substantial completion inspection. The project scope included installation of approximately 4,000 linear foot of waterline, ductile iron fittings, service connections, fire hydrants and other associated items of work.


Waterline Relocation along LA Highway 57; Consolidated Waterworks District No. 1; Terrebonne Parish, LA – Sr. Construction Manager. Assisted with bids (advertisement, tabulation and award), issuing notice-to-proceed, conducted the pre-construction and monthly construction progress meetings; reviewed shop drawings, submittals, and pay requests. Provided on-site representation, observed contractor. The project scope included the installation of approximately 10,000 LF of new waterline and fittings, valve installations, multiple cut-ins and tie-ins to existing waterlines, abandon and grout existing waterlines and other associated items of work.

North Thibodaux Wastewater Treatment Plant; City of Thibodaux; Lafourche Parish, LA – Sr. Construction Manager on a multi-phase project. Oversaw bidding and construction activities at the new wastewater treatment plant in Thibodaux, LA. Scope of work included site excavation and embankment installations, aggregate roadway installation, sewer force-main installation, water distribution system installation, sewer plant and equipment installations.


Little Bayou Black Pump Station; Terrebonne Parish Consolidated Government; Terrebonne Parish, LA – Sr. Construction Manager. TBS' scope of services included assisting with bids (advertisement, tabulation and award), issuing notice to-proceed, conducting the pre-construction meeting; reviewing shop drawings, submittals, and pay requests; and facilitating monthly site progress meetings during construction activities along with addressing land owner questions and complaints. Supervised on-site project representatives on a daily basis.

Pump Station 1-1A FD Improvements; Terrebonne Parish Consolidated Government; Terrebonne Parish, LA – Sr. Construction Manager. Assisted with bids (advertisement, tabulation and award), issuing notice-to-proceed, conducted the pre-construction and monthly progress meetings; reviewed shop drawings, submittals, and pay requests. Provided on-site representation, observed contractor.

TEC Professional Services Questionnaire


KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Lisa Osborne <i>Senior Project Designer</i>
Project Assignment:
Project Technician
Name of Firm with which associated:

Years' experience with this Firm:
10 with this firm 33 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:
<p>Lisa is a senior project designer at TBS with over 40 years of CAD experience in civil, transportation, structural, and mechanical engineering. She has extensive experience using MicroStation and Autocad for civil, roadway, and structural projects. Lisa is experienced in using InRoads for developing horizontal and vertical alignments including generating templates to develop roadway sections and earthwork quantities. She utilizes InSurvey for importing survey features into the design model and to develop the existing surface. She has prepared complete set of drawings for construction on numerous civil and structural projects. She has completed the CAD conform training provided by LADOTD and is proficient in LADOTD's standards of roadway plan preparation. She is skilled in all current versions of Microstation and Autocad and has completed a 40-hour program for ArcGis through Penn State Online Courses.</p> <p>Project Experience</p> <p>2017-032-RBP, West Esplanade Avenue Restoration Eastbound, Tartan Drive To Haring Road; Jefferson Parish Government; Jefferson Parish, LA – Senior Project Designer. Developed the horizontal and vertical geometry as per the design engineer specifications. Created all necessary documents for this project including typical sections, plan and profile, joint layout, subsurface drainage and graphical grades.</p> <p>2017-015-RBP, David Drive Corridor Improvements, West Napoleon Avenue to Veterans Boulevard; Jefferson Parish Government; Jefferson Parish, LA – Senior Project Designer. Developed Civil3d plans for the design drainage along the corridor. Verified capacity and flows for the drainage system for the engineer. Prepared all associated plans including details for the submittal.</p> <p>2017-020-RBP, Labarre Road Widening, Airline Drive to Loumor Street; Jefferson Parish Government; Jefferson Parish, LA – Senior Project Designer. Prepared preliminary design for roadway widening including permanent striping and signs and develop quantities. Prepared all necessary plans for the submittal.</p> <p>SP H.004113, I-12 to Bush; LA 3241, LA 435 to LA 40/41; LADOTD; St. Tammany Parish, LA – Senior Project Designer. Performed topographic survey data processing and deliverable preparation, roadway designer activities including roadway corridor modeling of roadway surface, open ditches, median cross overs and intersections utilizing Inroads and roadway plan production for the new 5.5-mile, four-lane RA-3 roadway from LA 435 to Bush, LA.</p> <p>S.P. No. H.011152, I-12, US 190 to LA 59; LADOTD; St. Tammany Parish, LA – Senior Project Designer. Assisted with roadway geometric design including H&V alignments, performed advanced roadway design modeling including complete corridor modeling using Microstation/Inroads, modeling of median barriers, transitions, all cross sectional roadway elements, open ditches and interchange elements, modeling of construction phasing for Level 4 Traffic Management Plans, prepared roadway plans using Microstation, Inroads, CADConform and ControlCAD for the four-mile widening and reconstruction of Interstate 12 in Covington, LA.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Katie Anders <i>Project Designer</i>
Project Assignment:
Project Technician
Name of Firm with which associated:

