



**T. BAKER SMITH**  
**A CENTURY OF SOLUTIONS**

**SOQ 22-054**

Miscellaneous Environmental Services for the  
Jefferson Parish Department of Environmental Affairs  
Jefferson Parish Government

January 6, 2023

## TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

### MISCELLANEOUS ENVIRONMENTAL SERVICES FOR THE JEFFERSON PARISH DEPARTMENT OF ENVIRONMENTAL AFFAIRS

Resolution 140859

B. Firm Name & Address:

**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, FACHE**  
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**  
Lead Professional, Engineering  
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>27</u> Civil Engineers	<u>        </u> Interior Designers	<u>20</u> Project Managers
<u>4</u> Construction Inspectors	<u>1</u> Landscape Architects	<u>        </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>4</u> Engineer Intern	<u>2</u> Environmental Engineers	<u>120</u> Other
<u>14</u> Professional Land Surveyors		<u>292</u> <b>TOTAL</b>

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 E. Moldaner, PE, MBA**

*Lead Professional, Engineering*

Project Assignment:

Client Champion

Name of Firm with which associated:



Years' experience with this Firm:

11 years with this firm

Education: Degree(s)/Year/Specialization:

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

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 in 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. Brian has also directed/personally developed Erosion Control Plans and Stormwater Pollution Prevention Plans (SWPPPs) for numerous construction projects under the LADEQ LAR200000 and LAR100000 general permits. As a professional engineer, he designs complete plan sets for civil projects, including site developments, roadways, drainage systems, bridges, pipelines, and utilities. Brian performs drainage analyses using various hydraulics programs to determine pre- and post-development flow and to size ditches, culverts, and retention areas. From a young age, through his undergraduate education, 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**

**Greenbrier Hospital Expansion, ALPA Construction, Inc., Covington, LA** – Project Manager. Managed and coordinated all environmental tasks for the approximately 12-acre site, including: Tree Species Survey, Wetland Delineation, LDWF Scenic Rivers Permit, Phase I ESA.

**Longleaf Hospital Expansion, ALPA Construction, Inc., Alexandria, LA** – Project Manager. Managed and coordinated all environmental tasks for the approximately 8-acre site, including: Asbestos Inspection and Phase I ESA.

**Meraux Industrial Park, Palmisano, Chalmette, LA** – Project Manager. Managed and coordinated all environmental tasks for the approximately 50-acre site, including: Phase I ESA, Wetland Delineation, and Environmental Monitoring during excavation activities.

**West Esplanade Reconstruction: Tartan Drive to Haring Road, Jefferson Parish, Metairie, LA** – Project Manager; Engineer of Record. Responsible for the design of approximately 2,600 LF of two-lane concrete roadway reconstruction. Designed roadway alignment to maximize roadway comfort, cross-drain upgrades, sidewalk reconstruction, sidewalk drainage improvements and resurfacing of connected asphalt turn lanes. Coordinated additional design by Jefferson Parish Engineering Department including waterline relocations and light pole relocations. Coordinated and oversaw topographic survey services also provided by TBS, as well as geotechnical engineering and construction project representative services provided by subconsultants.

## TEC Professional Services Questionnaire

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

Name & Title:

**Boyd Boswell**

*Discipline Leader – Environmental*

Project Assignment:

Discipline Leader/Lead Professional

Name of Firm with which associated:



Years' experience with this Firm:

15 years with this firm; 22 years total

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1997/Environmental and Sustainable Resources

Master of Science/2000/Environmental Planning and Management

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Boyd Boswell has extensive knowledge and experience in program development, regulatory permitting, public relations, and client management. He routinely submits permit applications to state and federal regulatory agencies. His responsibilities include the preparation of Alternatives Analyses, Purpose and Needs Analysis, and/or Mitigation Plans as required by the agencies. He also has experience in risk evaluation/corrective action programs (RECAP) Assessments, Storm Water Pollution Prevention Plans, Spill Prevention Control and Countermeasure Plans, Wetland Delineations, Biological Assessments, Hazard and Impact Assessments, and other Regulatory Programs. He has first-hand knowledge and experience in the requirements and challenges local governments face with environmental programs and operations. He has led the preparation, submittal, and approval of the first Municipal Separate Storm Sewer System (MS4) permit application for EPA Region 6.

#### Project Experience

**T. Baker Smith, LLC – Environmental Discipline Leader** – Responsible for the leadership of the T. Baker Smith Environmental Discipline. Responsible for the overall growth and development of the discipline as well as the to ensure QA/QC for all processes and deliverables for clients and TBS. Remain abreast of new technology, procedures, and regulations affecting market and client operations. Led project team in preparation of SWPPPs for industrial, commercial, and government new construction activities. Led project teams in preparation and approval of SPCC Plans, FRPs, USCG Operations and Security Plans, DOT ICPs, and other agency and client manuals and plans. Conducted NORM surveys, Phase I and II ESAs, wetland delineations and threatened and endangered species surveys, Tier II compliance and materials management, and other regulatory plans. Program manager for large scale industrial development, which included the management of wetland delineations and T&E surveys, drilling permits, SWPPPS, flood zone permitting, no rise certificates, FAA permitting, topographic and boundary surveys, DOTD permitting, and civil engineering.

**The Shaw Group, Senior Project Manager** – Served as the Solid Waste Lead with oversight of a small technical staff assigned to the Louisiana District. Responsible for the project management of solid and hazardous waste permit applications, as well as solid and hazardous waste consulting to clients and other internal companies. Oversaw all aspects of permit applications from engineering, design, and geological work to the preparation of emergency and operations manuals, landfill, and surface impoundment closure and post-closure monitoring plans and financial assurance documents prescribing the mechanism by which each facility will provide proper financial responsibility. Participated in the development of compliance documents and permit applications for a proposed ethanol facility. Supervised large remedial investigation and response to a petroleum and wastewater discharge into both the surrounding land and waterways. Performed Phase I Due Diligence Environmental Site Assessments, Groundwater Certifications associated with both Title V and Minor Source Air Permit Applications, compliance audits of industrial facilities. Developed Construction Storm Water Pollution Prevention Plans, SPCC plans, and RCRA Contingency Plans Performed jurisdictional wetland delineations as part of the U.S. Army Corps of Engineers permitting process.

**Lafayette Parish Public Works Projects, Lafayette Parish, LA** – Environmental Quality Manager. Responsible for all activities of the Environmental Quality Division, including enforcement of local solid waste, environmental, and vegetation ordinances; organization and promotion of local recycling program; management of composting facility; ensured regulatory compliance with all applicable Louisiana Department of Environmental Quality and the U.S. Environmental Protection Agency regulations; administered local solid waste and yard waste curbside collection and disposal contract. Ensured compliance for the local government with all applicable regulations for new public works capital improvement projects and for maintenance projects.

