T. BAKER SMITH
A CENTURY OF SOLUTIONS

ROUTINE ENGINEERING SERVICES FOR WATER PROJECTS IN JEFFERSON PARISH

Resolution 138809 | SOQ NO. 22-013

March 31, 2022

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

ROUTINE ENGINEERING SERVICES FOR WATER PROJECTS IN JEFFERSON PARISH

Resolution 138809

B. Firm Name & Address:

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

T. BAKER SMITH
A CENTURY OF SOLUTIONS

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

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

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

Brian E. Moldaner, PE, MBA
Lead Professional, Engineering
504.608.9367
Brian.Moldaner@tbsmith.com

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

40	Administrative		Estimators		Specification Writers
	Architects (Licensed)	1	Geologists	5	Structural Engineers
	Chemical Engineers		Geotechnical Engineers		Graduate Engineers
27	Civil Engineers		Interior Designers	24	Project Managers
5	Construction Inspectors	1	Landscape Architects		Clerical
10	Ecologists		Land Surveyor		Grant/Funding Specialist
	Electrical Engineers	1	Mechanical Engineers		Sanitary Engineers
11	Engineer Intern	1	Environmental Engineers	144	Other
18	Professional Land Surveyors				
				260	**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.

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:

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

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:

Lead Professional

Name of Firm with which associated:

T. BAKER SMITH, LLC
A CENTURY OF SOLUTIONS

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 is a Professional Engineer and project manager skilled at coordinating projects involving various disciplines including engineering, surveying and environmental services. He performs project management duties that include service fee proposals, coordination of engineering design professionals and technicians, creating project management plans, coordinating sub-consultants, and coordinating survey and environmental field crews. As a Professional Engineer, Brian designs complete plan sets for civil projects, including site developments, roadways, drainage systems, bridges, pipelines, and utilities. He is engaged in all aspects of the project from conceptualization through construction and operation. During his schooling 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

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

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

Water System Design for Distribution Facility, Carencro, LA (Scannell Properties #449, LLC) - *Project Manager, Engineer of Record.* Designed a 120-acre tract of land in Carencro, Louisiana, in order to construct a new one million square foot distribution facility with a design occupancy of 3,000 employees. TBS was hired by developer to provide the required professional services necessary to assist in development of the property. Services included survey, environmental, drainage, water, sewer, paving, landscape architecture, construction administration, and construction staking of the development for the developer.

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

William "Will" Bane, PE
Sr. Project Manager

Project Assignment:

Project Manager

Name of Firm with which associated:

T. BAKER SMITH, LLC
A CENTURY OF SOLUTIONS

Years' experience with this Firm:

1 years with this firm, 16 years with other firms

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2003/Civil Engineering
Master of Science/2005/Civil Engineering

Active registration: Year first registered/discipline:

LA PE.36709/2011/Civil

Other experience and qualifications relevant to the proposed Project:

William has 17 years of experience in design and construction of civil engineering projects and is a graduate of Tulane University and the University of Illinois Urbana-Champaign. He has successful history as a Project Manager having managed multifaceted projects including regional drainage projects, green infrastructure, watermain improvements and sewer collection system improvements, street construction, site development, as well as flood protection projects. He has served as designer for sewer, water and drainage projects from individual lots up to neighborhood scale. He has a depth of experience in design, construction estimates, scheduling, permitting, bidding and construction administration. He has successfully executed many multifaceted projects from problem identification through project completion. His experience includes large civil works for private developers and public municipalities.

Project Experience

St. Claude Sewer Replacement Program, New Orleans, LA (Sewer and Water Board New Orleans) – *Project Manager and Supervising Designer.* Provided professional services for the replacement of sanitary sewer infrastructure in the St. Claude Neighborhood of New Orleans, LA. The project used information gathered through video assessment to locate sewer breaks and settlement to determine areas where repair, lining, or full replacement was needed. Detailed construction plans were prepared for bidding and construction. Plans and specifications were coordinated and scheduled with Recovery Roads pavement replacement program, adding to complexity in design.

St. Roch Recovery Roads, New Orleans, LA (Sewer and Water Board New Orleans) – *Project Manager and Supervising Designer*. Provided professional services for the replacement of sanitary sewer infrastructure in the St. Roch Neighborhood of New Orleans, LA. The project used information gathered through video assessment to locate sewer breaks and settlement to determine areas where repair, lining, or full replacement was needed. Detailed construction plans were prepared for bidding and construction. Plans and specifications were coordinated and scheduled with Recovery Roads pavement replacement program, adding to complexity in design.

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Steve Synovitz, PE
Lead Professional, Engineering

Project Assignment:

QA/QC Manager

Name of Firm with which associated:

T. BAKER SMITH, LLC
A CENTURY OF SOLUTIONS

Years' experience with this Firm:

1 years with this firm, 41 years with other firms

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1983/Civil Engineering

Active registration: Year first registered/discipline:

LA PE.35362/2010/Civil | TX PE.82426/1997/Civil

Other experience and qualifications relevant to the proposed Project:

Steve Synovitz is the engineering lead professional of the T. Baker Smith Aransas Pass, Texas office. He has over 42 years of management, design, and field experience on public and private sector projects. The scope of his experience includes water distribution systems, sanitary sewer facilities, street improvement projects, storm drains, retaining walls, grading plans, hydrology studies and hydraulic analyses.

Steve is a registered professional engineer in Louisiana, Texas, and California; has studied River Restoration & Design through Portland State University in Oregon; and is a NASDS certified open water scuba diver. He achieved a B.S. Degree in Civil Engineering at the University of Illinois in Champaign-Urbana.

Project Experience

30-Inch Water Transmission Line, Fort Stockton, TX (City of Fort Stockton) – *Design Engineer.* The City of Fort Stockton was operating an existing 20" Concrete Steel Cylinder (CSC) line that conveyed water to the City's primary, reverse osmosis water treatment plant. The 20" CSC waterline had become severely corroded and needed to be replaced. This project constructed 8-1/2 miles of new 30" PVC waterline parallel to the existing line.

24 Mile Water Transmission Line, Kenedy, TX (City of Kenede) – *Design Engineer.* Preliminary alignment design, coordination, & field reconnaissance for the City of Kenedy's new water transmission line to convey water from a new well site within the Carrizo-Wilcox aquifer.

Economically Distressed Areas Program, San Patricio County, TX (San Patricio County) – *Design Engineer*. Facility engineering planning for regional water and wastewater system improvements. Texas Water Development Board funded study was used to identify alternative means to provide water supply, treatment, and distribution for colonias throughout the County.