Years' experience with this Firm:
7 with this firm 3 with other firms
Education: Degree(s)/Year/Specialization:
Associate of Science/2014/Drafting & Design
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Katie is a project technician at TBS with 10 years of experience in drafting and design. She provides technical support by calculating, analyzing, organizing, coordinating, and researching information, preparing drawings, and generally providing assistance with any other tasks necessary to complete the project. Her essential functions include the following: review, analyze and reduce raw data from field operations; prepare designs, drawings, and calculations for the project; prepares deliverables as directed; completing tasks according to the project schedule; assisting other project teams or departments with technical, field, or other duties as needed or requested; and performing additional duties as assigned or expected to ensure that value is being added to all projects by exceeding clients' expectations.</p> <p>Project Experience</p> <p>Causeway Area Waterline Improvements; Jefferson Parish Government; Jefferson Parish, LA – Sr. Project Technician. Responsible for providing drafting and design assistance for the design of a waterline along the Causeway area waterline. Performing design of horizontal and vertical alignment of the proposed waterline.</p> <p>Jefferson Hwy. Waterline Replacement; Jefferson Parish Government; Jefferson Parish, LA – Sr. Project Technician. Responsible for providing drafting and design assistance for the design of a waterline along the Jefferson Hwy. area waterline replacement. Performing design of horizontal and vertical alignment of the proposed waterline.</p> <p>Bella Ridge South Apartments; Favrot & Shane Architects; Jefferson Parish, LA – Project Technician. Responsible for providing drafting and design assistance for the civil site design for the approximately 10-acre, 240-unit expansion of the existing Bella Ridge North site. This project is currently under construction.</p> <p>Drakes Landing Apartment Complex; LDG Development; Baton Rouge, LA – Project Technician. Responsible for providing drafting and design assistance for the civil site design of the 25 acre site located on Ardenwood Dr. in Baton Rouge, LA.</p> <p>Acadia Greenbrier Hospital Expansion; ALPA Construction: St. Tammany Parish, LA – Project Technician. Responsible for providing drafting and design assistance for the civil site design of the approximately 12-acre site for the proposed expansion of the existing facility. Responsibilities included preparation of permitting and construction plans, including site, grading, drainage, pavement, utility and detail sheets. This design-build project is currently under construction. This design-build project is currently under construction.</p> <p>Acadia Longleaf Hospital Expansion; ALPA Construction; Alexandria, LA – Project Technician. Responsible for providing drafting and design assistance for the civil site design of the approximately 8-acre site for the proposed expansion of the existing facility. Responsibilities included preparation of permitting and construction plans, including site, grading, drainage, pavement, utility and detail sheets. This design-build project is currently under construction. This design-build project is currently under construction.</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:	
<p>Waterline Improvements along 26th, 27th, & 28th St. (N I-10 Service Rd. to Metairie Lawn Dr.), Ridgelake Dr. (W. Napoleon Ave. to Veterans Blvd), Veterans Blvd. (N. Causeway Blvd. to Ridgelake Dr.) and Metairie Lawn Dr. (N. I-10 Service Road to 26th St.), Public Works Project No. 2023-015-WRB</p> <p>Jefferson Parish, LA</p> <p><i>Jefferson Parish Government Sidney Bazley, Director Jefferson Parish Water Department 1221 Elmwood Park Blvd., Jefferson, LA 70123 504.736.7644 sbazley@jeffparish.net</i></p>	<p>Jefferson Parish has started a 20-year project to upgrade its waterlines, divided into smaller projects. TBS will oversee the waterline upgrades in the Causeway Blvd area north and south of I-10. This program has subdivided the waterlines into smaller, more manageable projects, which will be designed and constructed continuously over the project's time span. TBS, a trusted and experienced design engineer, has been selected to oversee the waterline improvements in the Causeway Blvd area north and south of I-10.</p> <p>The project involves replacing an 8" waterline for about 9,900 ft and a 12" waterline for about 650 ft. It includes replacing waterline services for houses and businesses, connecting to cross streets, and replacing fire hydrants. Continuous waterline service is required for this type of construction, which requires the new waterline to be constructed in an adjacent trench for the proposed open-cut installation.</p> <p>The project area is defined by a grid street pattern with businesses on both sides of the street and existing infrastructure, including water, sewer, drainage, powerlines, and other buried utilities. The streets do not have a large amount of traffic, but access to residences and businesses must be maintained for the duration of the construction. This available area for installation is relatively congested and presents design constraints that TBS has considered and addressed.</p> <p>One of the standout features of this project is the innovative use of pipe bursting as an alternative method of installation, a request made by the parish. TBS, leveraging our existing knowledge of the technique and reaching out to local contractors with experience, has devised a plan to incorporate it into the project. This method is particularly beneficial in areas with limited right-of-way, limited space, and where direct bury would be cost prohibitive. We anticipate this will lead to cost savings and a reduction in construction impact on the residents.</p> <p>TBS is currently working on the final plans to address the program manager's comments. The project is expected to be put out for bid in the second half of 2024.</p> <div style="text-align: center;">  <p><i>Map layout of project area.</i></p> </div>	
<p style="text-align: center;">Completion Date (Actual or estimated):</p>	Estimated Cost:	
	<p style="text-align: center;">Entire Project:</p>	<p style="text-align: center;">Work for which Firm was Responsible:</p>
2025 (estimated)	\$5,821,392 (est.)	\$5,821,392 (est.)

