



T. BAKER SMITH
A CENTURY OF SOLUTIONS



PROFESSIONAL SURVEYING SERVICES FOR THE DEPARTMENT OF PUBLIC WORKS

Resolution: 137285

Statement of Qualifications

April 30, 2021



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

**PROFESSIONAL SURVEYING SERVICES FOR THE DEPARTMENT OF
PUBLIC WORKS ON AN AS-NEEDED BASIS FOR A PERIOD OF TWO YEARS
JEFFERSON PARISH
Resolution 137285**

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

T. Baker Smith, LLC
740 Phosphor Avenue, Suite B
Metairie, LA 70005



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

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.

David Martinez, PLS
Survey Discipline Leader
985.223.9250
David.Martinez@tbsmith.com

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

<u>34</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u>1</u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u>23</u> Civil Engineers	<u> </u> Interior Designers	<u>21</u> Project Managers
<u>5</u> Construction Inspectors	<u>1</u> Landscape Architects	<u> </u> Clerical
<u> </u> Ecologists	<u>49</u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u>1</u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u>11</u> Engineer Intern	<u>1</u> Environmental Engineers	<u>18</u> Technicians/Analysts
<u>21</u> Professional Land Surveyors		<u>230</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:

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

David Martinez, PLS
Survey Discipline Leader

Project Assignment:

QA/QC Manager

Name of Firm with which associated:



Years' experience with this Firm:

37 years with this firm; 5 years with other firms

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1982/Mechanical Engineering Technology

Active registration: Year first registered/discipline:

LA PLS.4614/1989/Survey

Other experience and qualifications relevant to the proposed Project:

As discipline leader of survey, David Martinez offers more than 42 years of overall experience and is responsible for the daily activities of survey parties engaged in all aspects of surveying services provided by TBS. He has direct responsibility for the product generated in the field, and he is also in direct control of the transfer of field information by the survey technicians in preparation of the final documents. The Survey group works in conjunction with all other groups at TBS, cataloging existing topography with data collectors and assisting in its transfer to engineering designs and documents and environmental documentation. He is routinely responsible for oversight and QA/QC of surveying projects for TBS.

Project Experience

I-10 Twin Span Demolition Survey, New Orleans, LA (NASDI, LLC) – Survey Discipline Leader/QAQC. Oversaw underwater acoustic hydrographic surveys including multi beam and side scan sonar for the purpose of identifying and locating debris and pipelines or other infrastructure on the bottom of the lake, underwater span location, and deposition of spans for use as an artificial reef during the demolition of the I-10 Twin Spans over Lake Pontchartrain.

Bucktown Harbor Entrance Hydrographic Survey, Jefferson Parish, LA (Jefferson Parish Government) - Survey Discipline Leader. Oversaw the collection of survey data.

Lafourche Parish Master Drainage Plan, Lafourche Parish, LA (Lafourche Parish Government) – Survey QA/QC. Oversaw the collection of topographic data, survey of approximately 181 miles of collection canal; with 366 cross sections, 412 bridges or culverts and 53 pump stations surveyed.

Forced Drainage Project 1-1B Channel Improvements, Terrebonne Parish, LA (Terrebonne Parish Consolidated Government) – Survey QA/QC. Conceptualization of the 1-1B project started in the mid-1980s; the system provides drainage for over 14 square miles, spanning from Houma northward to Thibodaux. The 18,000-acre 1-1B project contains over 10,000 acres of wetlands that were designed to be used as storage for excess run-off. The wetland areas within the system serve as reservoirs to store stormwater run-off until it is pumped out.

S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD) – Senior Supervising Surveyor. Supervised topographic surveying for new 5.5 mile 4-lane SA-3 roadway from LA 435 to Bush, LA.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Rene Hebert, PLS
Survey Lead Professional

Project Assignment:

Survey Lead Professional

Name of Firm with which associated:



Years' experience with this Firm:

14 years with this firm; 2 years with other firms

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2008/Geomatics

Active registration: Year first registered/discipline:

LA PLS.5070/2011/Survey

Other experience and qualifications relevant to the proposed Project:

As Survey Lead Professional, Rene has 16 years of project experience. He has served as Survey Lead Professional of numerous survey projects where he has been responsible for overseeing and executing the technical aspect of surveying projects including producing and revising drawings, sketches, plans, etc. for contract documents and QC/QA of surveying services. He coordinates work among project technicians, field crew coordinator, field survey personnel, and other required professionals working on the project. Rene has gained valuable experience surveying the environment of south Louisiana including topographic, boundary and GPR surveys and underwater acoustic hydrographic surveys including multi-beam, single beam, side scan sonar, acoustical soundings, magnetometry and other bathymetric surveys for industrial, government and private clients.

Project Experience

St. Bernard Port, Harbor and Terminal District Chalmette Slip Surveys, St. Bernard Parish, LA (St. Bernard Port, Harbor and Terminal District) – Hydrographic Survey Project Manager. Performed underwater acoustic hydrographic surveys including multi-beam, sidescan, magnetometry, and sub-bottom surveys in the Mississippi River in order to obtain detailed bottom conditions near the Chalmette Slip docking facility to recover damage heel-post turning dolphins and conduct other inspections.

Survey Retainer Contract No. 4400003473, Statewide LA (LADOTD) – Principal Surveyor. Oversaw surveying services including Topographic Survey, Title Research Reports, Property Survey, Title Updates, Right-of-Way (R/W) Maps for various project locations.

Harrison Improvements US190-LA59, St. Tammany Parish, LA (St. Tammany Parish Government) – Survey Lead Professional. Responsible for overseeing topographic surveys, crew coordination, oversight of data processing, surface generation for use in existing drainage maps, deliverable preparation, title take off, property surveys, prepared base and final right of way maps for the improvements along Harrison Ave. include approximately 13,200 feet of roadway widening along existing alignment including the installation of single lane roundabouts at Marigold Drive and Falconer Drive.

Nashville Wharf Terminal Survey Services, Orleans Parish, LA (AECOM, Ports America, Port NOLA) – Lead Professional. Oversaw all the topographic and hydrographic survey services at the Ports America facility at Port NOLA. Detailed topographic survey was performed, including under the wharf to collect the mudline topography from the face of the wharf to the bulkhead. Hydrographic side-scan and multibeam survey was performed from immediately in front of the wharf to hundreds of feet into the Mississippi River to record the contour of the river bottom for use in design of the proposed improvements to the facility.

S.P. No. H.001439, Bridges near Grand Isle, LA 1, Lafourche and Jefferson Parishes, LA (LADOTD) – Supervising Surveyor. Supervised property surveys and right of way surveys for the removal of three bridge structures located along LA 1 in Jefferson and Lafourche Parishes near the town of Grand Isle.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Matthew Ledet, PLS
Project Surveyor

Project Assignment:

Project Surveyor

Name of Firm with which associated:



Years' experience with this Firm:

17

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2008/Civil Engineering Technology

Active registration: Year first registered/discipline:

LA PLS.5104/2014/Survey

Other experience and qualifications relevant to the proposed Project:

Matt Ledet is primarily responsible for providing supervision, oversight, and technical work to the survey project by calculating, analyzing, organizing, coordinating, and researching information, preparing drawings, and generally providing the necessary CAD support to complete the survey effort. He also prepares field survey packs for survey crews and is very familiar with LADOTD survey requirements for topographic surveys and right of way mapping. Matt has extensive field experience and is extremely knowledgeable of the latest surveying technology. His engineering background makes him valuable to projects in the field and in the office. He has either led the survey effort or has served on the survey team for many LADOTD projects, including TBS' recent off-system bridge replacements, surveying retainer contracts, and roadway retainer contracts. He is familiar with providing surveys in accordance with LADOTD procedures, including Microstation and InRoads. Matt is experienced utilizing both existing database and newly gathered aerial and mobile LIDAR to create surfaces using Microstation/Inroads platforms and development of surfaces for transportation projects. He is also experienced in combining mobile and aerial LIDAR along with traditional topographic survey data to create composite surfaces.