## TEC Professional Services Questionnaire

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

Name & Title:

**Kodi Babin**

*Lead Professional, Environmental*

Project Assignment:

Senior Project Manager

Name of Firm with which associated:



Years' experience with this Firm:

21 years with this firm; 23 years total

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1999/Biology

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Kodi Babin has expertise in the following: wetland delineations and mitigation, Section 404/10 permitting, Coastal Use Permitting from the Louisiana Department of Natural Resources (LDNR), obtaining Water Quality Certifications, coordinating the efforts of subcontractors, endangered species surveys, wading bird rookery surveys, and general environmental permitting for private, local, and state bridge and roadway projects. Mr. Babin routinely provides clients with permitting agency assistance, including the U.S. Army Corps of Engineers (USACE), U.S. Environmental Protection Agency, U.S. Department of Interior, Fish and Wildlife Service, U.S. Coast Guard (USCG), Louisiana Department of Natural Resources, Louisiana Department of Environmental Quality (LDEQ), Louisiana Department of Wildlife and Fisheries, and other state and local agencies.

#### **Project Experience**

**07-EXT-22, Bayou Gardens Blvd. Extension: LA 660 to LA 316, Terrebonne Parish Consolidated Government, Terrebonne Parish, LA** – Environmental Project Manager. Responsible for permitting and wetland delineations for 1.6 mile, 4-lane roadway extension (UA-2) project.

**Beaver Canal Dredging, St. James Parish Council** – Conducted wetland delineation according to USACE standards to identify and delineate wetlands along the proposed dredging route. He is currently working on the regulatory permitting.

**1-1B Phase 1B, St. Louis Bayou Cleanout, Terrebonne Parish Consolidated Government. Terrebonne Parish, LA** – Mr. Babin provided compliance monitoring and permitting services for 20+ miles of the forced drainage system since he has joined T. Baker Smith. The permits include USACE and U.S. Coast Guard.

**Forced Drainage Project 1-1A, Terrebonne Parish Consolidated Government, Terrebonne Parish, LA** – Mr. Babin was responsible for coordination of all permits required for the project, which included permitting for the water control structure. Additionally, he performed wetland delineations and coordinated with local, state, and federal agencies.

**Bayou Chene Flood Control Structure, St. Mary Levee District, St. Mary Parish, LA** – Mr. Babin managed all permitting efforts, wetland delineations, and agency correspondence for the installation of a 250-foot water control structure in Bayou Chene and 13-mile levee system.

**Mitigation and Restoration Planning, Terrebonne Levee and Conservation District, Terrebonne Parish, LA** – Mr. Babin is currently managing all of the environmental services associated with mitigation permitting and restoration planning for the following levee segments: Reach F-1, Reach J-2, Reach H-2, Reach H-3, Reach 4-3C, Reach J-3, Reach G-1, Reach E, Reach L, Reach K, Ward 6, Reach G-2, and Reach H-1.



## TEC Professional Services Questionnaire

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

Name & Title:

**Brady Trahan, PWS**

*Lead Professional - Environmental*

Project Assignment:

Lead Professional

Name of Firm with which associated:



Years' experience with this Firm:

18 years with this firm; 23 years total

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1998/Biological Sciences

Active registration: Year first registered/discipline:

2722/Louisiana Professional Wetland Scientist

Other experience and qualifications relevant to the proposed Project:

Brady Trahan is involved in regulatory and ecological compliance for pipeline and utility corridor transmission activities, oil and gas exploration and production activities, land resource and wetland mitigation management, coastal restoration, and commercial and large-scale residential developments. Brady is a Professional Wetland Scientist with experience in wetland delineations and mitigation, Section 10/404 permitting, Coastal Zone Management permitting, oyster assessments, and environmental site assessments. He also has experience in coordinating the efforts of subcontractors, endangered species surveys, wildlife management plans, large-scale wetland and vegetation mapping projects, wading bird rookery surveys and general environmental permitting for government and utility projects in both urban and rural environments. Brady has been involved in LNG projects along the Louisiana and Texas coast. He provides clients with permitting assistance with the U.S. Department of the Army Corps of Engineers (USACE), U.S. Environmental Protection Agency, Federal Energy Regulatory Commission, U.S. Department of Interior Fish and Wildlife Service, Louisiana Department of Natural Resources, Louisiana Department of Wildlife and Fisheries, and other state and local agencies.

#### **Project Experience**

**Resource Management Plan/Draft Environmental Impact Statement for the Southeastern States** – Project Manager. Managed the biological portions of the RMP/DEIS. Provided biological expertise and assistance in collecting baseline data, identifying potential habitats, compiling species descriptions and analyzing potential impacts for BLM public land and mineral interests in the states of Arkansas, Florida, Kentucky, Louisiana, Tennessee, and Virginia. Provided a species write-up for each special status species within the six states. Prepared threatened and endangered species reports. Assisted in the writing of the Southeastern States Draft Resource Management Plan and Environmental Impact Statement for the Bureau of Land Management.

**CCUS Well, Facility, Pipeline, and Ancillary Infrastructure** – Mr. Trahan was the overall project manager for TBS throughout the project's life cycle. TBS provided engineering, environmental consulting and permitting, and survey professional services required for a Carbon Sequestration System. TBS participate in route development of the pipeline based on information available and route constructability assessments. A preliminary HDD design was provided for crossing a large waterway, and facility layouts and pig launcher/receiver layout drawings were developed to identify major components within the proposed compressor facility and industrial facility. Resource tables were generated to summarize the proposed construction requirements of the system and to outline specifics related to permanent ROW, temporary workspaces, additional temporary workspace, access routes, construction methods, road/railroad crossings, wetland impacts, and other project features. TBS surveyors collected data available from public forums and previous surveys to compile a project base map with primary and alternative routes. Field data collected during the survey included natural grade elevation points every 50'-100' along the centerline of routes, hydrographic soundings within existing waterbodies, designation of pipelines and other foreign crossings as well as mapping of powerlines, roads, fences, and other infrastructure. The project team prepared alignment sheets for the project for construction. TBS conducted a wetland delineation, provided permitting services, prepared a threatened and endangered species report for the project, and coordinated with the USACE, LDNR, resource agencies, local authorities, and the EPA during the permitting process for the Class VI well. TBS environmental associates acted as the client liaison and overall project manager given the sensitivity of the project.

## TEC Professional Services Questionnaire

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

Name & Title:

**Cy Toups, PE**

*Lead Professional, Environmental*

Project Assignment:

Senior Project Manager/Technical Expert

Name of Firm with which associated:



Years' experience with this Firm:

16 years with this firm; 20 years total

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2002/Environmental Engineering

Active registration: Year first registered/discipline:

LA PE.0033966/2008/Environmental

Other experience and qualifications relevant to the proposed Project:

Cy Toups is an environmental engineer whose focus is in regulatory compliance. Most of his project experience has involved assisting clients by evaluating property for recognized environmental conditions in order to facilitate the sale or lease of the property. Cy has also gained knowledge in generating plans for oilfield facilities and construction sites that conform to state and federal regulations set forth by regulatory agencies, such as the United States Coast Guard (USCG), the Louisiana Department of Environmental Quality (LDEQ), the Environmental Protection Agency (EPA), and the Louisiana Department of Transportation and Development (DOTD). Mr. Toups has prepared numerous written plans, such as Integrated Contingency Plans (ICP), Spill Prevention Control and Countermeasure Plans (SPCC), and Oil Transfer Manuals (OTM) for a variety of facilities. He has also prepared Storm Water Pollution Prevention Plans as required by LDEQ to provide best management practices for pollutants associated with stormwater run-off occurring during construction activity.