TEC Professional Services Questionnaire

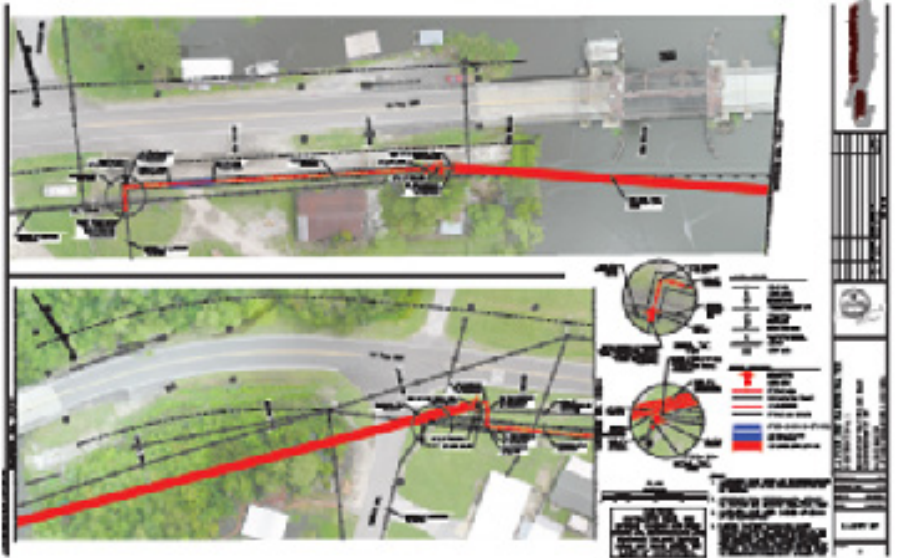
L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 2						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Waterline Improvements along Jefferson Hwy (Rex – Bailey), Public Works Project No. 2023-004B-WRB Jefferson Parish, LA</p> <p><i>Jefferson Parish Government Sidney Bazley, Director Jefferson Parish Water Department 1221 Elmwood Park Blvd., Jefferson, LA 70123 504.736.7644 sbazley@jeffparish.net</i></p>	<p>As part of a long-term strategy to upgrade, replace, and modernize its municipal infrastructure, Jefferson Parish has created a 20-year program to replace many of the waterlines within the parish limits. This program has subdivided the waterlines to be replaced into smaller, more manageable projects and will design and construct them continuously throughout the project's time span. TBS was selected as the design engineer for the waterline improvements along Jefferson Highway in the portion between Rex and Bailey.</p> <p>The project involves replacing the main distribution waterline. The proposed improvements, including replacing a 12" waterline for approximately 9,300 ft, are designed to enhance the water supply system. The construction drawings encompass replacing waterline services for houses and businesses, connections to cross streets, and fire hydrant replacement. Continuous waterline service is a priority, necessitating the construction of the new waterline in an adjacent trench for the proposed open-cut installation.</p> <p>The project area is linear along the length of a four-lane divided highway. The existing waterline is located under the outside shoulder of this asphalt roadway. There are few service connections, except for houses, which are not near cross streets. The existing infrastructure includes water, sewer, drainage, powerlines, and other buried utilities along the shoulder. The roadway is a major artery with high volumes of traffic. TBS has worked to design the construction project to minimize the impact on the roadway during construction and to minimize the amount of roadway removed and replaced.</p> <p>One of the unique parts of this project was a request by the parish to investigate pipe bursting as an alternative installation method. TBS used our existing knowledge of the technique, reached out to local contractors with experience, and put together a plan for incorporating it into the project. Areas in traffic lanes with limited space and areas where direct burial would be cost-prohibitive were identified and designed for this alternative construction method. It is anticipated this will result in cost savings and a reduction in the impact of construction on the residents.</p> <p>TBS is working on the preliminary plans for submission to the program manager. The project is expected to be put out for bid in the first half of 2025.</p>					
	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%; padding: 5px;">Entire Project:</th> <th style="width: 70%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> <tr> <td style="text-align: center; padding: 5px;">\$4,770,818 (est)</td> <td style="text-align: center; padding: 5px;">\$4,770,818 (est)</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	\$4,770,818 (est)	\$4,770,818 (est)
	Entire Project:	Work for which Firm was Responsible:				
\$4,770,818 (est)	\$4,770,818 (est)					
<p style="text-align: center;">Completion Date (Actual or estimated):</p> <p style="text-align: center;">2025 (estimated)</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.

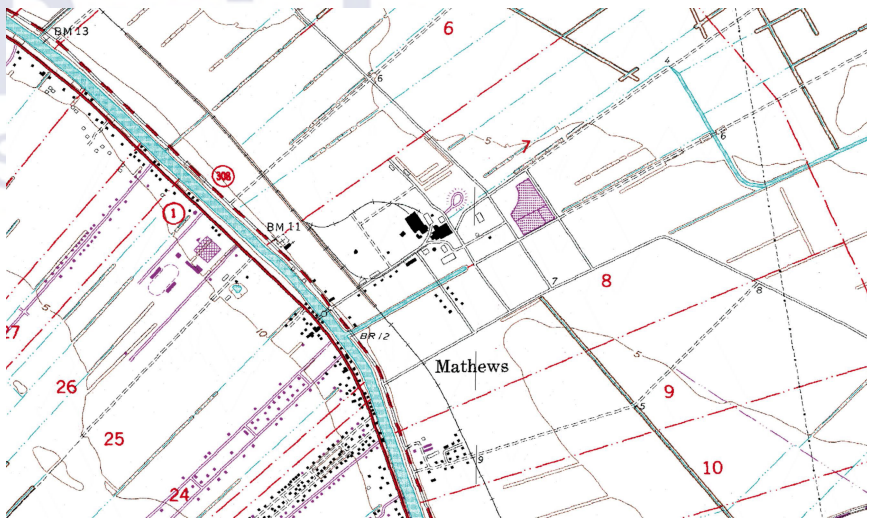
PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Kraemer Waterline Improvements along Hwy 307 Lafourche Parish, LA</p> <p><i>Lafourche Parish Water District No. 1</i> <i>Wayne Gautreaux</i> <i>P.O. Box 399</i> <i>Lockport, LA 70364</i> <i>985.532.6924</i></p>	<p>Lafourche Parish Water District No. 1 received \$2.25 million in Facility Planning & Control (FP&C) funding to replace aging infrastructure along Hwy 307 in Kraemer.</p> <p>TBS has been contracted to provide professional services including surveying, permitting, engineering design, and construction administration for the 6.4-mile waterline replacement project in along Hwy 307 in Kraemer, LA. This project will be constructed in multiple phases, with the first scheduled to bid in August of 2024. The entire project is estimated to cost \$ 3.6M.</p> <p>TBS utilized conventional survey methods as well as specialized Unmanned Aerial Survey (UAS) equipment to survey the project alignment from Rome Lane to Cedar Row along Hwy 307. Engineering design includes installation of 33,700 feet of 8" PVC and a 300-ft directional drilled HDPE bayou crossing.</p> <p>TBS is performing a wetland delineation assessment and overseeing permitting acquisition for various locations along the project route.</p> <p>Services Provided:</p> <ul style="list-style-type: none"> Engineering design Topographic surveys UAS surveying Wetland delineations Permitting Bidding Construction administration <div style="text-align: right;">  </div>	
<p>Completion Date (Actual or estimated):</p>	<p>Estimated Cost:</p>	
<p>2025 (estimated)</p>	<p>Entire Project:</p> <p>\$3,665,033</p>	<p>Work for which Firm was Responsible:</p> <p>\$3,665,033</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. 4

