



PEC

PROFESSIONAL
ENGINEERING
CONSULTANTS
CORPORATION

433 Metairie Road, Suite 313
Metairie, LA 70005

P: 504.309.5360
jshires@pecla.com
www.pecla.com

STATEMENT OF QUALIFICATIONS

Routine Engineering Services for Sewer Projects SOQ No. 22-010 Resolution No. 138812



Prepared for:



March 25, 2022



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 22-010

Routine Engineering Services for Sewer Projects

Resolution No. 138812

B. Firm Name & Address:



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433 Metairie Road, Suite 313
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504.309.5360

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:

Tony Arikol, P.E., President License No. 23244
Ph: 504.309.5360
tarikol@pecla.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.

John H. Shires, P.E., Project Manager License No. 26865
504.309.5360
jshires@pecla.com

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

<u>4</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u> </u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u>7</u> Civil Engineers	<u> </u> Interior Designers	<u>2</u> Project Managers
<u>10</u> Construction Inspectors	<u> </u> Landscape Architects	<u>2</u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u>1</u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u>1</u> Sanitary Engineers
<u>3</u> Engineer Intern	<u> </u> Environmental Engineers	
<u> </u> Professional Land Surveyors		<u>30</u> TOTAL

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

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

TEC Professional Services Questionnaire

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

1.
Not Applicable

2.
Not Applicable

H. Has this JOINT-VENTURE previously worked together? Please check:
YES _____ NO X

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)
1. N/A		
2.		
3.		

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

14

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 (ie. 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:

**Tony Arikol, P.E.
President**

Project Assignment:

Principal In Charge/Project Engineer

Name of Firm with which associated:



Years' experience with this Firm:

32 Years

Education: Degree(s)/Year/Specialization:

BS./1984/Civil Engineering

Active registration: Year first registered/discipline:

1989/Civil Engineering

Other experience and qualifications relevant to the proposed Project:

Mr. Arikol has over 30 years of design and project management experience in all aspects of civil and environmental engineering. He has led the detailed design of numerous wastewater projects even as the President of the company. He has performed studies and detailed design for over 75 (new or rehabilitated) wastewater pumping stations, both small and large treatment plants, force mains from 2 to 48 inches, and numerous (new and rehabilitated) collection lines ranging in size from 6 to 108 inches.

RELEVANT PROJECT EXPERIENCE:

- Design Engineer for consolidation of **two existing pump stations (F8-4,F8-5) for Jefferson Parish**; project included complex traffic control, variable speed drive pumps and odor control due to proximity to neighborhood.
- Principal in Charge, Design Engineer for a **14 mgd main wastewater pump station rehabilitation. Project included installation of 6 – 100hp variable speed drive pumps.**

TEC Professional Services Questionnaire

Tony Arikol, PE (continued)

- Principal in Charge involved with two of the Baton Rouge Pump Station Upgrade Projects, which included the **rehabilitation of Pump Station Nos. 11, 99, 122, 138, 158, 169, 202, 210, and 254**. Also part of the scope of one of these Projects was the development of design standards for City/Parish pump stations.
- Project Manager for numerous (over 250,000 l.f.) **sewer rehabilitation projects** for East Baton Rouge Parish which included remove and replace, CIPP, slip-lining and manhole rehabilitation.
- Design of civil/site work and major piping for the **East Baton Rouge Parish South Wastewater Treatment plant wet weather upgrade. Pipe sizes ranged from 6 inches to 106 inches**. Total project construction cost \$117 million. Construction sequence design was very complex to allow for continuous plant operation.
- Principal and lead design engineer for new sewer collection system for un-sewered area on East Baton Rouge Parish's SSO Program. Tony led the preliminary and final engineering of over 20,000 L.F. of force mains from 8" to 42". Specifically in scope, are **approximately 16,000 L.F. of 24" and 42" force mains to be installed along Hooper Road. Project had 4 directional drill line segments with the largest directional drill at 42" to the smallest at 8"**.
- Project Manager and Principal in Charge that provided complete engineering design, plans and specifications for the new **2.0 mgd wastewater treatment plant and raw sewage pump in Plaquemine, LA**. This project has a construction cost of \$12 million dollars and is 80% complete.
- Principal in Charge and Project Manager responsible for providing plans and specifications for an **8 mgd sewage effluent pump station for the City of Plaquemine**. The station consisted of three 250 hp vertical close coupled variable speed pumps.
- Project Manager and Principal in Charge responsible for the design and preparation of plans and specifications for the **North Plant Wastewater Pump station Rehabilitation in Plaquemine, LA**. Project consisted of the mechanical and electrical rehabilitation for two 40 hp centrifugal dry pit pumps.
- Principal in Charge and Project Manager responsible for the design of the **rehabilitation of three submersible lift Stations** for the City of Mandeville. Construction includes the replacement of electrical service and control panels, discharge piping between pumps and valve pit, pumps, motors and piping.
- Principal in Charge of complete engineering design, plans, specifications and construction administration **for new force main network redirecting wastewater from Tallow Creek WWTP and Timber Branch No. 2 WWTP in St. Tammany Parish, LA** to the existing treatment facility. The new force main network consolidated the discharges from five existing pump stations. As a result of discharging into a new force main network all five stations were rehabilitated including new electrical controls, pumps and piping and two treatment plants can be removed from service.
- Principal in Charge for **Sewer Pump Station Rehabilitation for the City of Zachary**. Comprised of the rehabilitation and upgrade of 14 sewer pump stations throughout the City's collection system.
- Project Manager and Principal Design Engineer over **four phases of wastewater system improvements** for the City of St. Gabriel, Louisiana. Projects consisted of 3 new tertiary treatment facilities, new gravity sewer lines from 8 to 12 inches, over 25 new pump stations at a cost of over 10 million dollars. Phase I included funding jointly by RUS and the LCDBG program. This program has essentially increased the sewered residents in the community from less than 10% to over 95%, thereby dramatically improving the area's overall public health and welfare.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
John H. Shires, P.E. Senior Project Engineer
Project Assignment:
Project Manager
Name of Firm with which associated:
 PEC PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION
Years' experience with this Firm:
14 Years
Education: Degree(s)/Year/Specialization:
B.S./1991/Civil Engineering
Active registration: Year first registered/discipline:
1996/Civil Engineering
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Shires has over 25 years' experience planning, designing and managing infrastructure programs and individual projects. He has served as both a consultant and the Owner in the development of capital improvement programs and understands both perspectives in undertaking a program or project to meet the community's needs. Most recently he has served as the Project Manager for several wastewater improvement projects for the Cities of Mandeville, Kenner, New Orleans and St Tammany Parish.</p> <p>Previously, as the Engineering Director of Public Works for St. Tammany Parish and the Public Works Director of the City of New Orleans, he directed the implementation of projects, monitored project estimates and budgets, coordinated consultants on infrastructure projects and managed multimillion dollar infrastructure programs to minimize the impact on the residents of the community and also stayed within the dollars budgeted for the program or project.</p> <p>As a consulting engineer, he was responsible for assisting in the overall design, construction and management of the City of Kenner's \$20 million Project Blueprint program which overhauled major thoroughfares and residential streets in the City. Project Blueprint project included major upgrades and rehabilitation to the submersible and self-priming sewer lift stations.</p> <p>Mr. Shires' project management experience for Professional Engineering Consultants Corporation includes various projects as follows:</p>