#### **Project Experience**

**Phase I and II ESA, Pipeline Construction & Maintenance, Houma, LA** – Environmental Professional/Project Manager. TBS provided a Phase I and II ESA on property located at 1950 South Van Avenue., Houma, Terrebonne Parish, LA according to ASTM E1527-13 standards.

**Remote Sensing Inves Lewis Subdivision, Dixie Rice Agricultural Company, Inc.** – Environmental Professional/ Project Manger. TBS prepared a Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation Corrective Action Program (RECAP) Corrective Action Plan on a tract containing known contamination located in Houma, LA.

**Storm Water Management Plan, 2018-2022 Small MS4 Annual Report, and Completion of Notice of Intent, City of Thibodaux** – Environmental Professional/Overall Project Manager. Performed SWMP and MS4 report for the City of Thibodaux. TBS provided assistance with Storm Water Management Plan, 2018 Small MS4 Annual Report, and Completion of Notice of Intent for City of Thibodaux (AI#108472).

**S.P. H.011670, I-10/Loyola Interchange Improvement, LADOTD, Jefferson Parish, LA** – Environmental Professional. Performed environmental data research and environmental screening for the IMR Tier I and Tier II alternate analysis. Served as Environmental lead and prepared the Environmental Assessment (EA), NEPA document, developed and edited document from stakeholder and FHWA comments, performed alternative screening and analysis; obtained FONSI.

**H.010116, LA 1088 Corridor Environmental Assessment (LA 59 to I-12), LADOTD, St. Tammany Parish, LA** – Environmental Professional. Responsible for conducting Phase I ESA field inventory, landowner coordination/survey and research activities, Phase I ESA document deliverable and coordination of NEPA process for Environmental Assessment.



## TEC Professional Services Questionnaire

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

Name & Title:

**Michael Trahan**

*Project Manager, Environmental*

Project Assignment:

Senior Project Manager

Name of Firm with which associated:



Years' experience with this Firm:

11 years with this firm

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2012/ Biological Sciences

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Michael Trahan assists senior professionals and project managers in the development and coordination of projects. He collects environmental data, including environmental assessments, threatened and endangered species surveys, environmental research, and environmental monitoring studies. Additionally, Michael prepares reports and completes field work necessary to complete documentation for projects, including wetland delineations, noise and air modeling, wildlife identification, endangered species/habitat biological assessments and surveys, plant identification/tree surveys, and land use studies. He has submitted and coordinated around 80 permits (CUPs, section 404, nationwide, and section 10) in 2014 and is currently working on close to 40 permits. These projects have included coordination with various levee boards, such as St. Mary Levee District, Atchafalaya Basin Levee District, Plaquemines Parish Levee Districts, Lafourche Basin Levee District, Terrebonne Levee and Conservation District, South Lafourche Levee District, and Pontchartrain Basin Levee District. Many of these projects also included coordination with Louisiana Department of Wildlife and Fisheries.

#### **Project Experience**

**Permitting and surveying for the Emergency Use Request to Rebuild Mississippi River Tower Crossing, Entergy, Jefferson Parish, LA** - Senior Project Manager. TBS submitted emergency permit request and coordinated with Louisiana Department of Natural Resources, U.S. Army Corps of Engineers, and local parish authorities to acquire emergency permits/authorizations for the required work, as necessary. The work was performed expeditiously, and communication was critical throughout permitting and project execution.

**9-Mile Barataria Substation #2, Entergy** – Project Manager. TBS is providing Shell with: project management, project KMZ file, hazard survey, pre-construction inventory and pre-construction photo documentation, stakeout of proposed poles and bisects for construction, level B on specified poles and inset drawings, hydro-probing specified proposed poles, right-of-way parcel maps, monitoring field crew for construction, and final report preparation on the 9-mile substation transmission line to Barataria Substation.

**Permit Submarine Cable Crossing Mississippi River, Entergy, Plaquemines Parish, LA** – Project Manager. TBS provided Regulatory Permits for Entergy to repair electrical submarine cable crossing the Mississippi River, Plaquemines Parish, LA. Permitting for Anomaly Repair on 12" Pipeline in Garden City, St. Mary Parish (Plains All American Pipeline) – Performed permitting services to include Coastal Use Permit, Corps Permits (section 10/404), St. Mary Levee District, LDEQ (WQC) for a directional drill of a 12" pipeline beneath the Intracoastal Waterway.

**Permitting for Anomaly Repair on 12" Pipeline in Garden City, Plains All American Pipeline, St. Mary Parish** – Performed permitting services to include Coastal Use Permit, Corps Permits (section 10/404), St. Mary Levee District, LDEQ (WQC) for a directional drill of a 12" pipeline beneath the Intracoastal Waterway.

## TEC Professional Services Questionnaire

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

Name & Title:

**Adam Trahan**

Environmental Professional/OLDEB Certified Oyster Biologist

Project Assignment:

Ecologist

Name of Firm with which associated:



Years' experience with this Firm:

1 year with this firm; 15 years total

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2008/Biology, Marine Biology

Active registration: Year first registered/discipline:

OLDEB Certified Oyster Biologist

Other experience and qualifications relevant to the proposed Project:

Adam Trahan is an environmental professional and holds a bachelor's degree in biology with a concentration in marine biology. He supports senior professionals and project managers in the development and coordination of projects. He assists with the preparation of environmental permits and conducts environmental research. He assists with environmental monitoring studies, environmental assessments, threatened and endangered species surveys. Additionally, he prepares reports and completes field work as necessary to complete documentation for projects, including SWPPP Plans/Inspections, soil sampling, wetland delineations, coordination of noise and air studies, wildlife identification, endangered species/habitat biological assessments and eagle surveys.

#### **Project Experience**

**Biological Oyster Assessment for Bayou Dularge Marsh Restoration Project, CPRA** – Environmental Professional / Oyster Biologist. Conducted a biological oyster assessment on seedground/private leases, utilizing OLACP protocols, to identify oyster resources on public seedground/private leases proposed to be impacted by planned construction activities for coastal restoration.

**Little Bayou Pierre and Lake Fortuna Oyster Cultch Project, St. Bernard Parish Government** – Project Manager/Scientist. Served as the project manager and scientist for permitting and oyster monitoring services for two oyster cultch projects in St. Bernard Parish. Served as the oyster scientist and provided monitoring services with the St. Bernard Parish Government to monitor the projects contractors and that all protocols and permit requirements were followed.

**CPRA System Wide Assessment Monitoring Program (SWAMP), Jacobs Engineering Group, Inc.** – Project Manager/Scientist IV. Served as the project manager and scientist for CPRA's System Wide Assessment Monitoring Program. CPRA utilized SWAMP to develop sampling protocols to assess how environmental drivers influence systematic change that affects coastal restoration efforts. Provided supervision and was involved in all field sample collection and handling, scheduled all sample collection activities, prepared the sampling equipment, and arranged for sample drop-off at the designated laboratory for sample analysis. Supervised entering all field data into the appropriate database, as well as performing QA/QC on the data.

