



Resolution 144203 | SOQ 24-015

# Jefferson Parish Government Routine Engineering Services for Drainage Projects

## Statement of Qualifications

June 21, 2024



## TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

### ROUTINE ENGINEERING SERVICES FOR DRAINAGE PROJECTS

Resolution 144202 | SOQ 24-015

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:**

Bachelor of Science/2011/Civil Engineering

Master of Business Administration/2019

**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**

**Colonial Club Pump Station Evaluation; Jefferson Parish Government; Jefferson Parish, LA** – Lead Professional.

Provided QA/QC of modeling results and project exhibits/reports. Oversaw all aspects of the project including conceptual design, scheduling, survey, modeling, reporting and client communications. Ensured successful project outcome through management and technical guidance of the project team.

**St. Charles West Bank Master Drainage Plan; St. Charles Parish Government; St. Charles, LA** – Lead Professional.

Oversees all services including H&H modeling of the entire West Bank of St. Charles Parish, improvement identification/prioritization, improvement benefit analysis, improvement cost estimating, and report/presentation preparation.

**Monroe Street Drainage Improvements; City of Mandeville; St. Tammany Parish, LA** – Overall Project Manager, Project Engineer.

Provided engineering services for the upgrade of existing pipe diameters, enclosure of existing open ditches, upgrade of new cross culverts, and miscellaneous subsurface drainage piping in the segments of Kleber Street and Monroe Street that experienced street flooding in Mandeville, LA. Provided analysis of the upstream drainage areas to size drainage system in project area appropriately. Managed all supporting consulting services including topographic surveying and geotechnical investigations. Assisted the City with bidding of the project, provided construction administration services throughout construction and provided as-built record drawings at completion.

**Amazon Distribution Center; Scannell Properties #449, LLC; Lafayette Parish, LA** – Project Manager, Engineer of Record.

Led design and construction administration of all civil scope including the 150-acre site design supporting the 1,080,000 square foot facility, off-site road improvements, 40 acres of site drainage detention ponds, 1,000 passenger vehicle parking spaces and 300 truck stalls. Managed and participated in public outreach to address local citizens' concerns regarding traffic. Coordinated and managed various sub-consultants.



## 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:**

LA PE.36709/2011/Civil

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

Will has successful history as a Project Manager having managed multifaceted projects including regional drainage projects, green infrastructure, water main improvements and sewer collection system improvements, street construction, site development, as well as flood protection projects. He has served as 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. He has successfully executed many multifaceted projects from problem identification through project completion. His experience includes large civil works for private developers and public municipalities.

#### **Project Experience**

**St. Charles Master Drainage Plan; St. Charles Parish Government; St. Charles Parish, LA – Project Manager.** Provided engineering services for the project including H&H modeling, project identification/prioritization, improvement benefit analysis, improvement cost estimating. This plan separates the parish into multiple watershed basins with modeling and drainage improvement recommendations specific to each basin. Project includes the creation of digital terrain models by merging survey data with lidar data within the drainage systems to develop elevation volume curves of the available storage as well as the flow characteristics of the basins.

**Goodbee Detention Pond; St. Tammany Parish Government; St. Tammany Parish, LA – Project Engineer.** Assisted with professional engineering services of the proposed drainage improvements including proposed ponds in next phase of this project. This project includes drainage in the HWY 1077 area undergoing mostly residential development which is subject to frequent shallow flooding which needs improvement.

**Lake Villa Pond Hydrologic Improvements; Jefferson Parish Government; Jefferson Parish, LA – Project Manager.** Providing engineering consulting services to improve the Lake Villa Pond. The project consists of hydrologic improvements to Pontchartrain Pond. Proposed improvements will include the reshaping, grading, and terracing of the existing Pontchartrain Pond and establishing a hydraulic connection via a channel from the pond to adjacent pump station discharge channel.

**Hagan-Lafitte Drainage Upgrades and Green Infrastructure; City of New Orleans; Orleans Parish, LA – Project Manager.** Responsible for drainage, streets, green infrastructure, water, sewer and underground storage system for FEMA HMGP funded project to reduce flooding in the Lafitte neighborhood. 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. *(Previous Employer.)*

**West Esplanade Avenue Restoration Eastbound (Transcontinental to Causeway); Jefferson Parish Government; Jefferson Parish, LA – Project Engineer.** Responsible for the design of two-lane roadway reconstruction with concrete and asphalt sections. Multiple cross drains replaced and upgraded with connections to canal with outfall structures. Designed roadway replacement to maximize roadway comfort, cross-drain upgrades, sidewalk reconstruction, sidewalk drainage improvements and intersection upgrades.

## 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 | 82426/1997/TX Professional Civil Engineer

Other experience and qualifications relevant to the proposed Project:

Steve has over 43 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

**Post-Katrina Recovery; US Army Corps of Engineers; Orleans Parish, LA** - From July 2007 through May 2012, Mr. Synovitz served as a Project Manager with HDR Engineering, Inc., assisting the New Orleans District of the U.S. Army Corps of Engineers with program and project management of the multi-year, multi-billion-dollar Hurricane Storm Damage Risk Reduction System (HSDRRS) project.

**14th Street Drainage Improvement Project; City of Galveston; Galveston County, TX** – Project Engineer. Assisted Project Manager with QA/QC of the project including pump station and storm drain box culverts. The purpose of this project was to mitigate flooding attributed to an undersized storm drain collection system often compounded by high tidal conditions in Galveston Bay.

**Storm Water Master Plan; City of Corpus Christi, TX; Corpus Christi, TX** – Steve was the Senior Project Engineer for the City of Corpus Christi's Storm Water Master Plan project. The purpose of the work was to provide the City with a comprehensive plan for City-wide drainage, which would consolidate several piecemeal and aging area plans into a modern tool encompassing the entire City and ETJ (Extra-Territorial Jurisdiction) watershed. The Master Plan was divided into 9 "Basins" and covered 310 square miles of acreage.

**Kostoryz Road Storm Drain Improvements Study; City of Corpus Christi, TX; Corpus Christi, TX** – Holly Road to S.P.I.D. This project consisted of the hydrologic and hydraulic analysis of the Kostoryz Road storm drainage system from Holly Road to South Padre Island Drive. Recommendations included the addition of some 30 new inlets along with a new large-diameter outfall main to parallel and enhance the existing system's ability to capture and convey the design storm water flows.

**Miscellaneous Drainage Improvements; City of Corpus Christi, TX; Corpus Christi, TX** – Project Engineer. Preparation of bid documents for four drainage improvement projects. Projects included rehabilitation of portions of concrete lined channels, replacement of deteriorated corrugated metal pipes, and repairs to outfall structures.

**Alameda Street – Staples to Louisiana; City of Corpus Christi, TX; Corpus Christi, TX** – Project Engineer. Hydrologic & hydraulic modeling and storm drain design for urban street reconstruction project for the City of Corpus Christi.

**Shoreline Boulevard Realignment; City of Corpus Christi, TX; Corpus Christi, TX** – Project Engineer. Hydrologic & hydraulics modeling and storm drain design for urban street realignment project for the City of Corpus Christi.

## TEC Professional Services Questionnaire

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

**Name & Title:**

**Paul Carroll, PE**

*Sr. Project Engineer*

**Project Assignment:**

Drainage Modeling Lead

**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 Louisiana-licensed professional civil engineer with over 20 years of experience in stormwater drainage, levees, retention ponds, 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 the development and design of project plans, specifications and estimates.

