

2022 PROFESSIONAL SERVICES

REQUEST FOR QUALIFICATIONS

Routine Engineering Services for Sewer Projects

SOQ #22-010

Resolution No. 138812

PREPARED FOR



FAIRWAY
CONSULTING + ENGINEERING

COMPANY

Fairway Consulting + Engineering, LLC | Tax ID: 82-1160189
403 N. Jefferson Ave. | Covington, LA 70433
Phone: 504.234.1556 | Email: info@fairwayce.com

CONTACT

John A. Catalanotto, PE, PMP | President
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TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Sewer Projects | SOQ 22-010

Resolution No. 138812

B. Firm Name & Address:



FAIRWAY

CONSULTING + ENGINEERING

Fairway Consulting and Engineering, LLC
403 N. Jefferson Ave.
Covington, LA 70433

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:

John Catalanotto, PE, PMP - President

Louisiana Professional Engineering License No. 33918, 2008

john.catalanotto@fairwayce.com

504-234-1556

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 Catalanotto, PE, PMP

Louisiana Professional Engineering License No. 33918, 2008

john.catalanotto@fairwayce.com

504-234-1556

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

<u>1</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u>1</u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u>1</u> Civil Engineers	<u> </u> Interior Designers	<u>1</u> Project Managers
<u> </u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u>1</u> Electrical Engineers	<u>1</u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u>1</u> Engineer Intern	<u> </u> Environmental Engineers	
<u> </u> Professional Land Surveyors	<u>1</u> Drafter	<u>8</u> TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES

NO

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. N/A

2.

H. Has this JOINT-VENTURE previously worked together? Please check:

YES NO

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.		
2.		
3.		

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

Fairway Consulting and Engineering support personnel will be assigned upon review of any project assigned under this Routine Engineering Services contract. Please refer to Section N of this SOQ for a tentative listing of resources proposed.

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

John Catalanotto, PE, PMP | President

Project Assignment:

Project Manager

Name of Firm with which associated:



Years' experience with this Firm:

4 (19 Total)

Education: Degree(s)/Year/Specialization:

BS | 2003 | Civil Engineering

Active registration: Year first registered/discipline:

**2008 | Louisiana Professional Engineering License No. 33918 (Civil)
Project Management Professional – Project Management Institute**

Other experience and qualifications relevant to the proposed Project:

Mr. John Catalanotto has nearly twenty (20) years of experience in project management, detailed design, construction management, and field operations. Throughout his career, Mr. Catalanotto has fulfilled the role of Principal-in-Charge, Project Manager, and Project Engineer, and Lead Engineer for numerous civil, structural, environmental (wet infrastructure – water & wastewater), roadway, and oil and gas projects with capital costs ranging from \$10,000 to \$2.3 billion. Mr. Catalanotto has expertise with providing consulting services for both private and public (State, Local, Federal) agencies, the majority of which are within southeast Louisiana, and on the Northshore of Lake Pontchartrain. Most notably within the wet infrastructure sector, Mr. Catalanotto has executed projects to rehabilitate thousands of feet of sewage collection system pipelines and water distribution system extensions, renewal, and replacements. Mr. Catalanotto has also developed designs to rehabilitate more than forty (40) sewage pump stations. He has performed evaluations and designed expansions to water and wastewater treatment plants ranging in size from 3 MGD to 200 MGD.

TEC Professional Services Questionnaire

Principal in Charge/Project Manager | Town Center Water Well, Slidell, LA

Mr. Catalanotto is the Principal in Charge and Project Manager for the project that involves providing design, bidding, construction administration, record drawing and supplemental services for a new water well in the Town Center area of Slidell. The proposed water well is anticipated to have a bore hole depth of approximately 2,500 feet deep with a well pump capacity of 1,500 gpm and a 100 hp motor. Additional project components include site development for a 100-ft by 100-ft site including preparation of paving, grading, and drainage plans; development of 1,000 feet of access road; multi discipline engineering and design of the water well, chemical feed (chlorine and corrosion inhibitor) systems; design of 1,500 feet of 12-inch/16-inch water main installed by both open cut and horizontal directional drill techniques, design of two on-site buildings used for well pump support equipment (electrical and chemical feed) and bulk chlorine storage, and design of a diesel emergency generator.

Project Manager | Evaluation and Preliminary Design of Northshore Mall Area Sanitary Sewage Pumping Stations, Slidell, LA

Mr. Catalanotto served as a Project Manager/Engineer for the evaluation of five (5) sanitary sewage pumping stations in the Northshore Mall Area of Slidell, Louisiana. The evaluation phase of the project consisted of the evaluation of both above ground self-priming and submersible type pump stations. Specific tasks completed by Mr. Catalanotto during this phase of the project included an assessment of the gravity sewer system, as well as drawdown testing at each pumping station. The final design phase of this project included the detailed design of two (2) of the five (5) sewage pump stations evaluated, as well as the detailed design of a 6-inch sewage force main totaling approximately 1,300 linear feet. Mr. Catalanotto performed the Civil and Mechanical discipline detailed designs, as well as management of the electrical sub-consultant for this project.

Project Manager | Improvements at the East Bank Water Treatment Plant, Jefferson Parish, LA

Mr. Catalanotto served as Project Manager for the design of improvements at the East Bank Water Treatment Plant. Improvements consisted of a 40 MGD expansion to the existing plant. The project included the below process areas:

- Flash Mix Expansion; Solids Contact Upflow Clarifier Flocculation/Sedimentation Basins (6 Basins); Dual Media Filters (10 basins); Clearwell (1.5 MGD); Transfer Pump Station (10 MGD); High Service Pump Station (20 MGD); Waste Washwater Equalization Basin and Pump Station (750,000 MGD); Backwash Pump Station; Bulk Chemical Storage; Chemical Feed Building; Chemistry/Bacteriological Laboratory (10,000 SF)

Also included in the project is the rehabilitation of two (2) raw water intake pump stations. Improvements consisted of replacing existing vertical turbine pumps, valves, electrical equipment, as well as minor structural improvements. Project capital cost is estimated at between \$90 million and \$150 million.

Project Engineer | South WWTP Wet Weather Phase II Improvements, City of Baton Rouge/Parish of East Baton Rouge, LA

Mr. Catalanotto served as a project engineer and lead pipeline engineer for the project which included an expansion of the South WWTP from 120 MDG to 200 MGD. Mr. Catalanotto was responsible for designing the liquids and solids process yard piping for the project. Yard piping included both ductile iron and welded steel and ranged in size in size from 8-inch diameter to 92- inches in diameter. Designing the yard piping for this project required close coordination and management of a global team project subconsultants and resources. Mr. Catalanotto played a significant role with interdiscipline coordination for the overall project and also oversaw the design of a new 5.0 MGD non-potable water pump station, and improvements to the non-potable water distribution system within the site. He assisted with coordination with federal agencies consisting of the FEMA and the USACE.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Dustin Silbernagel, PE
Project Assignment:
Lead Civil Engineer
Name of Firm with which associated:
 FAIRWAY CONSULTING + ENGINEERING
Years' experience with this Firm:
3 (18 Total)
Education: Degree(s)/Year/Specialization:
BS 2013 Civil Engineering AD 2003 Industrial Technology
Active registration: Year first registered/discipline:
2017 Louisiana Professional Engineering License No. 41909 (Civil)
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Silbernagel has over seventeen (17) years of experience the majority of which is in St. Tammany Parish. Over this timeframe he's fulfilled the role of project manager, lead civil engineer, and lead designer for a wide range of residential and commercial developments within St. Tammany Parish. In these roles, he's designed numerous roadways, drainage systems (open ditch, subsurface, ponds), and utility systems.</p> <p>Associate Civil Engineer Town Center Water Well, Slidell, LA Mr. Silbernagel is the associate Civil Engineer for the project that involves providing design, bidding, construction administration, record drawing and supplemental services for a new water well in the Town Center area of Slidell. In this role, Mr. Silbernagel developed the site civil design (paving, grading, drainage) for the 100 ft by 100 ft well site, designed 1,000 feet of access road, and 1,500 feet of 12 in. and 16 in. water main including a portion that crossed interstate 10. Mr. Silbernagel will also assist with permitting the project through Louisiana Department of Health (LDH) and the Department of Transportation and Development (DOTD).</p> <p>Lead Civil Engineer Dynamic Physical Therapy Renovation Site Civil Engineering Greenleaf-Lawson Architects, Westwego, Louisiana Mr. Silbernagel is the Lead Civil Engineer for the project which included the development of an</p>