Project Experience

Colonial Club Ditch Pumping Station Survey, Jefferson Parish, LA (Jefferson Parish Government) – Project Surveyor/Project Manager. Managed the overall project, provided crew coordination oversight of data processing for the topographic survey of the Colonial Club Ditch in Jefferson Parish, LA.

Eastbound West Esplanade (Transcontinental to Causeway) Survey, Jefferson Parish, LA (Jefferson Parish Government) – Surveyor. Provided a detailed survey of the road surface along the desired stretches to provide designers with an existing profile of the road. Along with the existing road surface, utility information, drainage structures, sidewalks, and any other miscellaneous improvements were also collected so the designers would have a complete picture of the roadway corridor.

West Esplanade Avenue Restoration Eastbound (Tartan Drive To Haring Road) Project No. 2017-032 – RBP, Jefferson Parish, LA (Jefferson Parish Government) – Project Surveyor. Responsible for topographic surveys, crew coordination, oversight of data processing, and survey file preparation for approximately 2,650 linear feet of roadway reconstruction.

S.P. No. H.008149, US 90: Rigolets Pass Pier and Fender Removal, Orleans Parish, LA (LADOTD) – Project Surveyor. Lead surveyor for hydrographic surveying utilizing side scan sonar and multi beam to capture point data on the structure and surrounding areas.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Eric Deroche

Director of Field & Office Technology

Project Assignment:

UAS Surveyor

Name of Firm with which associated:



Years' experience with this Firm:

19

Education: Degree(s)/Year/Specialization:

Associate of Applied Science/2001/Drafting and Design Technology

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Eric oversees the Unmanned Aerial Solutions (UAS) at TBS. He has seven years of experience providing professional unmanned aerial system solutions to our clients. Eric Deroche provides a professional vital link between all corporate wide project teams and the IT department. He is responsible for developing and maintaining an efficient and effective "Field to Finish" process corporate wide to serve our client's needs.

Project Experience

Causeway Water Tower UAS Survey, Jefferson Parish, LA (Jefferson Parish Government) – UAS Project Manager. Provided UAS services and data processing for the Causeway Water Tower Survey.

Hydrographic and LiDAR Surveys-17th Street Canal Pilot Project, Jefferson Parish, LA (Flood Protection Authority-East) – UAS Project Manager. Provided topographic and bathymetric canal surveying services: A pilot project assessment of production quality in very shallow water.

Eastbound West Esplanade (Transcontinental to Causeway) Survey, Jefferson Parish, LA (Jefferson Parish Government) – UAS Group Lead. Provided crew coordination for surveying services.

Confidential Client LIDAR Survey, LA – UAS Group Lead. Manage LIDAR surveys for client on an as-needed basis. The data provided by the surveys is utilized by the client for various uses including: existing impoundment expansion, verifying volume quantities provided by construction contractors, and in the annual reporting of airspace quantity to regulatory agencies.

Entergy Substation, Little Gypsy Plant Group – UAS Group Lead. Performed LiDAR survey to confirm as-built finished grade conditions of the SCPS Little Gypsy site.

Shell Refining, Deer Park, TX – UAS Group Lead. Managed LiDAR Topographic Survey and QL B SUE Survey.

Island Road Marsh Creation (TE-117), Topographic, Bathymetric, and Magnetometer Surveys, CPRA, Terrebonne Parish, LA – UAS Project Manager. Managed project that included drone flight operations to capture aerial ortho images with high spatial resolution in order to quickly and accurately map the islands. TBS was tasked with mapping the existing marsh island inside a proposed marsh creation cell for CPRA.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Matthew Stevens

Senior Project Technician/Field Surveyor

Project Assignment:

Hydrographic Field Surveyor

Name of Firm with which associated:



Years' experience with this Firm:

15

Education: Degree(s)/Year/Specialization:

Associate of Science/2005/Drafting and Design Technology

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Matt has been with TBS for 15 years and acts as a hydrographic surveyor on both inshore and offshore vessels. He is an American Design Drafting Association certified drafter who is proficient in the use of AutoCAD, Inventor and data processing for all instruments used by TBS in hydrographic surveying. Matt has spearheaded the processing and drafting portion of many large and high-profile projects at TBS.

Project Experience

Bucktown Harbor Entrance Hydrographic Survey, Jefferson Parish, LA (Jefferson Parish Government)

– Hydrographic Surveyor. Performed hydrographic surveys for the Bucktown Harbor area.

Metairie Marsh Hydrographic Survey, Jefferson Parish, LA (Jefferson Parish Government) – Hydrographic Surveyor. Performed a hydrographic survey of the Lake Pontchartrain shoreline and surrounding areas.

St. Bernard Port, Harbor and Terminal District Chalmette Slip Surveys, St. Bernard Parish, LA (St. Bernard Port, Harbor and Terminal District) – Hydrographic Surveyor. Performed underwater acoustic hydrographic surveys including multi-beam, side-scan, magnetometry, and sub-bottom surveys in the Mississippi River in order to obtain detailed bottom conditions near the Chalmette Slip docking facility to recover damage heel-post turning dolphins and conduct other inspections.

I-10 Twin Span Demolition Survey, Orleans Parish, LA (NASDI, LLC) – Hydrographic Surveyor. Hydrographic surveys for identifying and locating debris, pipelines, or other infrastructure on the bottom of the lake for the demolition of the I-10 Twin Spans.

Ports America Milan Concrete Paving Improvements/Nashville Terminal Conversion to Container and Crane Rail Extension, Orleans Parish, LA– Hydrographic Surveyor. Performed professional hydrographic surveying services in the river.

Nashville Wharf Terminal Survey Services, Orleans Parish, LA (AECOM, Ports America, Port NOLA) – Hydrographic Surveyor. Hydrographic side-scan and multibeam survey was performed from immediately in front of the wharf to hundreds of feet into the Mississippi River to record the contour of the river bottom for use in design of the proposed improvements to the facility. Also, Detailed topographic survey was performed over the site, including under the wharf to collect the mudline topography from the face of the wharf to the bulkhead.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Laramey Leet

Survey Crew Party Chief

Project Assignment:

Survey Crew Party Chief

Name of Firm with which associated:



Years' experience with this Firm:

4 years with this firm; 10 years with other firms

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Laramey Leet has been a survey party chief for over 14 years. As a party chief, he is primarily responsible for supervising field survey personnel in the collection of field survey data required. He is also responsible for educating other field associates and compiling notes, sketches, and records of survey data obtained on work performed. Laramey also ensures that field survey personnel have the necessary equipment and supplies, including personal protection equipment to foster a safe work environment. Laramey is experienced with static, rapid static, kinematic and real-time kinematic GPS surveying as well as surveys utilizing conventional total stations and robotic total stations.

Project Experience

Bucktown Boardwalk Survey Services, Jefferson Parish, LA (Jefferson Parish Government) – Party Chief. Performed topographic surveying for the Bucktown Marsh area.

Colonial Club Ditch Pumping Station Survey, Jefferson Parish, LA (Jefferson Parish Government) – Party Chief. Performed a topographic survey of the Colonial Club Ditch in Jefferson Parish, LA.