#### **Project Experience**

**Colonial Club Pump Station Evaluation; Jefferson Parish Government; Jefferson Parish, LA –** Drainage Modeling Lead.

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

**St. Charles West Bank Master Drainage Plan; St. Charles Parish Government; St. Charles, LA –** Drainage Modeling Lead. Oversee development of H&H model development using 2D HEC-RAS modeling of drainage system in St. Charles Parish. This plan separates the parish into multiple watershed basins with modeling and drainage improvement recommendations specific to each basin. Project includes the creation of digital terrain models by merging survey data with lidar data within the drainage systems to develop elevation volume curves of the available storage as well as the flow characteristics of the basins.

**Goodbee Pond; St. Tammany Parish Government; Goodbee, LA –** Drainage Modeling Lead. Assisted in determining survey data collection and modeling needs. Will lead technical design of proposed drainage improvements including proposed ponds in next phase of this project. This project includes drainage in the HWY 1077 area undergoing mostly residential development which is subject to frequent shallow flooding which needs improvement.

**Bogue Falaya H&H Modeling and Regional Pond Location Study; St. Tammany Parish Government; St. Tammany Parish, LA –** Drainage Modeling Lead. Provided project management, QA/QC review of HEC-RAS H&H model, and developed multiple conceptual pond sizing, location, and design options. Multiple iterations of the pond locations were used to evaluate and maximize benefits and lower water surface elevations. Worked closely with Parish in developing pond options. Project including providing updated survey information including channel cross sections, developing a H&H model, evaluating pond locations and scenarios and providing recommendations for ponds to achieve the greatest benefit. Determine optimum solution to regional retention within the Bogue Falaya watershed to minimize flooding impacts to existing residences, including conceptual design of several large regional ponds.

**Monroe Street Drainage Improvements; City of Mandeville; St. Tammany Parish, LA –** Drainage Modeling Lead. Provided engineering services for the upgrade of existing pipe diameters, enclosure of existing open ditches, upgrade of new cross culverts, and miscellaneous subsurface drainage piping in the segments of Kleber Street and Monroe Street that experienced street flooding in Mandeville, LA. Provided analysis of the upstream drainage areas to size drainage system in project area appropriately.



## 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 Science/2002/Environmental Engineering

Bachelor of Arts/1994/General Studies/Construction Management

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

Number/year first registered/Discipline

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

Brian has experience serving as Project Manager/Design Engineer for a wide variety of 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.

#### **Project Experience**

**Chacahoula Pump Station Project; Terrebonne Parish Government; Terrebonne Parish, LA** - Engineer of Record.

Performed all of the work for a Design Study for the size, type, need, cost and feasibility for a new storm water 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 analysis were done based on the findings to ensure the recommendations of the report were viable. Work also included site selection and site layout as well as preliminary design of the new structure. *(Previous employer.)*

**FEMA Flood Analysis; Iberville Parish Government & Livingston Police Jury; Iberville & Livingston Parishes, LA** -

Project Engineer.- Parish wide flood studies were done using field surveys of the existing areas and hydraulic models were created using various Corp software to determine accurate flood water elevations to challenge FEMA on revisions to their flood-maps. *(Previous employer.)*

**Petit Caillou Pump Station Project; Terrebonne Parish Government; Terrebonne Parish, LA** - EOR and performed all of the work for a Design Study for the size, type, need, cost and feasibility for a new storm water pump station to pump water directly out of Bayou Petit Caillou. Precipitation data was used to create new hydrologic and hydraulic data for calculations and analysis to find a viable size for a new pump station. Preliminary work also included site selection and site layout as well as preliminary design of the new structure. *(Previous employer.)*

**Boudreau Road Drainage Improvement; Iberville Parish Government; Iberville Parish, Plaquemine, LA** - Project Engineer. Enterprise Boulevard roadway extension provided a vital connection to residents of the City of Plaquemine between Belleview Drive (LA 75) and Bayou Road (LA 3066). The scope of services for this project included boundary and topographic surveying, ROW maps, wetland delineation, 404 permitting, initial soil testing, and complete civil engineering design of new roadway within the new ROW boundaries. acted as the project administrators for the extension, performing construction management services and planning (site, installation, and project). *(Previous employer.)*

**Price Street Drainage Improvements; Iberville Parish Government; Plaquemine, LA**- Project Engineer. Provided engineering services for a drainage study of the major drainage watershed in the area. Once the study was completed, construction plans and specifications were developed for conversion of open channel to sub-surface drainage. Construction included removal and replacement of 20' of roadway with curb and gutter roadway, installation of large diameter metal arch drain pipes, and installation of 1,500' of drain line and catch basins. *(Previous employer.)*

## TEC Professional Services Questionnaire

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

**Name & Title:**

**Robert Karam, Jr., PE**

*Lead Professional, Engineering*

**Project Assignment:**

Project Engineer

**Name of Firm with which associated:**



**Years' experience with this Firm:**

8 with this firm | 1 with other firms

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

Bachelor of Science/2014/Civil Engineering

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

43854/2019/LA Professional Civil Engineer

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

Robert designs and manages flood protection, drainage and pump station solution for clients that are primarily in the public sector including local municipalities, drainage districts, levee districts, and state agencies. His design experience focuses heavily on stormwater management and includes drainage pump stations and food risk reduction projects along the gulf coast. He has been involved with design including concept planning, preliminary and final design, cost estimating, development of detailed technical specifications and contract documents for compliance with local bidding requirements, and engineering services during construction.

**Project Experience**

**Bonanza Pump Station Flood Proofing; Terrebonne Parish Consolidated Government; Terrebonne Parish, LA** - Engineering Intern. Prepared construction plans to raise a section of the existing flood protection levee lining the outfall canal of bonanza pump station. This includes creating a grading plan and performing quantity calculations for proposed fill material.

**Cyprian Pump Station Improvements; Lafourche Parish Government; Lafourche Parish, LA** - Engineering Intern. Assisted with designing and preparing engineering plans for a new 400 CFS pump station which featured 3-48" vertical lift pumps with diesel engines attached to right angle gear drives, elevated fuel tank with concrete containment, fuel piping, 48" steel discharge pipes, outfall protection, trash screen, and intake and outfall channel improvements. Prepared quantity calculations, list of bid items, and engineers cost estimate. Compiled contract documents and created technical specifications for special bid items. Performed construction administration duties including contractor submittal review, preparing plan changes, assisting with change orders.

**Houma Navigational Canal Lock Complex (TE-113); CPRA; Terrebonne Parish, LA** - Project Engineer. Prepared report analyses and drawings as required for several phases of the project. The HNC Lock Complex will provide ecosystem restoration, prevent saltwater intrusion, improve distribution of freshwater within the Terrebonne Basin, and provide storm risk reduction to the 1% annual exceedance event. TBS is tasked with topographic, bathymetric, and boundary surveying, channel alignment analysis, engineering and design, and construction documents. Design includes channel dredging, structural backfill buildings, docks, access roads and bridges, erosion and scour protection, and fender system and protection dolphins.