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Sugar Street Waterline Replacement Project Lafourche Parish, LA</p> <p><i>Lafourche Parish Water District No. 1</i> <i>Wayne Gautreaux</i> <i>P.O. Box 399</i> <i>Lockport, LA 70364</i> <i>985.532.6924</i></p>	<p>Capital Outlay funding aimed to replace aging water lines in several residential areas. TBS was contracted to provide surveying, engineering design, and construction administration services for abandoning existing waterlines and replacing them with 2,940 linear feet of new 8" PVC and 12" PE water lines along LA Hwy 20, Sugar Street, and Sugar Mill Road.</p> <p>Services Provided:</p> <ul style="list-style-type: none"> • Topographic surveys • UAS Surveying • Engineering Design • Bidding • Construction Administration • As-Built Surveys 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021 (actual)	\$352,872	\$352,872

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. 5

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Highway 57 Waterline Relocation Terrebonne Parish, LA</p> <p><i>Consolidated Waterworks District No. 1</i> <i>P.O. Box 630</i> <i>Houma, LA 70361</i> <i>Jacob Prosperie</i> <i>985.879.2495</i></p>	<p>TBS provided survey and design specifications for installation of new water lines within private rights-of-way. The widening of Grand Caillou Road from Thompson Road to approximately 500 feet north of Industrial Boulevard involved abandoning and pressure grouting approximately 6,500 linear feet of existing 8-inch cast iron waterline on the western and eastern sides of LA Highway 57. New polyethylene and PVC lines were installed along the same highway, including approximately 6,100 linear feet of 8-inch water line and 4,100 feet of 16-inch waterline. Plans and specifications also called for removing and disposing approximately 4,200 linear feet of water line in order to resolve a conflict with the proposed subsurface drainage system. Where necessary, concrete streets and parking lots were replaced. TBS was responsible for coordinating public and private agencies involved in the construction.</p> <p>Services Provided:</p> <ul style="list-style-type: none"> Topographic surveys Design specifications Right-of-way acquisition Servitude acquisition Utility relocation Bid assistance Agency coordination Construction administration Construction observation Record drawings 	
		
	Hwy 57	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015 (actual)	\$1,615,598	\$1,615,598

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. 6								
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:							
<p>LA 20 Widening: LA 307 to S. Vacherie Lafourche & St. James Parishes, LA</p> <p>LADOTD/St. James Parish Council P.O. Box 106 Convent, LA 70723 Blaise Gravois 225.562.2262</p>	<p>The LA 20 widening project was a safety project that featured asymmetrical roadway widening of the LA 20 two-lane, rural arterial corridor from near LA 307 to South Vacherie by adding 8' outside shoulders and widening travel lanes. Previously, the roadway had no shoulders, narrow travel lanes, and an existing borrow canal immediately adjacent to the west side of the roadway section. For much of the project's 3-mile length, the roadway was surrounded by forested swamp land conditions.</p> <p>Upon completion, this section of roadway met current Rural Arterial standards and provided an increased recovery area for errant vehicles. The project also included replacing a narrow two-lane reinforced concrete slab span bridge near the St. James/Lafourche Parish line.</p> <p>During the initial design stages, TBS conducted all topographic surveying and <i>Subsurface Utility Engineering (SUE) services for the nearly 3-mile project corridor. SUE services consisted of Quality Level B services for all utility facilities within the project and Quality Level A services for more extensive facilities that crossed the roadway centerline, including pipelines, fiber optics, and water mains.</i></p> <p>The project design required two 12' travel lanes and two 8' shoulders. TBS was responsible for all geometric design, traffic management plans, plan production of preliminary and final plans, utility conflict analysis and coordination, existing and design drainage mapping, property surveys, and right-of-way mapping. TBS was also responsible for all bridge design elements, including replacing a 5-span reinforced concrete slab span bridge using split-phase construction and unique design elements. TBS also provided environmental services, including wetland delineations, USCG coordination, permit drawing preparation, Categorical Exclusion (NEPA) document preparation, Public Meetings, and related work. TBS coordinated geotechnical investigation and design services, including settlement analysis and specialty pavement section features due to the existing site conditions.</p> <p><i>TBS performed the design for a waterline relocation of a 12" water main for St. James Parish. A portion of LA 20 was widened in a DOTD project to enhance roadway safety in a hazardous stretch of highway. St. James Parish Water Department was required to relocate waterline within the project area prior to the roadway widening. TBS performed a site visit with the Parish staff to identify a relocation corridor and construction staging areas. TBS designed the construction plans for the relocation including changes to sanitary sewer, driveway replacement, and utility conflict resolution. The project also included the relocation of 1,000 ft of gas line.</i></p>							
 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="background-color: #d3d3d3; padding: 5px;">Estimated Cost:</th> </tr> <tr> <th style="width: 50%; background-color: #d3d3d3; padding: 5px;">Entire Project:</th> <th style="width: 50%; background-color: #d3d3d3; padding: 5px;">Work for which Firm was Responsible:</th> </tr> <tr> <td style="text-align: center; padding: 5px;">2024 (actual)</td> <td style="text-align: center; padding: 5px;">\$127,197</td> </tr> </table>		Estimated Cost:		Entire Project:	Work for which Firm was Responsible:	2024 (actual)	\$127,197
	Estimated Cost:							
Entire Project:	Work for which Firm was Responsible:							
2024 (actual)	\$127,197							