S.P. No. H.011152, I-12 Widening (US 190 to LA 59) St. Tammany Parish, LA (LADOTD) – Party Chief. Topographic survey of boring locations. Performed staking and topographic surveys of boring locations for roadway and bridge borings along I-12 for a 4-mile F-3 Interstate widening project.

S.P. No. H.006457, Parker Road and PR 929 Roundabout, Ascension Parish, LA (Ascension Parish Government) – Party Chief. Performed field location of all SUE Level B designations and Level A locations for a 4-legged roundabout in Prairieville, LA, including nearly 35,000 linear feet of utilities and 20 Level A test holes on pipelines and water mains. Performed topographic and property surveys.

Harrison Avenue Improvements (US 190 - LA 59), St. Tammany Parish, LA (St. Tammany Parish Government) – Survey Crew Party Chief. Performed topographic surveys, survey controls network, and SUE surveys for the Harrison Avenue Improvements project from US 190 to LA 59 in St. Tammany Parish.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Jason Harris

Survey Crew Party Chief

Project Assignment:

Survey Crew Party Chief

Name of Firm with which associated:



Years' experience with this Firm:

2 years with this firm; 8 years with other firms

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Jason Harris serves as a survey party chief for TBS and offers over 10 years' experience in field surveys as a party chief, he is primarily responsible for supervising field survey personnel in the collection of field survey data required. He is also responsible for educating other field associates and compiling notes, sketches, and records of survey data obtained on work performed. Jason also ensures that field survey personnel have the necessary equipment and supplies, including personal protection equipment to foster a safe work environment. Jason is experienced with static, rapid static, kinematic and real-time kinematic GPS surveying as well as surveys utilizing conventional total stations and robotic total stations.

Project Experience

Bucktown Boardwalk Survey Services, Jefferson Parish, LA (Jefferson Parish Government) – Party Chief. Performed topographic surveying for the Bucktown Marsh area.

Colonial Club Ditch Pumping Station Survey, Jefferson Parish, LA (Jefferson Parish Government) – Party Chief. Performed a topographic survey of the Colonial Club Ditch in Jefferson Parish, LA.

Metairie Marsh Hydrographic Survey, Jefferson Parish, LA (Jefferson Parish Government) – Party Chief. Conducted a hydrographic survey of the Lake Pontchartrain shoreline and surrounding areas.

Bucktown Harbor 6(f) Boundary Survey, Jefferson Parish, LA (Jefferson Parish Government) – Party Chief. Performed lease boundary survey services in Jefferson Parish.

Eastbound West Esplanade (Transcontinental to Causeway) Survey, Jefferson Parish, LA (Jefferson Parish Government) – Party Chief. Performed field surveys for the Eastbound West Esplanade Avenue Transcontinental Drive to N. Causeway Boulevard project.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Brian Moldaner, PE, MBA
Engineering Lead Professional

Project Assignment:

Client Liaison

Name of Firm with which associated:



Years' experience with this Firm:

10

Education: Degree(s)/Year/Specialization:

Master of Business Administration/2019
Bachelor of Science/2011/Civil Engineering

Active registration: Year first registered/discipline:

LA PE.40075/2015/Civil

Other experience and qualifications relevant to the proposed Project:

Brian Moldaner is a licensed professional engineer and project manager who is skilled at coordinating projects involving various disciplines including engineering, surveying and environmental services. He performs various project management duties that include developing service fee proposals, creating project management plans, coordinating subconsultants, and coordinating survey and environmental field crews. As a professional engineer, he designs complete plan sets for civil projects, including site developments, roadways, drainage systems, bridges, pipelines, and utilities. During his undergraduate studies and prior to his employment with T. Baker Smith, Brian worked as a construction aide at his father's residential construction company in Jefferson Parish, LA, where the principles of a solid work ethic and pride in his work were established.

Project Experience

Bucktown Boardwalk Survey Services, Jefferson Parish, LA (Jefferson Parish Government) – Overall Project Manager. Supervised all professional services including topographic, hydrographic and aerial-based surveys.

West Esplanade Avenue Restoration Eastbound (Tartan Drive To Haring Road), Project No. 2017-032-RBP, Jefferson Parish, LA (Jefferson Parish Government) – Project Manager; Engineer of Record. Responsible for the design of approximately 2,650 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, as well as geotechnical engineering and construction project representative services provided by subconsultants.

David Drive Corridor Improvements (West Napoleon Avenue to Veterans Boulevard), Project No. 2017-015-RBP, Jefferson Parish, LA (Jefferson Parish Government, Drainage Subconsultant) – Project Manager. Performed engineering and project management services for all aspects of design of the drainage improvements associated with the reconstruction of the roadway corridor, including drainage system modeling to size culverts, placement of drainage structures, constructibility review, utility conflict identification and general plan set preparation.

Labarre Road Widening (Airline Drive to Loumor Street), Project No. 2017-020-RBP, Jefferson Parish, LA (Jefferson Parish Government) – Overall Project Manager; Engineer of Record. Supervised all professional services including the topographic survey and performed schematic design for Labarre Road Widening.

Monroe Street Drainage Improvements Mandeville, 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.

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>Bucktown Boardwalk & Marsh Overlook Jefferson Parish, LA</p> <p><i>Jefferson Parish Government Lauren Averill 1221 Elmwood Park Blvd. Suite 906 Jefferson, LA 70123 504.736.6653</i></p>	<p>The Jefferson Parish Department of Environmental Affairs along with the Coastal Management Department of Jefferson Parish is looking to renovate the Bucktown Harbor. This Boardwalk will be the first phase of these proposed renovations to the harbor. The proposed plan is to build a boardwalk that is 8 feet wide and 928 feet long, along the western edge of the Harbor's property that extends into Lake Pontchartrain. This proposed boardwalk will have two eastern facing observation decks that will extend into the interior marsh. The two eastern facing decks will have benches and bird blinds. There are also two proposed 16-foot x 24-foot western facing observation decks with benches that will extend from the boardwalk into the lake. On the northern end of the boardwalk there is a proposed kayak launch.</p> <p>TBS conducted a topographic survey of existing interior marsh area and lake edge. This work was preformed strictly on foot as not to disturb the vegetation in the interior marsh or the lake edge. TBS collected elevation data on a 50-foot grid through the marsh area. In the area of the proposed interior decks, TBS collected elevation data on a 25-foot grid. TBS also provided a detailed survey of an existing water feature that connects the interior marsh with the lake, and cross-section of the existing rip-rap that runs along the lake shoreline. In specified locations TBS extended these cross sections into the lake to locate the end of the submerged rip-rock.</p> <p>Services Provided:</p> <ul style="list-style-type: none"> • Topographic Surveys • Control Points • OPUS Data Processing 	
		