**Morgan City Pump Station & Drainage Improvements; St. Mary Levee District; Morgan City, LA** - Project Engineer. Provided engineering plans for a new 1600 CFS pump station which features the relocation and reinstallation of 6-54" vertical pumps with diesel engines and 1-24" electric vertical pump, relocation and reinstallation of existing fuel tank, 60" discharge pipes, concrete outfall protection flume, and intake channel improvements.

**Bayou Chene Flood Control; St. Mary Levee District; St. Mary Parish, LA** - Project Engineer. Assisted with the engineering design of navigational fender system. TBS was responsible for planning floodwall and levee design, water control structures, pipeline canal closures, dredging, demolition of existing structures, and shoreline stabilization. TBS also acquired permits for restoration work associated with the initial emergency structure; approximately 300 cypress seedlings were planted on Avoca Island.

**Lakeside Flood Protection Project; St. Mary Levee District; St. Mary Parish, LA** - Project Engineer. Provided design and cost estimation of approximately 3000 linear feet of rip-rap breakwater to aide in protecting the Lakeside neighborhood from hurricane wind generated waves and storm surge. Numerous layouts and breakwater elevation scenarios were generated and their results analyzed based on feedback from Lakeside residents.

## 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:**

4344/2019/LA Professional Civil Engineer

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

Clark is a licensed professional engineer and is responsible for the design and management of various civil projects that include drainage, street restoration & reconstruction, water, sewer, levees, and site development. Clark's design responsibilities include H&H modeling, construction plan & specification preparation, cost estimating, and scheduling. Project management responsibilities include proposal development, creating project management plans, coordination of sub-consultants, oversight of topographic surveys & geotechnical work, and construction administration.

**Project Experience**

**Colonial Club Pump Station Evaluation; Jefferson Parish Government; Jefferson Parish, LA** – Project Manager, Engineer of Record. Performed data discovery & analysis, technical calculations, H&H modeling, benefit analysis, cost estimating, and report & exhibit production. Also, provided overall management for the project which included coordination of all work, managing multiple disciplines, leading team meetings, and client relations. Produced final H&H report detailing all the findings of the evaluation.

**Eastbound West Esplanade Avenue Improvements; Jefferson Parish Government; Jefferson Parish** – Project Manager & Engineer of Record. Clark designed all improvements for the project including roadway, drainage, water, and sewer. He managed all aspects of the project including sub-consultants, budget, schedule, client interaction, contractual, and invoicing.

**Labarre Road Widening; Jefferson Parish Government; Jefferson Parish, LA** – Project Manager & Engineer of Record. Clark produced stamped plans and specifications for the project. He designed all aspects of the project including roadway, drainage, utility, permanent striping, and pedestrian improvements. He managed all aspects of the project including sub-consultants, construction contractor, resident inspection, budget, schedule, client interaction, contractual, and invoicing. Clark advanced the project through Public Bidding and provided construction administration.

**St. Charles West Bank Master Drainage Plan; St. Charles Parish Government; St. Charles, LA** – Project Engineer. Assisted in the H&H modeling of the entire West Bank of St. Charles Parish, improvement identification/prioritization, improvement benefit analysis, improvement cost estimating, and report/presentation preparation.

**Goodbee Detention Pond; St. Tammany Parish Government; St. Tammany Parish, LA** – Project Manager. H&H study for the construction of a 54-acre stormwater detention pond. Provides overall management for the project including coordination of all work, management of sub-consultants, leading team meetings, maintaining project schedule & budget, and providing updates to the Owner.

**LA 3241 Regional Detention Pond; St. Tammany Parish; St. Tammany Parish, LA** – Project Engineer. Provided drainage modeling by creating an existing conditions 1D HEC-RAS Model of Little Brushy Branch and a proposed model with the volume of pond storage added to show the reduction of flood depth.

**Amazon Distribution Center; Scannell Properties #449; Lafayette Parish, LA** – Project Engineer. Assisted with design and construction administration of all civil scope including the 150-acre site design supporting the 1,080,000 square foot facility, off-site road improvements, 40 acres of site drainage detention ponds, 1,000 passenger vehicle parking spaces and 300 truck stalls.



## TEC Professional Services Questionnaire

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

**Name & Title:**

**Stephen Walker, PE**

*Project Engineer*

**Project Assignment:**

Project Engineer

**Name of Firm with which associated:**



**Years' experience with this Firm:**

7 with this firm | 0 with other firms

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

Bachelor of Science/2016/Civil Engineering

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

45568/2021/LA Professional Civil Engineer

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

Stephen is a professional engineer and is primarily responsible for providing advanced technical support in the development/design of assigned engineering projects, including assisting the design engineer and project manager in the development and design of project plans, specifications, and estimates. He has provided support in TBS' engineering discipline by calculating, analyzing, organizing, coordinating, and researching information, preparing drawings, and generally providing the necessary CADD support to complete the engineering design effort.

#### **Project Experience**

**14th Street Drainage Improvement Project; City of Galveston; Galveston County, TX** - Project Engineer. Assisted with the 15% Design for the structural pump station conceptual design; the 30% Design; and the 60% Structural Design phases. For the 15% Design he performed review of pump well calculations. For the 30% and 60% Design he performed structural design and MTO review. Walker was involved with pump station design, STAAD model review, MTO & cost estimate, and calculation checks.

**Mid-Barataria Sediment Diversion; CPRA; Plaquemines Parish, LA** - Project Engineer. Walker has been involved with the project since 2018 where he began as an Engineer Intern assisting with design of flood protection systems. His work on this project has continued through the following phases of the project's design.

**Houma Navigation Canal Lock Complex; Terrebonne Levee District; Terrebonne Parish, LA** - Project Engineer. Walker has been involved with the project since 2017 where he assisted the senior structural design engineer with the design of various flood control structures. His work on this project has continued through the following phases of design, where he took charge of several designs, including bulkhead design.

**Morgan City Pump Station; St. Mary Consolidated Levee District No. 2; St. Mary Parish, LA** - Project Engineer. Reviewed pump station design calculations through 100% Design, and reviewed and adjusted pump station design changes prior to and during construction of pump station.

**Lakeside Flood Control Structure; St. Mary Consolidated Levee District No. 2; St. Mary Parish, LA** - Project Engineer. Performed sheet pile and swing gate 50% analysis and design calculations and reviewed tie-back bulkhead 50% design calculations.

**Bayou Chene Flood Protection Structure; St. Mary Levee District; St. Mary Parish, LA** - Engineer Intern. Reviewed and assisted with design, quantity calculations, and cost estimates for protection systems, including flood wall and guide wall.

## 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:**

LA PE.40079/2015/Industrial Engineering

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

TJ has 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 DOTD 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), hydro/air vacuum excavation, and numerous other types of geophysical locating equipment.

#### **Project Experience**

**Safety Widening of Roddy Road, US 61 to LA 935; Ascension Parish Government; Ascension Parish, LA – SUE Engineer.**

Provided Subsurface Utility Engineering and R/W Mapping for the for the Roddy Road Safety Widening from US 61 to LA 935 as part of the Move Ascension Program. Project included geometric improvements to be made at the LA 429 intersection including Left-turn bays on the EB, WB and SB approaches and right-turn bays at the NB and SB approaches; Geometric improvements at LA 935 to include Left-turn bays at the EB, NB and SB approaches, right-turn bays at the NB approach; replacement of the bridges over New River and Bayou Narcisse.