**Texas Gas Transmission, LLC Pipeline Abandonment Biological Oyster Survey, Providence Engineering and Environmental Group, LLC**– Scientist III/Scientific Sampling Diver. Served as the Oyster Lease Damage Evaluation Board (OLDEB) Certified Oyster Biologist and Scientific Sampling Diver for a 1500 ft. radius oyster assessment to assist Providence Engineering in obtaining a coastal use permit for the proposed project activities which included dredging and pipeline removal. Involved with all assessment activities, sampling methodologies, and insured the OLDEB protocols. Mr. Trahan was the primary diver for all benthic sampling efforts in areas found to be existing oyster reefs. Oyster density and mortality calculations were derived from utilizing square meter sampling protocols. Water quality and bathymetric data was also collected and analyzed for the project area.

## TEC Professional Services Questionnaire

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

Name & Title:

**Matthew Thornton, PLA**

*Land Planning/Landscape Architecture*

Project Assignment:

Planner

Name of Firm with which associated:



Years' experience with this Firm:

11 years with this firm, 17 years total

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2006/Landscape Architecture

Active registration: Year first registered/discipline:

LA 0698/2014/Professional Landscape Architect

Other experience and qualifications relevant to the proposed Project:

Matt's responsibilities include managing site design, land planning layouts, plan production, meeting deadlines and site construction management, as well as obtaining plan approval from regulatory agencies for municipal districts, parish, and city projects. He is also experienced in coordinating project site design for clients, including public and private land developers, green infrastructure storm-water design, and recreational facilities. Matt has experience in the planning and design of airports, comprehensive plans, park master plans, recreation facilities, passive parks, wall systems, hike and bike trails/sidewalks, boulevard landscape design, monument entry, low impact development implementation, and Splash N Play parks. He has recent experience managing the civil site design of large apartment complexes including site design/development and storm-water management.

#### **Project Experience**

**Wellness Phase II Sports Complex, Thibodaux Regional Medical Center, Thibodaux, LA** – Project Manager for a NCCA compliant sports complex which included; Soccer Stadium, 8 Beach Volleyball Courts, 12 Tennis Courts, community garden, memorial hiking trail, drainage, parking, lighting, hike and bike trails, and landscape design.

**Acadia Plantation Recreational Parks and Trails, Thibodaux, LA** – Project Manager of the parks and recreation master plan. Hike and bike trails are under construction and the children's natural play ground is currently under design.

**Assumption Recreational District** – Project Manager for all facility improvements. Assisted with grant applications, funding acquisition from LA State Trails grant, Land Water Conservation Fund & DNR, and recreational planning for the recreational area in Assumption Parish.

- **Veterans Park** – Current project manager for bulkheading bayou and paddle trails at Veterans Park. Over the years we have installed pavilion, hike bike trails, workout equipment, playground, baseball fields, basketball court, tennis courts, maintenance shed, concessions, and parking lots.

#### **St. Martin Parish Recreation District**

- **Stephensville Sports Park** – Project Manager of the Stephensville baseball complex, concessions, shade structures, parking lot design, and children's playground.
- **Belle River Park** – Project Manager and site plan designer for the trails, landscaping, wetland mitigation, and community conference hall.

## 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>Rural Bridge Replacement Initiative (47 Structures), Phase 1</b> Multiple Sites in Northern Louisiana</p> <p>1201 Capitol Access Road Room 501-I Baton Rouge, LA 70802 225-379-1894</p> 	<p>As part of an overall effort by LADOTD to reduce the amount of structurally deficient bridges throughout the state as part of meeting FHWA metrics, LADOTD contracted TBS for the Rural Bridge Replacement Initiative, Phase I project which replaced 47 bridge structures, primarily in North Louisiana, north of the I-20 corridor near Monroe, Shreveport, Ruston, and Minden. TBS performed for the project all the services required to provide the documentation necessary for a Categorical Exclusion from the Federal Highway Administration (FHWA) for 3 bridge sites along LA 9 in Claiborne Parish.</p> <p><b>SOLICITATION OF VIEWS</b> The consultant was responsible for sending out the necessary solicitation of views and categorical exclusion clearance documentation required for environmental clearance for each project.</p> <p><b>CATEGORICAL EXCLUSION (CE)</b> The Categorical Exclusion (CE) document was prepared to comply with the National Environmental Policy Act (NEPA) and written according to the current applicable Federal Highway Administration (FHWA) technical Advisory Guidance. Items to be addressed in the CE document:</p> <ul style="list-style-type: none"> <li>Environmental Determination checklist</li> <li>Purpose and Need</li> <li>Descriptions of Alternatives</li> <li>Impacts</li> <li>Wetlands</li> <li>Endangered Species</li> <li>Permits/Mitigation</li> <li>Hazardous Materials (like Underground Storage Tanks, etc.)</li> <li>Public Lands (Wildlife Management Areas)</li> <li>Social impacts/Environmental Justice</li> <li>Economic Impacts</li> <li>Recreation Resources</li> <li>Historic/Cultural resources</li> <li>Flood Plain</li> <li>An estimate of construction and right-of-way costs</li> <li>Comments and coordination Section</li> </ul> <p>Upon completion of the CEs, copies were submitted for review by the DOTD and by the FHWA. In addition to the CE a wetlands report, including photographs, data forms, site maps, soil descriptions and flora reports along with an evaluation of wetland's quality, were prepared. The consultant identified any wildlife refuge, endangered and threatened species, and/or historic structure affected by this project. Coordination with stakeholders, local officials, emergency response personnel, and the affected community was conducted during the closure of bridges or roads. Louisiana is under the jurisdiction of four US Army Corps of Engineer Districts: New Orleans, Vicksburg, Fort Worth, and Galveston. The consultant obtained a U.S. Army Corps of Engineer Nationwide Permit as applicable for each bridge and part of the project.</p> <p><b>WETLAND STUDY</b> Wetlands within the project area were identified and delineated using the latest Corps of Engineers (COE) guidelines. The consultant conducted a ground level investigation of the right-of-way to locate wetlands and verify the aerial base mapping. Wetlands were classified by type. Each wetland area was located on a quadrangle sheet as well as a layout map with the station numbers noted. Impacted wetland acreage was calculated and marked on exhibits for wetland report. Color photographs of each soil sample with the appropriate Munsell soil chart in the same photograph were taken and included in the report. The Wetland Determination Data Form (Atlantic and Gulf Coastal Plain Region) was used to document the wetlands delineation/identification effort.</p> <p><b>Preparation of Wetland Findings Report</b> A Wetlands Finding Report using the latest Federal Highway Administration (FHWA) criteria was written and submitted to the DOTD Project Manager with SOV packet and their responses.</p> <p><b>DELIVERABLES</b></p> <ul style="list-style-type: none"> <li>Categorical Exclusion Document and Related Appendices (Preliminary and Final)</li> <li>Wetland Findings Report (Preliminary and Final)</li> <li>US Army Corps of Engineers (USACE) Permit as required (including permit sketches)</li> </ul>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<b>2022 (Actual)</b>	<b>\$6,561,000</b>	<b>\$4,440,000</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. 2



Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:						
<p><b>Entergy - Hurricane Ida Support and Repairs</b> Jefferson Parish, LA</p> <p><i>Entergy Louisiana, LLC 2200 West Church St. Hammond, LA 70401 504-593-3456</i></p>	<p>Entergy Louisiana had to rapidly rebuild its distribution infrastructure in Louisiana due to damages sustained from Hurricane Ida in 2021. TBS has directly assisted in all environmental, permitting, and survey aspects required in this RFP during these events.</p> <p>TBS provided survey and permitting services to assist with the planning and logistics, emergency permitting, after the fact permitting, layout, and construction of replacement distribution infrastructure in the aftermath of these storms. These services included LDNR Coastal Use Permits, U.S. Army Corps of Engineers Permits, NEPA Review, site inspections, include wetland delineations in some cases, coordination with all local, state, and federal agencies, and coordination with other local stakeholders. In many cases Emergency Use Authorizations were required due to the nature of the projects. TBS worked hand in hand with all stakeholders to ensure all regulatory requirements were met, while also assisting to restore power and infrastructure in an expeditious and safe manner.</p>						
							
	<p><b>Estimated Cost:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d3d3d3;"> <th style="width: 35%;">Completion Date (Actual or estimated):</th> <th style="width: 35%;">Entire Project:</th> <th style="width: 30%;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><b>2023 (Estimated)</b></td> <td style="text-align: center;"><b>Not Disclosed (Private Client)</b></td> <td style="text-align: center;"><b>\$217,000</b></td> </tr> </tbody> </table>		Completion Date (Actual or estimated):	Entire Project:	Work for which Firm was Responsible:	<b>2023 (Estimated)</b>	<b>Not Disclosed (Private Client)</b>
Completion Date (Actual or estimated):	Entire Project:	Work for which Firm was Responsible:					
<b>2023 (Estimated)</b>	<b>Not Disclosed (Private Client)</b>	<b>\$217,000</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.**

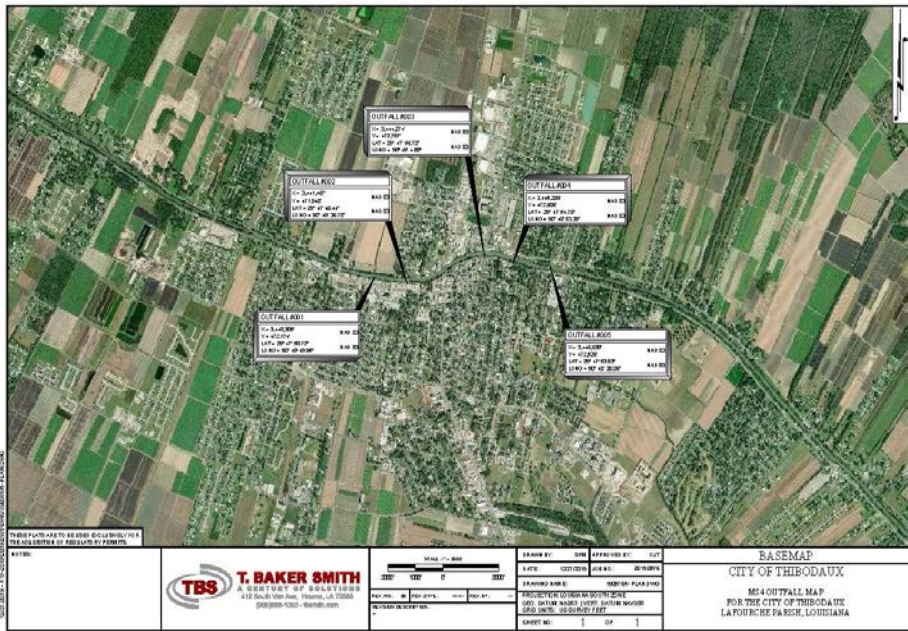
### PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Entergy - Golden Meadow to Clovelly T-Line Rebuild</b> Jefferson Parish, LA</p> <p><i>Entergy Louisiana, LLC 4809 Jefferson Hwy Jefferson, LA 70121 504-840-2728</i></p>	<p>TBS prepared a Storm Water Pollution Prevention Plan (SWPPP) in accordance with the requirements of the Louisiana Pollutant Discharge Elimination System (LPDES) Storm Water General Permit for Small Construction Activities (Permit No. LAR200000 for Less the 5 Acres). TBS also provided a qualified environmental inspector to perform periodic storm water inspections of the construction site in accordance with LDEQ LPDES Permit No LAR200000. Inspections were performed at least once every 7 days as specified in Part IV of the permit. Services included an onsite inspection of the project site to determine effectiveness of BMP's, coordination of necessary corrective actions with the contractor on site, and prepare a report of findings to the client.</p>	
		
	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<b>2022 (Actual)</b>	<b>\$75,500</b>	<b>\$75,500</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

<div>Project Name, Location and Owner's contact information:</div> <div>City of Thibodaux, Assistance with Storm Water Management Plan</div> <div>Thibodaux, LA</div> <div>City of Thibodaux</div> <div>P.O. Box 5418</div> <div>Thibodaux, LA 70301</div> <div>985.446.7273</div>	<div>Nature of Firm's Responsibility:</div> <div>TBS developed a Storm Water Management Plan (SWMP) in accordance to LAR040000 Part IV. TBS also prepared a Small MS4 Annual Report for the years 2018-2022 as required by LAR040000 Part V.C. In addition, TBS prepared and submitted a Notice of Intent for MS4 permit renewal for the client.</div> <div></div>	
<div>Completion Date (Actual or estimated):</div> <div>2022 (Actual)</div>	<div>Estimated Cost:</div> <div>Entire Project:</div> <div>\$15,000</div> <div>Work for which Firm was Responsible:</div> <div>\$15,000</div>	

## 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

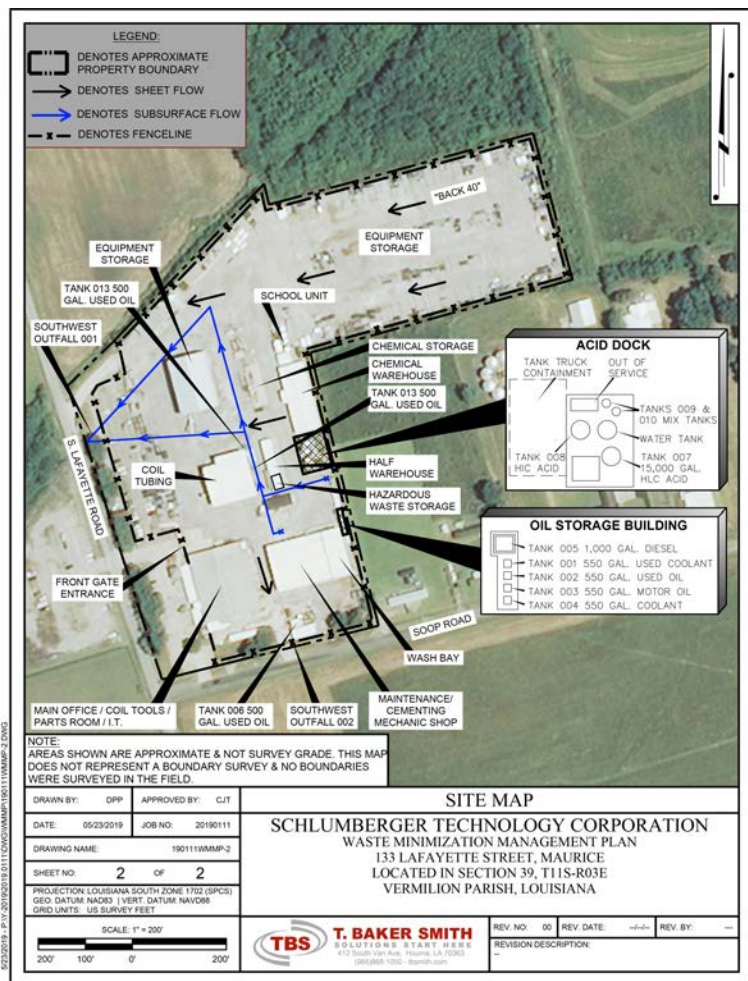
Project Name, Location and Owner's contact information:

**Waste Management Plan for Facility Located at 133 South Lafayette St. (Coil Tubing Services)**  
Maurice, LA

*Schlumberger Technology Corporation*  
200 Gillingham Lane, MD 7  
Sugar Land, TX 77478  
985.580.7522

Nature of Firm's Responsibility:

TBS provided the required professional services to develop a Hazardous Waste Minimization/Management Plan for the above mentioned facility. The plan will also be certified by a professional engineer upon completion in accordance to LAC 33.V.2245.



Completion Date  
(Actual or estimated):

**2020 (Actual)**

Estimated Cost:

Entire Project:

**Not Disclosed (Private Client)**

Work for which Firm was  
Responsible:





**\$3,500**



## 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. 6

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Environmental Planning Services at Ascension Parish Schools</b> Ascension Parish, LA</p> <p><i>Ascension Public Schools</i> <i>9690 Airline Hwy.</i> <i>Sorrento, LA 70778</i></p>	<p>The Ascension Parish School Board selected T. Baker Smith, LLC (TBS) to provide environmental planning services at five school sites in Ascension Parish. Each task resulting from the contract includes one site. The scale of the proposed construction projects ranges from \$5M to \$20M and covers 12 to 20 acres. TBS has provided professional environmental services on two sites thus far.</p> <p><b>Parker Road Site</b></p> <p>TBS provided regulatory consulting, wetland delineation, and mitigation planning services for the proposed school location at the Parker Road site in Ascension Parish, Louisiana.</p> <div style="display: flex; justify-content: space-around;">   </div> <p><b>Dutchtown High School</b></p> <p>TBS provided regulatory consulting, wetland delineation, and mitigation planning services for the proposed school location at Dutchtown High School in Ascension Parish, Louisiana.</p> <div style="display: flex; justify-content: space-around;">   </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<b>2017 (Actual)</b>	<b>\$20,000,000</b>	<b>\$8,500</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>LA 1088 Corridor Study</b>  <b>Route LA 1088 (LA 59 to I-12)</b>  St. Tammany Parish, LA</p> <p><i>Louisiana DOTD</i>  1201 Capitol Access Road,  Baton Rouge, LA 70802</p>	<p>The LA 1088 Corridor Study is a Stage 1 Environmental Assessment focused on improving the mobility and safety of vehicle, pedestrian, and bicycle traffic along LA 1088 corridor between LA 59 to the I-12 westbound ramps, a distance of about 3.5 miles. TBS currently serves as a sub-consultant to Volkert, Inc. for this project to provide Phase I Environmental Site Assessments, Line and Grade Study, and Conceptual Design of the preferred alternative chosen. The scope of services for the project consists of the preparation of an Environmental Assessment (EA) in accordance with the National Environmental Policy Act (NEPA), and other applicable laws for the proposed project. The project's focus area is along the LA 1088 corridor between LA 59 (Girod St.) and the I-12 westbound ramps. The study area for this project is considered from the intersection of LA 59 and US 190 north along LA 1088 until its intersection with LA 36. The project team evaluated the social, economic, and environmental consequences of the alternatives (including the no-build).</p> <p>Three (3) alternates were considered during the EA from the Stage 0 study. Alternate 1A involves the design of a new 4-lane divided section with sidewalks on both sides of the roadway from Forest Brook Boulevard to the I-12 Interchange. Utilizing the existing roadway section, roundabouts were included at the following eight existing intersections: LA 59 (Girod Street), Garon Drive/Jackson Street, Spring Boulevard Magnolia Trace School, Soult Street/Viola Street, Trinity Drive, Forest Brook Boulevard, I-12 eastbound ramps, and I-12 westbound ramps. Alternate 1B includes the design of a new 4-lane divided section with sidewalks on both sides of the roadway from Forest Brook Boulevard to the I-12 Interchange. Utilizing the existing roadway width, 5' bike lanes were implemented adjacent to the through lanes, on each side of the roadway and sidewalk on the north side of the roadway from LA 59 to Forest Brook Boulevard. Roundabouts were considered at the following eight existing intersections: LA 59 (Girod Street), Garon Drive/Jackson Street, Spring Boulevard Magnolia Trace School, Soult Street/Viola Street, Trinity Drive, Forest Brook Boulevard, I-12 eastbound ramps, and I-1 westbound ramps. Alternate 2 involved a new 2-lane divided curb and gutter section from LA 59 to Forest Brook Boulevard with a 6' median, (2) 5' bike lanes adjacent to the through lanes, and a sidewalk on the north side of the roadway. A new 4-lane divided section from Forest Brook Boulevard to the I-12 Interchange including roundabouts at the following eight existing intersections: LA 59 (Girod Street), Garon Drive/Jackson Street, Spring Boulevard Magnolia Trace School, Soult Street/Viola Street, Trinity Drive, Forest Brook Boulevard, I-12 eastbound ramps, and I-12 westbound ramps.</p> <p>The initial field services (Phase I ESA, wetlands, etc.) are complete, along with the majority of the Line and Grade effort. The Draft Environmental Assessment is currently under review and upon completion of the review, conceptual design of the preferred alternative will be completed.</p>	
	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<b>2019 (Actual)</b>	<b>\$65,000</b>	<b>\$22,468</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>NGL Marine Terminal</b> Houma, LA</p> <p><i>NGL Crude Terminals, LLC</i> 2900 North Loop West, Ste. 1250 Houston, TX 77092</p>	<p>TBS provided diverse engineering, environmental, and surveying professional services for the project from concept to construction to operations commencement. TBS provided construction staking, as-builts and alignment sheet preparation, as well as LDNR Coastal Zone and U.S. Army Corps of Engineers assistance. Additionally, TBS provided environmental and regulatory services, such as LDEQ air permitting, wastewater and water discharge permitting, U.S. EPA and USCG ICP preparation and DOT compliance assistance, and FRP preparation. Through our design capabilities, TBS was able to design containment necessary to meet regulatory requirements, increase efficiency, and reduce cost for the operation of the facility.</p> <div style="text-align: center;">  </div>	
<div style="font-size: 48px; color: #ccc; opacity: 0.5;">JP</div>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<b>2019 (Actual)</b>	<b>\$475,000</b>	<b>\$475,000</b>