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. 7

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:						
<p>Water Design for Amazon Distribution Facility Lafayette Parish, LA</p> <p><i>Scannell Properties #449 8801 River Crossing Blvd. Indianapolis, IN 46240 317.491.0368</i></p>	<p>The developer requested assistance in developing a 120-acre tract of land in Carencro, Louisiana, to construct a new one-million-square-foot distribution facility with a design occupancy of 3,000 employees. TBS was hired by the developer to provide the required professional services necessary to assist in developing the property. Services included survey, environmental, drainage, water, sewer, paving, landscape architecture, construction administration, and construction staking of the development for the developer.</p> <p>TBS performed the drainage modeling using PCSWMM to design the site drainage and HEC-RAS modeling to do a No-Flood-Rise Certificate. It also designed the water for the site, including domestic, fire, and irrigation, and the wastewater, including both gravity sewer and a sewer force main with 4 in-line duplex lift stations, which were added during construction due to extremely wet and soft soil conditions.</p> <p>The site drainage model had 3 discharge locations with 5 retention ponds, 4 of which were interconnected with 2 discharges to 2 separate watersheds with some culverts reversing flow during a storm event. Metering pipes and orifices were used to ensure that the peak discharge was reduced for all storm events and ponds were sized for a net balance of fill.</p> <p><i>The site water was designed to meet the requirements for the 3,000-employee occupancy load as well as fire water and irrigation requirements. The water lines were installed in a loop to provide redundancy. The wastewater design included gravity sewer until soil conditions required switching to an in-line force main with 4 duplex lift stations for the building and a single pump lift station for the secondary guard shack for a total occupancy of 3,000 employees. The original design was for all gravity sewer but due to unexpected soil conditions and extremely wet weather, the contractor asked us to redesign much of the system during construction to a force main system.</i></p>						
							
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d3d3d3;"> <th colspan="2" style="text-align: center;">Estimated Cost:</th> </tr> <tr style="background-color: #d3d3d3;"> <th style="width: 30%;">Completion Date (Actual or estimated):</th> <th style="width: 70%;">Entire Project:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2022 (actual)</td> <td style="text-align: center;">Undisclosed (private client)</td> </tr> </tbody> </table>		Estimated Cost:		Completion Date (Actual or estimated):	Entire Project:	2022 (actual)
Estimated Cost:							
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2022 (actual)	Undisclosed (private client)						
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	Work for which Firm was Responsible:						
	\$765,275 (fees)						

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. 8

Project Name, Location and Owner's contact information:

Improvements to Water System for Subdivision Development – Maison Trace

*LDSLA Homes
Matthew Poche
1220 South Range Ave.
Denham Springs, LA 70726
225.791.6860
mpoche@dslhomes.com*

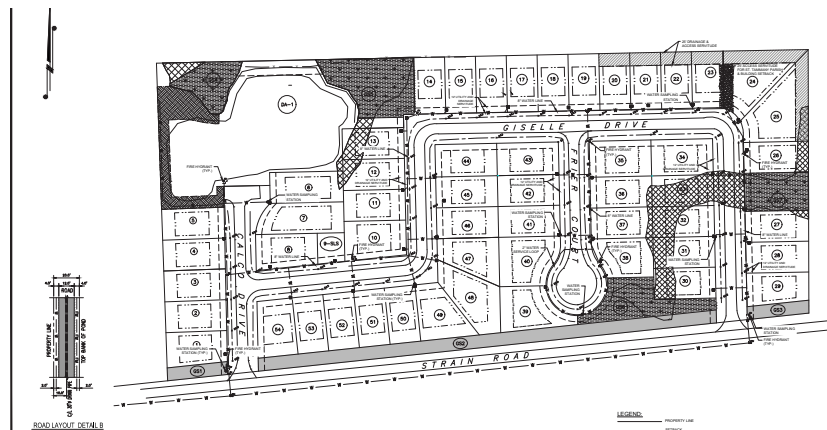
Nature of Firm's Responsibility:

Developer requested assistance in developing a 53-lot residential subdivision. TBS was hired by a developer to provide the required professional services necessary to assist in the development of the property. Services included drainage, water, sewer, paving, landscape architecture, and construction administration, and construction staking of the development for the developer.

TBS performed the drainage modeling using Win-TR55 to size the pond as well as the flow from off-site areas draining through the site. The Rational Method was used to size driveway culverts. A single detention pond was used.

The site water was sized to meet fire water demand. The design included hydrants, service connections, 3 HDD bores, and a sampling station. The water lines connect to the water main in 2 locations to provide redundancy.