TEC Professional Services Questionnaire

approximately 1.0-acre site located within incorporated Westwego, Louisiana. The project includes the buildout/retrofit of an existing 9,150 square foot pre-engineered metal building for a physical therapy clinic. The site civil design included development of the site plan, grading and drainage, utility, and erosion control drawings. The plan included the design of a new parking lot and roadway for vehicular patient drop off. The drainage on site was designed with significant consideration given to maintaining existing overland sheet flow while minimizing the use of subsurface drainage pipe. Given the use of the building, Americans with Disabilities Act (ADA) considerations had to be carefully reviewed and incorporated into the design.

Lead Civil Engineer | St. Tammany Parish Mosquito Abatement Facility Expansion | St. Tammany Parish Mosquito Abatement, Slidell, LA

Mr. Silbernagel is the lead civil engineer responsible for civil improvements associated with an expansion of the St. Tammany Parish Mosquito Abatement facility located off Airport Road in Slidell, Louisiana. In this role, Mr. Silbernagel designed all site civil improvements for the 3-acre site inclusive of paving, grading, drainage, and utilities. The improvements are required in order to accommodate the construction of a new 27,000 square foot truck garage, and an expansion to an existing building. Drainage improvements are anticipated to include new subsurface infrastructure as well as an expansion of the existing on-site detention pond. Drainage design criteria include reducing pre-developed versus post-developed site by 25% for a 2- and 24-hour duration for a 10, 25, 50, and 100-year storm event.

Lead CAD Designer | Fremaux Town Center | Stirling Properties, Slidell, Louisiana

Mr. Silbernagel fulfilled various roles consisting of lead CAD designer, assistant project manager, and project manager for the development of the 350-acre mixed-use Fremaux Town Center Development. The development includes 640,000 square feet of retail shops. The site and design was developed into two phases. Mr. Silbernagel's responsibilities included design of modifications to two (2) existing roundabouts and the design of two (2) new 1-lane roundabouts. Mr. Silbernagel was responsible for the lot layout, design of asphalt with concrete curb parking lots. He also assisted in the design of the subsurface drainage infrastructure and water quality storage ponds. The water quality ponds allow filtering of the first ½-inch of storm water during a rain event. Design criteria for the pond included reducing pre-developed versus post-developed site by 25% for a 2 and 24-hour duration for a 10, 25, 50, and 100-year storm event. Mr. Silbernagel also assisted with selecting the location and sizing of the detention pond, as well as the outfall control structure.

Lead Civil Engineer | Ruth Garrett Way at Fremaux Town Center | Stirling Properties, Slidell, Louisiana

Mr. Silbernagel was the lead civil engineer and designer for the Ruth Garrett Way within the Fremaux Town Center Development in Slidell, Louisiana. Ruth Garrett way consists of a 2-lane, 24-foot wide connector road between Town Center Parkway and Bill Garrett Road (I-10 service road) totaling approximately 1,100-feet. Mr. Silbernagel designed the concrete road section, subsurface reinforced concrete pipe (RCP) drainage pipelines, water distribution, wastewater collection, pump station, and force main systems. The roadway layout was designed to maximize site/lot efficiencies and expansion of up to 4-lanes with a center median. Mr. Silbernagel also designed water quality ponds associated with the road in accordance with City of Slidell requirements. The water quality ponds allow filtering of the first ½-inch of stormwater during a rain event.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Matthew Loker, EI

Project Assignment:

Engineering Intern

Name of Firm with which associated:**Years' experience with this Firm:**

2 (2 Total)

Education: Degree(s)/Year/Specialization:

BS | 2020 | Civil Engineering

Active registration: Year first registered/discipline:

2020 | Louisiana Engineering Intern License No. 34487 (Civil)

Other experience and qualifications relevant to the proposed Project:

Mr. Loker is a Civil Engineer intern and graduated with a Bachelor of Science in May 2020. While a student, he obtained valuable experience by working as a co-op with the Louisiana Department of Transportation (LADOTD). Since joining Fairway upon graduation, Mr. Loker has provided assistance with various civil engineering tasks, and computer aided drafting (CAD) us AutoCAD Civil 3D.

Research Assistant | Louisiana Transportation Research Center, Baton Rouge, Louisiana

Mr. Loker was a research assistant with the Louisiana Department of Transportation. He assisted with setup and calibration of equipment including traffic cameras and radar detectors. Mr. Loker calculated travel times, segment speed, and volume count (match rate). The goal of the research was to evaluate two (2) different Bluetooth technologies that will improve traffic safety and additional Intelligent Transportation System (ITS) research. At the conclusion of the research, Mr. Loker presented the methodology and results of the research to the Transportation Research Board (TRB) in Washington, DC.

Engineer Intern | Raw Sugar Warehouse, Louisiana Sugar Refinery, Gramercy, Louisiana.

Mr. Loker assisted with the pre-pour inspections and development inspection reports for the construction of an 80,000 square foot pre-engineered metal building at the Louisiana Sugar Refinery (LSR) in Gramercy, Louisiana. The building will be used to support raw sugar prior to refining. The raw sugar will be stored to heights of

TEC Professional Services Questionnaire

between 35 and 40 feet with a maximum slab loading of approximately 1,900 pounds per square foot at the center of the building. The slab design was a combination of both deep and shallow foundations. The deep foundations were placed on the exterior of the building and consisted of 55-foot Class B (8" tip, 12" butt) timber piles. Each column had a pile cluster consisting of three (3) timber piles. The interior of the slab has an 18-inch crown and consisted of a "waffle" design with 2-ft by 2.5-ft grade beams.

Associate Civil Engineer | Town Center Water Well, Slidell, LA

Mr. Loker provided assistance with interdisciplinary coordination for the design of a 1,500-gpm water production well in Slidell, Louisiana. The project includes development of a 100 ft by 100 ft site (including paving, grading, drainage), a 1,000 feet of access road, and 1,500 feet of 12 in. and 16 in. water main including a portion that crossed interstate 10.

Civil Engineer | Interim Measures 2 at Bien Hoa Airbase, Bien Hoa, Dong Nai, Vietnam

Mr. Loker was a Civil Engineer for the Interim Measures 2 (IM2) environmental remediation project at the Bien Hoa airbase in Vietnam. The project's goal was to cleanup and store Dioxin (Agent Orange) contaminated soil and sediment from the Vietnam War. In total, two storage areas were designed. One storage area was designed to store 300,000 m³ (10.5M ft³) of low concentration contaminated material. The second storage area was designed to store 21,000 m³ (68,000 ft³) of high concentration contaminated material. The low concentration storage facility was designed as an earthen berm containment structure approximately 1,000m (3,200 ft) in length. The high concentration storage area was designed as a combination earthen berm with pre-cast concrete block containment structure approximately 400 meters (1,300 ft) in length. The project also required the design of stormwater management systems consisting of 680 m (2,230 ft) of concrete lined ditches and culverts. Lastly, the project included the design of the replacement for three (3) existing roadways and one (1) new roadway.