**LA 3127 Extension: LA 70 to LA 1; Ascension Parish Government; Ascension Parish, LA – SUE Engineer.** Performed Subsurface Utility engineering (SUE) QL B-A in accordance with CI/ASCE 38-02 for all utilities affected by the project alignment. Level A test holes were conducted on 21 underground pipelines which either crossed the route or were within the Right of Way of the roadway. Subsurface utilities designated as part of the SUE services included water mains, sewer force mains, sewer effluent lines, pipelines carrying various products and ranging from 6" to 30" in diameter, buried electrical services, buried telephone, buried fiber optic telephone, fiber optic television, and gas mains. The project is proposed by Ascension Parish as the first phase of a 4-lane divided highway to the south of the City of Donaldsonville, LA.

**Harrison Avenue Improvements, US 190 - LA 59; St. Tammany Parish Government; St. Tammany Parish, LA – SUE Engineer/Project Manager.** Performed subsurface utility engineering and related services scope of work necessary 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 with 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 specifications. He also takes part in pre-bid site visits. 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

**Monroe Street Drainage Improvements; City of Mandeville; St. Tammany Parish, LA** – Construction Manager. Provided construction administration services including: coordinating pre-construction meeting, reviewing daily reports and contractor pay-applications, making periodic site visits, verifying final quantities and preparing final change order and as-built plans.

**Brisbane Court Roadway Improvements; City of Slidell; St. Tammany Parish, LA** – Construction Manager. Provided construction administration services including: coordinating pre-construction meeting, reviewing daily reports and contractor pay-applications, making periodic site visits, verifying final quantities and preparing final change order and as-built plans.


**1-1B Pump Station; Terrebonne Parish Consolidated Government; Terrebonne Parish, LA** – 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 dredging activities along with addressing land owner questions and complaints. Supervised on-site project representatives on a daily basis.

**Construction-Phase Services for Short Cut Canal Dredging Project; Terrebonne Port Commission; Terrebonne Parish, LA** – Construction Manager. The Short Cut Canal Dredging project involved maintenance dredging of approximately 2,500 linear feet of canal that connects the Terrebonne Port slip to the Houma Navigational Canal. The project was designed for hydraulic or mechanical dredge. TBS provided construction engineering services that included bid assistance (advertisement, tabulation and award), issuing notice-to-proceed, pre-construction conference, on-site construction observation and reporting, processing change orders, and approving payment requests for dredging 110,000 cubic yards from the canal.

**New Cut Dune and Marsh Restoration Project TE-37; LDNR; Terrebonne Parish, LA** – Construction Manager. The purpose of the project was to elevate and widen New Cut, which is the breach between East and Trinity Islands in the Isles Dernieres chain, and thus close the breach. The Isles Dernieres shoreline is exhibiting a pattern of fragmentation and disintegration. The project created barrier island dunes and marsh habitat, and lengthen the structural integrity of the eastern Isles Dernieres by restoring the littoral drift and adding sediment into the near-shore system. TBS received a task order under its current general engineering and surveying assistance contract to provide quality assurance and quality control during construction by providing construction administration and on-site project observation.



## TEC Professional Services Questionnaire

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

Years' experience with this Firm:
10 with this firm   6 with other firms
Education: Degree(s)/Year/Specialization:
Associate of Science/2007/Drafting & Design
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>As an engineering project designer, Dustin provides technical support by calculating, analyzing, organizing, coordinating, and researching information, preparing drawings, and generally aiding with any other tasks necessary to complete the project. His essential functions include the following: review, analyze and reduce raw data from field operations; prepare designs, drawings, and calculations for the project; prepare deliverables as directed; completing work according to the project schedule; assist 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><b>Project Experience</b></p> <p><b>Forced Drainage Project 1-1A - Little Bayou Black Pump Station; Terrebonne Parish Consolidated Government; Terrebonne Parish, LA</b> - Sr. Project Technician. Responsible for providing drafting and design assistance for the project. TBS gathered all relevant historical data related to the project from TPCG and our own archives, and reviewed and analyzed the data to determine if the project's requirements and goals could be met utilizing the existing parameters, giving consideration to the proposed structure location, right-of-way requirements, and environmental constraints.</p> <p><b>Cyprien Pump Station; Lafourche Parish Government; Lafourche Parish, LA</b> - Sr. Project Technician. Responsible for providing drafting and design assistance for a new 400 CFS pump station which featured 3-48" vertical lift pumps with diesel engines attached to right angle gear drives, elevated fuel tank with concrete containment, fuel piping, 48" steel discharge pipes, outfall protection, trash screen, and intake and outfall channel improvements.</p> <p><b>14th Street Drainage Improvement Project; City of Galveston; Galveston, TX</b> - Sr. Project Technician. Responsible for providing drafting and design assistance for the site design and layout of the pump station.</p> <p><b>Hwy 57 Waterline Relocation; Consolidated Waterworks Dist. No. 1; Terrebonne Parish, LA</b> - Sr. Project Technician. Responsible for providing drafting and design assistance for the 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.</p> <p><b>Reach E (Falgout Canal); Terrebonne Levee &amp; Conservation District; Terrebonne Parish, LA</b> - Coordinated with engineers on design and plan production of Flood Protection Water Control structures.</p> <p><b>Bayou Chene Flood Control Structure; St. Mary Levee District; St. Mary Parish, LA</b> - Coordinated with client and other firms on design and plan production of Floodwall and Guide Wall Protection Features.</p>

## TEC Professional Services Questionnaire

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

Name & Title:

**Lisa Osborne**

*Senior Project Designer*

Project Assignment:

Sr. Project Designer

Name of Firm with which associated:



Years' experience with this Firm:

10 with this firm | 33 with other firms

Education: Degree(s)/Year/Specialization:

Coursework for Civil Engineering Studies/1980

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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.

#### **Project Experience**

**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.

**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.

**Monroe Street Drainage Improvements; City of Mandeville; St. Tammany Parish, LA** – Senior Project Designer. Performed topographic survey data processing and deliverable preparation, preparation of construction plans for drainage improvements, including subsurface pipe, inlets, channel improvements, utility relocations and prepared as-built plans for local drainage improvement project designed to lower water surface elevations during rainfall events.

**Sanitary Sewer Treatment Plant; City of Thibodaux; Thibodaux, LA** – Senior Project Designer. Performed topographic survey data processing and all construction documents preparation for a new 2 MGD sewer treatment plant for the City of Thibodaux. The project included extensive excavation and embankment including excavation for large settlement and oxidation ponds and embankment and earthen surcharge for plant construction. Detailed earthwork cut/fill analysis, cross sections and earthwork quantity estimations were performed to help provide an efficient and cost effective design.

**US 190 at Northshore and Camp Villere; LADOTD; St. Tammany Parish, LA** – Senior Project Designer. Assisted with roadway geometric design including H&V alignment, performed roadway designer activities including roadway corridor modeling of roadway surface, open ditches, channels and intersections utilizing Inroads and roadway plan preparation for the new roundabouts. Prepared cross sections and performed earthwork analysis and computations.