Water System Expansion, Taft, TX (Rincon Water Supply Corporation) – *Design Engineer.* Water system expansion project - engineering design, surveying & construction services to provide water service to 297 existing households via 34 miles of 2" through 12" water line; included design of a pump station and an 80,000-gallon ground & a 200,000-gallon elevated storage tank.

Water System Improvements, Northridge, CA (California State University at Northridge) – *Design Engineer.* Design of new Campus-wide water system for improved fire protection; and design of trenching and surface improvements for hot and cold-water distribution lines from new central heating and cooling plant.

Kostoryz Road Utility Adjustments – Holly to Saratoga, Corpus Christi, TX (City of Corpus Christi) – *Design Engineer.* This project included the design and construction observation of approximately 2,600 linear feet of 6", 8" and 12" PVC water main, valves, fittings, fire hydrant assemblies, and related appurtenances.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Amber Plessala, PE
Lead Professional, Engineering

Project Assignment:

Project Engineer

Name of Firm with which associated:

T. BAKER SMITH, LLC
A CENTURY OF SOLUTIONS

Years' experience with this Firm:

14 years with this firm

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2007/Civil Engineering

Active registration: Year first registered/discipline:

LA PE.38575/2013/Civil

Other experience and qualifications relevant to the proposed Project:

Amber Plessala is a licensed civil engineer with experience in water and sewer utility improvements and managing right-of-way and servitude acquisition. She is experienced in the design and development of levees, pump stations, flood protection and water control structures, drainage improvements, and transportation projects.

Project Experience

Amelia Water Improvements, St. Mary Parish, LA (St. Mary Parish Water & Sewer Commission No.) – *Project Manager.* Provided design services for a new 10" PVC waterline and 8" gravity sewer line along Lake Palourde Bypass Road and Proposed Cajun Way Road in Amelia, LA.

North Thibodaux Wastewater Treatment Plant, Thibodaux, LA (City of Thibodaux) – *Project Manager.* Prepared waterline specs for new wastewater treatment plant.

Highway 57 Waterline Relocation, Terrebonne Parish, LA (Consolidated Waterworks District No.) – *Project Engineer.* Provided design specifications for installation of new waterlines within private rights-of-way. New polyethylene and PVC lines were installed, including approximately 6,100 linear feet of 8-inch water line and 4,100 feet of 16-inch waterline. Plans and specifications also called for removing and disposing approximately 4,200 linear feet of water line in order to resolve a conflict with the proposed subsurface drainage system.

Valhi Boulevard and Williams Avenue Waterline Replacement, Terrebonne Parish, LA (Consolidated Waterworks District No.) – *Project Engineer.* Performed a feasibility study and engineered a solution to meet the District's request. TBS proposes to install approximately 5,000 linear feet of new 16-inch waterline along the southern side of Valhi Boulevard and an additional 170 linear feet of new 8-inch waterline at Hemphill Drive and Cottage Drive to tie into existing water main systems in the subdivision. Additionally, TBS proposes to replace 2,035 linear feet of existing 6-inch waterline with new 12-inch waterline from Sixth Street to Elizabeth Drive along Williams Avenue.

Kraemer Waterline Replacement Project, Laforuche Parish, LA (Lafourche Parish Water District No. 1) – *Project Manager.* Provided design services for abandonment of existing waterlines and replacement with 2,350 linear feet of new 8" PVC and 12" PE waterline along LA Hwy. 308 and across Bayou Beouf. Coordinated USACE Joint permit application to obtain approval for directional drilling across waterway.

Sugar Street et al Waterline Replacement Project, Lafourche Parish, LA (Lafourche Parish Water District No. 1) – *Project Manager.* Provided design services for abandonment of existing waterlines and replacement with 2,940 linear feet of new 8" PVC and 12" PE waterline along LA Hwy 20, Sugar Street, and Sugar Mill Road. Coordinated crossing permits for existing pipelines and railway.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Jeff Loup, PE
Sr. Project Engineering

Project Assignment:

Project Engineer

Name of Firm with which associated:

T. BAKER SMITH, LLC
A CENTURY OF SOLUTIONS

Years' experience with this Firm:

6 years with this firm, 16 years with other firm

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1999/Civil Engineering

Active registration: Year first registered/discipline:

LA PE.31227/2004/Civil

Other experience and qualifications relevant to the proposed Project:

Jeff has demonstrated experience in project management, design and construction engineering in a wide variety of civil engineering projects. These projects have involved design and contract administration of: water system expansions and improvements, sewer treatment plants, pumping stations, force mains and collection systems, commercial sites and public roads . Jeff also has experience in the approval process for COE 404 permits, DEQ WPS-g permits for sewer treatment plants, DHH permits for sewer and water systems, DOTD permits for driveways, road bores and construction within state right-of-ways, boundary surveys and ALTA/ASCM survey maps.

Project Experience

North Thibodaux Wastewater Treatment Plant, Thibodaux, LA (City of Thibodaux) – *Professional of Record and Project Engineer.* Engineering services included hydraulic calculations for design of shared pipeline segments, preparation of detailed construction plans and specifications, project bidding and contract administration for approximately 2.1 miles of 12" sewer force main and necessary pump operation adjustments to connect the existing North 9th Street Pump station to the new North Thibodaux Wastewater Treatment Plant, including 2000' of 14" and 18" common force main shared with the St. John pump station. Additional services included: plan in hand site walk through, testing & inspection of existing pumps at N. 9th Street Pump Station, topographic survey along the proposed routing to verify the proposed sewer force main alignment and surface locate any existing utilities or obstructions, DOTD permitting for work to be performed within the State Right-of-Way, DHH permitting of the new sewer force main design, environmental permits for construction.

Water System Design for Distribution Facility, Carencro, LA (Scannell Properties #449, LLC) - *Project Engineer.* Assisted in the design of a 120-acre tract of land in Carencro, Louisiana, in order to construct a new one million square foot distribution facility with a design occupancy of 3,000 employees. TBS was hired by developer to provide the required professional services necessary to assist in development of the property. Services included survey, environmental, drainage, water, sewer, paving, landscape architecture, construction administration, and construction staking of the development for the developer.

Roadway and Sewer Improvements to Gulf Island Road, Houma, LA (Terrebonne Economic Development Authority) – *Project Engineer.* Coordinated resources to provide survey, design, permitting, construction plans and specifications, construction bid documents, construction administration and inspection, and construction contract award recommendation for the following: 2,450 linear feet of industrial roadway; 2,500 linear feet of 8-inch waterline; and sewer system improvements consisting of a gravity collection system for the site operations buildings, a minor lift station near the facility, and a major lift station near the highway. The major lift station required approximately 1,600 linear feet of force main for connection to the existing Parish system at the designated tie-in point.