Civil Engineer | Pearl River 5.5 Acre Conceptual Site Plan, Pearl River, Louisiana

Mr. Loker assisted with the development of a conceptual site plan for a multi-family development on a 5.5-acre site in Pearl River, Louisiana. To develop the plan, Mr. Loker researched the requirements for St. Tammany Parish Codes and Ordinances for A-7 Zoning of the site. The site plan included the layout of five (5) two-story buildings, parking lots, green space, and walking paths.

Civil Engineer | Lureline Dr. I/I Repairs, Covington, Louisiana

Mr. Loker was a Civil Engineer for the Lureline Dr. I/I Repairs Project. The City of Covington had previously established an Inflow and Infiltration (I&I) program that included performance of a Sewer System Evaluation Survey (SSES) in 2020. The data obtained in the SSES as well as additional data from the Lureline Drive Project were utilized to prepare bid documents (plans and specifications) to rehabilitate the existing sanitary sewer system with the intent of reducing I&I into the system. The project included the rehabilitation of six (6) gravity sewer mains as well as twelve (12) service laterals. The gravity mainline repairs will consist of point repairs and Cured-in-Place-Pipe (CIPP) lining, and the service lateral pipe repairs will include service repairs, CIPP lining, and lateral reinstatements.

Civil Engineer | City of Covington FY 2020 I/I Repairs, Covington, Louisiana

Mr. Loker was a Civil Engineer for the City of Covington FY 2020 I/I Repairs Project. The City of Covington had previously established an Inflow and Infiltration (I&I) program that included performance of a Sewer System Evaluation Survey (SSES) in 2020. The data obtained in the SSES as well as additional data from the FY 20/20 program were utilized to prepare bid documents (plans and specifications) to rehabilitate the existing sanitary sewer system with the intent of reducing I&I into the system. The project included the rehabilitation of twenty (20) gravity sewer mains as well as sixty-nine (69) service laterals. Approximately 2,200 feet of gravity mainline was designated for repairs, which consisted of point repairs and Cured-in-Place-Pipe (CIPP) lining of 8", 10", 12", and 15" in pipe. The service lateral pipe repairs will include service repairs, CIPP lining, and lateral reinstatements.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Tiffany Brauner, M.Ed. | Administrative Assistant/Office Manager

Project Assignment:

Project Administrator

Name of Firm with which associated:**Years' experience with this Firm:**

2 (2 Total)

Education: Degree(s)/Year/Specialization:

MEd | 2006 | Exercise Physiology
BS | 2003 | Human Performance and Health Promotion

Active registration: Year first registered/discipline:**Other experience and qualifications relevant to the proposed Project:**

Mrs. Brauner recently joined Fairway following a greater than seventeen (17) year career in health care. Mrs. Brauner is the general office management and administration for Fairway. She has also provided support with document control and management for several ongoing design and construction projects.

Slidell Town Center Water Well Design, Slidell, LA

Mrs. Brauner provided assistance during the design of a 1,500-gpm water production well in Slidell, Louisiana. The project includes development of a 100 ft by 100 ft site (including paving, grading, drainage), a 1,000 feet of access road, and 1,500 feet of 12 in. and 16 in. water main including a portion that crossed interstate 10.

Raw Sugar Warehouse | Louisiana Sugar Refinery, Gramercy, Louisiana.

Mrs. Brauner provided assistance during the construction phase with the development of site inspection reports for pre-pour inspections for the construction of an 80,000 square foot pre-engineered metal building at the Louisiana Sugar Refinery (LSR) in Gramercy, Louisiana. The building will be used to support raw sugar prior to refining. The raw sugar will be stored to heights of between 35 and 40 feet with a maximum slab loading of approximately 1,900 pounds per square foot at the center of the building. The slab design was a combination of both deep and shallow foundations. The deep foundations were placed on the exterior of the building and

TEC Professional Services Questionnaire

consisted of 55-foot Class B (8" tip, 12" butt) timber piles. Each column had a pile cluster consisting of three (3) timber piles. The interior of the slab has an 18-inch crown and consisted of a "waffle" design with 2-ft by 2.5-ft grade beams.

Lureline Dr. I/I Repairs, Covington, Louisiana

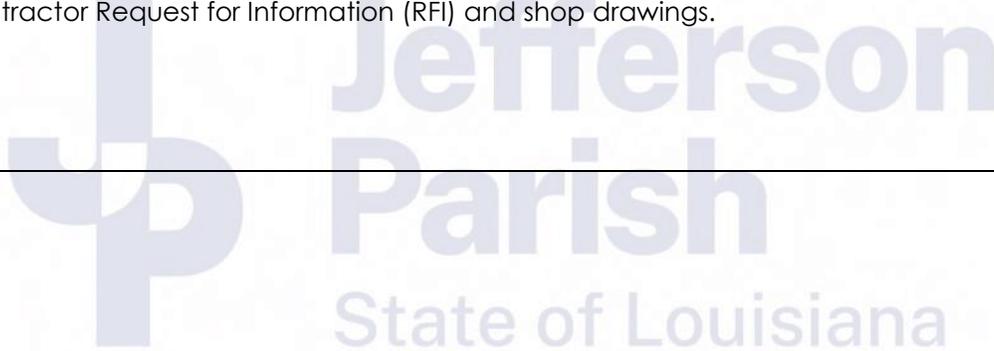
Mrs. Brauner provided the role of Project Administrator for the Lureline Dr. I/I Repairs Project. The project included the rehabilitation of six (6) gravity sewer mains as well as twelve (12) service laterals. The gravity mainline repairs will consist of point repairs and Cured-in-Place-Pipe (CIPP) lining, and the service lateral pipe repairs will include service repairs, CIPP lining, and lateral reinstatements.

City of Covington FY 2020 I/I Repairs, Covington, Louisiana

Mrs. Brauner provided the role of Project Administrator for the City of Covington FY 2020 I/I Repairs Project. The project included the rehabilitation of twenty (20) gravity sewer mains as well as sixty-nine (69) service laterals. Approximately 2,200 feet of gravity mainline was designated for repairs, which consisted of point repairs and Cured-in-Place-Pipe (CIPP) lining of 8", 10", 12", and 15" in pipe. The service lateral pipe repairs will include service repairs, CIPP lining, and lateral reinstatements.

Abney Elementary | St. Tammany Parish School Board, Slidell, Louisiana.

Mrs. Brauner is fulfilling the role of project administrator during the construction phase of an expansion the Early Childhood Center at Abney Elementary in Slidell. The project includes two new 1,700 square foot timber framed classroom buildings, as well as site civil improvements. Mrs. Brauner has provided document control support for Contractor Request for Information (RFI) and shop drawings.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Eric Scheuermann | Design/Drafting Specialist

Project Assignment:

Design/Drafting Specialist

Name of Firm with which associated:**Years' experience with this Firm:**

2 (29 Total)

Education: Degree(s)/Year/Specialization:

Drafting, 1980, Nunez Community College

Active registration: Year first registered/discipline:**Other experience and qualifications relevant to the proposed Project:**

Mr. Scheuermann has over twenty-five (25) years of experience performing design/drafting and Geographic Information System (GIS) services for municipal, state, federal and private sector clients. He has extensive experience with Microstation and AutoCAD software packages, as well as ESRI's ArcGIS. During Mr. Scheuermann's career he has provided architectural, civil, electrical, mechanical, and structural drafting services. His civil experience includes general civil (paving and grading), drainage, and roadway improvement projects. His mechanical design/drafting experience has been obtained through involvement in improvements at water and wastewater treatment plants, water wells, wastewater pump stations, and collection/distribution system pipelines. His private sector experience has included providing pipeline design and GIS mapping services to major oil and gas companies in Louisiana.