## TEC Professional Services Questionnaire

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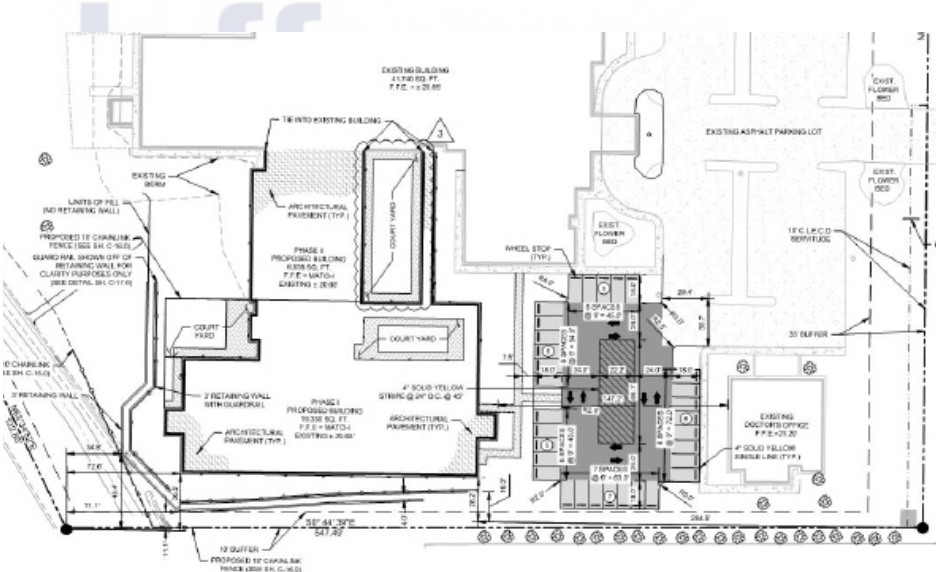
### PROJECT NO. 9

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>West Jefferson Medical Center</b> Jefferson Parish, LA</p> <p><i>West Jefferson Medical Center</i> <i>1101 Medical Center Blvd.</i> <i>Marrero, LA 70072</i></p>	<p>TBS performed an initial site visit of the facility to gather data necessary to develop a Spill Prevention Control and Countermeasures (SPCC) Plan for the client. TBS collected all relevant data for the facility including inventory of subject storage tanks and equipment, any spill containment and/or diversionary structures, spill response, notification and evacuation procedures, personnel training and briefing procedures, inspection and testing procedures, recordkeeping procedures, nearest receiving waters, and facility design and surface flow directions. TBS incorporated the facility data into a SPCC Plan that was written in accordance to the requirements of the United States Environmental Protection Agency (USEPA) Spill Prevention Control &amp; Countermeasure Plan (SPCC) regulations (40 CFR 112.3, 112.5, 112.7, &amp; 112.8) and Louisiana Department of Environmental Quality (LDEQ) Spill Prevention &amp; Control (SPC) Plan regulations (LAC 33 Part IX Chapter 9). The SPCC Plan was certified by a TBS professional engineer (PE) in accordance to state and federal regulations.</p>	
		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<b>2017 (Actual)</b>	<b>\$5,000</b>	<b>\$5,000</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. 10

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Acadia Greenbrier Hospital Expansion</b> St. Tammany Parish, LA</p> <p><i>ALPA Construction</i> 6601 S. Central Ave. Bedford Park, IL 60638 708.887.2572</p>	<p>Initially, TBS environmental services for this project included a wetland delineation of the entire project site and a Phase I ESA. Once the project was under way and began to evolve, two additional environmental topics emerged. First, the drainage corridor behind the property was identified by the Louisiana Wildlife and Fisheries Department as a Scenic River corridor. TBS coordinated with the LDWF officials to ensure all regulations were met in this regard and that there was no impact to the Scenic River corridor. The second environmental topic that emerged on the project was the need for a detailed tree survey. The designers of the site layout were considering placing a parking lot and a detention area in two densely wooded areas of the site. Per local regulations, TBS performed a detailed tree survey of the densely vegetated areas, identifying desirable tree species to remain on the site. The parking lot was ultimately not constructed, but the site designers were able to use the tree survey to design the detention area around trees to preserve desirable trees on the site.</p> 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021 (Actual)	Not Disclosed (Private Client)	\$145,500

## TEC Professional Services Questionnaire

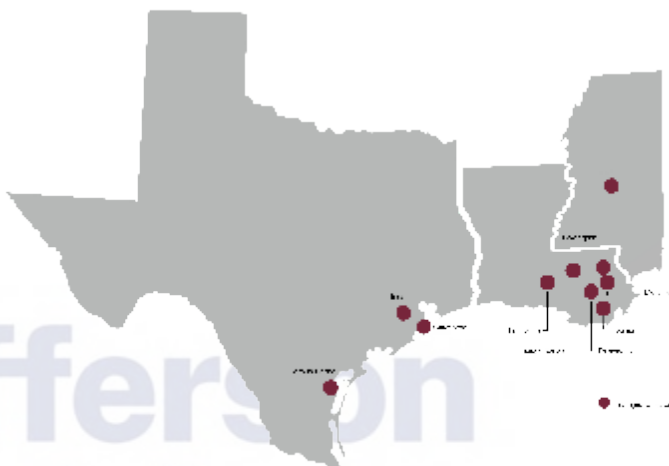
**M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.**

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 engineering, environmental, surveying, 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 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.



### ENVIRONMENTAL SOLUTIONS

TBS' environmental professionals provide an array of regulatory compliance and natural science services at each step of a project's lifecycle—from initial conception, through planning and permitting, and to eventual operation. Charged with helping clients meet environmental standards, our environmental group provides key compliance, regulation, and permitting expertise that allow a project to proceed in compliance with local, state, and federal regulations.

The environmental and regulatory review process for siting new facilities or infrastructure is ingrained into our thinking and planning. TBS' Environmental Group can navigate through the U.S. Army Corps of Engineers, the Louisiana Department of Natural Resources (LDNR) Office of Coastal Management (OCM); local levee boards; and other regulating authorities, specifically those associated with Sections 404/10/408 permitting and compliance.

For the past several years, TBS has ranked No. 1 in successfully obtaining LDNR OCM coastal zone permits in Louisiana. This frequency of permitting has provided TBS with the opportunity to develop and build relationships with the regulatory agencies, and more specifically with the agency personnel themselves.

TBS can additionally support Jefferson Parish Government's regulatory compliance efforts through air permitting and compliance, water and wastewater discharge permitting and compliance, preparation, and implementation of U.S. EPA, LDEQ, U.S. Coast Guard plans for spill prevention and control, operations and security manuals, and other emergency plans. Additionally, through teaming partners, we can provide cultural resources review and gain SHPO clearance for your project.

### Permitting and Planning (air, water, waste management)

Our experts have effectively worked with clients for many years to maintain compliance with various regulatory frameworks. Whether U.S. EPA, LDEQ, LDNR, or U.S. DOT and FEMA, our associates have experience and skills for these types of projects.