The wastewater design included a gravity sewer directed to a new duplex lift station and then a sewer force main to a new wastewater treatment plant. The design also included service connections. TBS permitted the wastewater treatment plant with LDH and the discharge through LDEQ.



**Completion Date
(Actual or estimated):**

2024 (actual)

Estimated Cost:

Entire Project:

Undisclosed (private client)

**Work for which Firm was
Responsible:**

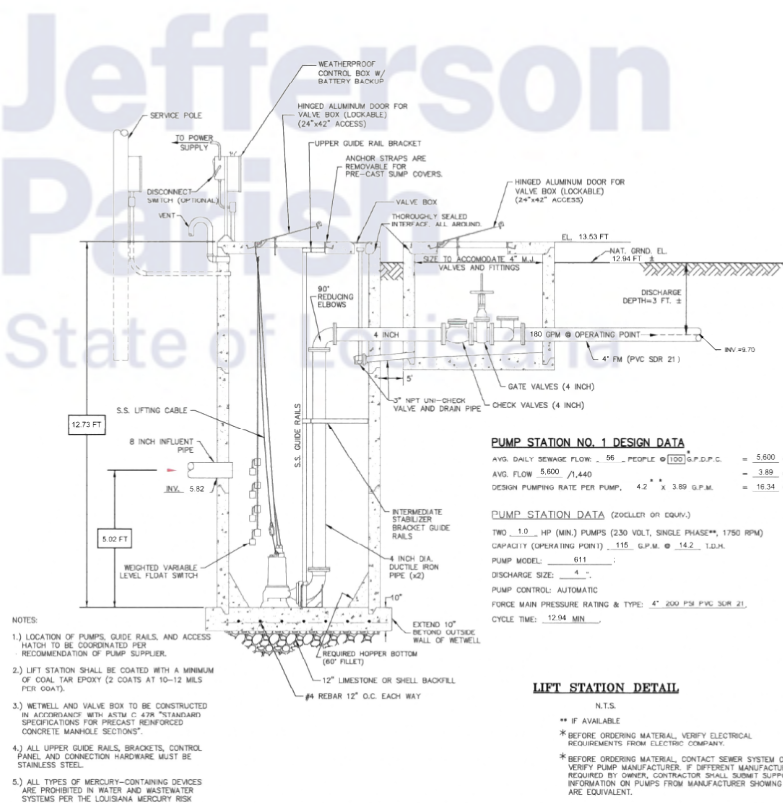
\$129,700 (fees)

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. 9


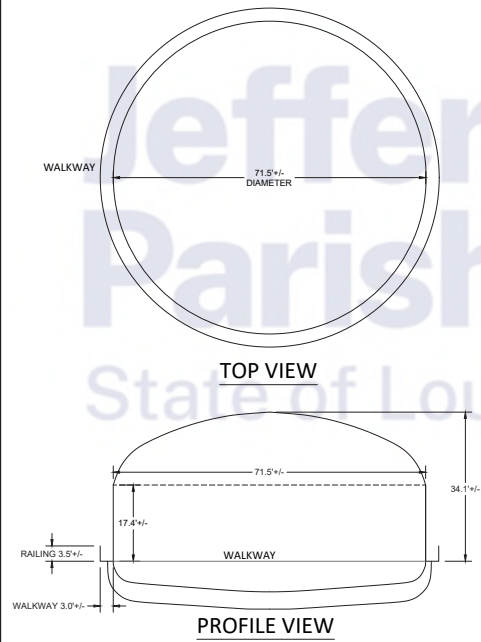
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:																									
<p>Water System Design for Subdivision Development</p> <p>St. Tammany Parish, LA</p> <p><i>Black Oak Holdings</i> <i>Matt Bowers</i> <i>2000 Preserve Lake Dr.</i> <i>Covington, LA 70433</i> <i>Matt@southernunited.com</i></p>	<p>Black Oak Holdings requested assistance in developing a 14-lot residential subdivision. The developer hired TBS to provide the required professional services. Services included drainage, water, and sewer, construction administration, and construction staking.</p> <p>TBS sized the driveway culverts using the Rational Method. The site water was sized to meet fire water demand; the design included hydrants, service connections, and sampling stations. The wastewater design included a gravity sewer directed to a new duplex lift station and then a sewer force main to an existing manhole. The design also included service connections. TBS permitted the discharge through LDEQ. During construction, an unexpected 2" water line was discovered, which, after contact with the water company, we determined a few hours later, was an unauthorized tap running to a residential house on another street.</p>																									
	<table border="1"><caption>PUMP STATION NO. 1 DESIGN DATA</caption><thead><tr><th>Parameter</th><th>Value</th></tr></thead><tbody><tr><td>AVG. DAILY SEWAGE FLOW</td><td>55 PEOPLE @ 100 G.P.D.C. = 5,600 G.P.D.</td></tr><tr><td>AVG. FLOW</td><td>5,600 / 1,440 = 3.89 G.P.M.</td></tr><tr><td>DESIGN PUMPING RATE PER PUMP</td><td>4.2' x 3.89 G.P.M. = 16.34 G.P.M.</td></tr></tbody></table> <table border="1"><caption>PUMP STATION DATA (COLLECTOR OR EQUIV.)</caption><thead><tr><th>Parameter</th><th>Value</th></tr></thead><tbody><tr><td>TWO 1.5 HP (MIN.) PUMPS (230 VOLT, SINGLE PHASE**)</td><td>1,750 RPM</td></tr><tr><td>CAPACITY (OPERATING POINT)</td><td>115 G.P.M. @ 142' S.D.M.</td></tr><tr><td>PUMP MODEL</td><td>611</td></tr><tr><td>DISCHARGE SIZE</td><td>4"</td></tr><tr><td>PUMP CONTROL</td><td>AUTOMATIC</td></tr><tr><td>FORCE MAIN PRESSURE RATING & TYPE</td><td>4" 200 PSI PVC SDR 21</td></tr><tr><td>CYCLE TIME</td><td>12.94 MIN.</td></tr></tbody></table> <p>LIFT STATION DETAIL</p> <p>N.T.S.</p> <p>** IF AVAILABLE</p> <p>* BEFORE ORDERING MATERIAL, VERIFY ELECTRICAL REQUIREMENTS FROM ELECTRIC COMPANY.</p> <p>* BEFORE ORDERING MATERIAL, CONTACT SEWER SYSTEM OWNER AND VERIFY PUMP MANUFACTURER. IF DIFFERENT MANUFACTURER IS REQUIRED BY OWNER, CONTRACTOR SHALL SUBMIT SUPPORTING INFORMATION ON PUMPS FROM MANUFACTURER SHOWING THEY ARE EQUIVALENT.</p>		Parameter	Value	AVG. DAILY SEWAGE FLOW	55 PEOPLE @ 100 G.P.D.C. = 5,600 G.P.D.	AVG. FLOW	5,600 / 1,440 = 3.89 G.P.M.	DESIGN PUMPING RATE PER PUMP	4.2' x 3.89 G.P.M. = 16.34 G.P.M.	Parameter	Value	TWO 1.5 HP (MIN.) PUMPS (230 VOLT, SINGLE PHASE**)	1,750 RPM	CAPACITY (OPERATING POINT)	115 G.P.M. @ 142' S.D.M.	PUMP MODEL	611	DISCHARGE SIZE	4"	PUMP CONTROL	AUTOMATIC	FORCE MAIN PRESSURE RATING & TYPE	4" 200 PSI PVC SDR 21	CYCLE TIME	12.94 MIN.
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CYCLE TIME	12.94 MIN.																									
Completion Date (Actual or estimated):	Estimated Cost:																									
	Entire Project:	Work for which Firm was Responsible:																								
2021 (actual)	Undisclosed (private client)	\$30,300 (fees)																								