Lead Mechanical Designer | Town Center Water Well, Slidell, LA

Mr. Scheuermann is the lead Mechanical Designer for the project that involves providing design, bidding, construction administration, record drawing and supplemental services for a new water well in the Town Center area of Slidell. In this role, Mr. Scheuermann developed the process mechanical design drawings for the production well, chemical feed and disinfection systems, process mechanical plans and sections of well support buildings.

TEC Professional Services Questionnaire

Lead Designer | Northshore Mall Area Sanitary Sewage Pump Stations, Slidell, Louisiana

Mr. Scheuermann served as lead civil, mechanical, and structural designer for improvements at two (2) pump stations in the Northshore Mall area of Slidell. The project included design of improvements at above ground self-priming and submersible type pump stations and the design of a 6-inch sewage force main totaling approximately 1,300 linear feet.

Lead Designer | FY 08/09 and 10/11 Sanitary Sewage Pump Station Rehabilitation, City of Slidell, Slidell, LA

Mr. Scheuermann served as lead civil, mechanical, structural, and electrical designer for the rehabilitation of five sanitary sewage pump stations ranging in size from 0.5 to 4.0 mgd in Slidell, Louisiana. Rehabilitation at each pump station consisted of replacement of pumps, piping, control panels, wiring, pump cables, and other items identified during site visits to the pump stations.

Lead Designer | , Sanitary Sewage Pump Station Control Panel Replacement Project, City of Slidell, Slidell, LA

Mr. Scheuermann served as lead civil, mechanical, structural, and electrical designer for the detailed design to replace control panels at thirty-one (31) duplex sanitary sewage pump stations that were damaged by Hurricane Katrina in Slidell, Louisiana. The repairs consisted of replacing control panels, wiring, pump cables, and other items identified during site visits to the stations.

Lead Designer | P206K - Comprehensive Utilities Hardening, United States Navy/Broadmoor Construction Company, Belle Chasse, LA

Mr. Scheuermann served as lead civil, mechanical, and structural designer for utility improvements for this fast-track design-build project for the Naval Facilities Engineering Command (NAVFAC). The project included design of a new 12-inch gravity sewer main, 6-inch gas main, and three (3) watermains ranging in size from 8 inches to 12 inches. Additionally, the project included the designs to rehabilitate the gas distribution and gravity sewage collection systems, one (1) new sanitary sewage pump station, one (1) water booster pump station, and two (2) sanitary sewage pump stations.

Lead Designer | Post-Katrina Emergency Pump Station Design, New Orleans, LA

Mr. Scheuermann served as lead civil, mechanical, and structural designer to replace twenty-one (21) sewage pumping stations damaged by Hurricane Katrina. The project included the evaluation of the existing conditions of flooded-suction and suction-lift above and below ground structures. The design also included provisions for elevating electrical and controls equipment to mitigate damage due to potential future flooding. Stations ranged in size from approximately 250 to 2,500 gpm.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

James Hymel, PE | Mechanical Engineer

Project Assignment:

Lead Mechanical Engineer

Name of Firm with which associated:**Years' experience with this Firm:**

2 (18 Total)

Education: Degree(s)/Year/Specialization:

BS | 2002 | Mechanical Engineering

Active registration: Year first registered/discipline:

2007 | Louisiana Professional Engineering License No. 33609 (Mechanical)

Other experience and qualifications relevant to the proposed Project:

Principal Mechanical Engineer | Slidell Town Center Water Well Design, Slidell, LA

James served as Principal Mechanical Engineer for the project that involves providing design, bidding, construction administration, record drawing and supplemental services for a new water well in the Town Center area of Slidell. The proposed water well is anticipated to have a bore hole depth of approximately 2,500 feet deep with a well pump capacity of 1,500 gpm and a 100 hp motor. Additional project components include site development for a 100-ft by 100-ft site including preparation of paving, grading, and drainage plans; development of 1,000 feet of access road; multi discipline engineering and design of the water well, chemical feed (chlorine and corrosion inhibitor) systems; design of 1,500 feet of 12-inch/16-inch water main installed by both open cut and horizontal directional drill techniques, design of two on-site buildings used for well pump support equipment (electrical and chemical feed) and bulk chlorine storage, and design of a diesel emergency generator.

Lead Process Mechanical Engineer and Project Technical Lead | Phase II (Design, Bidding, ESDC, Record Drawing Phase, and Supplemental Services) at the East Bank Water Treatment Plant, Jefferson Parish, LA

TEC Professional Services Questionnaire

James served as the Lead Process Mechanical Engineer and Project Technical Lead for the design of improvements at the East Bank Water Treatment Plant. Improvements will consist of a 40 MGD expansion of the existing plant and will consist of the following process areas:

- Flash Mix Expansion; Solids Contact Upflow Clarifier Flocculation/Sedimentation Basins (6 Basins); Dual Media Filters (10 basins); Clearwell (1.5 MGD); Transfer Pump Station (10 MGD); High Service Pump Station (20 MGD); Waste Washwater Equalization Basin and Pump Station (750,000 MGD); Backwash Pump Station; Bulk Chemical Storage; Chemical Feed Building; Chemistry/Bacteriological Laboratory (10,000 SF)

Also included in the project is the rehabilitation of two raw water intake pump stations and the rehabilitation of the existing P3 facility. Raw Water Pump Station improvements will consist of replacing existing vertical turbine pumps, valves, electrical equipment, as well as minor structural improvements. Rehabilitation of the existing P3 facility will consist of the rehabilitation and/or replacement of existing structural, mechanical and electrical features on site. Project capital cost is estimated to range between \$90 million and \$150 million.

Project Manager | Dravo Wastewater Treatment Plant Effluent Pump Station & Force Main Segment Replacement, St. Bernard Parish Water and Sewer Division, St. Bernard Parish, LA

Project Manager and Design Lead for the conversion of the existing Wastewater Treatment Plant's effluent pump station to a raw water pumping station as part of the Parish's consolidation projects. The project included task such as re-routing influent force mains from the plant's headworks to the station's wet-well, replacement of three 18 inch, VTSH type pumps with three 250 hp submersible pumps (total capacity of 20 MGD), design of an elevated structure for the electrical control room and emergency generator. Under this project, Mr. Hymel also served as Project Manager and Design Lead for five segment replacements for an existing 30-inch sewer force main, located in St. Bernard. The existing 20,000-foot force main included five steel segments of various lengths (average 500-1,000 feet) which required replacement. The segment replacements were designed to be replaced via a combination of open-cut and horizontal directional drilling methods.

Project Engineer | Carrollton WTP Sludge Pumping Network, New Orleans, LA

James performed hydraulic modeling of the sludge pumping systems for the New Orleans, LA, Carrollton Water Treatment Facility. Electronic modeling of the sludge/mud removal systems (four individual pumping facilities) was performed to correctly size a new discharge line from the facility to the river and to provide the facility with several allowable operational scenarios of pump and discharge force main combinations.