We have extensive experience in assisting permittees with the Municipal Separate Storm Sewer (MS4) programs in the state of Louisiana. Our knowledge and experience in both water quality and quantity solutions provides our clients with experience and peace of mind while working with these agencies.



## 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.**

Our experience with water and waste management stretches from MS4 permits, to discharge permitting for facilities and public works projects, to waste management support for industry. Associates actively participate in projects to provide consulting to clients across markets and industries.

Additionally, our ability to provide clients with marine resources assessments, strategies, and compliance is second to none. Our team of biologists and ecologists are state-certified for oyster resources and maintain a trusted relationship with the state of Louisiana resource agencies as well as the U.S. Fish and Wildlife Service and National Marine Fisheries Service.

TBS has led the state with the most Coastal Use Permits submitted to the USACE district since 2018, with an unprecedented 552 CUPs submitted. On average TBS has been submitting approximately 9% of Louisiana's CUP's to DNR and USACE over the past five years.

#### **Research of Regulatory Regulations**

TBS' regulatory compliance experts assist clients with navigating the complex network of environmental regulations enforced by federal, state, and local agencies. Services include permitting of multi-media, such as air, water, and waste, as well as preparation of regulatory plans and manuals aimed at protecting the valuable resources present on land and water throughout the region. Our regulatory knowledge and experience expands into the five primary market sectors we serve, which allows us to keep our clients in compliance from the early planning stages of a project all the way through construction and into operation.

TBS works extensively with many different districts of the U.S. Army Corps of Engineers. With most of our projects involving different levels of review by the U.S. Army Corps of Engineers, TBS has gained valuable and extensive experience in coordinating both between U.S. Army Corps of Engineers offices and districts and between the U.S. Army Corps of Engineers and other federal, state and local regulatory and commenting agencies. TBS is often asked to provide presentations and references for conferences, trainings as an expert in permitting and consulting related to U.S. Army Corps of Engineers Section 404, 408 and 10.

TBS also has years of experience and relationship development with the State of Louisiana, the local federal agencies and local municipal governments, ports and levee districts and boards. Additionally, through our experience in providing professional services to clients, we have developed relationships with the U.S. Forest Service, Louisiana Department of Wildlife and Fisheries, Louisiana Department of Transportation and Development, Louisiana Department of Environmental Quality and Louisiana Department of Natural Resources.



#### **Available Technologies**

Our professionals utilize Unmanned Aerial Systems (UAS) combined with scanning, photogrammetry, and video to assist our clients in managing and solving environmental, operational, and project challenges. UAS collects video for inspection purposes safely from a distance, allowing the user to review the data on an as-needed basis. Additionally, our LiDAR technologies capture large volumes of data that can be merged with other data sets to create models for planning and design.



## 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.

Terrestrial and aerial scanning technologies have greatly increased in recent years, transforming the way we gather project data. TBS professionals utilize 3D laser scanning technologies to conduct projects efficiently, accurately, and with fewer site visits. The production of an high definition 3D point cloud allows users to model and design facility upgrades and modifications from the convenience of their own desk. We can digitally capture a space utilizing 360-degree cameras for a virtual realistic experience. Indoor or outdoor, our scanning and 3D capture technologies allow us to provide the necessary data and support to increase the efficiency and safety of a project.

#### Geospatial and Monitoring Solutions

TBS works with local levee systems and governments to design, build, and install a monitoring system, solving the data problem. To modernize the pump station infrastructure, TBS was required to design a physical self-contained, self-powered, weatherproof, and internet-connected monitoring system. A unique combination of technology was used to build the physical station, as well as the supporting cloud infrastructure, providing a user-friendly way of accessing critical data. The combination and implementation of this new pump station monitoring technology provides multiple benefits for both local governments and the community. In addition to the primary benefit of collecting data, other resulting benefits include:

- Minimizing land subsidence
- Reduced levee maintenance costs
- A system of operations accountability for staff and operators based on historical data
- A tool that can be used to educate operations staff and the public
- Use of historical data to understand operation requirements and prioritize future capital projects

Furthermore, the monitoring system has a number of secondary benefits to the community. In coastal Louisiana, the challenges faced by communities are often multi-faceted. The combination of subsidence, relative sea-level rise, and the uncertainty of tropical storm events create a steadily increasing flood risk to coastal communities. The infrastructure funding challenges faced by levee and drainage districts are daunting when compared to their limited budgets. By taking steps to minimize drawdown of forced drainage systems, the rate of subsidence of the land and levee system acceleration is mitigated, and levee maintenance and damage to pump equipment is minimized. This allows the limited public funds to be concentrated where they are most needed, which is vital for the long-term sustainability of these communities.

Our in-house teams can safely and efficiently manage data across geographies. We provide clients with platforms to effectively utilize their data from their desktop or mobile devices.

Our field personnel, through our Innovative Solutions Group, have developed software packages that allow us to collect data quicker and share it sooner with the office associates to facilitate better reporting and tailor solutions to projects.

#### Coastal and Civil Engineering

TBS is rooted in Coastal Louisiana and understands the balance of coastal restoration, flood protection, ecology, and community services. Our coastal and civil engineers, along with our marine science professionals, work with our government and non-government partners on projects ranging from local drainage projects to water quantity and quality monitoring, to large coastal restoration project such as a living shoreline, which provides ecological benefit and coastal protection benefit, all while helping the economy of an area by providing habitat for commercial value seafood. Through our monitoring and data collection processes, we assist clients in the creation of project plans to provide many local and regional benefits.

### MINIMUM REQUIREMENTS

Requirement	TBS Associate
1. The persons or firms under consideration for professional services shall have at least one (1) firm representative who has at least five (5) years' experience in the field or fields of expertise required for the project(s).	Boyd Boswell, REP

## 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.**

### **PROFESSIONAL TRAINING AND EXPERIENCE**

Our environmental personnel hold degrees in biology, environmental planning and management, environmental studies, environmental engineering, chemical engineering, and geosciences. TBS' Environmental Discipline associates hold certifications including Professional Environmental Engineer, Professional Chemical Engineer, Registered Environmental Professional, Professional Wetland Scientist, OLDEB Certified Oyster Biologist, Project Management Professional (PMP), Register Forester, UAS Certified Pilot, Certified Coastal Practitioner (CCP), and Accredited Maritime Port Executive. Additionally, all of our environmental associates attend training regularly to monitor the latest environmental procedures, trends, and regulatory updates. These qualifications are exemplified in the provided resumes in Section K.

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.

### **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.

### **FIRM SIZE**

TBS currently has over 290 staff members firm-wide including civil, structural, and environmental engineers, land surveyors, planners, environmental scientists, biologists, construction administrators, and project representatives.

### **ADVERSARIAL LEGAL PROCEEDINGS**

As described in Section L above, TBS was involved in a legal matter with Jefferson Parish that was settled in April of 2014.

### **CONCLUSION**

At TBS, we thrive 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 the 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 through to a satisfactory completion for the public.

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

Signature: Boyd Boswell

Print Name: Boyd Boswell, REP

Title: Discipline Leader - Environmental

Date: 01/06/2023