<i>Bucktown Boardwalk & Marsh Site Photos</i>	<i>Bucktown Boardwalk & Marsh Site Photos</i>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018 (actual)	N/A	\$7,650 (surveying 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. 2								
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:							
<p>Bucktown Harbor Survey Services Jefferson Parish, LA</p> <p><i>Jefferson Parish Government Mark Drewes 1221 Elmwood Pk. Blvd. Suite 802 Jefferson, LA 70123 504.736.6500</i></p> <div style="text-align: center; margin-top: 20px;">  <p><i>Bucktown Harbor Vision Plan (image credit: bucktownharbor.com)</i></p> </div>	<p>Bucktown Harbor is a partially reclaimed stretch of 30+ acres of lake bottom which forms a protected harbor on the south shore of Lake Pontchartrain in Metairie, LA. Currently a home base for the U.S. Coast Guard Station New Orleans and serving as a recreational and commercial fishing marina, the Harbor is largely undeveloped. This property provides opportunity to develop a vibrant waterfront gathering place, rich with tradition and honoring the history of the community. Future plans for the property include modification of the harbor entry, additional boating docks, terraced lawns, an educational marsh boardwalk and fishing pier, among other features.</p> <p>Services Provided:</p> <ul style="list-style-type: none"> • Site-wide topographic land surveying <ul style="list-style-type: none"> o 36-acre Topographic Survey o Utilities Mapping o Elevation Grid of Marsh Area • Single-Beam Hydrographic Survey <ul style="list-style-type: none"> o Inner Harbor o Pump Station Discharge Area o Lake Pontchartrain Shoreline from Harbor to Causeway Bridge • Multi-Beam Hydrographic Survey <ul style="list-style-type: none"> o Harbor Entrance o Pump Station Discharge Area • 6(f) Boundary in Accordance with LWCF Guidelines • Shoreline Erosion Assessment (Ongoing) <ul style="list-style-type: none"> o Aerial LiDAR o Traditional Topographic Survey o Bathymetric Survey 							
<p style="text-align: center;">Completion Date (Actual or estimated):</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; padding: 5px;">Entire Project:</td> <td style="width: 50%; text-align: center; padding: 5px;">Work for which Firm was Responsible:</td> </tr> <tr> <td style="text-align: center; padding: 5px;">2019 (actual)</td> <td style="text-align: center; padding: 5px;">N/A</td> </tr> <tr> <td style="text-align: center; padding: 5px;"></td> <td style="text-align: center; padding: 5px;">\$41,000</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	2019 (actual)	N/A		\$41,000
Entire Project:	Work for which Firm was Responsible:							
2019 (actual)	N/A							
	\$41,000							

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.


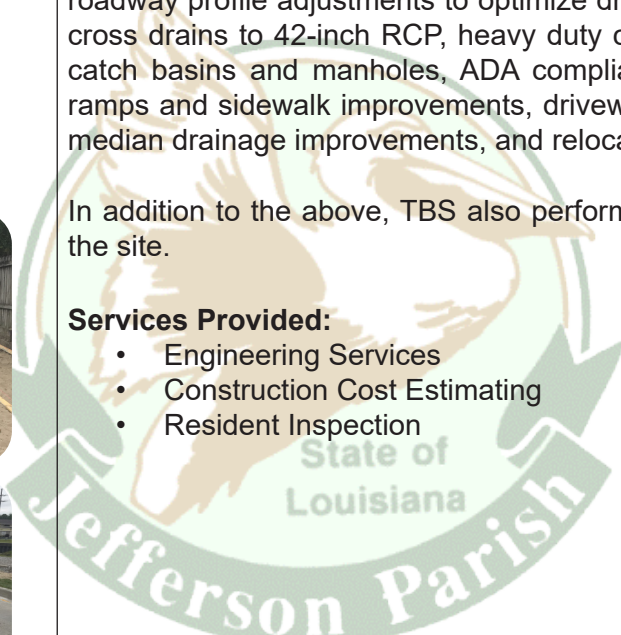
PROJECT NO. 3

Project Name, Location and Owner's contact information:	Description of Services Provided:	
<p>Jefferson Parish – Labarre Road Widening (Airline Dr. to Loumor St.) Jefferson Parish Project No. 2017-020-RBP Jefferson Parish, LA</p> <p><i>Jefferson Parish Government</i> Mark Drewes 1221 Elmwood Pk. Blvd. Suite 802 Jefferson, LA 70123 504.736.6500</p>	<p>Labarre Road is heavily congested due to two major traffic-generating businesses on each side of the roadway. Jefferson Parish personnel decided that adding dedicated turn lanes will alleviate the issue.</p> <p>TBS conducted a topographic survey of Labarre Road, from the northern apparent right of way of Airline Drive to the southern apparent right of way of the rail road tracks, surveying from the back of curb on the western side of Labarre Rd. and to the back of the sidewalk on the eastern side of Labarre Road.</p> <p>TBS performed conceptual design of the turn lane improvements for review by Jefferson Parish Engineering Department. Upon completion of design phases, TBS will assist the Parish in bidding the project and will perform construction administration and resident inspection services during construction.</p> <p>Services Provided:</p> <ul style="list-style-type: none"> Topographic Survey Construction Cost Estimating Conceptual Design of Roadway Reconstruction Utility Coordination 	
 <p style="text-align: center;"><i>Labarre Road Widening Project Site Photos</i></p>	 <p style="text-align: center;"><i>Labarre Road Topographic Survey Deliverable</i></p>	
Length of Services Provided:	Cost of Services Provided:	
	Entire Project:	Work for which Firm was Responsible:
2021 (estimated)	\$350,000 (estimated)	\$350,000 (estimated)

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>Eastbound West Esplanade Avenue Restoration (Tartan Drive to Haring Road) Jefferson Parish, LA</p> <p><i>Jefferson Parish Government Mark Drewes 1221 Elmwood Pk. Blvd. Suite 802 Jefferson, LA 70123 504.736.6500</i></p>	<p>The eastbound lanes of West Esplanade Avenue between Tartan Drive and Haring Road are currently in less-than-desirable condition due to general wear and tear, various patch repairs and the overall age of the roadway. Jefferson Parish contracted TBS to restore and rehabilitate the roadway to like-new condition.</p> <p>In addition to designing the general removal and replacement of 9-inch concrete along the half-mile roadway segment, the project includes roadway profile adjustments to optimize driver comfort, upgrade of three cross drains to 42-inch RCP, heavy duty curbing, adjustment of various catch basins and manholes, ADA compliant handicap accessible curb ramps and sidewalk improvements, driveway removal and replacement, median drainage improvements, and relocation of street lighting.</p> <p>In addition to the above, TBS also performed the topographic survey of the site.</p> <p>Services Provided:</p> <ul style="list-style-type: none"> Engineering Services Construction Cost Estimating Resident Inspection 	
 <p style="text-align: center; font-size: small;"><i>Eastbound W. Esplanade Ave. Restoration Site Images</i></p>	<div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 (actual)	\$1,800,000 (construction)	\$144,000 (engineering & surveying 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. 5								
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:							
<p>Town of Grand Isle Roadways Jefferson Parish, LA</p> <p><i>Town of Grand Isle David Camardelle P.O. Box 200 Grand Isle, LA 70358 985.787.3196</i></p> <div style="text-align: center;">   </div> <p><i>Town of Grand Isle Roadway Pavement Site Images</i></p>	<p>The Town of Grand Isle Roadway Project is a federally funded project to resurface all of the locally owned (TOGI owned) roads, both two and one lane roads, on the island after hurricanes Katrina and Rita. State and privately-owned roads were not included. This project is a mill and overlay of approximately 20 miles of roads. Surveying services were an extensive effort in this project as nearly every driveway, culvert and utility needed to be shot in as a part of the scope.</p> <p>TBS is responsible for topographic surveying within the roadway corridor, roadway design, environmental permitting, and construction administration.</p> <p>Services Provided:</p> <ul style="list-style-type: none"> Field Survey Engineering Design Bidding CDBG Application FEMA & LRA Coordination Inspection 							
<div style="text-align: center; background-color: #d3d3d3; padding: 5px;">Completion Date (Actual or estimated):</div>	<div style="text-align: center; background-color: #d3d3d3; padding: 5px;">Estimated Cost:</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; background-color: #d3d3d3; padding: 5px;">Entire Project:</td> <td style="width: 50%; text-align: center; background-color: #d3d3d3; padding: 5px;">Work for which Firm was Responsible:</td> </tr> <tr> <td style="text-align: center; padding: 5px;">2014 (actual)</td> <td style="text-align: center; padding: 5px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; padding: 5px;">\$5,282,278 (construction)</td> <td style="width: 50%; text-align: center; padding: 5px;">\$690,258 (engineering fees)</td> </tr> </table> </td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	2014 (actual)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; padding: 5px;">\$5,282,278 (construction)</td> <td style="width: 50%; text-align: center; padding: 5px;">\$690,258 (engineering fees)</td> </tr> </table>	\$5,282,278 (construction)	\$690,258 (engineering fees)
Entire Project:	Work for which Firm was Responsible:							
2014 (actual)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; padding: 5px;">\$5,282,278 (construction)</td> <td style="width: 50%; text-align: center; padding: 5px;">\$690,258 (engineering fees)</td> </tr> </table>	\$5,282,278 (construction)	\$690,258 (engineering fees)					
\$5,282,278 (construction)	\$690,258 (engineering 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.