## TEC Professional Services Questionnaire

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

PROJECT NO. 1		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Colonial Club Ditch Pumping Station Study</b>  <b>Jefferson Parish, LA</b></p> <p><i>Jefferson Parish  Government  1221 Elmwood Park Blvd., Suite 906  Jefferson, LA 70123  John O'Connor, PE  504.736.6833</i></p> <div style="text-align: center; margin: 10px 0;">  </div> <div style="text-align: center;">  </div>	<p>TBS evaluated the feasibility of constructing a 100 CFS capacity drainage pump station along an existing drainage canal located on a former golf course. The former golf course site is approximately 88-acres and is located adjacent to the Mississippi River. The golf course is being redeveloped from an open green space to a site that will include commercial properties, residential properties, and a stormwater management area. Additional improvements evaluated included enclosing the existing drainage canal and rerouting the drainage to a new outfall structure in the Mississippi River. TBS evaluated two alternative locations for the station along the drainage canal and compared the benefits and costs associated with each alternative. Professional Services provided for this evaluation include Topographic Survey, Data Collection, Hydrologic and Hydraulic (H&amp;H) modeling and report, Conceptual Design and Layout, Environmental Analysis, and Cost Estimating.</p> <p>TBS collected Topographic Survey information within the project area for use in the H&amp;H modeling, conceptual layouts, and conceptual design. Data Collection consisted of identifying and collecting all available existing information for use in the evaluation including previous drainage studies, as-built information, and performing site visits. H&amp;H modeling was performed using the PCSWMM software package. PCSWMM is a dynamic hydrology-hydraulic simulation model used to simulate runoff quantity from areas and determine how this runoff behaves as it is transported through the drainage network. For the modeling effort, TBS utilized Jefferson Parish's East Bank H&amp;H model as the base model. This model covers drainage for the entire east bank of Jefferson Parish. TBS updated the model parameters within the project area to reflect the newly collected data and the change in land use. The following models were produced: the Existing Conditions model, the Alternative #1 model, and the Alternative #2 model. The results from the Existing Conditions model formed a baseline to compare against the two post improvement models.</p> <p>TBS performed a Conceptual Design to select an appropriate pump for the application and to size the wet well. The total head loss of the system was calculated, and a pump was selected based on this calculation and the desired station capacity. The wet well was sized to maximize efficiency and minimize the number of pump start-ups. To determine impacts to landowners by the proposed improvements, TBS produced Conceptual Layouts for both alternatives depicting access (utility &amp; site) to the station, layout on the pump station components (generator, wet well, trash screen, control panel), the piping network, and the outfall location. Environmental Analysis was performed to determine potential permits and impacts to the environment. Cost estimates were generated to compare the costs between the two alternatives. TBS produced a comprehensive report detailing all the tasks performed during the evaluation and based on the results of the entire evaluation, TBS provided recommendations to the owner.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<b>2023 (actual)</b>	<b>N/A</b>	<b>\$57,000 (TBS fees)</b>



## 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:

**David Drive Corridor Improvements  
(West Napoleon Avenue to  
Veterans Boulevard)  
Jefferson Parish, LA**

Jefferson Parish Engineering Dept.  
1221 Elmwood Pk. Blvd., Suite 802  
Jefferson, LA 70123  
Mark Drewes, PE, Director  
504.736.6500  
MDrewes@jeffparish.net

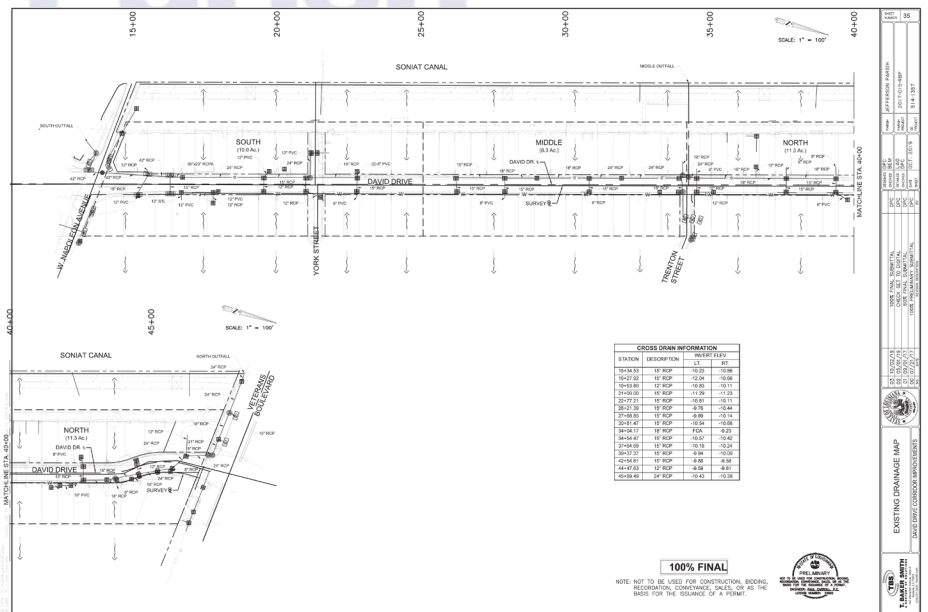
### Nature of Firm's Responsibility:

Jefferson Parish selected TBS as a sub-consultant to Digital Engineering & Imaging Inc. for the David Drive Corridor Improvements (West Napoleon Avenue to Veterans Boulevard).

**TBS was responsible for all tasks related to the drainage design, including:**

- Designing the roadway drainage collection system and subsurface drainage system
- Determining sizes and locations for the drainage system and indicating these on a drainage layout plan
- Providing drainage plan/profile drawings using the improved conditions prepared by the prime consultant
- Supplying existing and proposed drainage maps
- Compiling a hydraulics report
- Summarizing drainage structures
- Drafting specifications for non-standard items
- Performing quantity takeoffs and cost estimates

Additionally, TBS conducted a utility conflict review, identifying and reporting conflicts to the prime consultant for resolution.



Completion Date  
(Actual or estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

2023 (actual)