Project Engineer | West Bank Water Treatment Plant Expansion, Jefferson Parish, LA

James served as a Project Engineer for the expansion of an existing 34 mgd water treatment plant to a treatment capacity of 60 mgd. He designed upgrades to existing chemical feed systems. This design included expansion of the disinfection system, which required examination of chlorinator/injector capacities, system hydraulics, and booster pump sizing. He also analyzed raw water pumping capacity. The raw water pumping system analysis included the development of system curves for pump selection and raw water pumping scenario analysis. The analysis also included hydraulic modeling of various pumping scenarios and physical testing.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Barrett Crook, PE, LEED AP | Structural Engineer

Project Assignment:

Lead Structural Engineer

Name of Firm with which associated:**Years' experience with this Firm:**

2 (26 Total)

Education: Degree(s)/Year/Specialization:

BS | 1994 | Civil Engineering

Active registration: Year first registered/discipline:

2006 | Louisiana Professional Engineering License No. 32734 (Civil)
LEED Accredited Professional

Other experience and qualifications relevant to the proposed Project:

Mr. Crook is a registered Professional Engineer in Louisiana with over twenty-four (24) years of experience. He has extensive experience performing civil and structural designs in the water and wastewater industries, as well as facilities for commercial and residential uses. Mr. Crook is an expert at modeling soil-structure interaction, static/dynamic structural analyses, as well as establishing structural design criteria. Mr. Crook is a registered Professional Engineer in over twenty (20) States. He is also certified as LEED accredited professional (Leadership in Energy and Environment Design Accredited Professional).

Lead Structural Engineer | Town Center Water Well, Slidell, LA

Mr. Crook is the lead structural engineer for the project that involves providing design, bidding, construction administration, record drawing and supplemental services for a new water well in the Town Center area of Slidell. Mr. Crook is responsible for design the well support and bulk chlorine storage buildings. Both buildings are timber framed supported by a concrete slab on grade.

Lead Structural Engineer | South WWTP Phase II Improvements, Baton Rouge, LA

Mr. Crook was the lead structural design engineer for the solids contact basins and he oversaw work on the thickened sludge mixing tanks, laboratory building, administration building, digester modifications, and various

TEC Professional Services Questionnaire

other smaller structures.

Lead Structural Engineer | South WWTP Trickling Filter Improvements, Baton Rouge, LA

As the lead structural engineer, Mr. Crook was responsible for designing a 100-foot by 100-foot by 35-foot-deep reinforced concrete pump station, the electrical building, splitter structure, and valve vault.

Lead Structural Engineer | South WWTP Influent Pump Station Modifications, Baton Rouge, LA

Mr. Crook was the lead structural engineer and was part of a team that renovated and converted a decommissioned influent pump station into a 15-mgd wet weather influent pump station, bringing the existing influent pump station capacity back to 60 mgd. As the lead structural engineer, Mr. Crook provided structural design for final design and preparation of 2.5 contract documents and coordinated with other engineering disciplines to ensure a high-quality product, accelerate design/drawing production, and reduce interdisciplinary conflicts during the design phase.

Lead Structural Engineer | Central Pump Station/PS42 Improvements, Baton Rouge, LA

Mr. Crook was the structural engineer on the design of a new \$15M, 58-mgd peak flow pump station, which is intended to bypass the Central WWTP and direct its flow to the South WWTP. The facility includes wet pit/dry pit station, variable frequency drive (VFD)/control building, and new odor control facilities.

Project Engineer | O'Neal Lane Pump Stations Group A, Baton Rouge, LA

Mr. Crook was the project engineer for updates to 16 pump stations to help mitigate chronic SSOs at or near these pump stations and increase the overall system capacity. The project consisted of eight triplex stations, ranging from 860 gpm to 4,700 gpm; seven duplex stations, ranging from 160 gpm to 540 gpm; and one 2,200-gpm submersible program station.

Lead Structural Engineer | Central Weber WWTP Upgrade & Expansion, Ogden, UT

Mr. Crook provided structural design of a multi-level CMU chemical building, clarifier, scum vault, and concrete containment structure for an air scrubber system. A unique aspect of the chemical building was a rotating ramp mounted on an elevated, exterior platform designed to aid the offloading of chlorine. The ramp could be raised or lowered with the use of a winch mounted on the platform.

Lead Structural Engineer | Willamette River Water Treatment Plant, Wilsonville, Oregon-Project Structural Engineer

This was the largest design build project Montgomery Watson has ever undertaken and the design team completed the \$41 million (total fees) project in less than 3 months. This project used an importance factor of 1.25 (essential facility) which was later upgraded to 1.50 after recommendations from a third party, value engineering committee. As a member of the design team and lead structural engineer Mr. Crook completed the design, drawings (3D) and specifications for a 100-foot-deep, 48-foot diameter caisson, actiflo, ozone contactors, filters, waste washwater basin, 4 million gallon clear well, sludge thickener, two story sludge dewatering building and numerous buried vaults. Additionally, Mr. Crook worked closely with the geotechnical consultant to minimize costs associated with backfilling and with the architects to obtain an "aesthetically pleasing" design for the public a new 5.0 MGD non-potable water pump station, and improvements to the non-potable water distribution system within the site.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Harry Hawney, PE Electrical Engineer
Project Assignment:
Lead Electrical Engineer
Name of Firm with which associated:
 FAIRWAY CONSULTING + ENGINEERING
Years' experience with this Firm:
2 (56 Total)
Education: Degree(s)/Year/Specialization:
MBA 1971 BS 1970 Electronics Engineering
Active registration: Year first registered/discipline:
1981 Louisiana Professional Engineering License No. 19229 (Electrical Engineering)
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Hawney has over 40 years of experience in electrical design and construction management oversight for public, private and industrial projects of all types. He has significant experience specific to water and wastewater pump stations and treatment plants, in South Louisiana. Mr. Hawney's background encompasses plant power systems, power distribution, instrumentation, control systems and specific projects related to substation design for industrial projects ranging from initial conceptualization through design, start-up and operation and includes experience in coordination, Short Circuit studies and Arc-Flash. His technical specialization is in system rehabilitation and upgrading with emphasis on system reliability performance and interrelation of power and control schemes. He is very knowledgeable on design & utilization of SCADA systems in plant operations and process control, as well as rehabilitation/ recovery efforts.</p> <p>Electrical Engineer Retrofit Power Plant Hazard Mitigation Grant Program (HMGP) Project; New Orleans, LA. Electrical Engineer for Trigon's efforts on this project, which involves repairs and upgrades to generators, fuel storage tanks, boilers, turbines and electrical I&C. Includes design and engineering for several of the nine contract packages, including a design-build project for S&WB power distribution feeders; hardening of fuel tank and delivery system, including I&C; power plant generator retrofit; steam turbine generator load bank testing;</p>

TEC Professional Services Questionnaire

and local electrical feeder installation.

Electrical Engineer | East Bank Wastewater Treatment Plant, Jefferson Parish, LA.

Project Electrical Engineer for \$150M new plant, including \$10M of control and electrical work. Project included 13.8kV electrical power distribution, 5,000 HP compressor power and controls, plant wide control system using a DCS on token-ring bus.

Electrical Engineer | Munster Sewage Treatment Plant, St. Bernard Parish, LA.

Electrical Engineer/Construction Management for project. The existing plants were consolidated into a new 50MGD treatment facility at the Munster Sewage Treatment Plant. The scope of work included electrical service at 13.8kv with 480V in plant distribution, two (2) 2MW emergency back-up diesel generators, an in-plant distributed SCADA system, and an in-plant security video system.

Electrical Engineer | Water Quality Master Plan, New Orleans, LA.