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. 10

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Causeway Water Tower UAS Survey Jefferson Parish, LA</p> <p><i>Jefferson Parish Government Sidney J. Bazley III 1221 Elmwood Pk. Blvd. Suite 909 Jefferson, LA 70123 504.736.6060</i></p> <div data-bbox="175 972 518 1409">  </div> <p style="text-align: center;"><u>GROUND VIEW</u></p>	<p>TBS performed a UAS Survey at the Causeway water tower to determine the general size of the water tower so an artist can render the new paint scheme.</p> <p>TBS' UAS crew deployed a multi-rotor drone to fly the extents of the water tower to collect data from the air. TBS then returned to the office, processed the data from the field services and produced the deliverable drawing.</p> <p>Services Provided:</p> <ul style="list-style-type: none"> • UAS Survey <div data-bbox="537 877 1015 1514">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
2021 (actual)	Entire Project:	Work for which Firm was Responsible:
	N/A	\$2,500 (fees)

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:	
Jefferson Parish Government	Swift Energy Operating, LLC; Double Eagle Marine, LLC; Tommie Vizier and Sons Towing Co, LLC; Premier Tugs, LLC; Daigle Towing Service, LLC; T. Baker Smith, LLC	Because TBS held a portion of the liability, Jefferson Parish offered a settlement, which we negotiated with them and which was approved by Jefferson Parish Council on April 30, 2014. Jefferson Parish prevailed in this litigation, which was settled out of court.

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

FIRM HISTORY

T. Baker Smith, LLC (TBS), an *Engineering News Record* Top 500 Design Firm, has provided professional engineering, environmental, surveying, and construction management services in Louisiana for over a century. TBS was founded in Houma, LA in 1913 and has since expanded to additional offices throughout the state of Louisiana as well as Texas and Mississippi. In 1936, our founder, T. Baker Smith, engineered the first paved road in Houma, LA. In the decades since then, the mission of "turning ideas into reality" for clients continues to challenge TBS' professionals to remain on the cutting edge of technology, so that we can provide the most economically viable solutions to our clients.



TBS is dedicated to providing innovative civil engineering and design services for our clients. Our experience covers a broad range of public works, land development, industrial, pipeline, and facility projects. Our civil engineering and design services include flood protection and drainage systems, pump stations, hydraulic and hydrologic studies, water and sanitary sewer design, treatment facilities, earthwork and site developments, erosion control structures, and earthen levees.

PROFESSIONAL TRAINING AND EXPERIENCE

Our Training. Our professionals hold degrees in civil, mechanical, structural, environmental, and coastal engineering; landscape architecture; mechanical engineering technology; geomatics; industrial technology; drafting and design technology; etc. All of our professionals have proper state licenses, registrations, and certifications to provide professional services for our clients. The resumes provided in Section K of this TEC Professional Services Questionnaire including the professional training and experience of our carefully curated team selected for this contract.

Our Experience. TBS thrives on providing top-notch, integrated solutions that improve water infrastructure. TBS provides experienced, trusted, and local professionals with the passion to see our communities flourish and the know-how to see these meaningful projects through to a satisfactory completion for the public. As a stakeholder in Jefferson Parish, we are deeply invested in the success of projects in the area as it affects our associates' homes, families, and our business. We are eager to engage sufficient resources to assist Jefferson Parish in any effort

FIRM SIZE

In addition to your dedicated project team, TBS has over 290 staff members firm-wide including civil, structural, and environmental engineers, land surveyors, planners, landscape architects, environmental scientists, biologists, construction administrators and project representatives. TBS has the quality and quantity of professionals to meet all of your needs, including delivering a high quality project in a compressed time period.