TEC Professional Services Questionnaire

John H. Shires, PE (continued)

- **Consolidation of F8-4, F8-5 Lift Stations, Jefferson Parish, LA.** Project manager and design assistant in consolidating F8-4 and F8-5 sewer lift stations with re-design and build of new replacements to increase capacity. Includes traffic re-route during work, as well as gravity line re-location street panel demo and replace.
- **Wastewater Treatment System Consolidation Inter-Connections Phase 10, St. Tammany Parish Government.** Project Manager responsible for providing complete engineering design, plans and specifications, and construction administration to develop a new force main network redirecting wastewater from the Tallow Creek Wastewater Treatment Plant and Timber Branch No. 2 Wastewater Treatment Plant to the existing treatment facility currently owned and operated by Utilities, Inc. of Louisiana (UIL). The new force main network design consolidated the discharges from five existing pump stations.
- **Wastewater Treatment Plant Improvements; Treatment Tank #1, City of Covington, LA.** Project Manager responsible for the restoration and repairs of the Treatment Tank #1 at the City of Covington Wastewater Treatment Plant (WWTP), built in the 1990s. Scope of work included rehabilitation/replacement of various structural and mechanical parts of the tank. A construction sequence was developed in order to keep plant operational during construction. A major element of proposed work was developing a procedure for cleaning and removal of bio solids. Removal and transport to an approved DEQ disposal site was a prerequisite of the program as identified in the specifications.
- **Rehabilitation of Lift Stations No. 22, 23, 33, City of Mandeville, LA.** Project Manager responsible for the rehabilitation of three existing wastewater pumping stations including all new mechanical and electrical components including wet well restoration and a bypass pumping plan in order to provide uninterrupted sewer flow during construction.
- **Valuation of St. Tammany Utilities Water & Wastewater Systems.** Project Manager responsible for evaluating and preparation of assessment/inspection reports for 18 public water systems (consisting of 36 water well sites), 42 wastewater treatment plants and 281 sewerage lift stations in St. Tammany Parish. Inspection reports detailed tank capacities, approximate installation year, percent remaining service life and replacement costs. In addition, pumps, tanks, sheds and other equipment/infrastructure was detailed on the reports.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Bianca G. Hillhouse, PE Principal
Project Assignment:
Senior Project Engineer
Name of Firm with which associated:
 PEC PROFESSIONAL ENGINEERING CONSULTANTS
Years' experience with this Firm:
25 Years
Education: Degree(s)/Year/Specialization:
B.S./1996/Civil Engineering
Active registration: Year first registered/discipline:
2001/Civil Engineering
Other experience and qualifications relevant to the proposed Project:
<p>Ms. Hillhouse has been the Project Manager or Lead Design Engineer for numerous wastewater projects since coming to PEC in 1996. She has designed and rehabilitated hundreds of thousands of feet of gravity sewer lines, manholes, and force main lines in her career and is extremely familiar with Infiltration/Inflow reduction rehabilitation techniques and their constructability issues. Her expertise and experience includes CIPP lining, sewer point repairs, pipe bursting, manhole rehabilitation, and lateral line replacement in urban areas. She has led or managed numerous SSES programs investigating and evaluating the data from smoke testing, physical video inspections, flow isolation and dye water testing of lines for location of I/I leaks.</p> <p>Ms. Hillhouse has proven herself as an excellent wastewater Project Design Engineer as she has served in that capacity for PEC over the last 23 plus years on projects ranging in costs from hundreds of thousands to millions of dollars of construction.</p> <p><u>RELEVANT PROJECT EXPERIENCE:</u></p> <ul style="list-style-type: none">• Design Engineer and Project Manager for sewer line rehabilitation, pump station rehabilitation; new pump station required for growth areas, and a standby power generator and SCADA projects for the City of Zachary, LA. PEC supervised and analyzed the collection system data obtained from City-wide SSES investigations on over 200,000 linear feet of line and developed critical sewer rehabilitation phases for construction. The \$14.3 million project was funded through the DEQ SRF program.

TEC Professional Services Questionnaire

Bianca G. Hillhouse, PE (continued)