**\$7,200,000 (total construction)**

**\$58,000 (TBS fees)**

## TEC Professional Services Questionnaire

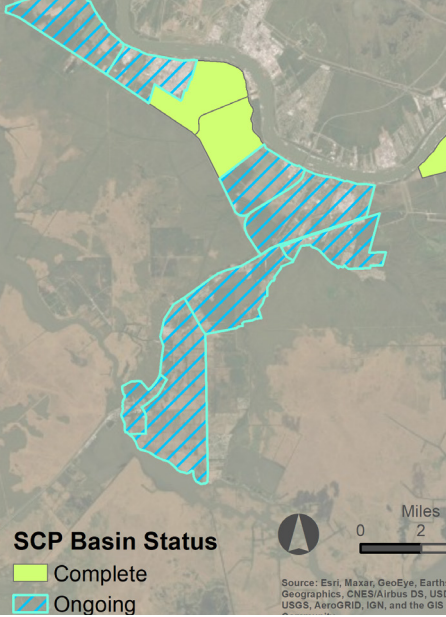
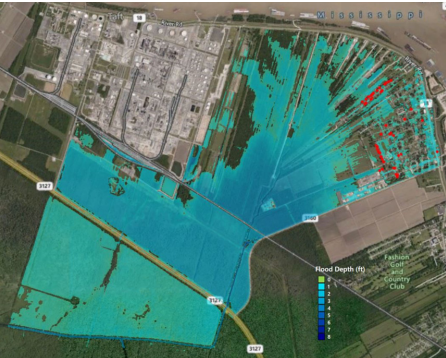
**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Eastbound West Esplanade Avenue Restoration (Tartan Drive to Haring Road)</b> <b>Jefferson Parish, LA</b></p> <p><i>Jefferson Parish Government 1221 Elmwood Pk. Blvd, Suite 802 Jefferson, LA 70123 Mark Drewes, PE, Director 504.736.6500 MDrewes@jeffparish.net</i></p> <div style="display: flex; flex-direction: column; align-items: center;">    </div>	<p>The eastbound lanes of West Esplanade Avenue between Tartan Drive and Haring Road were in less-than-desirable condition due to general wear and tear, various patch repairs and the overall age of the roadway. Jefferson Parish, LA contracted TBS to restore and rehabilitate the roadway to like-new condition. TBS completed design of the improvements and coordinated the public bid of the project in collaboration with the Road Bond Program Manager and Jefferson Parish.</p> <p>TBS provided Construction Engineering and Inspection services throughout the construction and closeout of the project. These CE&amp;I services included reviewing submittals and RFIs related to the construction of the roadway and drainage structures for compliance with the plans, specifications, and applicable design guidelines. TBS provided on-site project representation through a subcontractor to record all daily work items and to ensure those contract items were installed in accordance with the plans and specifications. The TBS CE&amp;I team made site visits and offered guidance when technical difficulties with construction presented themselves. TBS coordinated with contractors, the owner's representatives, and other technical personnel to enable the roadway to be constructed according to the contract documents and within time limitations and budget.</p> <p>TBS also completed Record Drawings and assisted the Parish and Road Bond Program Manager with final project closeout tasks. In addition to designing the general removal and replacement of 9-inch concrete along the half-mile roadway segment, the project included roadway profile adjustments to optimize driver comfort, <b>upgrade of three cross drains to 42-inch RCP</b>, heavy duty curbing, adjustment of various catch basins and manholes, ADA compliant handicap accessible curb ramps and sidewalk improvements, driveway removal and replacement, <b>median drainage improvements</b>, and relocation of street lighting.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<b>2020 (actual)</b>	<b>\$1,800,000</b>	<b>\$1,800,000</b>

## 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><b>St. Charles Parish Master Drainage Plan</b>  <b>St. Charles, LA</b></p> <p><i>St. Charles Parish Government</i>  100 River Oaks Dr.  Destrehan, LA 70747  Miles Bingham  mbingham@stcharlesgov.net  985.331.2624</p>  	<p>The MDP analyzes the existing gravity and forced drainage networks within the West Bank of St. Charles Parish and provides recommendations for improvements to these systems aimed towards mitigating flooding for the existing conditions and planning for surface water runoff from future development. The West Bank of St. Charles Parish is comprised of approximately 21,000 acres of land (excluding marsh/swampland) and consists of eleven primary drainage basins, which were analyzed separately in phases based upon their locations and similarities. The improvements recommended for each basin prioritized using multiple factors including implementation time, cost, and anticipated benefit to their respective area can be utilized to prepare a comprehensive Capital Improvements Program.</p> <p>As part of the phased approach for this analysis, TBS has conducted several data gap analyses to identify where additional information was needed for a complete drainage plan for individual basins. TBS used the data provided by the Parish, publicly available data, and supplemental data collected following the data gap analysis to develop hydrologic and hydraulic models of the watersheds. TBS has prepared individual reports that summarize the results of the modeling for each of the watersheds. Included in each of these reports are conceptual level cost estimates, project priority lists, and other recommendations for implementing the proposed improvements included in the proposed conditions modeling. The detailed reports developed by TBS for each watershed will be used to compile an overall Master Drainage Plan for the West Bank of St. Charles Parish.</p> <p>The modeling of Phases I (Hahnville and Ama-Sellers), Phased II (Luling), Phase IIIa (Mimosa-Willowdale), Phase IIIb (Des Allemands, Paradis, Sunset, Willowridge) and Phase IV (Killona-Taft) have been completed. The reports and findings have provided the Parish with the tools and analysis to move forward with design, construction, and grand funding of much needed drainage projects to alleviate localized flooding concerns.</p> <p>In addition to completing the H&amp;H modeling and reporting tasks, TBS has also participated in community outreach efforts with the Parish. In late 2020 a Citizens' Drainage Committee was formed by the Parish. TBS has attended these events to ensure that the scope of drainage issues is understood as described by those experiencing them first-hand. As part of the analyses, TBS has also reviewed the updated drainage policies implemented by the Parish and has provided insight for future modifications. Lastly, as requested by the Parish, TBS has prepared summary information of the completed Phase I analyses for distribution and presentation to sitting council members. This information describes the potential construction phasing and cost information for all proposed improvements.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<b>2024 (estimated)</b>	<b>N/A</b>	<b>\$950,000 (TBS fees)</b>



## 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:

#### **Morgan City Pump Station & Drainage Improvements St. Mary Parish, LA**

Consolidated Gravity Drainage District  
No. 2 of St. Mary Parish  
P.O. Box 48  
Morgan City, LA  
Jean-Paul Bourg  
985.380.5511

Nature of Firm's Responsibility:

TBS provided design services to St. Mary Levee District and Consolidated Gravity Drainage District No. 2 for the construction of a new pump station to replace two older pump stations in Morgan City, LA. The capacity for the proposed pump station was designed to accommodate approximately 1,600 CFS. The proposed improvements were funded in part by CPRA as well as local funds.

Following the successful completion of approximately \$18 million in levee and drainage improvements, Drainage District No. 2 of St. Mary Parish raised an additional \$6.3 million in local funds to put towards the cost of a new pump station. The district chose to pursue a bond election that would allow them to borrow against their future property tax revenues. TBS assisted with the preparation of an informational flyer summarizing the work on the levee projects and information on the pump station the bond revenue would go towards. The proposition passed with 77% percent of the vote in 2017.

The proposed pump station was a component of the certification package submitted by TBS to FEMA in order to get the proposed levee system accredited, and ultimately updating the Flood Insurance Rate Maps to reflect the new pump station as part of the interior drainage system.

The project features 7- 54" vertical lift pump, culvert capacity improvements, a water control structure, trash screens, scour protection for outfall, and a gantry crane for equipment removal.



Completion Date  
(Actual or estimated):

**2021 (actual)**

Estimated Cost:

Entire Project:

**\$7,039,000**

Work for which Firm was  
Responsible:

**\$7,039,000**



## 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><b>Cyprien Pump Station Lafourche Parish, LA</b></p> <p><i>Lafourche Parish Government 402 Green Street Thibodaux, LA 70301 Dillon Barrone baronneda@lafourchegov.org 985.805.0405</i></p>	<p>TBS provided engineering design services for the construction of a new pump station as well as the improvement of the collection channel adjacent to the pump station, a new trash screen, and additional fuel storage. TBS provided Construction Engineering and Inspection services for this project as well. TBS provided engineering design services for the construction of a new pump station as well as the improvement of the collection channel adjacent to the pump station, a new trash screen, and additional fuel storage. TBS also provided environmental permitting, topographic surveys, and boundary surveys of the tracts directly adjacent to the pump station.</p> <p>TBS provided on-site project representation to record all daily work items and to ensure those contract items were installed in accordance with the plans and specifications. TBS developed pile driving criteria based on the geotechnical investigation in order to assist the contractor in constructing a suitable pile foundation for the structure. The TBS CE&amp;I team made site visits and offered guidance when technical difficulties with steel erection, concrete construction, or pile driving difficulties presented themselves. TBS coordinated with contractors, the owner's representatives, and other technical personnel to enable the pump station to be constructed according to the contract documents and within time limitations and budget.</p> <p>TBS also provided environmental permitting, topographic surveys, and boundary surveys of the tracts directly adjacent to the pump station.</p> <div style="text-align: center;">  </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;"><b>\$3,348,000</b></td> <td style="text-align: center; padding: 5px;"><b>\$3,348,000</b></td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	<b>\$3,348,000</b>	<b>\$3,348,000</b>
Entire Project:	Work for which Firm was Responsible:					
<b>\$3,348,000</b>	<b>\$3,348,000</b>					
<b>2021 (actual)</b>						