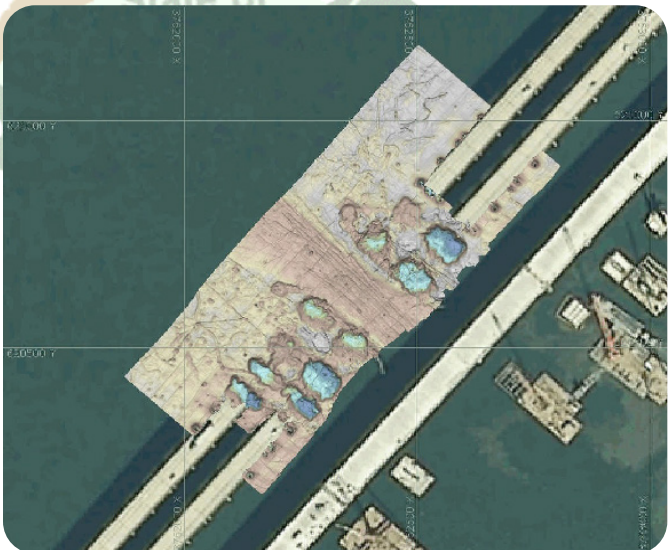
PROJECT NO. 6

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Retainer Contract for Professional Surveying Services Statewide LA</p> <p><i>Louisiana DOTD Joe Arretteig, P.L.S. P.O. Box 94245 Baton Rouge, LA 70804 225.379.1105</i></p> <div style="display: flex; flex-direction: column; align-items: center;">    </div> <p style="text-align: center;"><i>Surveyors On-Site</i></p>	<p>TBS was selected for a statewide surveying retainer contract in mid-2013 with the concentration of the work to be in Districts 02, 61 and 62. Under this contract, TBS performs topographic surveying, property surveys, right of way mapping, title research reports, title take offs, and title updates for LADOTD projects statewide. The limitation for fees is \$1 Million under this professional services contract, and projects are initiated via task order. TBS completes all deliverables using Microstation and Inroads as certified by CADconform. Some of the projects are listed below:</p> <ul style="list-style-type: none"> S.P. No. H.011289, LA 70 Bypass (Detour Route), Route LA 70, Assumption Parish – Phase I: Topographic survey of +/- 1 Mile detour route including utilities, drainage structures and drainage maps for the LA 70 Bypass route through virgin/swampy terrain. Topographic Survey 100% complete. Phase II: Property surveys, location of property markers for properties crossed along proposed route, creation of base right of way maps for the proposed route. S.P. No. H.009140.5, LA 1026 at LA 1030 Roundabout (Route LA 1026), Livingston Parish – title take offs, title research reports, title updates, property surveys and right of way maps for roundabout project in Denham Springs, LA. Final R/W maps were transmitted in early 2015. S.P. No. H.002424, Sunshine Bridge to I-10, LA 70 and LA 22, St. James and Ascension Parishes – property surveys, right of way maps for 5 mile roadway widening project S.P. No. H.002381.5, LA 43 Creek Bridge Near Albany (Route LA 43), Livingston Parish – title take offs, title research reports, title updates, property surveys and right of way maps for bridge replacement project. S.P. No. H.009481, Bayou Chevreuil Bridge (Route LA 20), St. James Parish – +/- 3000 feet topographic survey of the existing roadway, bridge and channel including utility locations and drainage structures for bridge replacement project. S.P. No. H.008149, Pier 1 Removal (Leeville Bridge), Route LA 1, Lafourche Parish – Establish control and perform hydrographic surveys using multi-beam and side scan sonar for pier removal of Leeville bridge. S.P. No. H.004783, Arkansas Road (Caldwell Road LA – 143), Route LA 616, Ouachita Parish – Topographic survey including use of Ground Penetrating Radar (GPR) to locate potential subsurface cultural/historic features for roadway project. S.P. No. H.001439, Bridges near Grand Isle, LA 1, Lafourche and Jefferson Parishes, LA (LADOTD) – Property surveys and right-of-way surveys for the removal of three bridge structures located along LA 1 in Jefferson and Lafourche Parishes near the town of Grand Isle. 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016 (actual)	N/A	\$1,000,000

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.

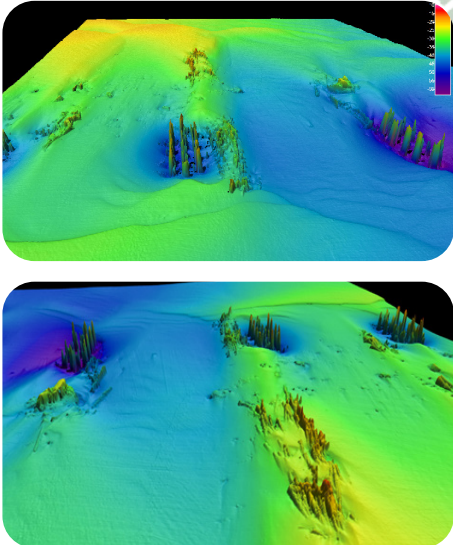

PROJECT NO. 7

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>I-10 Twin Span Demolition Survey Orleans Parish, LA</p> <p><i>NASDI, LLC Brian Clark 1301 East End Boulevard Trailer No. 2 Slidell, LA 70461 781.250.6600</i></p>	<p>The project involved hydrographic surveys including multi-beam, side scan sonar, and sub-bottom profiler, and structural calculations for the demolition of the I-10 Twin Spans over Lake Pontchartrain. TBS performed pre/post hydrographic surveys of the I-10 Twin Span for the purpose of identifying and locating spans underwater, which were dislodged from the bridge, debris and pipelines or other infrastructure on the bottom of the lake along the I-10 Twin Span across Lake Pontchartrain.</p> <p>TBS also performed pre/post hydrographic surveys of an artificial reef site in Lake Pontchartrain to include location and stake out of the site and pre/post construction bathymetric (multi-beam) surveys to as-built the reef. TBS performed bathymetric survey of 3,000 feet of existing channel on the north shore between the lake and the debris off-loading location.</p> <p>Services Provided:</p> <ul style="list-style-type: none"> Reef Survey Hydrographic Survey Engineering Services Design 	
		
	<p><i>I-10 Twin Span Demolition Aerial View</i></p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012 (actual)	N/A	\$100,000