- **Bogalusa FY 2019 LCDBG SSES & Sewer Rehabilitation.** Design Engineer and Project Manager for a \$1M grant awarded by the state of Louisiana. This project was designed to replace/repair aged, defective and failing gravity sewer mains and service lines, as well as the associated manholes, pump stations and force mains, in the Target Area which have caused sewer backups, sinkholes and road failures. In order to accurately pinpoint the location of the required repairs to the sewer system, a Sanitary Sewer Evaluation & Survey (SSES) was conducted. A phased approach was undertaken including smoke testing, physical inspections and closed circuit televised (CCTV) in order to pin point required repair locations.
- Design Engineer for a **6.5 MGD pump station and parallel 24-inch and 12-inch force mains extending 18,500 L.F.** to convey wastewater treatment plant effluent to a power generating facility approximately 3.5 miles away in Washington Parish.
- Design Engineer for the preparation of Facility Plan; survey of system; permitting; final design and plan preparation for construction of improvements to the City of Bogalusa's wastewater collection and treatment system including rehabilitation of **50 pump stations throughout the City, a 15 mgd pump station at the treatment plant, a 3.5 mile long 24-inch force main, collection system rehabilitation, and a major expansion of the wastewater treatment plant.** The 24 inch force main had several jack and bores of major street intersections and railroad crossings.
- Design Engineer (and Project Manager during Construction) for the **East Baton Rouge City/Parish Pump Station 430** (Copper Mill) and 16" Force Main, which was constructed through a City of Zachary and City/Parish joint endeavor at a present capacity of 1.3 mgd and future capacity of 4.3 mgd. It is a major conveyance structure to deliver wastewater from that upper part of the Parish to the North Wastewater Treatment Plant. Unique characteristics of this project involved design challenges associated with pumping into a City/Parish force main network.
- Design Engineer for **8 submersible type pump stations** for Phase III Wastewater System Improvements for the City of St. Gabriel. Unique challenges of this design included modeling a force main network for all the pump stations.
- Design Engineer and Project Manager for **Sewer Pump Station Rehabilitation in St. Francisville, Louisiana.** The project included rehabilitation of 4 sewer pump stations (pump replacement, wet well coating, installing bypass pumping box, and miscellaneous mechanical, civil, and electrical improvements).
- Design Engineer and Project Manager responsible for increasing the capacity of the existing 300,000 gpd **extended aeration WWTP at the Westport Wastewater Treatment Plant in West Baton Rouge Parish** by designing a combined tertiary filter system for both facilities for the potential of more stringent permit limits in the foreseeable future.
- Project Engineer on the preparation of a **Comprehensive Sewer System Master Plan** for the Livingston Parish Sewer District Nos. 1 and 2. PEC was authorized to undertake the design, plan preparation, and construction administration for a 1.5 MGD design capacity treatment facility with bar screen, grit removal, oxidation ditch with turbine aerators, clarifiers, automatic backwash filter, and aerobic digester. Bia was a key team member in ensuring that all EPA and USACE environmental and administrative guidelines for this Sewer District were followed so that they could obtain funding for this much needed infrastructure project to handle growth in this area of the Parish. The project was considered one of the "State of the Art" small wastewater improvement projects at the time of its construction.
- **Madisonville Sewer Pump Station Upgrade.** Retrofitted 3 stations from trop mounted to submersible type with underground valve boxes.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
David A. Colson, P.E. Senior Design Engineer/Project Manager
Project Assignment:
Senior Design Engineer
Name of Firm with which associated:

Years' experience with this Firm:
30 Years
Education: Degree(s)/Year/Specialization:
B.S./1987/Civil Engineering
Active registration: Year first registered/discipline:
1995/Civil Engineering
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Colson has over 25 years of varied engineering experience with emphasis on wastewater collection, pumping and treatment systems design. He has led PEC's project efforts as either the Project Manager in charge or Lead Design Engineer for numerous wastewater improvement projects. Mr. Colson is also an experienced structural designer for both stormwater and wastewater pump stations. He is currently working alongside proposed Project Manager John Shires on three Jefferson Parish projects.</p> <p><u>RELEVANT PROJECT EXPERIENCE:</u></p> <ul style="list-style-type: none">• Design Engineer for the consolidation of two existing pump stations (F8-4,F8-5) for Jefferson Parish, LA. Project included complex traffic control, variable speed drive pumps and odor control due to proximity to neighborhood.• Design Engineer for over 20,000 L.F. of force mains from 8" to 42" for Foster-Hooper Road area as well as 12,000 L.F. of 24" force main to be installed in new ROW for 4-lane Hooper Road widening in East Baton Rouge Parish, LA.

TEC Professional Services Questionnaire

David A. Colson, PE (continued)

- Design Engineer and Project Manager for Forcemain and Gravity Line Improvements Project for a portion of the City of Baton Rouge/Parish of East Baton Rouge's sanitary sewer collection system. Approximately 17,120 linear feet (3.424 miles) of existing gravity sanitary sewer is proposed for upgrade to 18 inches to 42 inches in diameter. Also, approximately 1,000 linear feet (0.1894 mile) of existing 6-inch diameter sanitary forcemain is proposed for upgrade to 8-inch diameter forcemain.
- Design Engineer and Project Manager for the upgrade/expansion of the existing Carville Wastewater Treatment Facility in St. Gabriel, LA from 150,000 gpd to 250,000 gpd by the addition of a new "packaged" extended aeration wastewater treatment unit with sludge digester and chlorination tank. Ancillary units include duplex centrifugal blowers and chlorination/dechlorination equipment and piping. The project was funded through the LCDBG program.
- SSO Program Central Consolidated Pump Stations-Lead Design engineer for PEC on 9 pump stations and detailed mechanical, civil, structural design and quantity estimation, and permit coordination efforts for those stations that PEC was responsible for.
- Project Manager/Design Engineer for SSO North Gravity Basin Collection System Upgrade which included gravity upgrade of approximately 27,183 L.F. of new 8" dia. through 48" dia. gravity wastewater collection main for the City of Baton Rouge/Parish of East Baton Rouge. Included in the work are major FM tie-ins to existing pump stations 42 and 59, bypass pumping, and jack and bores of 27" and 48" diameter mains.
- Project Manager/Design Engineer for the O'Neal Lane City/Parish Gravity/Force Main Sewer Upgrade Improvements which includes the removal and replacement of over 30,000 L.F. of existing gravity sewer main with new 8" dia. through 24" diameter gravity sewer main and over 75,800 L.F. of 6 through 42 inch force main in highly urbanized areas of City. Mr. Colson is leading preparation of final plans and specifications.
- Drainage Engineer for the Airline Park Blvd. Rehabilitation in Jefferson Parish. Responsible for preparing plans and specifications for the construction of improvements to Airline Park Boulevard (500 Ft. North of Camphor to West Napoleon Ave). Major tasks of the project consist of the following items: removal of existing concrete roadway, re-grading of existing base material with additional base material, as necessary, replacement of concrete roadway, replacement of concrete aprons, installation of ADA ramps, adjustments to existing manholes, replacement of catch basins & laterals, replacement of a mainline drainage trunk line, and installation of a new 120 CFS pump station at the West Napoleon Avenue canal.
- Drainage Engineer for the Westwego No. 1 Pump Station in Jefferson Parish. Responsible for improvements to Westwego No. 1 pump station. Project requirements are to demolish and remove old pump station building, salvage old pump and drive engine, demolish and remove the pump operator building to foundation slab, vertical fuel tanks and ancillary piping, demolish and replace bar screens at bridge deck, install 100 cfs. Vertical axial flow/propeller pump, motor, and generator with fuel tank and connect station to Parish SCADA System, install pump discharge pipe to connect with existing and elevated walkway to access all generators.
- St. Gabriel –Hydraulic Expansion of Wastewater Treatment plant (Sunshine)
- Town of Maringouin – New Wastewater Collection and Treatment Plant
- St. Mary Parish Water and Sewer Commission No. 1 – upgrade pump station