Principal Electrical Engineer for assessment of the S&WB's Carrollton and Algiers Water Treatment Plants to determine physical condition of the infrastructure at each plant. Based on the assessment, the current status and forecast of issues to be addressed will be developed, as well as a prioritized listing of short- and long-term needs required at the plants to address reliability and redundancy.

Electrical Engineer | Water Hammer Hazard Mitigation Project, New Orleans, LA.

Principal Electrical Engineer for efforts to mitigate water hammer events/effects on the East Bank by upgrading facilities at the S&WB's East Bank Water Treatment Plant and power supply infrastructure at the S&WB's power plant. Includes improvements to pump stations, plant piping/valving/metering, new building to house VFDs, elevated storage tanks and remote bladder tank installations.

Electrical Engineer | East Jefferson Water Purification Plant Power Project, Jefferson Parish, LA.

Principal Electrical Engineer for the design and construction management phases of 13.8kV substation project with three (3) incoming utility sources and automatic 13.8kV switchover between sources, plus a 4.5MW diesel standby power plant with four (4) generators and parallel switchgear. An alternate emergency power distribution network within the plant was installed to ensure the highest level of power delivery reliability, as was a server-based Power Management and Control System (PMCS), which allows monitoring and control of the normal and emergency power systems for the entire plant. Finally, construction schemes (MOPOs) were developed to allow all plant equipment to remain in service during construction.

Electrical Engineer | West Jefferson Water Purification Plant Power Project, Jefferson Parish, LA.

Principal Electrical Engineer and Construction Manager. This project was part of a major expansion to the existing water purification plant. The work included the design and construction of 13.8kV distribution, 480V switchgear and distribution for the major plant operating components, a 3.5 MW diesel standby power plant with four (4) generators along with paralleling switchgear; automatic transfer between normal and emergency power systems; and Remote-Control Room monitoring of the normal and emergency power systems. Also included was all instrumentation for the plant expansion as well as the integration of the expanded plant systems into the existing RTU/HMI systems.

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:

Page and Longfellow (D8-6) Lift Station Improvements | Jefferson Parish, LA

Jefferson Parish Drainage Department
 1221 Elmwood Park Blvd., Suite 906
 Jefferson, LA 70123

Mike Lockwood, Director
 504-736-6661

Nature of Firm's Responsibility:

Mr. John Catalanotto, as Principal with his former employer, contracted with Jefferson Parish in 2011 to provide Engineering Services for Improvements at the Page and Longfellow (D8-6) Lift Station. Improvements at the pump station site include the following:

1. Civil Improvements: General site improvements required to provide sufficient working space around the proposed odor control unit and electrical equipment. New site features also included site fencing, equipment pedestals, slabs, and paving.
2. Mechanical Improvements: New 12" and 16" mechanical piping and valves within the wet well and valve pit, as well as a new 6" emergency pump out connection, submersible pump discharge elbows and guide rails, and a new hydroxyl ion fog odor control unit.
3. Electrical Improvements: New control panel and SCADA telemetry system, and electrical pole.



**Completion Date
(Actual or estimated):**

Estimated Cost:

Entire Project:

**Work for which Firm was
Responsible:**

2014

\$300K

\$75K

TEC Professional Services Questionnaire

PROJECT NO. 2

Project Name, Location and Owner's contact information:

Mandeville Lift Station #3 and #39 Rehabilitation | Mandeville, LA

City of Mandeville
 3101 E. Causeway Approach
 Mandeville, LA 70448

504-736-6661

Nature of Firm's Responsibility:

As part of recurring renewal and replacements of their utility systems, the City of Mandeville plans to rehabilitate Lift Station Number 3 and 39. Lift Station No. 3 is located at the corner of Jackson St and Jefferson Street. Lift Station 39 is located in Woodstone Subdivision on Christian Court between Robyn Place and Tara Lane. Fairway is the prime CONSULTANT for this project and responsible for all professional services consisting of design, bidding, engineering services during construction, and resident inspection. The rehabilitation scopes of work for each lift station generally consist of the following:

1. Replacement of existing submersible pumps and guide rails with like kind submersible pumps.
2. Replacement of existing control panel. New control panel will be elevated to be 1 foot above the Base Flood Elevation. The new panel will be SCADA compatible.
3. Replacement of discharge piping, valves, and passive vent.
4. Replacement of pre-treatment unit with like kind system (Lift Station No. 3 only)
5. Installation of emergency pump out (EPO). The EPO will be installed outside of the valve pit to mitigate risk of flooding.
6. Provide non-freeze yard hydrant with backflow preventor.
7. Investigate installation of privacy fence if site lines to neighboring streets are not obstructed.
8. Corrosion resistant coating for wet well interior.
9. Replacement of checker plate access hatches for wet well and valve pit.
10. Retaining wall around pump station to mitigate risk of flooding, if required.



Lift Sta. No. 3



Lift Sta. No. 39

Completion Date (Actual or estimated):	Completion Date (Actual or estimated):	
	Entire Project:	Work for which Firm was Responsible:
2022	\$800K	\$150K

TEC Professional Services Questionnaire

PROJECT NO. 3

Project Name, Location and Owner's contact information:

Asset Management and Valuation of Tammany Utilities | St. Tammany Parish, LA

St. Tammany Parish
21490 Koop Dr.
Mandeville, LA 70471

Tim Brown; St. Tammany Parish
985-893-1717

Nature of Firm's Responsibility:

Fairway Consulting + Engineering, LLC (Fairway) provided support Asset Management services to Tammany Utilities (TU) for this project. Tasks performed by Fairway included the following:

1. Quantification of approximately 1,000,000 linear feet of gravity sewer system piping. To execute this task Fairway reviewed As-Built drawings for approximately 170 subdivisions/sites and quantified length and pipe size of the gravity sewer system.
2. Site visits to approximately ninety (90) lift stations to collect asset (pumps, control panels, wet wells, piping, site features, etc.) information. Asset information was collected and documented on standard forms/spreadsheets.
3. Site visits to approximately thirty-six (36) water wells to collect asset (pumps, control panels, piping, hydropneumatic/elevated storage tanks, site features, etc.) information. Asset information was collected and documented on standard forms/spreadsheets.
4. Estimate Replacement Cost New (RCN) for all sanitary sewer system assets quantified.
5. Estimate Replacement Cost New (RCN) for all lift station assets verified during the site visits.
6. Estimate Replacement Cost New (RCN) for all water well assets verified during the site visits.



**Completion Date
(Actual or estimated):**

**Completion Date
(Actual or estimated):**

Entire Project:

**Work for which Firm was
Responsible:**

2021

\$240K

\$85K

TEC Professional Services Questionnaire

PROJECT NO. 4

Project Name, Location and Owner's contact information:

TNPRC AIDS SPF Rhesus Monkey Breeding Facility Expansion (JRH1) | Covington, LA

Tulane National Primate Research Center
 18703 Three Rivers Road
 Covington, LA 70433

Michael Hunley; MSH Architects
 985-898-0303

Nature of Firm's Responsibility:

Fairway Consulting and Engineering, LLC is providing civil engineering services for the construction of a new housing facility for Rhesus Monkeys at the Tulane National Primate Research Center (TNPRC) located in Covington, Louisiana. The project includes the construction of three (3) new housing facilities totaling approximately 8,200 square feet for the primates. The civil engineering design includes preparation of site, drainage, utility, erosion control and pump station drawings. The most challenging aspect of the civil engineering design includes design of a curbing system for the outdoor cages and adequate site grading to ensure that storm water in contact with primate feces does not enter the existing drainage system and instead is conveyed to the sanitary sewage system. The sanitary sewage system was designed to include an 8-inch gravity sewer main to collect contaminated wash down water within the outdoor and indoor housing areas. The 8-inch gravity main discharges to a new sanitary sewage pump station with 3-inch horizontal non-clog suction lift pumps. A new 4-inch force main approximately 800-feet was designed to discharge to the existing wastewater treatment plant.