Bluff Road Middle School, Gonzales, Louisiana (Ascension Parish School Board) – *Professional of Record and Project Engineer.* Development of approximately 18.0 acre project site including parking, driveways, storm drainage and utility tie-ins for the new Parish Courthouse Building. A new 30,0000 GPD sewer treatment plant was designed to tie the facility as well as a new 12" water line for fire protection, including DEQ Discharge permit, DHH permitting and certification.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Doyle "Paul" Carroll, PE
Project Engineer

Project Assignment:

Project Engineer

Name of Firm with which associated:

T. BAKER SMITH, LLC
A CENTURY OF SOLUTIONS

Years' experience with this Firm:

5 years with this firm, 10 years with other firms

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2003/Mechanical Engineering
Bachelor of Science/2006/Civil Engineering

Active registration: Year first registered/discipline:

LA PE.33902/2008/Civil

Other experience and qualifications relevant to the proposed Project:

Paul Carroll is a Louisiana-licensed professional civil engineer with over 18 years of experience in stormwater drainage, levees, retention ponds, vertical curve roadway design, structural design, and project management of small to large projects. He is primarily responsible for providing advanced technical support and assisting the project manager in the development and design of project plans, specifications and estimates.

Project Experience

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

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

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

2017-032-RBP – West Esplanade Avenue Restoration Eastbound, Tartan Drive To Haring Road, Jefferson Parish, LA (Jefferson Parish Government) – *Project Engineer.* Designed culverts and inlets along the sidewalk for the reconstruction design of approximately 2,650 linear feet of two-lane concrete roadway as well as grading plan for all intersections.

2017-015-RBP – David Drive Corridor Improvements, West Napoleon Avenue to Veterans Boulevard, Jefferson Parish, LA (Jefferson Parish Government) – *Engineer of Record.* Designing, modeling, and writing the report for the drainage improvements associated with the reconstruction of the roadway corridor.

I-12 Additional Hydraulic Analysis, St. Tammany Parish, LA (LADOTD) — *Project Engineer.* Modeled flooding depth and areas at multiple cross-culvert locations with a SWMM Model to determine if existing cross-culverts with extensions would meet LADOTD design criteria.

Copperstill Development, St. Tammany Parish, LA (Gulf States Real Estate Services) – *Project Engineer.* Designed drainage and site grading, modeled pre-construction and post-developed drainage, and wrote the hydrological study for the Copperstill development which includes businesses such as Rouses and Heritage Bank.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Christopher "Clark" Capone, PE

Project Manager

Project Assignment:

Project Engineer

Name of Firm with which associated:

T. BAKER SMITH, LLC
A CENTURY OF SOLUTIONS

Years' experience with this Firm:

1 years with this firm, 6 years with other firm

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2013/Civil Engineering

Active registration: Year first registered/discipline:

LA PE.43455/2019/Civil

Other experience and qualifications relevant to the proposed Project:

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

Project Experience

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

Waterline Extension along Bayou Country Parkway and Valhi Blvd., Houma, LA (Terrebonne Parish Consolidated Waterworks District No. 1) – *Project Manager, Engineer of Record.* Project consisted of the installation of approximately 3,500 linear feet of PVC and HDPE water mains via open trench and horizontal directional drilling. Associated work included fire hydrant & valve installation, ductile iron fittings, transition couplings, pressure testing, and sterilizing mains. Coordinated and oversaw topographic survey. Facilitated the acquisition of the right of way required for the waterline installation. Responsible for the design and overall management of the project. Produced construction plans, specifications, and cost estimate for the project.

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
TJ Stokes, PE *Lead Professional, Utility Engineering*
Project Assignment:
SUE
Name of Firm with which associated:
T. BAKER SMITH, LLC A CENTURY OF SOLUTIONS
Years' experience with this Firm:
1 year with this firm; 12 years with other firm
Education: Degree(s)/Year/Specialization:
Bachelor of Science/2009/Industrial Engineering
Active registration: Year first registered/discipline:
LA PE.40079/2015/Industrial Engineering
Other experience and qualifications relevant to the proposed Project:

TJ has over 13 years' experience in successfully managing numerous SUE projects specializing in transportation and roadway projects. As the Lead Professional for Utility Engineering, he is currently overseeing the completion of DOTD and MDOT retainer contracts along with numerous other public and private client projects. He has thorough knowledge of the Subsurface Utility Engineering standards listed in CI/ASCE Standard 38-02 and is familiar with all SUE technologies and equipment, including but not limited to, ground penetrating radar (GPR), hydro/air vacuum excavation, and numerous other types of geophysical locating equipment.

Project Experience

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

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

Harrison Avenue Improvements, US 190 - LA 59, St. Tammany Parish, LA (St. Tammany Parish Government) – *SUE Engineer/Project Manager.* Performed subsurface utility engineering and related services scope of work necessary to support the design of the widening of Harrison Ave. from US 190 to LA 59 in Covington, LA for St. Tammany Parish. The improvements along Harrison Ave. include approximately 13,200 feet of roadway widening along existing alignment including the installation of a raised median, construction of single lane roundabouts at Marigold Drive and Falconer Drive and various features such as bulb outs and R-CUT intersection treatments.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Lawrence "Larry" Toups, IV, PE

Construction Engineering & Inspection Group Leader

Project Assignment:

Construction Engineering and Management

Name of Firm with which associated:

T. BAKER SMITH, LLC
A CENTURY OF SOLUTIONS

Years' experience with this Firm:

3 year with this firm; 16 years with other firm

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2002/Civil Engineering

Active registration: Year first registered/discipline:

LA PE.35155/2009/Civil Engineering

Other experience and qualifications relevant to the proposed Project:

Lawrence is a construction engineering and inspection group leader and project manager with 19 years of experience conducting, leading, and managing infrastructure inspection, construction, and rehabilitation projects. He has served as Resident Engineer for major public and private infrastructure projects where he has been charged with ensuring compliance with the owner's plans and specifications and completion of the project in a timely manner. He has also conducted construction monitoring and inspection for numerous bridge replacement and rehabilitation projects and other structures of varying types.

In addition, he has served as Resident Engineer for several major LADOTD and railroad bridge projects where he has been charged with ensuring compliance with the owner's plans and specifications and completion of the bridge construction and repairs in a timely manner, and experience conducting, leading, and managing complex and movable bridge inspection, construction, and rehabilitation projects.

Project Experience

Move Ascension, Ascension Parish, LA (Ascension Parish Government) – *Construction Engineering and Inspection Group Leader.* Managed a project to rehabilitate and upgrade various roadways and bridges throughout Ascension Parish. Mr. Toups led a bridge inspection for this project, and is providing additional construction administration and technical construction oversight of assigned bridge construction projects later in the year.