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Kevin A. Gravois, P.E. Senior Vice President
Project Assignment:
QA/QC
Name of Firm with which associated:
 PEC PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION
Years' experience with this Firm:
39 Years
Education: Degree(s)/Year/Specialization:
B.S./1981/Agricultural Engineering
Active registration: Year first registered/discipline:
1987/Agricultural Engineering, 1993/Civil Engineering. 1993/Environmental Engineering
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Gravois has been employed with PEC for the past 39 years. He performs civil engineering project management and design for municipal clients. Mr. Gravois has experience in many infrastructure project areas with specific expertise in utilities design. His expertise does include excellent knowledge in the design of sanitary collection sewers, sewer pump stations and force mains.</p> <p>Mr. Gravois has also been involved with many utility relocation projects and the project management of projects during construction which has equipped him with a vast knowledge of practical constructability issues for large underground construction in urban areas.</p>

TEC Professional Services Questionnaire

Kevin A. Gravois, PE (continued)

RELEVANT PROJECT EXPERIENCE:

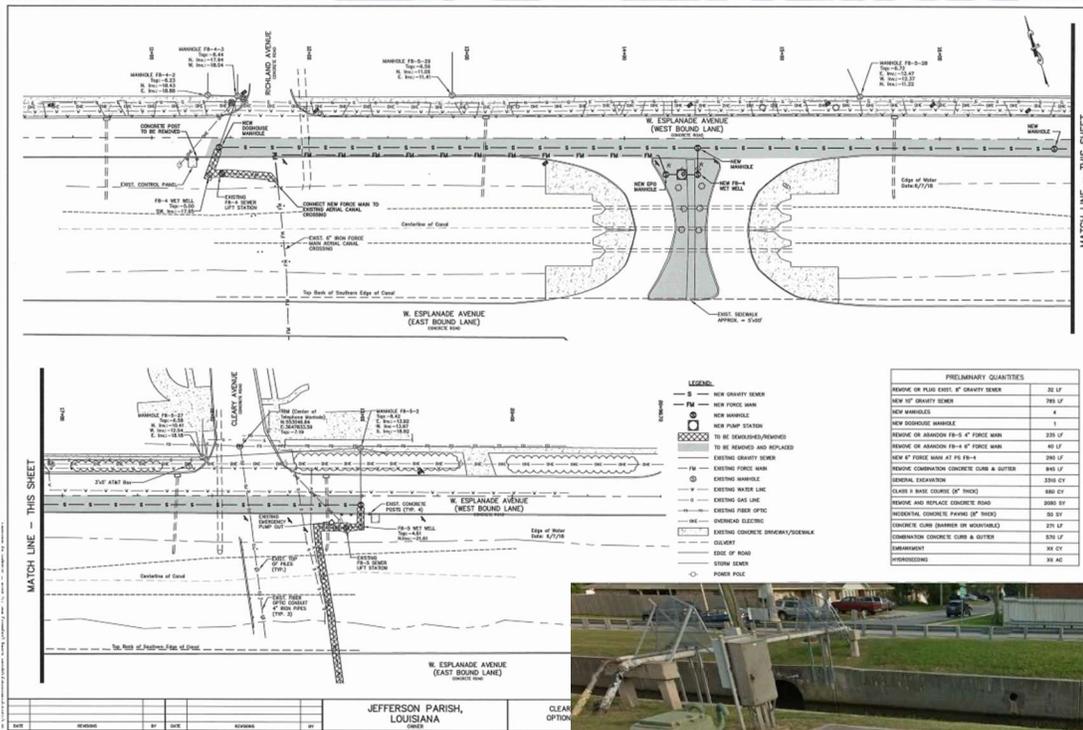
- **West Baton Rouge Parish – Lyndale Sewer Improvements.** Project Manager for the design of an 8" PVC gravity wastewater collection system including 6" PVC service lines, clean outs, connections to residential sewer service and abandonment of existing low pressure simplex pumps and low pressure force main network for residences.
- **West Baton Rouge Parish- LCDBG Sewer Improvements to Red Eye and Red Hat Lane.** Project Manager/Design Engineer responsible for project design, plan preparation and construction administration for the improvements to the sewer collection system which included 2 new pump stations and a new 8" gravity sewer main.
- **West Baton Rouge Parish – Lobdell Sewer Improvements.** Project Engineer responsible for the design of an 8", 10" and 12" gravity sewer system with 48" diameter concrete manholes, 6" wyes and service lines, roadway replacement, two (2) self-priming pumping stations, and the abandonment of existing septic tanks.
- **Town of Livonia – New Collection System.** Principal in Charge and Lead Design Engineer for wastewater collection system to serve Richfield Subdivision. Projects included 8" gravity collection lines and a new pump station and six inch force main.
- **Pointe Coupee Parish Police Jury – LA Hwy. 10 Utility Relocation.** Project Manager for the installation of a new 2" steel gas main and connections to an existing 2" steel gas main for the new LA Hwy 10 intersection at the new Mississippi River Bridge. Work also included the installation of a 4" PVC force main and the abandonment of a 4" and 10" force main.
- **City of Baker- Groom Road Utility Relocation.** Principal in Charge/Project Engineer responsible for relocating water and gas lines to the new ROW due to the widening of Groom road.
- **City of Baker- Hwy. 964 Utility Relocation (US Hwy-61 to Heck Young Road).** Principal in Charge/Project Engineer responsible for the installation of new water and gas system and the abandonment and or/ removal and disposal of existing water and gas systems in conjunction with DOTD roadway improvements along LA Hwy. No. 964.
- **Town of St. Francisville – US Hwy. 61 Gas, Water & Sewer Utility Relocation.** Principal in Charge/Project Engineer responsible for the design and plan preparation for the relocation of approximately 6 miles of water and gas lines.