TEC Professional Services Questionnaire

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

CAPACITY FOR TIMELY COMPLETION OF PROJECTS

TBS is committed to continuously improving project completion time and schedules. With over 290 associates and nine office locations firm-wide, we have sufficient staff and resources to handle the tasks associated with this project. Our associates range from discipline leaders and lead professionals overseeing the quality of work, to project managers managing the project's progress, to project technicians and assistants providing advanced technical support to get the job done. Our integral approach to projects allows us to communicate, manage, and use resources from various office locations on a daily basis. Additionally, TBS continues to recruit and employ highly qualified professionals to ensure continued growth of the quality services we provide to our communities.

PAST PERFORMANCE

Since establishing our office in Metairie, LA in 2015, **TBS has completed 38 projects for Jefferson Parish Government, including engineering, survey, and environmental tasks.** We have successfully managed a variety of water improvement initiatives throughout South Louisiana, including projects for water system planning, upgrades, and rehabilitation. Our team members in Section K bring decades of expertise in all phases of water system development, from initial planning and design to permitting, bidding, and overseeing construction. TBS has also been instrumental in submitting proposals to the Louisiana Department of Health and Hospitals for multiple water treatment, collection, and transmission facilities across southern Louisiana, underscoring our dedication to improving water quality and infrastructure at both local and state levels.

LOCATION OF THE PRINCIPAL OFFICE

TBS will manage and execute projects resulting from this request from our Metairie, LA office located at 6660 Riverside Drive, Suite 101, Metairie, LA 70003. Additional support can be provided from our other office locations as needed.

LEGAL PROCEEDINGS

As described in Section M above, TBS was involved in a legal matter with Jefferson Parish that was settled in April of 2014. TBS was named an additional party to the suit. This legal matter was not related to any parish project or contract between TBS and the parish, nor was it related to any substandard or negligent work by TBS on a parish project or contract.

PRIOR SUCCESSFUL COMPLETION OF PROJECTS

Since 1913, TBS has provided public works solutions that improved the quality of life in the communities we helped build. From master planning and sustainable design to complete project management and government regulation, our public works solutions are targeted to fit each project scope. TBS has built long term relationships with repeat clients in the public market sector. In the past five years, TBS worked on more than 500 projects belonging to the public sector.

MINIMUM REQUIREMENTS

Requirement	TBS Associate
1. The persons or firms under consideration shall have at least one (1) principal who is a licensed, registered architect or a professional engineer in the State of Louisiana.	Kenneth Wm. Smith, PE, PLS, FACEC Chief Executive Officer LA PE 24642
2. The persons or firms under consideration shall have a professional in charge of the Project who is a licensed, registered architect in the State of Louisiana with a minimum of five (5) years' experience.	Brian Moldaner, PE, MBA Chief Growth Officer LA PE 40075
3. The persons or firms under consideration shall have one (1) employee who is a licensed, registered architect or professional engineer in the State of Louisiana in the applicable discipline involved.	Brian E. Moldaner, PE, MBA Chief Growth Officer LA PE 40075

TEC Professional Services Questionnaire

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



CONCLUSION | EXPERIENCE WITH WATERLINE IMPROVEMENT PROJECTS

TBS has a proven history of successfully completing a significant number of water and wastewater projects along the Gulf Coast, including water system planning, upgrades, and rehabilitation, as well as waterline relocations and rehabilitation. The key TBS personnel listed in this proposal are not just experienced; they are seasoned professionals with years of expertise in the preliminary planning, surveying, design, permitting, bidding, and construction administration of water transmission and distribution systems, sanitary sewer collections systems, lift stations, and large diameter sewer transmission force mains. Their passion for their work and commitment to excellence is what sets TBS apart.

TBS Local Public Agency Clients

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| <ul style="list-style-type: none">• Acadiana Planning Commission• Ascension Parish Government• Bayou Lafourche Fresh Water District• Bayou L'Ourse Gravity Drainage District #1• City of Alexandria• East Baton Rouge Parish• City of Central• City of Covington• City of Kenner• City of Harahan• City of Mandeville• City of New Orleans• City of Thibodaux• City of West Monroe• Consolidated Gravity Drainage District No. 2 of St. Mary Parish• Flood Protection Authority-East• Houma-Terrebonne Airport Commission• Lafayette Consolidated Government• Lafayette Parish School System• Lafourche Parish Government• Lafourche Parish Water District No. 1• Morgan City Harbor and Terminal District | <ul style="list-style-type: none">• North Lafourche Conservation, Levee, and Drainage District• Plaquemines Port Harbor & Terminal District• Port of Brownsville• Port of Corpus Christi Authority• Port of Galveston• Port of Houston Authority• Port of New Orleans• Port of South Louisiana• St. Charles Parish• St. James Parish Council• St. Mary Levee District• St. Mary Parish Government• St. Mary Parish Water & Sewer Commission No. 1• St. Mary Parish Water & Sewer Commission No. 4• St. Tammany Parish Government• Tangipahoa Parish Government• Terrebonne Levee & Conservation District• Terrebonne Parish Consolidated Government• Terrebonne Parish Consolidated Waterworks District No. 1• Terrebonne Port Commission• Town of Grand Isle• Town of Lockport |
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O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature: Brian E Moldaner Print Name: Brian Moldaner, PE, MBA

Title: Chief Growth Officer Date: 06/21/2024