2017-032-RBP – West Esplanade Avenue Restoration Eastbound, Tartan Drive To Haring Road, Jefferson Parish, LA (Jefferson Parish Government) – *Construction Engineering and Inspection Group Leader.* Led the project to rehabilitate a ½-mile section of West Esplanade Avenue. In this role, he advised the project manager in supervising the technical effort of the full-time construction inspectors subcontracted through Hartman Engineering. He also monitored the staffing and scope of the construction services provided for the owner on site. He reviewed submittals and RFIs related to the construction of the roadway and drainage structures for compliance with the plans, specifications, and applicable design guidelines. He also coordinated with contractors, the owner's representatives, and other technical personnel to enable the roadway and drainage structures to be constructed according to the contract documents and within time limitations and budget.

Little Bayou Black Pump Station, Houma, LA (Terrebonne Parish Consolidated Government) – *Construction Engineering and Inspection Group Leader.* Led the project to construct a new pump station. In this role, he advised the project manager in supervising the technical effort of the full-time construction inspectors on site. He also monitored the staffing and scope of the construction services provided for the owner on site. He reviewed submittals and RFIs related to the construction of the pump station for compliance with the plans, specifications, and applicable design guidelines. He also coordinated with contractors, the owner's representatives, and other technical personnel to enable the pump station to be constructed according to the contract documents and within time limitations and budget.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Philip Chauvin
Sr. Construction Manager

Project Assignment:

Construction Administration

Name of Firm with which associated:

T. BAKER SMITH, LLC
A CENTURY OF SOLUTIONS

Years' experience with this Firm:

15 years with this firm; 11 years with other firms

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1995/Construction Management

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Philip Chauvin has spent his career in construction management. His experience includes coordinating construction projects to ensure they are built to specifications. He also takes part in pre-bid site visits. Philip has the overall responsibility for the quality of construction projects for which TBS is providing construction administration and management. He supervises the TBS construction project representatives and provides technical support to them.

Project Experience

Gibson Jarvis Community Improvements, Phase II, Terrebonne Parish, LA (Terrebonne Parish Consolidated Government) – *Construction Manager.* Provided construction administration for the expansion of an existing community sewer system along North Bayou Black Drive in the Jarvis area of Gibson. The project provided sewer hook-ups for approximately 24 homes. The project scope included the design for a 100-gallons-per-minute sewer lift station, 1,875 linear feet of gravity sewer line, and 1,970 linear feet of sewer force main.

City of Thibodaux Sanitary Sewer Improvements, Thibodaux, LA (City of Thibodaux) – *Construction Manager.* Responsible for all construction activities as well as overseeing project inspectors.

North Thibodaux Wastewater Treatment Plant, Thibodaux, LA (City of Thibodaux) – *Construction Manager.* Oversaw bidding and construction activities at the new wastewater treatment plant in Thibodaux, LA.

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

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

Morgan City Levee Improvements, LA Hwy 70, Morgan City, LA (Drainage District No. 1) – *Sr. Construction Manager*. Managed Construction Adm. phase of project. Provided bidding assistance and reviewed bid documents. Coordinated pre-construction meeting, attended monthly progress meetings. Reviewed shop drawings, submittals and pay requests. Provided onsite representation during construction including sub-surface drainage, base installation, Asphalt & concrete placement, drainage pump station installation, and utility relocations.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Lisa Osborne *Senior Project Designer*
Project Assignment:
Project Technician
Name of Firm with which associated:
T. BAKER SMITH, LLC A CENTURY OF SOLUTIONS
Years' experience with this Firm:
7 years with this firm; 33 years with other firms
Education: Degree(s)/Year/Specialization:
Coursework for Civil Engineering Studies/1980
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:

Lisa Osborne is a senior project designer at TBS with over 40 years of CAD experience in civil, transportation, structural, and mechanical engineering. She has extensive experience using MicroStation and Autocad for civil, roadway, and structural projects. Lisa is experienced in using InRoads for developing horizontal and vertical alignments including generating templates to develop roadway sections and earthwork quantities. She utilizes InSurvey for importing survey features into the design model and to develop the existing surface. She has prepared complete set of drawings for construction on numerous civil and structural projects. She has completed the CAD conform training provided by LADOTD and is proficient in LADOTD's standards of roadway plan preparation. She is skilled in all current versions of Microstation and Autocad and has completed a 40-hour program for ArcGis through Penn State Online Courses.

Project Experience

2017-032-RBP, West Esplanade Avenue Restoration Eastbound, Tartan Drive To Haring Road, Jefferson Parish, LA (Jefferson Parish Government) – *Senior Project Designer.* Developed the horizontal and vertical geometry as per the design engineer specifications. Created all necessary documents for this project including typical sections, plan and profile, joint layout, subsurface drainage and graphical grades.

2017-015-RBP, David Drive Corridor Improvements, West Napoleon Avenue to Veterans Boulevard, Jefferson Parish, LA (Jefferson Parish Government) – *Senior Project Designer.* Developed Civil3d plans for the design drainage along the corridor. Verified capacity and flows for the drainage system for the engineer. Prepared all associated plans including details for the submittal.

2017-020-RBP, Labarre Road Widening, Airline Drive to Loumor Street, Jefferson Parish, LA (Jefferson Parish Government) – *Senior Project Designer.* Prepared preliminary design for roadway widening including permanent striping and signs and develop quantities. Prepared all necessary plans for the submittal.

SP H.004113, I-12 to Bush: LA 3241, LA 435 to LA 40/41, St. Tammany Parish, LA (LADOTD) – *Senior Project Designer.* Performed topographic survey data processing and deliverable preparation, roadway designer activities including roadway corridor modeling of roadway surface, open ditches, median cross overs and intersections utilizing Inroads and roadway plan production for the new 5.5-mile, four-lane RA-3 roadway from LA 435 to Bush, LA.