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>Consolidation of F8-4, F8-5 Lift Stations</p> <p>Mr. Sid Trouard, P.E. Jefferson Parish (SCIP) Department of Sewerage 1221 Elmwood Park Boulevard Suite 906 (Yenni Building) Jefferson, LA 70123 504-736-638d</p>	<p>Prepare preliminary engineering report, plans and specifications for project to increase capacity. Parish accepted recommended solution of consolidating existing F8-4 and F8-5 lift stations with a single replacement. Project included hydraulic analysis, new submersible duplex lift station, new structure, decommission and removal of old equipment, complex traffic re-route during work, odor control, as well as gravity line re-location, street panel demo and replacement, and variable speed drive pumps.</p>	
<p>Completion Date (Actual or estimated):</p> <p>December 2021 (A) Design</p>	Estimated Cost:	
	<p>Entire Project:</p> <p>\$2.4 Million Construction</p>	<p>Work for which Firm was Responsible:</p> <p>90%</p>



*Preliminary for recommended option:
consolidation of F8-4 and F8-5*

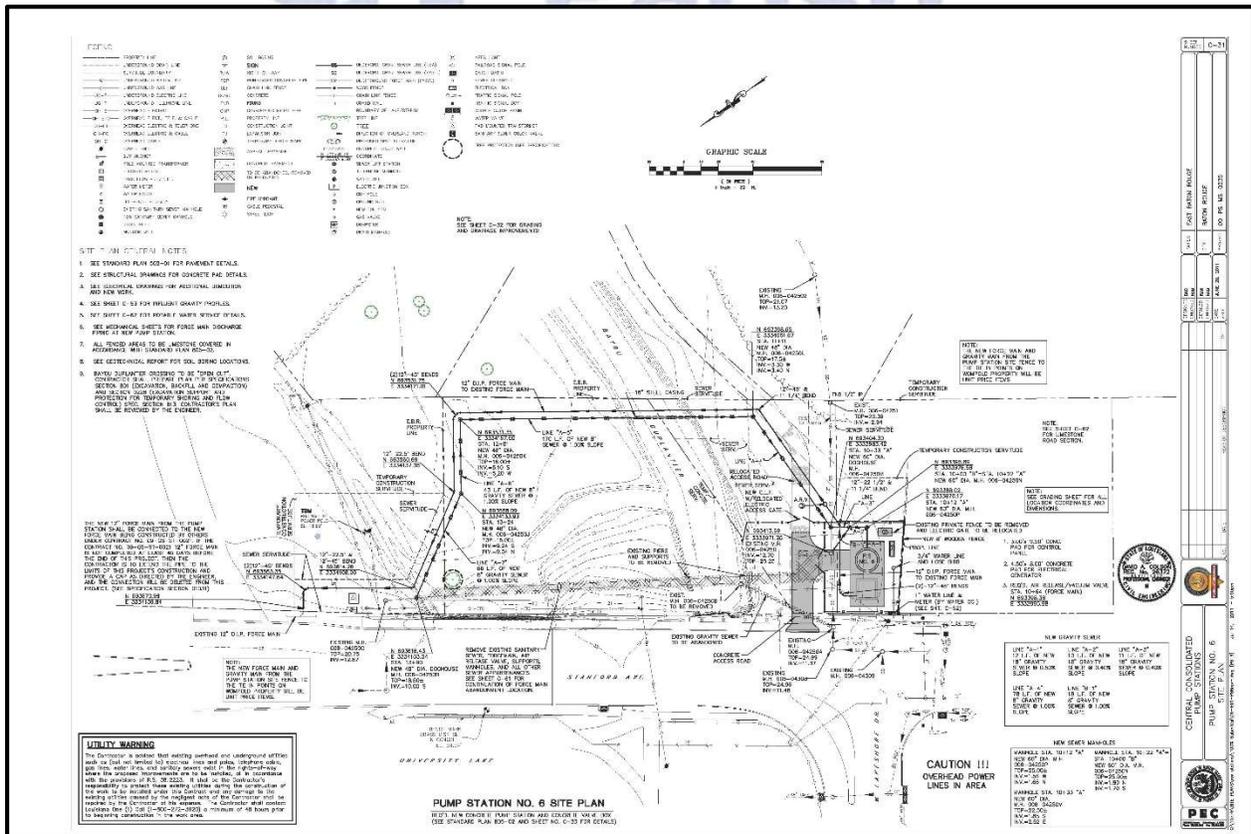


TEC Professional Services Questionnaire

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Sanitary Sewer Collection Improvements- Zachary, LA</p> <p>David Amrhein, Mayor City of Zachary P.O. Box 310 Zachary, LA 70791 225.654.0287</p>	<p>PEC was retained to prepare a Sewer Master Plan and Environmental Information Document (EID) for the City to assist in the future planning requirements and based on the recommendations of the plan, prepare design documents to upgrade and rehabilitate the entire wastewater collection system. Projects were broken down into two basic categories, collection line construction and rehabilitation and pump station improvements.</p> <p>Contract 1: Construction Cost - \$2,335,011.12, Completed Dec. 2012 Design and construction administration for a new gravity sewer collection system consisting of gravity sewer mains and manholes along road right-of-ways and transferring customer service lines from back servitude lines (to be abandoned in place) to the newly constructed mains. Some services relocated to existing mains. (Portions of customer service lines constructed within private property). Also included sewer rehabilitation consisting of point repairs and cured in place pipe.</p> <p>Contract 2: Construction Cost- \$470,425, Completed Aug. 2013 Design and construction administration for a sewer rehab project consisting of point repairs and cured in place pipe; manhole lining/repairs and replacement.</p> <p>Contract 3: Construction Cost- \$4,130,000, Completed July 2014 Design and construction administration for the rehabilitation of the existing collection system, installation of new sewer lines (8" and 10"), service line repair (4" and 6"), manholes, improvements to six (6) pump stations, abandoning 23 existing pump stations, culvert removal and replacement.</p> <p>Contract 4: Design Only Design of the Mills Point new sewer collection system and pump station to retrofit individual "modad" system for a local subdivision.</p> <p>Contract 5: Construction Cost- \$1,220,187, Completed Dec. 2014 Design and construction administration for the rehabilitation of the sewer collection and pump station in the St. Louis Pump Station Basin No. 1 and Oak Alley Pump Station and Force Main Relocation. Work included pump station replacement, 8" sewer pipe repair, service line repair, manholes and TV & smoke texting.</p> <p>Contract 6: Construction Cost - \$1,436,945. Completed April 2016 Design and construction administration for the rehabilitation of the sewer collection system by performing point repairs and installing cured-in-place liners on remaining City basins not covered under previous contracts.</p> <p>Contract 7: Construction Cost - \$1,000,000 (est.), In Construction Pump station rehabilitation, installation of generators and SCADA system.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Nov, 2017 (A) Construction	\$14.3 Million Construction	100%