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021 (estimated)	\$1.5M	\$20K

TEC Professional Services Questionnaire

PROJECT NO. 5

Project Name, Location and Owner's contact information:

Northshore Mall Area Pump Station Improvement | Slidell, LA

City of Slidell
 250 Bouscaren St. Ste 302
 Slidell, LA 70458

Donna O'Dell, PE (former City Engineer)
 985-290-7382

Nature of Firm's Responsibility:

Mr. Catalanotto was the project manager and lead civil and mechanical engineer to support the City of Slidell to resolve sanitary sewer system issues in the Northshore Mall area. The Burger King (PS A-1) and Northshore Square (PS A) Pumping Stations in the project vicinity were experiencing long pump run times and gravity sewer overflow issues had been reported. In an effort to determine the required corrective measures to resolve system and operational issues, preliminary investigation services consisting of field investigations and data analysis were provided followed by the design of the recommended rehabilitation measures.

The design services for the Northshore Mall Area Pump Station Improvement Project include demolition and replacement of pumps, piping valves, control panels and other incidentals at PS A-1 and PS A, as well as the construction of a 1,500 linear foot 6-inch diameter force main and a 1,450 linear foot 10-inch diameter force main. The force mains, include AWWA C900 (Pressure Class150) PVC, AWWA C906 (DR 11) HDPE, and AWWA C151 (Pressure Class 150) Ductile Iron pipe, AWWA C110 Ductile Iron and AWWA C906 HDPE Fittings, and sewage air release valves. The force mains were installed by both open cut and horizontal directional drilled (HDD) techniques.

Engineering services during the bid and construction phases were also provided by Mr. Catalanotto.



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012	\$1.4M	\$125K

TEC Professional Services Questionnaire

PROJECT NO. 6

Project Name, Location and Owner's contact information:

Houston Pump Station Capital Improvement Planning | Houston, TX

City of Houston
611 Walker
Houston, Texas 77002

Regina Cassanova, PE; Trigon Associates
504-585-5767

Nature of Firm's Responsibility:

Fairway Consulting + Engineering staff assisted the Prime Firm during the planning phase for improvements at approximately forty (40) sewage pump stations within the City of Houston's sanitary sewage system. The improvements were necessitated by a combination of proactive capital planning, as well as to perform repairs and hazard mitigation due to impacts from Hurricane Harvey. The pump stations ranged in size from 0.03 MGD to approximately 40 MGD and consisted of both wet pit and dry pit submersible configuration. As part of the planning for each pump station, Fairway staff assisted with determining base flood elevations for the pump stations. Additionally, Fairway staff performed preliminary system curve calculations for the pump stations. The system curves will be used in future tasks with selecting new pumps.

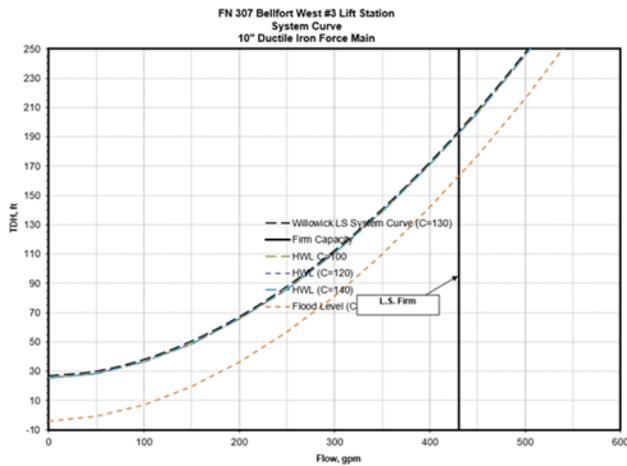


Exhibit 1-5 FEMA FIRMette Map

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$5M	\$20K

TEC Professional Services Questionnaire

PROJECT NO. 7

Project Name, Location and Owner's contact information:

River Forest Sanitary Sewer Evaluation Study (SSES) | Covington, LA

City of Covington
 317 N. Jefferson Ave.
 Covington, Louisiana 70433

Callie Baker, Engineer - City of Covington
 985-892-1811

Nature of Firm's Responsibility:

In January 2019, Fairway was awarded the River Forest Sanitary Sewer Evaluation Study (SSES) project by the City of Covington, Louisiana. The project includes investigating sources of inflow and infiltration into the gravity sewer system from service laterals and private property contributions. The project area encompasses approximately 400 acres, includes approximately 350 customers, and 32,000 linear feet of gravity sewer main with pipe sizes ranging between 6" to 12" diameter. Fairway prepared bid documents, provided support to the City during procurement and construction, and will also prepare a final report. During the design phase, through a combination of site visits and review of previous studies for the subdivision, Fairway identified service connections and digitized their location within the City's Geographic Information System (GIS).



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	\$150K	\$30K

TEC Professional Services Questionnaire

PROJECT NO. 8

Project Name, Location and Owner's contact information:

City of Covington FY 2020 I/I Repairs | Covington, LA

City of Covington
317 N. Jefferson Ave.
Covington, Louisiana 70433

Callie Baker, Engineer- City of Covington
985-892-1811

Nature of Firm's Responsibility:

The City of Covington had previously established an Inflow and Infiltration (I&I) program that included performance of a Sewer System Evaluation Survey (SSES) in 2018 and 2019. The data obtained in the SSES as well as additional data in 2021 were utilized to prepare bid documents (plans and specifications) to rehabilitate the existing sanitary sewer system with the intent of reducing I&I into the system. Mr. Catalanotto was the project manager and lead civil engineer for the project that included the rehabilitation of twenty (20) gravity sewer mains as well as one hundred (100) service laterals. Approximately 5,000 feet of gravity mainline was designated for repairs, which consisted of point repairs and Cured-in-Place-Pipe (CIPP) lining of 8", 10", 12", and 15" in pipe. The service lateral pipe repairs will include service repairs, CIPP lining, and lateral reinstatements. Local roadway restoration will be performed where open cut techniques are necessary.



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$1M	\$180K

TEC Professional Services Questionnaire

PROJECT NO. 9

Project Name, Location and Owner's contact information:

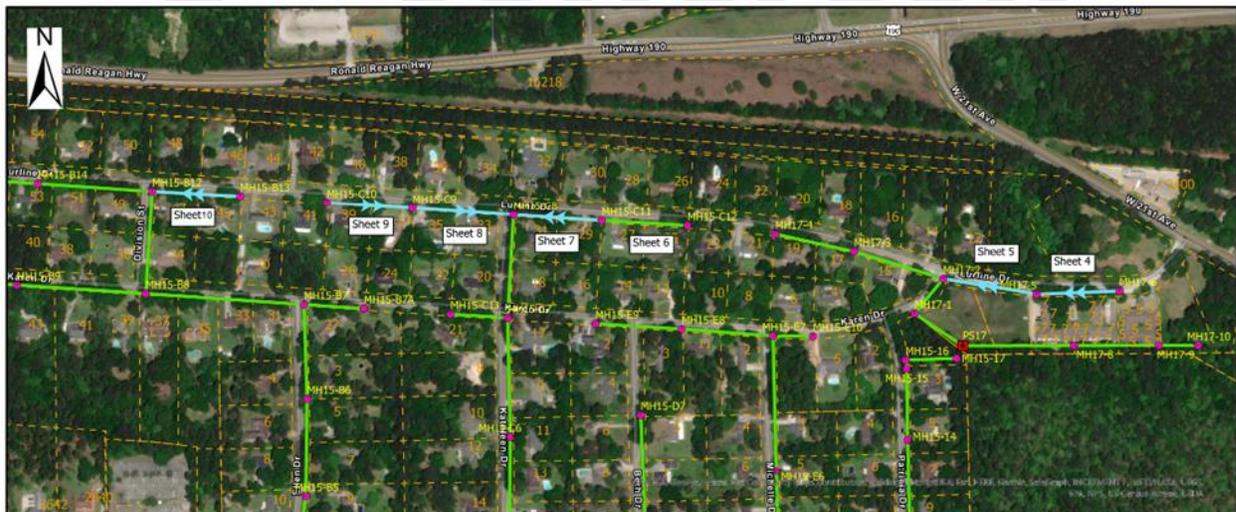
Lureline Drive I/I Repairs | Covington, LA