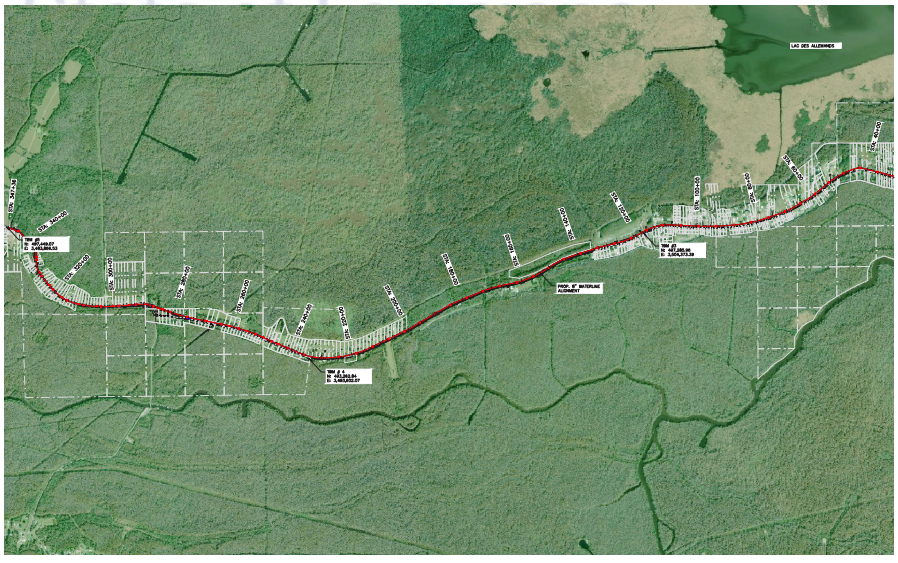
S.P. No. H.011152, I-12, US 190 to LA 59, St. Tammany Parish, LA (LADOTD) – *Senior Project Designer.* Assisted with roadway geometric design including H&V alignments, performed advanced roadway design modeling including complete corridor modeling using Microstation/Inroads, modeling of median barriers, transitions, all cross sectional roadway elements, open ditches and interchange elements, modeling of construction phasing for Level 4 Traffic Management Plans, prepared roadway plans using Microstation, Inroads, CADConform and ControlCAD for the four-mile widening and reconstruction of Interstate 12 in Covington, LA.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Katie Anders *Project Technician*
Project Assignment:
Project Technician
Name of Firm with which associated:
T. BAKER SMITH, LLC A CENTURY OF SOLUTIONS
Years' experience with this Firm:
5 years with this firm; 3 years with other firms
Education: Degree(s)/Year/Specialization:
Associate of Science/2014/Drafting & Design
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
Katie is a project technician at TBS with 8 years of experience in drafting and design. Katie provides technical support by calculating, analyzing, organizing, coordinating, and researching information, preparing drawings, and generally providing assistance with any other tasks necessary to complete the project. Her essential functions include the following: review, analyze and reduce raw data from field operations; prepare designs, drawings, and calculations for the project; prepares deliverables as directed; completing tasks according to the project schedule; assisting other project teams or departments with technical, field, or other duties as needed or requested; and performing additional duties as assigned or expected to ensure that value is being added to all projects by exceeding clients' expectations. **Project Experience** **Bella Ridge South Apartments, Harahan, LA (Favrot & Shane Architects) –** *Project Technician.* Responsible for providing drafting and design assistance for the civil site design for the approximately 10-acre, 240-unit expansion of the existing Bella Ridge North site. This project is currently under construction. **Drakes Landing Apartment Complex, Baton Rouge, LA (LDG Development) –** *Project Technician.* Responsible for providing drafting and design assistance for the civil site design of the 25 acre site located on Ardenwood Dr. in Baton Rouge, LA **Acadia Greenbrier Hospital Expansion, Covington, LA (ALPA Construction) –** *Project Technician*. Responsible for providing drafting and design assistance for the civil site design of the approximately 12-acre site for the proposed expansion of the existing facility. Responsibilities included preparation of permitting and construction plans, including site, grading, drainage, pavement, utility and detail sheets. This design-build project is currently under construction. This design-build project is currently under construction. **Acadia Longleaf Hospital Expansion, Alexandria, LA (ALPA Construction) –** *Project Technician.* Responsible for providing drafting and design assistance for the civil site design of the approximately 8-acre site for the proposed expansion of the existing facility. Responsibilities included preparation of permitting and construction plans, including site, grading, drainage, pavement, utility and detail sheets. This design-build project is currently under construction. This design-build project is currently under construction. **Dependable Storage Facility, Baton Rouge, LA (Woodward Design+Build, LLC) –** *Project Technician.* Responsible for providing drafting and design assistance for the civil site design of the approximately 3-acre commercial site. Responsibilities included preparation permitting and construction plans, DOTD permitting plans, drainage exhibits and cut/fill earthwork calculations. This project is currently under construction.

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.

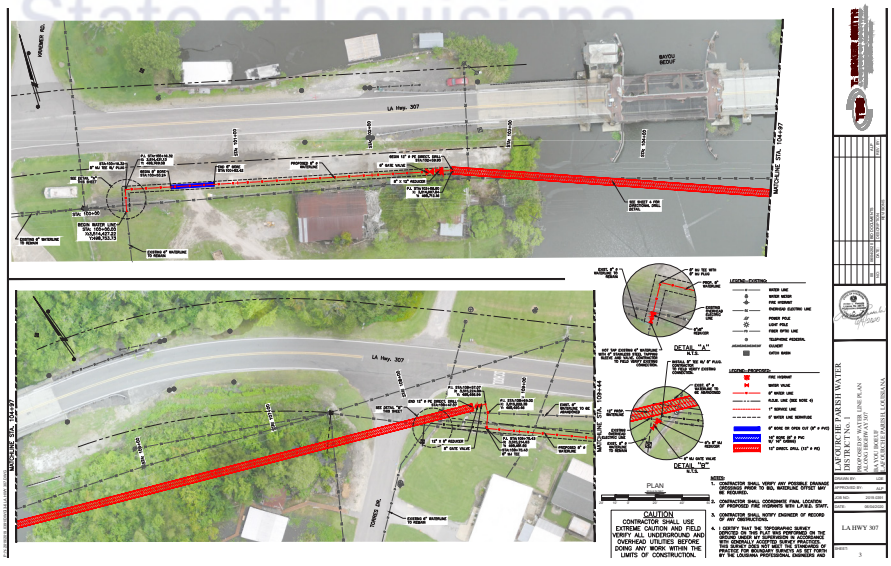
PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Kraemer Waterline Improvements along Hwy 307 **Lafourche Parish, LA** *Lafourche Parish Water District No. 1* *P.O. Box 399* *Lockport, LA 70364* *Wayne Gautreaux* *985.532.6924*	Lafourche Parish Water District No. 1 received $2.25 million in Facility Planning & Control (FP&C) funding to replace aging infrastructure along Hwy 307 in Kraemer. TBS has been contracted to provide professional services including surveying, permitting, engineering design, and construction administration for the 6.4-mile waterline replacement project in along Hwy 307 in Kraemer, LA. TBS utilized conventional survey methods as well as specialized Unmanned Aerial Survey (UAS) equipment to survey the project alignment from Rome Lane to Cedar Row along Hwy 307. Engineering design includes installation of 33,700 feet of 8" PVC and a 300-ft directional drilled HDPE bayou crossing. TBS is performing a wetland delineation assessment and overseeing permitting acquisition for various locations along the project route. **Services Provided:** • Engineering Design • Topographic surveys • UAS Surveying • Wetland Delineations • Permitting • Bidding • Construction Administration 