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Central Consolidation Pump Stations Pump Stations 2,3,4,5,6,7,10 and 91 (South Downs) East Baton Rouge Parish, LA</p> <p>East Baton Rouge Parish P.O. Box 1471 Baton Rouge, LA 70821 225.389.3000</p>	<p>As a sub-consultant, PEC was responsible for project design, plan preparation and construction administration for the replacement of 8 existing dry pit and submersible sewer pump stations and one new sewer pump station with pump stations ranging in size from 1.7 MGD to 46 MGD including new standby generators. All but 1 station had variable speed motors and 4 stations included electrical control buildings. Project includes 2,075 lf of sewer force main, 12" to 36" diameter with over 1,100 lf of directional drill of 12" sewer force main.</p> <p>One of the key elements of the project was the abandonment, closure and removal of the existing pump stations at 9 of these sites. The team had to keep existing stations in operation as flows were transferred to the new stations. Most of the existing stations had pump station structures, pumps and electrical controls that were abandoned, removed or salvaged.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2015 (A) Construction	\$13 Million Construction	100%



TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Rehabilitation of Lift Station No. 22, Lift Station No. 23 and Lift Station No. 33 Mandeville, LA Courtney Dickerson, P.E. City of Mandeville 1011 N. Causeway Blvd., Suite 19 Mandeville, LA 70471 985.624.5001	The City of Mandeville contracted PEC to design the rehabilitation of three lift stations. (Lift Station No. 22, Lift Station No. 23, and Lift Station No. 33). Construction included the replacement of electrical service and control panels; discharge piping between pumps and valve pit, pumps, motors, and suction piping. Construction will also include new wet well coating, new pumps, rails, structural modifications, controls, bypass pumping, tie-in to existing force main, and site restoration. Work was designed so that flows would be uninterrupted during construction.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2016 (A) Construction	\$680,000	100%



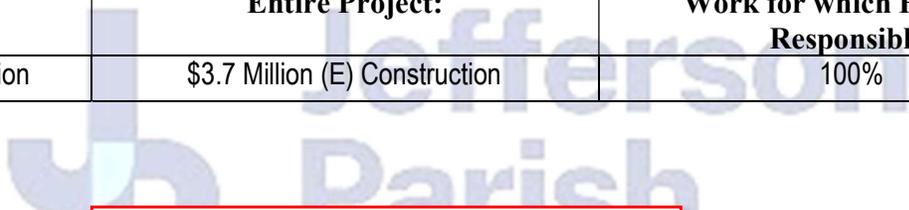
TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>New Wastewater Treatment Facility & Intermediate Pump Station Plaquemine, LA</p> <p>Edwin Reeves, Mayor City of Plaquemine P.O. Box 675 Plaquemine, LA 70765 225.687.3116</p>	<p>PEC was retained by the City of Plaquemine to design a new 2.0 mgd (8.0 mgd peak) wastewater treatment plant (WWTP) and effluent pump station and force main to divert effluent from the old WWTP to the Mississippi River in lieu of its present discharge to Bayou Plaquemine. The firm performed site investigations and selection of site, environmental reviews, ROW acquisitions, and a preliminary engineering report to define the system components.</p> <p>The new facility will consist of the following major components:</p> <ul style="list-style-type: none"> Headworks- consisting of screening and grit removal equipment as well as solids/grit dewatering equipment Aeration Basins: a three channel activated sludge aeration basins Clarifiers: two clarifiers complete with weirs and sludge collection/removal equipment Return Activated Sludge (RAS) System: pumping station to control return activated sludge and waste sludge as necessary Chlorination Basins/Equipment: concrete basins with disinfection equipment and flow measurement and sampling equipment Effluent Pump Station- pump station which will pump effluent thru existing force main to Mississippi River outfall Sludge Digestion/Basin: concrete basin to store and digest sludge prior to ultimate disposal Operations/Administration/Lab Building: multi use building for controlling and administering plant operations as well as running some lab tests for process optimization <p>A new raw pump station (located at the existing to be abandoned plant), with the same 8 MGD capacity, will be constructed at the old plant site to transfer flows to the new treatment plant. The pump station will use one of the old sewage plant basins as the new wet well for the pump station. The old force main was rerouted into the new treatment plant.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2016 (A) Construction	\$12.2 Million Construction	100%



TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Lobdell Sewer Improvements West Baton Rouge Parish, LA Riley Berthelot, Parish President West Baton Rouge Parish 880 North Alexander Avenue Port Allen, LA 70767 225.383.4755	PEC was retained to design 8", 10" and 12" gravity sewer system with 48" diameter concrete manholes, 6" wyes and service lines, roadway replacement, two (2) self-priming pumping stations, the abandonment of existing septic tanks, connection to house sewer piping and includes all associated appurtenances.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Oct. 2017 (A) Construction	\$3.7 Million (E) Construction	100%



Construction of Lobdell Sewer Improvements



TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Delta and Carville Wastewater Treatment Plant New Effluent Force Main and Pump Station St. Gabriel, LA</p> <p>Bianca Hillhouse, P.E.</p> <p>City of St. Gabriel Lionel Johnson, Jr. 225.642.9600</p>	<p>Project: Bring the City of St. Gabriel's Carville and Delta Wastewater Treatment Plants into compliance with updated DEQ requirements.</p> <p>Design Considerations (Delta): Improvements of the Delta WWTP required new, 800 gpm capacity submersible effluent pump station and approximately 6,625 L.F. (8" Dia. PVC/10" Dia. HDPE) force main to tie into Hunt Correctional's existing 12" Sewer Effluent Force Main discharging to the Mississippi River.</p> <p>Specific site issue: Increased head conditions at the Hunt Pump Station required coordination with the State Department of Corrections, and the design and construction of an upgrade to their self-primer, 1,000 gpm effluent pump station.</p> <p>Cost of this portion of the project, including the modifications to Hunt's pump station, the new force main, and the effluent pump station is \$1.7 million</p> <p>Design Considerations (Carville): Improvement to the Carville WWTP required design and construction of a new 600 gpm capacity submersible effluent pump station and approximately 9,050 L.F. (8" Dia. PVC/10" Dia. HDPE) force main. The FM then tied into Olin Chlor Alkali Product's existing 20" Force Main discharging to the Mississippi River.</p> <p>Cost for this portion of the project, including the new force main, and the effluent pump station is \$1.3 million.</p> <p>We also coordinated and assisted the City of St Gabriel in securing a Louisiana Department of Environmental Quality State Revolving Loan to fund the project.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Dec 2020 (A) Construction	\$ 3 Million Construction	80 %



Location of Carville Force Main, one of two WWTP's in this upgrade project, St. Gabriel

TEC Professional Services Questionnaire

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
FY2010 Carville Wastewater Treatment Plant Improvements St. Gabriel, LA Lionel Johnson, Mayor City of St. Gabriel, LA P.O. Box 597 St. Gabriel, LA 70776 225.642.9600	PEC was responsible for the upgrade/expansion of the existing Carville Wastewater Treatment Facility from 150,000 gpd to 250,000 gpd by the addition of a new "packaged" extended aeration wastewater treatment unit with sludge digester and chlorination tank. Ancillary units include duplex centrifugal blowers and chlorination/dechlorination equipment and piping. The project was funded through the LCDBG program.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2012 (A) Construction	\$904,000 Construction	100%



TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Sanitary Sewer Upgrades, Foster Road-Hooper Road Sewer Area Upgrades; North Service Area Baton Rouge, LA</p> <p>Adam Smith, P.E. East Baton Rouge City/Parish P.O. Box 1471 Baton Rouge, LA 70821 225.389.3158</p>	<p>PEC was retained by the City of Baton Rouge/Parish of East Baton Rouge to provide wastewater consulting design services for the project area entitled North Force Main Capacity Improvement Program. This project is part of the Baton Rouge SSO Program being implemented under the Consent Degree with EPA. The primary purpose of the respective project was to increase the capacity of the force main system along Foster Road and Hooper Road.</p> <p>PEC designed 20,000 linear feet of force main. The firm designed replacement force main lines ranging in sizes from 8 inch to over 42 inch lines. There was extensive directional drilling along the route required for crossing the Comite River and other complex traffic areas. The project required several project interfaces and coordination with existing pump stations being upgraded in the program by other consultants.</p> <p>The project included a 42 inch HDPE directional drill of the Comite River and 19,000 feet of 24 inch force main</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2003 (A) Design	\$8.8 Million Construction	100%



TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Main Wastewater Pump Station Rehabilitation St. John Parish, LA</p> <p>Jaclyn Hotard, President 1801 W. Airline Highway LaPlace, LA 70068 985.652.9569</p>	<p>PEC was retained by St. John the Baptist Parish to completely rehabilitate the main wastewater lift station. Including removing and replacing existing submersible and self-priming pumps with five new self-priming pumps each capable of pumping 2500 gpm. Project also included sophisticated bypass plan, concrete rehabilitation, a variable frequency drive control system.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2020 (A)	\$1.2 Million	90%



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island

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case
Plaintiff:	Defendant:	
1. NONE	 NONE	 NONE
2.		
3.		
4.		



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.

1. PROFESSIONAL TRAINING AND EXPERIENCE

For more than 50 years, Professional Engineering Consultants Corporation (PEC), has provided wastewater design services to both small and large communities.

In the last five years, We have designed more than 100 wastewater pump stations replacements or rehabilitations, 20 treatment plant projects and over 1,000,000 linear feet of new or rehabilitated gravity sewer and force mains. PEC has nine (9) licensed professional civil engineers who have from 15-45 years of design experience.



Scopes of work similar to this project's requirements:

- **Complete collection rehabilitation projects** (such as City of Zachary) that included pipeline replacement, lining, pipe bursting, manhole lining and replacements and pump station rehabilitation. Staff is intimately familiar with all state of the art rehabilitation techniques.
- Design of all types of **wastewater treatment facilities**, from simple three cell oxidation ponds to complex activated sludge plants with tertiary filtration.
- **Hydraulic Analysis of Existing Pump Station Flows** to determine required upgrades to eliminate sanitary sewer overflows, whereas forming hydraulic calculations included field measurements, analyzing flow monitoring and sanitary sewer evaluation & survey (SSES) data.
- **Force Main Routing & Hydraulic Analysis** for a variety of system conditions which required system curve calculations & pump curve selections to best fit the project.
- **Construction Administration and inspection services** across all types of wastewater project installations, configurations, and environmental conditions, including coordination with the Owner and Contractor to continue operations during the construction process, and proper contractor close out and acceptance of completeness and operability.

As stated, one of our core competences is wastewater planning and design services. **Our firm uses the same engineering staff to focus and specialize on the elements of wastewater design** so our key personnel are totally knowledgeable of the latest technology and equipment services available for wastewater facilities. Key strengths of our wastewater team are:

- Our staff for this project has a long history of providing wastewater design services-including but not limited to, civil site, new and rehabilitated collection systems, pump stations, utility relocations, coordination with local utilities, impact on existing community and services, surveying and property plat preparation, and necessary permits for constructions, with key agencies such as DOTD, DEQ, EPA, COE, etc.

For at least the last 10 years, we have **averaged annually a minimum of 15 new wastewater projects** that met DHH requirements in order to be approved for construction. In the last 10 years this represents over 150 projects that met Louisiana DHH and/or Louisiana DEQ/EPA permitting and plan review requirements. We prepare all wastewater plans and specifications to ensure compliance with established Codes, procedures and policies, design criteria, and regulatory guidelines. Because of the volume of work PEC does in the wastewater field for its large base of municipal community clients. Our wastewater Engineers have established a clear understanding of DHH, DEQ and EPA requirements for preparation of plans and specifications. Prior to our submission of plans to Louisiana DHH, we conduct a constructability and compliance review for required design criteria, and potential conflicts with code compliance.

2. CAPACITY FOR THE TIMELY COMPLETION

Staffing Capacity/Current Workload

We have the necessary in-house personnel available for undertaking and implementing any projects as soon as the Parish authorizes it. We can commit whatever staff is necessary to ensure timely completion.

- Our work load is at a level in which we have excellent capacity to complete this project in the requested timeframe.
- Key staff for this project have a long history (over 40 years) of providing engineering and administrative service

TEC Professional Services Questionnaire

N. continued.

- We have more than 30 technical and administrative personnel of which 8 are PE's and 3 are Engineering Interns. We also have a grant administrator who stays current on all guidelines and requirements and can assist you as needed on grant related projects.

Quality Control/Meeting Deadlines

Meeting deadlines and project milestones is one of the key reasons for our high client retention. A key to timely completion of work is having:

- coordination with the client to obtain critical background information and input related to the client's needs and project objectives.
- experienced project managers that understand the tasks required
- technical and administrative resources available to meet the project requirements

We have the professional, technical, and administrative staff and dedication to meet schedules and deadlines imposed by its clients or governmental agencies. The firm has a bi-weekly staff meeting with key personnel to:

- check on project progress with respects to meeting the contract deadlines
- address any need for additional resources
- review key design decisions or project concerns
- distribute appropriate work elements to appropriate staff

We will maintain **continuous communication with you** to inform you of project status and any concerns related to meeting the project schedule both in design and in construction.