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. 8

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>US 90: Rigolets Pass Pier and Fender Removal Orleans Parish, LA</p> <p><i>Louisiana DOTD Carl Hultgren, P.L.S., C.H. P.O. Box 94245 Baton Rouge, LA 70804 225.379.1723</i></p>	<p>The old US 90 bridge crossing Rigolets Pass, east of New Orleans, was replaced post Hurricane Katrina. Debris from the piers and fender systems still remain in the pass. TBS was tasked with collecting hydrographic data and verifying control monuments at the site to determine a final locations and elevations of the remaining structures. This would allow DOTD to determine which debris needed to be further removed to provide safe passage through the pass.</p> <p>Land based crews collected static observations on the monuments used in the original survey for comparison and use in the hydrographic surveys to follow. Once complete TBS performed a hydrographic survey utilizing side scan sonar images and a multibeam unit to capture point data on the structure and surrounding areas. Both were tied to the monumentation with RTK to collect the data. After processing with Hypack and Microstation, a colorized surface showing elevation data and cross sections of critical locations were developed for DOTD to show the remaining structures locations and profiles.</p> <p>TBS was also captured data on the existing bridge so that the existing structure could be located in reference to the debris needing removal.</p> <p>Services Provided:</p> <ul style="list-style-type: none"> • Hydrographic Survey 	
 <p style="text-align: center;"><i>Rigolets Pass Pier and Fender Removal Project Deliverables</i></p>		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016 (actual)	N/A	\$30,000

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. 9

Project Name, Location and
Owner's contact information:

Nature of Firm's Responsibility:

Colonial Club Ditch Pumping Station Survey

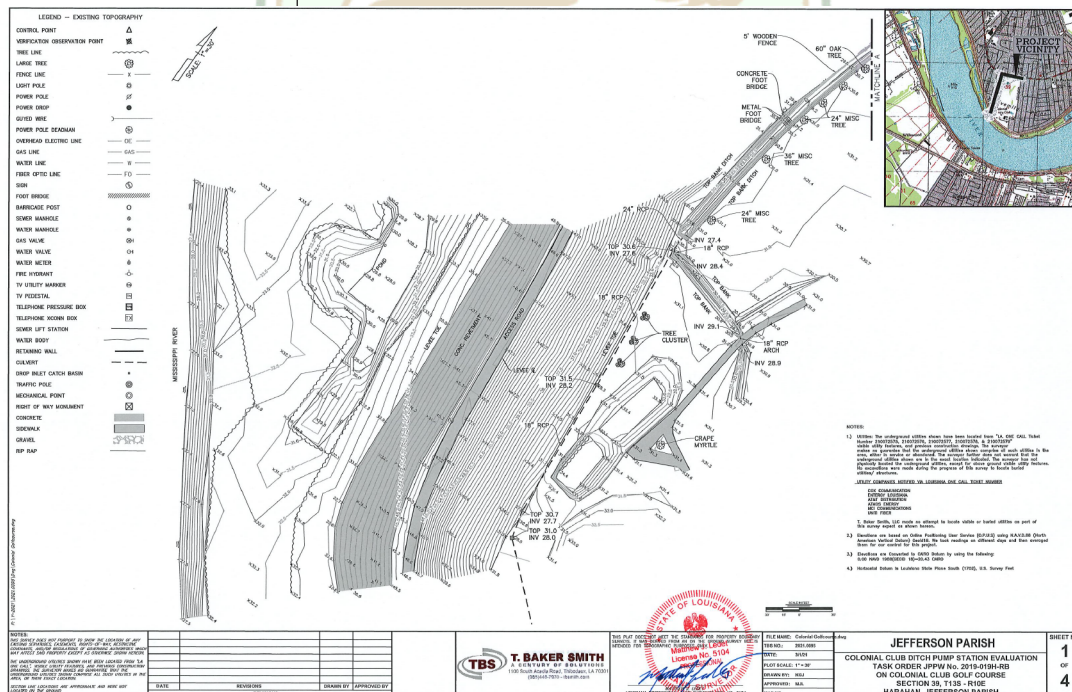
Jefferson Parish, LA

*Jefferson Parish Government
John O'Connor, PE
1221 Elmwood Park Blvd.
Suite 906
Jefferson, LA 70123
504.736.6833*

TBS performed a topographic survey of the Colonial Club Ditch in Jefferson Parish, LA. The ditch drains a large residential area including a golf course. TBS collected data on the ditch itself, as well as other elements draining immediately into it, improvements within the area of the ditch, and utility information for those which might be affected by digging or widening of the ditch. The data was then processed and converted to CAIRO datum, due to the elevation of New Orleans, and brought into CAD for deliverable preparation. Plan views were created showing linework of improvements that were collected, elevation values, utility information, and contour lines of the surveyed area. They were delivered to the Parish and TBS' in-house engineers so that they could then evaluate the need and effectiveness of a pump station based on the existing drainage conditions.

Services Provided:

- Topographic Survey



Colonial Club Topographic Deliverable

Completion Date
(Actual or estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

2021 (actual)


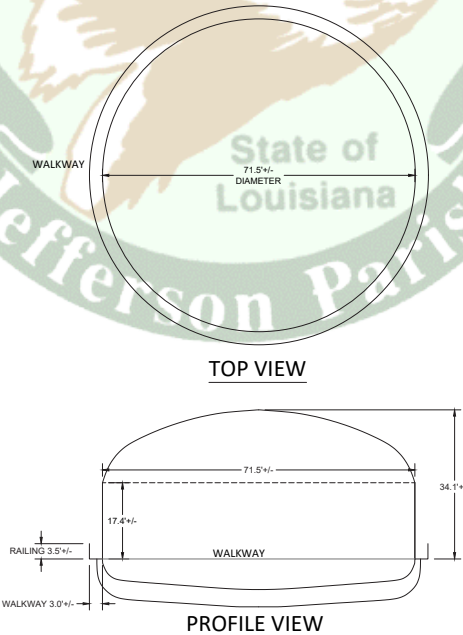
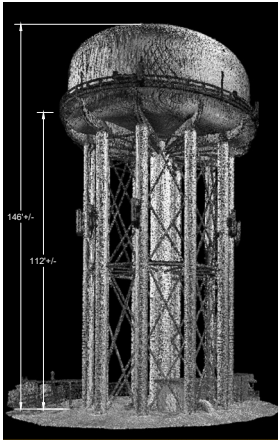
N/A

\$18,000

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. 11

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>	<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 	
 <p>GROUND VIEW</p>	 <p>TOP VIEW</p> <p>PROFILE VIEW</p> <p><i>Water tower plan view</i></p>	
	 <p>DATA VIEW</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021 (actual)	N/A	\$2,500

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.