## 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


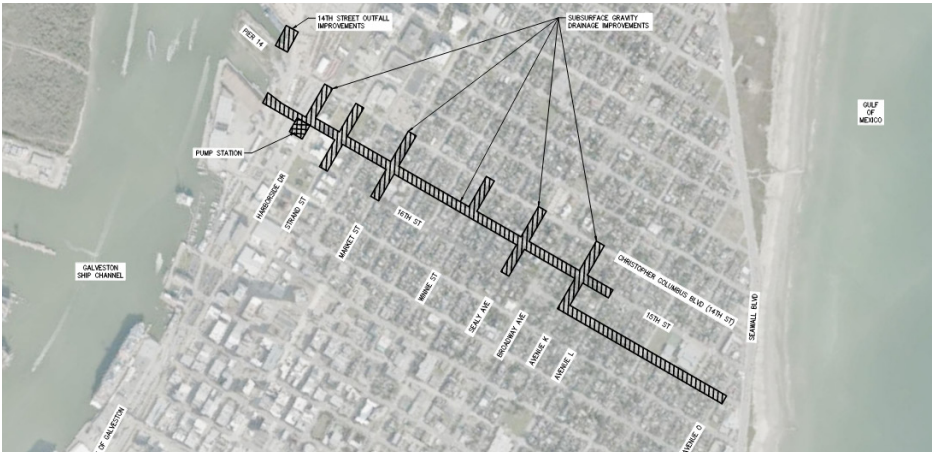
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Amelia 2 &amp; 2A Drainage Study</b> <b>St. Mary Parish</b></p> <p><i>St. Mary Parish Government 500 Main Street Franklin, LA 70538 Bo LaGrange 337.828.4100 ext. 4100 blagrange@stmaryparishla.gov</i></p>	<p>TBS was tasked with the design to upgrade the existing Pump Station 2&amp;2A to increase storm water pumping capacity of an existing 1,000-acre basin to decrease flood risks areas on the north side of LA 182 in Amelia.</p> <p>The project included the removal and replacement of an existing 32" pump and station with a new 48" diameter pump, new steel sheeted sump and wing walls, pile supported reinforced concrete deck and hurricane rated metal building. Drain improvements included approximately 14,000 Cys of drainage exaction, removal of an existing 24" diameter cross drain under LA Hwy 182 and replacement with a 7'x7' concrete box culvert and removal of a second drainage pump station eliminating double pumping of storm water. Additional drainage improvements off site were completed to facilitate movement of water to the new intake channel quicker. Other improvements included deepening of the suction basin, installation of new trash screens, timber bridge to allow equipment to remove debris from the intake channel, modifications to the existing discharge pipe and scour protection over an existing pipeline corridor crossing the improved intake channel.</p>	
		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<b>2023 (actual)</b>	<b>\$2,400,000</b>	<b>\$2,400,000</b>



## 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:	Nature of Firm's Responsibility:	
<p><b>14th Street Drainage Improvements Galveston, TX</b></p> <p><i>City of Galveston, Texas 823 Rosenberg Street, Galveston, TX 77551 Dudley Anderson 409.797.3557</i></p> 	<p>The 14th Street Drainage Improvement Project is the first of a series of infrastructure projects to mitigate both coastal and stormwater flooding. The project scope called for an overall collaborative GIS solution to share data between engineering contractors and the City of Galveston. The GIS solution monitored design changes and tracked overall project progression in a near real-time manner. The GIS solution combined multi-beam hydrographic data for a cruise ship dock along with Lidar data of the project area.</p> <p>The existing subsurface drainage system in the city of Galveston generally drains from Seawall Blvd. to Galveston Bay. Much of the existing system was designed for a 2-year design storm frequency, which was increased to a 25-year design storm following Hurricane Harvey in 2017. The purpose of the 14th Street Pump Station Project is to mitigate flooding attributed to an undersized storm drain collection system often compounded by high tidal conditions in Galveston Bay. The pump station will allow the drainage areas for the 14th, 15th, and 16th Street outfalls to be diverted to the proposed 14th Street Pump Station during high tide conditions, reducing the maximum water surface elevations and draining the system more efficiently for said conditions.</p> <p>The project demonstrates our ability to perform H&amp;H modeling for various storm events within public infrastructure and a port facility as well as the civil engineering for designing a gravity drainage system and a forced drainage system.</p> <p>In addition to the above, TBS performed project management, environmental permitting, civil site design, and structural design for the City of Galveston. TBS will provide construction administration and value engineering services throughout the construction and closeout of the project.</p> 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<b>2026 (estimated)</b>	<b>\$40,000,000</b>	<b>\$40,000,000</b>

## 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:

## Eastside Drainage Improvements Lafourche Parish, LA

Lafourche Parish Government  
402 Green Street  
Thibodaux, LA 70301  
Dillon Barrone  
baronneda@lafourchegov.org  
985.805.0405

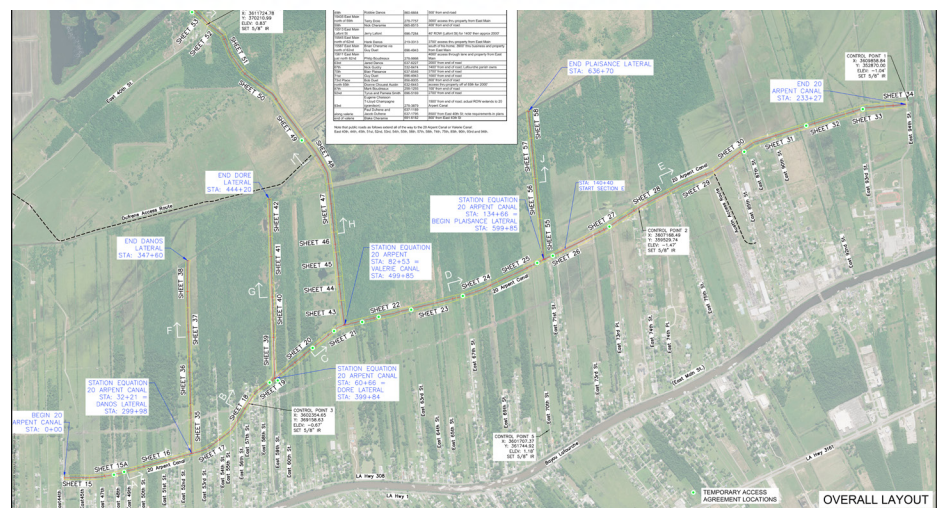
### Nature of Firm's Responsibility:

TBS provided the necessary professional services to design, survey and permit the solution to the current drainage problems along the 20 Arpent canal on the eastside of Bayou Lafourche in the southern part of Lafourche Parish. This included replacement of culverts and cleaning of existing canals and new canals. Included duties were construction contract administration, property owner and Parish coordination, and on-site project representation. Major items of construction included clearing and grubbing of existing drainage right-of-ways, approximately 22,160 Cys of primary drainage excavation in main drainage arteries, approximately 14,500 Cys of lateral drainage exaction, up-sizing of existing culverts and cross drains with approximately 960 LF of new piping ranging between 30" diameter through 78" diameter. cross drain pipe..