3. LOCATION OF PRINCIPAL OFFICE WHERE WORK IS TO BE PERFORMED

Work Location:

We will be performing the work for this project from our office located in Metairie, at 433 Metairie Road, Suite 313, Metairie, LA 70005. We also have offices in Baton Rouge (main office) and New Orleans, LA. Mr. John Shires, our proposed Project Manager for this project lives in the Metro New Orleans area. Mr. Shires is available to discuss project progress and any concerns.

Local Knowledge:

We have recently worked with you on three projects. 1.) Airline Park Boulevard Rehabilitation and Drainage Improvements; 2.) Leo Kerner Bike Path; and 3) Pump Station Improvements to Westwego No. 1 Pumping Station. PEC has also completed wastewater and water projects in several Jefferson Parish communities. We have senior employees who worked extensively (while at other firms) on several of the Parish's major improvement programs. John Shires, P.E. has Drainage Master Planning experience in the Parish.

4. ADVERSARIAL LEGAL PROCEEDINGS WITH JEFFERSON PARISH

We have had no legal proceedings, time delays, cost overruns, or design inadequacies experienced on past or current projects for Jefferson Parish.



TEC Professional Services Questionnaire

N. continued.

5. PRIOR SUCCESSFUL COMPLETION OF PROJECTS

We have an outstanding track record in the design of sewer that meet the needs of this RFQ.

We have been successful in meeting the budget, time frame of completion, and quality of the operations and performance for you and our other clients. We pride ourselves on repeat business and client retention. We are presently recognized by many of our clients as their engineers of record or, one of its "go to" consultants. As a result of its dedication to quality, we have enjoyed a stable and continuous growth and have become recognized throughout the State of Louisiana for our expertise in all phases of public works planning and development.

6. SIZE OF FIRM RELATED TO NUMBER OF PERSONNEL TO MEET PROJECT REQUIREMENTS

We will assemble an experienced multi-disciplined **project team to meet the size, time schedule, and scope of the project.** A project manager will be your point of contact and will ensure the team meets milestones, scheduled completion dates, and the project's proposed design and construction budget. The Project Manager will coordinate with you to ensure responsiveness and clear communications, cornerstones of our project management approach.

We have the **necessary in-house personnel available** for undertaking and implementing this project as soon as the Parish authorizes it. We can commit whatever wastewater staff is necessary to ensure proper project evaluation, project design, drafting of technical plans, development of technical specifications & construction administration.

7. PAST PERFORMANCE BY THE PERSONS AND FIRM ON SIMILAR PROJECTS

PEC's staff is familiar with Jefferson Parish projects. We currently have five projects with the Parish: 1) Manhattan Blvd Widening - southbound, 2) Bike Path along Leo Kerner Parkway, 3) Destrehan Bike Path, 4) Nicolle Blvd. Bike Path and 5) Consolidation of F8-4, F8-5 Sewer Lift Stations.

Key Staff Personnel Experience with Similar or Other Projects Comparable to the Proposed Project

- **John Shires, PE**, will serve as the Parish Liaison and Project Manager. He will be supported by PEC's appropriate planning and design personnel for this specific project. Mr. Shires has led and managed numerous public works projects in his former roles as DPW and Chief Engineer for the City of New Orleans and St. Tammany Parish. He will ensure the Parish staff is aware of all activities and progress on this project and all design, budget, and schedule goals are met.
- **Tony Arikol, PE**, who is to be the PEC Principal In Charge, has been involved in collection system projects exceeding 500,000 linear feet of rehabilitation, pump stations up to 70 mgd and force mains up to 42 inches. He will allocate all resources necessary to complete this project successfully.
- **Bianca Hillhouse, PE**, has been involved with over 20 major pump station designs and associated force main designs in the last five years. Additionally, Ms. Hillhouse has performed over 10 sewer rehabilitation projects over the last five years comprising of over 300,000 l.f. of rehabilitated lines.
- **David Colson, PE**, has recently led the design of the replacement of 9 major pump stations in the East Baton Rouge Parish SSO program including all aspects of replacement design of the existing stations. He also has in-depth experience in designing gravity and force main lines (ranging sizes up to 42 inches) having completed recent urban projects with tens of thousands of feet of each.



TEC Professional Services Questionnaire

N. continued.

Recent Firm Experience with Similar or Other Projects Comparable to the Proposed Projects

- Sanitary Sewer Collection Improvements, City of Zachary. Construction Cost of \$14.3 Million.
- Central Consolidated Pump Stations (Pump Stations 2,3,4,5,6,7,10 and 91), East Baton Rouge Parish. Construction Cost of \$13 Million.
- Rehabilitation of Lift Station No. 22, 23, and 33, City of Mandeville, LA. Construction Cost of \$680,000.
- New Wastewater Treatment Facility & Intermediate Pump Station, City of Plaquemine, LA. Construction Cost of \$12.2 Million.
- Hurricane Gustav/Ike Disaster Recovery Lobdell Sewer Improvements, West Baton Rouge Parish, LA. Construction Cost of \$4.3 Million.
- Wastewater Treatment System Consolidation Inter-Connections Phase 10, St. Tammany Parish, LA. Construction Cost of \$1.2 Million.
- LCDBG Carville Wastewater Treatment Plant Improvements, City of S. Gabriel, LA. Construction Cost of \$904,000.0
- Sanitary Sewer Upgrades, Foster Road – Hooper Road Sewer Area Upgrades – North Service Area, City/Parish of East Baton Rouge. Construction Cost of \$ 8.8 Million.
- O'Neal Lane Area Force Main & Gravity Improvements, City/Parish of East Baton Rouge. Construction Cost of \$19 Million.

Capability to Complete Projects without having Major Construction Cost Escalations/Overruns

We have a proven track record with our clients for completing projects without having major construction cost escalations or overruns. Our **success in minimizing cost overruns and escalations** starts with preparing complete designs for the scope of work, from the initial bidding of the project throughout the project's construction. We specialize in public **infrastructure design and are continuously preparing plans, specifications, construction documents and construction cost estimates** for public bid averaging from 75 to 150 bid openings per year.

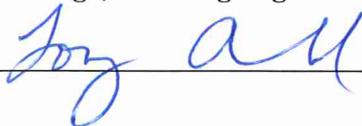
Quality of Projects Previously Undertaken

It is PEC's striving for excellence and dedication that guarantees quality projects. PEC believes a quality project involves the following:

- **Understanding** the client's needs and intent
- Preparing a project that **meets the financial capabilities** and desires of the project.
- Providing **responsive and accurate information** to the owner during the project's development
- At completion of construction, the **project is what the client expected.**

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

Signature: _____



Print Name: Tony Arikol, P.E.

Title: President _____

Date: _____

3/23/22