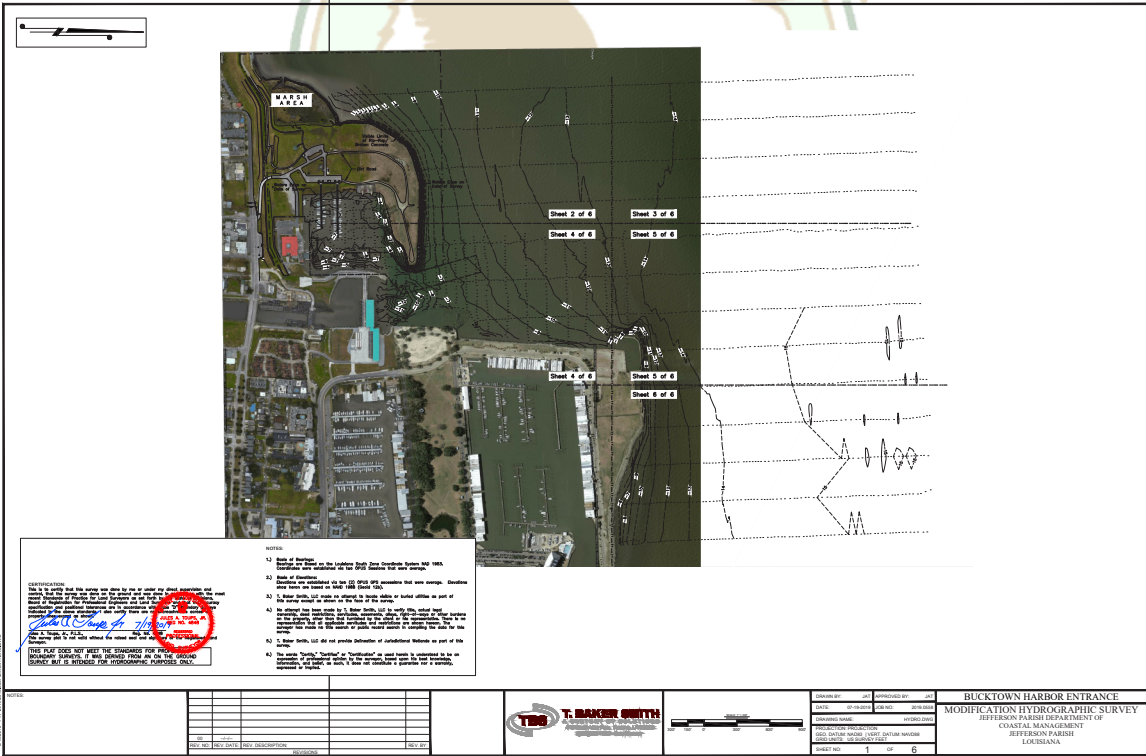
PROJECT NO. 12

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Eastbound West Esplanade (Transcontinental to Causeway) Survey Jefferson Parish, LA</p> <p><i>Jefferson Parish Government</i> <i>Mark Drewes</i> <i>1221 Elmwood Park Blvd.</i> <i>Suite 906</i> <i>Jefferson, LA 70123</i> <i>504.736.6833</i></p>	<p>The eastbound lanes of West Esplanade Avenue from Transcontinental Drive to Hudson Street, and Cleary Avenue to Severn Avenue are in need of rehabilitation due to general wear and tear resulting in heavy use. The existing road surface is covered in patches due to spot repairs over time, creating an uneven driving surface. Jefferson Parish contracted TBS to restore and rehabilitate the roadway to a like-new condition.</p> <p>TBS began by performing a detailed survey of the road surface along the desired stretches to provide designers with an existing profile of the road. Along with the existing road surface, utility information, drainage structures, sidewalks, and any other miscellaneous improvements were also collected so the designers would have a complete picture of the roadway corridor. These elements were then processed and displayed in plan and profile sheets that could be used as the basis of the construction plans by the designer.</p> <p>Upon completion of the survey TBS began working on construction plans to replace the worn roadway. These included a complete replacement of the 9 inch concrete panels and base material, along with associated curb and gutters in some sections. In others TBS was able to reduce cost and replace panels only where necessary. The design ensured proper tie ins with existing drives, uturns, and cross streets along the routes, as well as incorporating ADA compliant sidewalk access where necessary.</p> <p>Services Provided:</p> <ul style="list-style-type: none"> Topographic Survey Engineering Services Construction Plans 	
		
	<p><i>Eastbound West Esplanade (Transcontinental to Causeway) Aerial View</i></p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 (actual)	N/A	\$63,675

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. 13

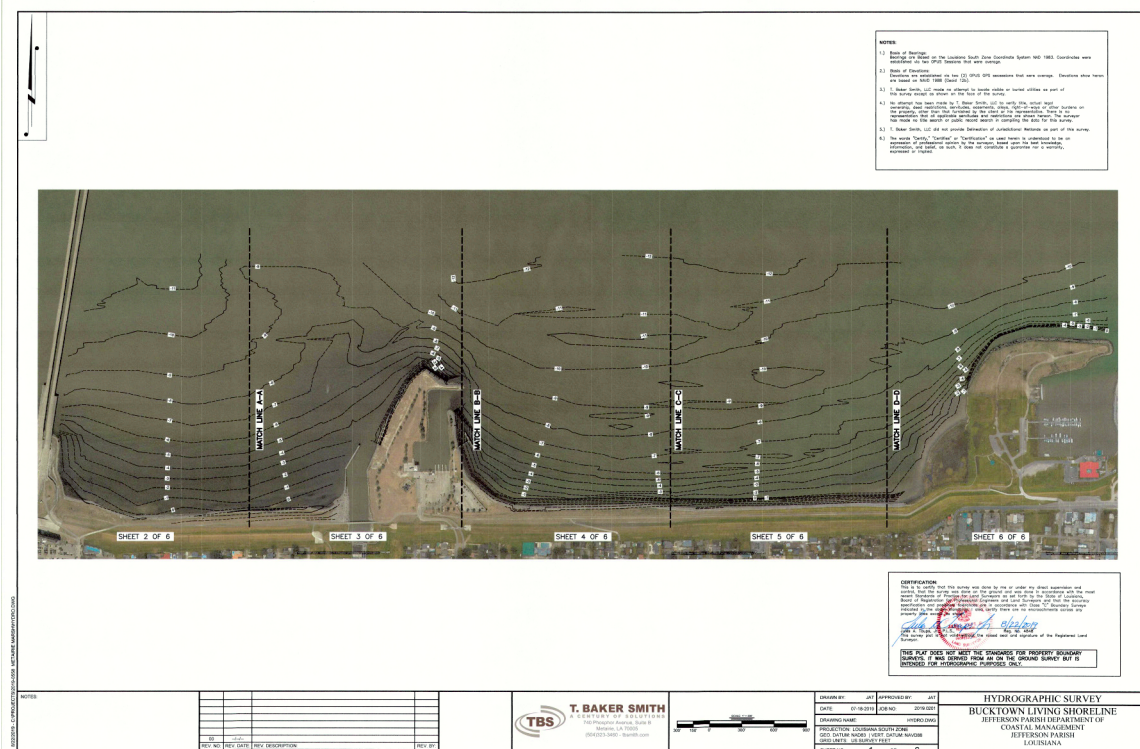
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Bucktown Harbor Entrance Hydrographic Survey Jefferson Parish, LA</p> <p><i>Jefferson Parish Government Lauren Averill 1221 Elmwood Park Blvd. Suite 906 Jefferson, LA 70123 504.736.6653</i></p>	<p>TBS conducted a hydrographic survey of the Bucktown Harbor area.</p> <p>TBS utilized a two-man survey crew to conduct the hydrographic survey. TBS reviewed aerial photography and client provided maps to establish survey transect lines for the hydrographic survey. Digital lines files were created in Hypack and placed on the NAD83(2011) datum. The survey crew used a RTK GPS, a multibeam echosounder, side-scan sonar, and magnetometer to collect hydrographic data into the Hypack interface. The survey crew also recorded water survey elevations during the survey for tide corrections during data processing.</p> <p>Services Provided:</p> <ul style="list-style-type: none"> • Hydrographic Survey 	
		
<p><i>Bucktown Harbor Survey Deliverable</i></p>		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 (actual)	N/A	\$15,500