TBS obtained a grant totaling approximately \$4.5 million to help fund its construction which will include a future pump station not yet under design.

**Services Provided:**

- Topographic Survey & Aerial Photography
- Right of Way Surveying and ROW Plats
- Hydraulic Modeling and Coordination
- Grant Application Assistance
- Engineering Design- Civil
- Construction Administration Services
- Construction Plans and Specifications
- Wetland Delineation



Completion Date  
(Actual or estimated):

2022 (actual)

Estimated Cost:

Entire Project:

**\$612,000**

Work for which Firm was Responsible:


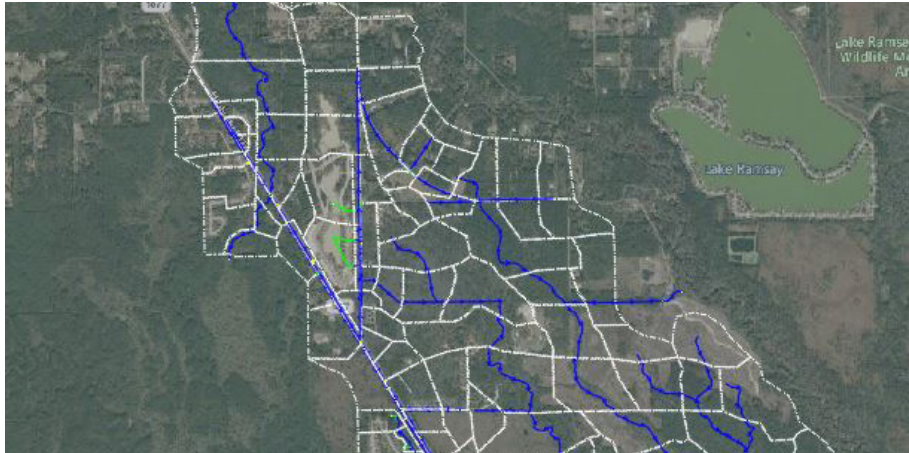
**\$612,000**



## 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><b>Goodbee Pond</b>  <b>St. Tammany Parish, LA</b></p> <p><i>St. Tammany Parish Government</i>            21490 Koop Dr.            Mandeville, LA 70471            Anthony Smith            985.898.2700</p>	<p>TBS was the prime consultant for the Goodbee Pond Project. The project consists of re-evaluating a previous Hydrologic and Hydraulic (H&amp;H) Modeling Study for the area and implementing improvements to reduce flooding in the project area. The previous study was completed several years prior and evaluated the reduction in water surface elevations in the approximately 1,800-acre study area with the implementation of several drainage improvements. The proposed improvements analyzed include a 54-acre dry detention pond, a control structure, channel widening, channel extension, and culvert upgrades.</p> <p>The Professional Services provided for the project include data discovery, data gap analysis, topographic survey, H&amp;H modeling and report production, model QA/QC, composite landowner mapping, desktop environmental analysis, and overall project management</p> <p>TBS provided a topographic survey to acquire data on the existing drainage features (culverts, ditches, channels) in the approximately 4,000- acre watershed for use in the modeling effort. A combination of digital terrain models, contours, and topographic survey information was used to determine the watershed area and to establish boundary conditions for the model. The model was updated to reflect the newly gathered data.</p> <p>The H&amp;H modeling software used was the EPA SWMM 5.0 module which is a dynamic, integrated hydrologic and hydraulic stormwater and floodplain modeling software with the ability to model conditions coupled in both 1D (open channel and closed conduit flow) and 2D (overland flow). High water marks were collected by the TBS survey team during a heavy rain event and used in the model calibration. Once calibrated, the proposed improvements were analyzed for two design storms.</p>	
		
	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<b>2024 (actual)</b>	<b>N/A</b>	<b>\$351,000</b>

## 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 leverages superior, integrated solutions to improve our drainage and sewerage infrastructure. TBS professionals collaborate with public works clients to engineer solutions that will restore and preserve our communities. 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. We have designed numerous drainage systems, water line projects, utility projects, and sewer system projects for local municipalities, state agencies, and the federal government. With the majority of our office locations located in hurricane prone areas, we are no strangers to rebuilding our communities time and time again.

#### 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 architecture, 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 10 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 successfully completed 38 projects for Jefferson Parish Government**, including engineering, surveying, and environmental tasks. In addition to these projects for the parish, TBS is a coastal Louisiana leader in providing drainage solutions, having completed more than 75 drainage studies over the years. These studies have resulted in numerous flood mitigation projects to reduce flood risk to residents of coastal Louisiana. Flood mitigation projects include drainage improvements, forced drainage systems, levees, and water control structures. As an example, TBS has provided engineering design for 23 pump stations across southern Louisiana. Twenty-two of those pump stations are located within coastal parishes and some of them were designed by TBS and constructed almost 50 years ago and are still in operation today.

#### LOCATION OF THE PRINCIPAL OFFICE

TBS will manage and execute projects resulting from this request from our Metairie, LA office located at 6660 Riverside Dr., 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.

#### MINIMUM REQUIREMENTS

Requirement	TBS Associate
1. The persons or firms under consideration shall have at least one principal who is a professional engineer who shall be registered as such in 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 professional engineer who shall be registered as such in Louisiana with a minimum of five (5) years experience in the disciplines involved	Brian E. Moldaner, PE, MBA Chief Growth Officer LA PE.40075
3. The persons or firms under consideration shall have one employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project (A sub-consultant may meet the requirement only if the advertised project involves more than one discipline.)	Brian E. Moldaner, PE, MBA Chief Growth Officer LA PE.40075

#### 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.

Public works is all about making a difference in our communities; improving the quality of life for our families and neighbors; and developing and sustaining long-term, trusted relationships with our local and state government agencies. TBS thrives on providing top-notch, integrated solutions that improve our roads, highways, and bridges, as well as our drainage and sewerage infrastructure. We work daily to find solutions to restore and preserve our precious coastline so that we may sustain our livelihood in these coastal communities we hold so dear. TBS provides experienced, trusted, and local professionals with the passion to see our communities flourish and the know-how to see these meaningful projects



## 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.

through to a satisfactory completion for the public.

#### CONCLUSION

TBS has a proven track record of providing innovative, integrated solutions with focused, personal attention for our clients, including Jefferson Parish Government and surrounding municipalities and special districts. Our associates have the specific expertise relevant to the projects that may arise from this RFQ. . With over 100 years of experience and passion for seeing our communities thrive, we ask for your trust in TBS to provide Jefferson Parish with integrated drainage solutions.

#### TBS Local Public Agency Clients

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



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

Signature: 

Print Name: Brian E. Moldaner, PE,

Title: Chief Growth Officer

MBA Date: 06/21/2024