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	**$285,000**	**$194,000**

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:
Kraemer Waterline Improvements **Lafourche Parish, LA** *Lafourche Parish Water District No. 1* *P.O. Box 399* *Lockport, LA 70364* *Wayne Gautreaux* *985.532.6924*	Through the use of Facility Planning & Control (FP&C) funding, the water district called for the installation of approximately 30,000 linear feet of 8" water line and fire hydrants along State Hwy 307 to upgrade the existing 6" water line in the area. TBS provided preliminary design, final design, construction administration, permitting, and surveying services for the replacement of water line, installation for the construction of the water line replacement along LA Hwy 307 in Kraemer, LA and Bayou Beouf Crossing which consists of directional drill installation of approximately 2,363 linear feet of water line. TBS oversaw the FP&C funding process and acquisition of approvals. **Services Provided:** • Engineering Design • Topographic surveys • UAS Surveying • Permitting • Bidding • Construction Administration 

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	**$285,000**	**$40,000**

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.

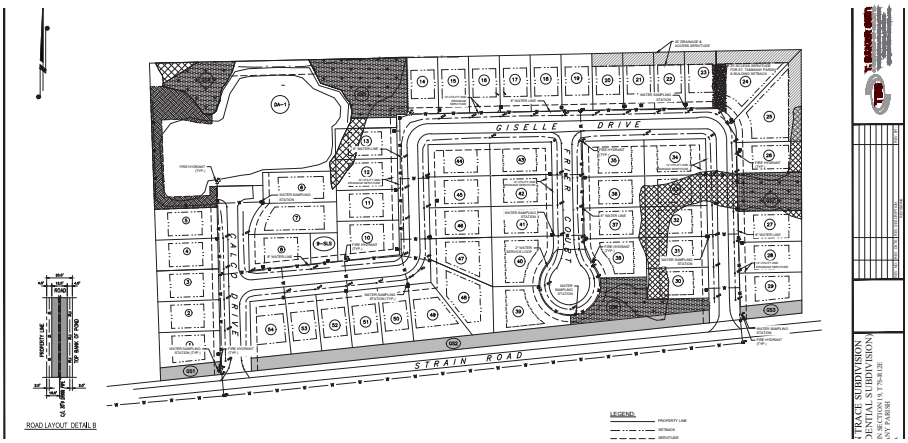
PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Sugar Street Waterline Replacement Project **Lafourche Parish, LA** *Lafourche Parish Water District No. 1* *P.O. Box 399* *Lockport, LA 70364* *Wayne Gautreaux* *985.532.6924*	Capital Outlay funding was used to replace aging waterline in several residential areas. TBS was contracted to provide surveying, engineering design, and construction administration services for abandonment of existing waterlines and replacement with 2,940 linear feet of new 8" PVC and 12" PE waterline along LA Hwy 20, Sugar Street, and Sugar Mill Road. **Services Provided:** • Topographic surveys • UAS Surveying • Engineering Design • Bidding • Construction Administration • As Built Surveys

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021 (actual)	**$49,000**	**$49,000**

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:
Improvements to Water System for Subdivision Development – Maison Trace Mandeville, LA *DSLD Homes* *Matthew Poche* *1220 South Range Ave.* *Denham Springs, LA 70726* *225.791.6860*	Developer requested assistance in developing a 53 lot residential subdivision. TBS was hired by developer to provide the required professional services necessary to assist in development of the property. Services included drainage, water, sewer, paving, landscape architecture, construction administration, and construction staking of the development for the developer. TBS performed the drainage modeling using Win-TR55 to size the pond as well as the flow from off-site areas draining through the site. The Rational Method was used to size driveway culverts. A single detention pond was used. **The site water was sized to meet fire water demand, the design included hydrants, service connections, 3 hdd bores, and a sampling station. The water lines connect to the water main in 2 locations to provide redundancy.** The wastewater design included gravity sewer directed to a new duplex lift station and then a sewer force main to a new wastewater treatment plant. The design also included service connections. TBS permitted the wastewater treatment plant with LDH and the discharge through LDEQ. **Services Provided:** • Final Plat • Preliminary and final civil designs • Pavement design • Lift station design • Construction management • Drainage impact study • Agency coordination
	
	

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022 (actual)	**Undisclosed (Private Project)**	**$129,700**

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:
Water System Design for Subdivision Development St. Tammany Parish, LA *Black Oak Holdings, LLC* *Matt Bowers* *2000 Preserve Lake Drive* *Covington, Louisiana 70433* *Matt@southernunited.com*	Developer requested assistance in developing a 14 lot residential subdivision. TBS was hired by developer to provide the required professional services necessary to assist in development of the property. Services included drainage, water, sewer, construction administration, and construction staking of the development for the developer. TBS sized the driveway culverts using the Rational Method. The site water was sized to meet fire water demand, the design included hydrants, service connections, and sampling stations. The wastewater design included gravity sewer directed to a new duplex lift station and then a sewer force main to an existing manhole. The design also included service connections. TBS permitted the discharge through LDEQ. During construction, an unexpected 2" water line was discovered which after contact with the water company, we were able to determine a few hours later was an unauthorized tap running to a residential house on another street. **Services Provided:** • Topographic survey • Preliminary and final civil designs • Lift station design • Construction management • Drainage impact study • Permitting 

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021 (actual)	**Undisclosed (Private Project)**	**$30,300**

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:
Water Design for Distribution Facility Carencro, LA *Scannell Properties #449, LLC* *8801 River Crossing Blvd.* *Indianapolis, IN 46240* *Matt Boone, P.E.* *317-843-5959*  	Developer requested assistance in developing a 120-acre tract of land in Carencro, Louisiana, in order to construct a new one million square foot distribution facility with a design occupancy of 3,000 employees. TBS was hired by developer to provide the required professional services necessary to assist in development of the property. Services included survey, environmental, drainage, water, sewer, paving, landscape architecture, construction administration, and construction staking of the development for the developer. TBS performed the drainage modeling using PCSWMM to design the site drainage, HEC-RAS modeling to do a No Flood Rise Certificate; water design for the site including domestic, fire, and irrigation; wastewater design for the site including both gravity sewer as well as a sewer force main with 4 in-line duplex lift stations which were added during construction due to extremely wet and soft soil conditions. The site drainage model had 3 discharge locations with 5 retention ponds, 4 of which were interconnected with 2 discharges to 2 separate watersheds with some culverts reversing flow during a storm event. Metering pipes and orifices were used to ensure that the peak discharge was reduced for all storm events and ponds were sized for a net balance of fill. **The site water was designed to meet the requirements for the 3,000 employee occupancy load as well as fire water and irrigation requirements. The water lines were installed in a loop to provide redundancy.** The wastewater design included gravity sewer until soil conditions required switching to an in-line force main with 4 duplex lift stations for the building and a single pump lift station for the secondary guard shack for a total occupancy of 3,000 employees. The original design was for all gravity sewer but due to unexpected soil conditions and extremely wet weather, the contractor asked us to redesign much of the system during construction to a force main system. **Services Provided:** • Boundary and topographic surveys • Environmental Wetland Delineation, ESA Phase I, SWPPP • Preliminary and final civil designs • Pavement design • Lift station tie-in design • Construction management • Drainage impact study • Alta surveys • Agency coordination