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. 14

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
<p>Metairie Marsh Hydrographic Survey Jefferson Parish, LA</p> <p><i>Jefferson Parish Government Lauren Averill 1221 Elmwood Park Blvd. Suite 906 Jefferson, LA 70123 504.736.6653</i></p>	<p>TBS conducted a hydrographic survey of the Lake Pontchartrain's shoreline and surrounding areas.</p> <p>TBS utilized a three-man survey crew to conduct the hydrographic survey. TBS reviewed aerial photography and client provided maps to establish survey transect lines for the hydrographic survey. Digital lines files were created in HYPACK and placed on the NAD83(2011) datum. The Survey crew used a RTK GPS and a Dual Frequency echosounder to collect hydrographic data into the HYPACK interface. The Survey crew then recorded water survey elevations during the survey for tide corrections during data processing.</p> <p>Services Provided:</p> <ul style="list-style-type: none"> Hydrographic Survey



Metairie Marsh Survey Deliverable

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 (actual)	N/A	\$9,500

TEC Professional Services Questionnaire

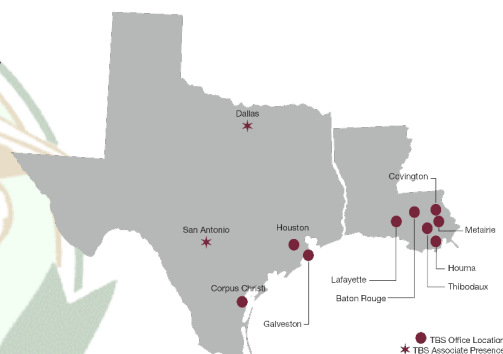
M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
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 surveying, engineering, environmental, and construction management services in Louisiana for the past 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. 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. Additionally, TBS owns and maintains one of the largest fleets of work boats and all-terrain vehicles to get to the most remote work site locations.



Three generations of leadership and over 100 years later, the quest of providing superior, integrated, professional solutions is deeply engrained in the TBS culture.

PROFESSIONAL TRAINING AND EXPERIENCE

Our professionals hold degrees in civil engineering, mechanical engineering, structural engineering, mechanical engineering technology, geomatics, industrial technology, drafting and design technology, etc. All of our professionals have proper state registrations. These qualifications are exemplified in the resumes provided in Section K.

CAPACITY FOR TIMELY COMPLETION OF PROJECTS

TBS is committed to continuously improving project completion time and schedules. With approximately 230 associates and nine office locations firm-wide, we have sufficient staff and resources to handle the task associated with this RFQ. Our associates range from disciple 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.

LOCATION OF THE PRINCIPAL OFFICE

TBS will manage projects resulting from this request from our Metairie, LA office located at 740 Phosphor Avenue, Suite B, Metairie, LA 70001. Additional support can be provided from our other office locations in Thibodaux, Houma, and Prairieville as needed.

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.

MINIMUM REQUIREMENTS

Requirement	TBS Associate
1. One principal who is a professional land surveyor, who shall be registered as such in Louisiana.	Kenneth Wm. Smith, PE, PLS, FACEC <i>Chief Executive Officer</i> LA PLS.4772 exp.: 9/30/2022
2. A professional in charge of the project who is a professional land surveyor, who shall be registered as such in Louisiana, with a minimum of five (5) years of experience in the disciplines involved.	David Martinez, PLS <i>Discipline Leader, Survey</i> LA PLS.4614 exp.: 9/30/2021
3. One employee who is a professional land surveyor, who shall be 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.)	Rene Hebert, PLS <i>Lead Professional, Survey</i> LA PLS.5070 exp.: 2/28/2022

ADVERSARIAL 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.

PRIOR SUCCESSFUL COMPLETION OF PROJECTS

TBS' team of professionals has many years of experience working on surveying projects in Louisiana. Projects highlighted in Section L exemplify our history of similar project experience and include:

Eastbound West Esplanade Avenue Restoration (Tartan Drive to Haring Road) – TBS performed approximately 2,650 linear feet of topographic survey. In addition to designing the general removal and replacement of 9-inch concrete along the half-mile roadway segment, the project includes roadway profile adjustments to optimize driver comfort, upgrade of three cross drains to 42-inch RCP, heavy duty curbing, adjustment of various catch basins and manholes, ADA compliant handicap accessible curb ramps and sidewalk improvements, driveway removal and replacement, median drainage improvements, and relocation of street lighting.

Contract No. 4400003473 – Retainer Contract for Professional Surveying Services – Statewide – TBS has completed multiple Task Orders involving Topographic, Right of Way and Hydrographic surveying including S.P. No. H.009481: Bayou Chevriel Bridge - LA Hwy 20 (Topo), S.P. No. H.008149: Pier 1 Removal (Leeville Bridge) – LA Hwy 1 (Hydrographic), S.P. No. H.011289: LA 70 Bypass (Detour Route) – LA Hwy 70 (Topo), S.P. No. H.001439, Bridges near Grand Isle, LA 1 (property and ROW); S.P. H.002381: LA 43 Creek Bridge near Albany (ROW).

FIRM SIZE

TBS currently has approximately 230 associates firm wide, our diverse project teams include civil, structural, mechanical, coastal, and environmental engineers; professional land surveyors; offshore surveyors; planners; environmental scientists; biologists; construction administrators; project representatives; and technical support personnel.

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.

PAST PERFORMANCE ON PARISH CONTRACTS

TBS has chosen the best in each practice area to serve Jefferson Parish on survey projects arising from this RFQ. Our project managers have worked together on numerous public works projects, including those in Jefferson Parish. TBS has the right blend of survey, engineering, planning, and environmental professionals to support Jefferson Parish in successful execution of tasks. TBS employs additional surveyors, civil engineers, environmental scientists, and technical support staff to fully support the key staff in executing the work arising from this RFQ. A list of past projects performed for Jefferson Parish include:

- Bucktown Boardwalk Survey Services
- Bucktown Harbor Survey
- Eastbound W Esplanade Ave. Restoration (Tartan to Haring) Survey
- Labarre Road Widening
- Metairie Marsh Hydrographic Survey
- Lake Villa Pond and Lake Pontchartrain at Severn Ave. Conceptual Planning
- Bucktown Harbor 6(f) Boundary Survey
- West Esplanade (Transcontinental to Causeway) Survey
- Causeway Water Tower UAS Survey
- Colonial Club Ditch Pumping Station Survey
- Bucktown Harbor Entrance Hydrographic Survey

CONCLUSION

The foundation of our surveying and mapping practice is built around an appreciation of boundaries and the preservation of property rights. Since 1913, TBS has been surveying the land and waterways in and around our communities, bringing innovation, efficiency, and accuracy to every project.

With over a century of archived data, boundary records, and historical maps of the Gulf Coast region, TBS is able to raise the bar by utilizing the latest and most efficient methods for collecting and staking data points for property and topographic surveys. These methods range from conventional instrumentation to fully automated land- and aerial-based systems.

TBS has the resources and experience necessary to perform surveying services specific to this RFQ for Jefferson Parish. At TBS, our organization believes and is dedicated to the safety and well being of our community and the communities around us. We are dedicated to making the area we live in a better place and take great passion in doing what we can to help the citizens of south Louisiana.

Since 1913, TBS has provided public works solutions that improved the quality of life in the communities we helped build. With our 100 years of experience and passion for seeing our communities thrive, we ask for your trust in TBS to provide Jefferson Parish with integrated solutions for this projects.



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

Signature: David L. Martinez

Print Name: David Martinez, PLS

Title: Survey Discipline Leader

Date: 04/30/2021