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022 (estimated)	**Undisclosed (Private Project)**	**$765,275**

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:
Highway 57 Waterline Relocation Terrebonne Parish, LA *Consolidated Waterworks District No. 1* *P.O. Box 630* *Houma, LA 70361* *Jacob Prosperie* *985.879.2495*	TBS provided survey and design specifications for installation of new water lines within private rights-of-way. The widening of Grand Caillou Road from Thompson Road to approximately 500 feet north of Industrial Boulevard involved abandoning and pressure grouting approximately 6,500 linear feet of existing 8-inch cast iron waterline on the western and eastern sides of LA Highway 57. New polyethylene and PVC lines were installed along the same highway, including approximately 6,100 linear feet of 8-inch water line and 4,100 feet of 16-inch waterline. Plans and specifications also called for removing and disposing approximately 4,200 linear feet of water line in order to resolve a conflict with the proposed subsurface drainage system. Where necessary, concrete streets and parking lots were replaced. TBS was responsible for coordinating public and private agencies involved in the construction. **Services Provided:** • Topographic surveys • Design specifications • Right-of-way acquisition • Servitude acquisition • Utility relocation • Bid assistance • Agency coordination • Construction administration • Construction observation • Record drawings 

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015 (actual)	**$1,615,598 (Construction Cost)**	**$1,615,598 (Construction Cost)**

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

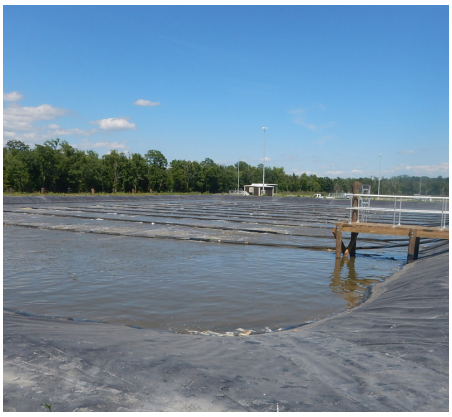
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Eastbound West Esplanade Avenue Restoration (Tartan Drive to Haring Road) **Jefferson Parish, LA** *Jefferson Parish Government* *Mark Drewes* *1221 Elmwood Pk. Blvd, Suite 802* *Jefferson, LA 70123* *504.736.6500*	The eastbound lanes of West Esplanade Avenue between Tartan Drive and Haring Road were in less-than-desirable condition due to general wear and tear, various patch repairs and the overall age of the roadway. Jefferson Parish contracted TBS to restore and rehabilitate the roadway to like-new condition. TBS completed design of the improvements and coordinated the public bid of the project in collaboration with the Road Bond Program Manager and Jefferson Parish. TBS provided Construction Administration services throughout the construction and closeout of the project and also provided Resident Inspection services for the project through a subconsultant. TBS is currently completing Record Drawings and assisting the Parish and Road Bond Program Manager with final project closeout tasks. In addition to designing the general removal and replacement of 9-inch concrete along the half-mile roadway segment, the project 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. In addition to the above, TBS also performed the topographic survey of the site and **coordinated with the Jefferson Parish Engineering Department who designed significant waterline improvements as part of the project.** TBS has submitted Preliminary Plans to the Owner and is currently awaiting authorization to move forward with final design.

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)**

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:
North Thibodaux Wastewater Treatment Facility **Lafourche Parish, LA** *City of Thibodaux* *Mayor Tommy Eschete* *P.O. Box 5418* *Thibodaux, LA 70302* *985-446-7218*	TBS conceptualized sewerage flows for land areas around the City of Thibodaux, determined central lift station locations and force main routes that could be used to transport additional sewage, and studied the need for new or expanded treatment facilities. Engineers studied four quadrants of land, estimating that nearly 17,000 acres could be considered developable. In addition, TBS installed a Geographic Information System (GIS) to serve as a database for the existing infrastructure. Among other information, drawings of the sewer layout and service lines, lift station photographs, aerial photographs, and LIDAR data were imported into the system. City officials can utilize GIS by entering data on proposed developments in order to anticipate their overall effects. Continued updates will serve as a basis for assessing and improving system capacity and performance. TBS designed three new sewer force mains to redirect all sewer flows north of Bayou Lafourche to the newly designed 1.5 MGD North Thibodaux Wastewater Treatment Facility. This $6.2 million facility was bid recently and will begin construction in early 2020. The activated sludge extended aeration process treatment plant's major components include a 6 MG equalization basin (EB) with a VFD self priming duplex equalization basin pump station, screen/compactor structure, long sludge age-activated extended aeration system (ASB), clarifier, and ultraviolet disinfection. The system is designed to produce a treated effluent of 10/15/1 and fecal coliform limits less than or equal to 200 cfu/100 ml monthly average and 400 cfu/100 ml/ weekly average. Sludge will be stored in an adjacent sludge holding basin (SHB) with a 13.3 MG storage capacity. The equalization basin has a storage capacity of up to 4 days based upon the storage volume (6 MG) and the treatment plant design flow rate (1.5 MGD). Discharge from the plant will be into the Rienzi Canal, which empties into the St James Canal and is a part of the Barataria Basin, subsegment 020102 (Bayou Bouef, Halpin and Theriot Canal) watershed. The City of Thibodaux has already received a LPDES permit (LA0127208) from LDEQ for the North Plant. **Services Provided:** • Engineering analysis • Cost estimates • Software installation • Software updates • DEQ Loan Coordination • Preliminary planning • Funding assistance • Section 201 Facility Plan Report • Environmental Information Document



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021 (actual)	**$9,200,000**	**$9,200,000**

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:
LA 20 Widening: LA 307 to S. Vacherie **Lafourche and St. James, LA** *LADOTD* *Corey Landry, PE* *corey.landry@la.gov* *225.379.1889*  	The LA 20 widening project is a safety project which features asymmetrical roadway widening of the LA 20 two-lane, rural arterial corridor from near LA 307 to South Vacherie by adding 8' outside shoulders and widening travel lanes. Currently, the roadway has no shoulders, narrow travel lanes and an existing borrow canal immediately adjacent to the west side of the roadway section. The roadway is surrounded by forested swamp land conditions for much of the project's 3 mile length. Upon completion, this section of roadway will meet current Rural Arterial standards and provide increased recovery area for errant vehicles. Included within the project is the replacement of a narrow two-lane reinforced concrete slab span bridge near the St. James/Lafourche Parish line. During the initial design stages, TBS conducted all topographic surveying and Subsurface Utility Engineering (SUE) services for the nearly 3 mile project corridor. **SUE services consisted of Quality Level B services on all utlity facilites within the project and Quality Level A services for larger facilites which crossed the roadway centerline including pipelines, fber optcs and water mains.** The project design calls for two 12' travel lanes and two 8' shoulders. TBS is responsible for all geometric design, traffic management plans, plan production of preliminary and final plans, **utlity confict analysis and coordinaton**, existing and design drainage mapping, property surveys and right of way mapping. TBS is also responsible for all bridge design elements including the replacement of a 5-span reinforced concrete slab span bridge using split-phase construction and special design elements. TBS also provided environmental services including wetland delineations, USCG coordination, permit drawing preparation, preparation of the Categorical Exclusion (NEPA) document, Public Meetings and related work. TBS was responsible for coordination of geotechnical investigation and design services including settlement analysis and specialty pavement section features due to the existing site conditions. TBS has completed the 100% preliminary plans and recently received FHWA approval of the categorized exclusion (CE). Final Plans began November 2019.

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	**$751,000**	**$751,000**

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 is a fully integrated, professional consulting firm committed to precision, integrity, and ingenuity. Founded in 1913, TBS has grown from a one-man shop in Houma, LA to a 260+ associate firm with office locations across the Gulf Coast Region, including Metairie, Covington, Baton Rouge, Lafayette, Thibodaux, and Houma, Louisiana; Galveston, Corpus Christi, and Houston, Texas; and Jackson, Mississippi. As residents of Jefferson Parish, we are deeply invested in the success of projects in the area, as it affects our homes, our families, and our businesses. We are eager to engage all of our resources to assist Jefferson Parish in any effort.

FIRM SIZE

TBS currently has over 260 staff members firm-wide including civil, structural, and environmental engineers, land surveyors, planners, environmental scientists, biologists, construction administrators, and project representatives.

LOCATION OF THE PRINCIPAL OFFICE

TBS will manage projects resulting from this request from our Metairie office, located at 740 Phosphor Avenue, Suite B, Metairie, LA 70001. Additional support can be provided from all other offices if ever needed.

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 has an office in Jefferson Parish, LA located at 740 Phosphor Avenue, Suite B, Metairie, LA 70005. The Metairie office employs 12 associates, five of whom reside in Jefferson parish. Our local staff is fully supported by a company-wide staff of 260+ associates, including 27 professional engineers and 18 professional surveyors that are available to assist in meeting project demands, should the need occur.

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.

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. The persons or firms under consideration shall have at least one principal who is a professional engineer who shall be registered as such in Louisiana	**Kenneth Wm. Smith, PE, PLS., FACEC** Chief Executive Officer LA PE.24642 exp.: 9/30/2022
2. The persons or firms under consideration shall have a professional in charge of the project who is a professional engineer who shall be registered as such in Louisiana with a minimum of five (5) years experience in the disciplines involved	**Brian E. Moldaner, PE, MBA** Lead Professional, Engineering LA PE.40075 exp.: 3/31/2024
3. The persons or firms under consideration shall have one employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project (A sub-consultant may meet the requirement only if the advertised project involves more than one discipline.)	**Brian E. Moldaner, PE, MBA** Lead Professional, Engineering LA PE.40075 exp.: 3/31/2024

EXPERIENCE WITH WATERLINE IMPROVEMENT PROJECTS

TBS has successfully completed a significant number of water and wastewater projects in the parishes of South Louisiana, including sewerage wastewater planning, upgrades, and rehabilitation as well as waterline relocations and rehabilitations. The key TBS personnel listed on the organization chart possess years of experience in the preliminary planning, surveying, design, permitting, bidding and construction administration of water transmission and distribution systems, sanitary sewer collections systems, lift stations, and sewer transmission force mains ranging in sizes from 4" to 16" diameter.

PRIOR SUCCESSFUL COMPLETION OF PROJECTS

Since 1913, TBS has provided public works solutions to improve the quality of life in the communities we helped build. From master planning and sustainable design to complete project management and government regulation, our public works solutions are targeted to fit each project scope.

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

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

TBS has a proven track record of providing innovative, integrated solutions with focused, personal attention for our clients, including Jefferson Parish Government and surrounding municipalities and special districts. Our associates have the specific expertise relevant to the projects that may arise from this RFQ.

From the beginning, TBS has been providing integrated professional solutions for various types of engineering projects for the public sector. Some of our public sector clients include the following:

TBS Similar Clients	
Amite River Basin Drainage & Water Conservation District	Jefferson Parish Government
Ascension Parish Government	Lafayette Consolidated Government
Ascension Parish School Board	Lafourche Parish Government
Ascension Public Schools	Lafourche Parish Water District No. 1
Assumption Parish Police Jury	Livingston Parish Government
Bayou Lafourche Fresh Water District	N. Lafourche Conservation, Levee, & Drainage District
Cameron Parish Police Jury	Office of Facility Planning and Control
City of Covington	Plaquemines Parish Government
City of Kenner	Port of New Orleans
City of Mandeville	St. Charles Parish
City of Morgan City	St. James Parish Council
City of Slidell	St. James Parish School Board
City of Thibodaux	St. Mary Drainage District No. 6
Consolidated Gravity Drainage Dist. Town of	St. Mary Levee District
Grand Isle No. 2 of St. Mary Parish	St. Mary Parish Government
Consolidated Waterworks Dist. No. 1	St. Tammany Parish Government
Drainage District No. 1 of Lafourche Parish	Terrebonne Levee & Conservation District
Ducks Unlimited, Inc.	Terrebonne Parish Consolidated Government
East Baton Rouge Parish Government	Terrebonne Port Commission
Greater Lafourche Port Commission	Town of Grand Isle

CONCLUSION

Since 1913, TBS has provided public works solutions that improved the quality of life in the communities we helped build. From master planning and sustainable design to complete project management and government regulation, our public works solutions are targeted to fit each project scope. In the past five years, TBS worked on over 420 projects belonging to the public sector. 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 project.

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

Signature: Andrée S. Cortez Print Name: Andrée Cortez, PE, PMP

Title: Chief Operations Officer Date: 03/31/2022