City of Covington
 317 N. Jefferson Ave.
 Covington, Louisiana 70433

Callie Baker, Engineer- City of Covington
 985-892-1811

Nature of Firm's Responsibility:

The City of Covington had previously established an Inflow and Infiltration (I&I) program that included performance of a Sewer System Evaluation Survey (SSES) in 2020. The data obtained in the SSES as well as additional data from the Lureline Drive Project were utilized to prepare bid documents (plans and specifications) to rehabilitate the existing sanitary sewer system with the intent of reducing I&I into the system. Mr. Catalanotto was the project manager and lead civil engineer for the project that included the rehabilitation of six (6) gravity sewer mains as well as twelve (12) service laterals. The gravity mainline repairs will consist of point repairs and Cured-in-Place-Pipe (CIPP) lining, and the service lateral pipe repairs will include service repairs, CIPP lining, and lateral reinstatements. Local roadway restoration will be performed where open cut techniques are necessary.



Completion Date (Actual or estimated):	Completion Date (Actual or estimated):	
	Entire Project:	Work for which Firm was Responsible:
2021 (Estimated)	\$180K	\$30K

TEC Professional Services Questionnaire

PROJECT NO. 10

Project Name, Location and Owner's contact information:

Faubourg St. John Development Sanitary Sewer Evaluation Study (SSES) | Covington, LA

Renaissance Neighborhood Development Corporation
 4162 Canal St.
 New Orleans, LA 70119

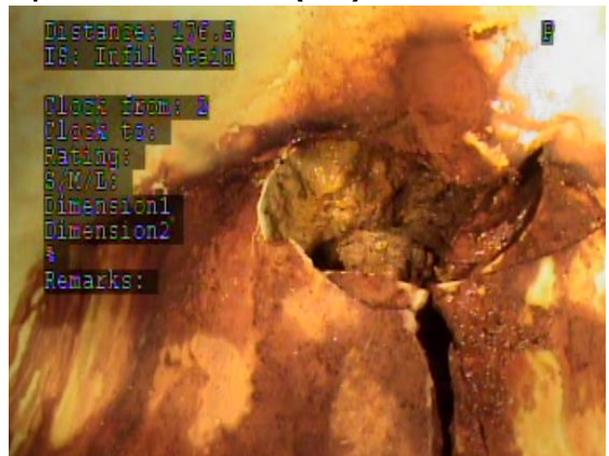
William Callihan, Development Director
 504-481-6174

Nature of Firm's Responsibility:

Fairway Consulting and Engineering, LLC was the lead Civil Engineer for the development of an approximately 12.5-acre site within incorporated Covington, Louisiana. The site was developed for the construction of eighty (80) single family homes and required an amendment to an existing Planned Unit Development (PUD). The project was unique in the sense that the majority of the civil infrastructure was previously designed and constructed and sat idle for 10+ years that included the sanitary sewage system and pump station.



In order to obtain City approval of the project, Fairway performed a Sanitary Sewer Evaluation Study (SSES). The goal of the investigation was to identify sources of inflow/infiltration into the sewer system and included cleaning, as well as CCTV and smoke testing of approximately 2,500 linear feet of 8-inch sewer main. A condition assessment of the sewage pump station was also performed. The results of the investigations identified twelve (12) repairs to the gravity sewer main piping and manholes. For the sewage pump station, the control panel and submersible pumps were identified as requiring replacement. **The project was completed under a very aggressive schedule and required close coordination and collaboration with local and state regulatory agencies. The project was completed on schedule and within budget and received unanimous approval by the City's Planning and Zoning (P&Z) Commission. Permitting with the Louisiana Department of Health (LDH) was needed for the sewage pump station rehabilitation.**



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 (Civil Construction) 2021 (Vertical Construction)	\$14M	\$79K

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1.	<div style="border: 2px solid purple; border-radius: 15px; padding: 10px; display: inline-block;"> Fairway Consulting and Engineering, LLC has not been involved in any prior or on-going litigation with Jefferson Parish. </div>	
2.		
3.		
4.		

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



FAIRWAY
CONSULTING + ENGINEERING

Fairway Consulting and Engineering, LLC is a small business headquartered in St. Tammany Parish. We are **certified as part of the Hudson Initiative and Small Emerging Business Programs by Louisiana Economic Development (LED)**. Fairway is also certified as a **Small Business Administration (SBA) Historically Underutilized Business Zone (HUBZone) company**. We are Consultants and Engineers with specialties in Engineering Technical Services and Management Consulting (Program and Project Management). Our Engineering Technical Services offering is focused on Civil, Structural, and Environmental Engineering. Fairway is licensed to provide Engineering Services in Louisiana, Mississippi and Alabama.



Fairway was founded in August 2018 with the vision of becoming one of the premier Consulting and Engineering firms in southeast Louisiana. Though Fairway is approaching four (4) years old, we are financially stable, and have successfully executed dozens of projects, many of which are within the greater New Orleans region. Fairway's guiding principles include the following:

1. **Integrity:** We are honest, do what is right, and do what we say we will do.
2. **Quality:** We provide high quality deliverables on time and within budget that meet our

TEC Professional Services Questionnaire

Clients' needs while adhering to industry standard best practices and standards of care.

3. **Client Service:** We listen to our clients and provide solutions for their needs while being flexible and making them an integral part of our team.

Fairway's principals and staff all reside in Southeast Louisiana with a combined total of nearly fifty (50) years of experience. Our services cover the entire project lifecycle using the latest available 2D and 3D CAD and Geographic Information System (GIS) software. We have the capability to execute both small (Capital cost < \$10,000) and large projects (> \$1,000,000) projects alike.

RFO CRITERIA NO. 1 – PROFESSIONAL TRAINING AND EXPERIENCE (35 Points)

Fairway Consulting + Engineering, employs engineers, scientist, and technical support staff that pride themselves with providing high quality deliverables while being flexible and responsive to our Clients' needs. Our services cover the entire project lifecycle using the latest available 2D and 3D CAD and Geographic Information System (GIS) software. Our full-time, part-time, and contract status employees have specialties in the following practice areas:

1. Project Management
2. Program Management
3. Utilities (Water/Wastewater)
4. Wastewater Treatment
5. Water Treatment/Chemistry
6. Site Civil Engineering
7. Drainage Mechanical Engineering
8. Structural Engineering
9. Hydraulics/Pumping Systems
10. Electrical Engineering
11. Instrumentation and Controls (I&C) Engineering
12. Computer Aided Design (CAD), including 2D, 3D, and Building Information Systems (BIM) designs
13. Geographic Information Systems (GIS)
14. Permitting, including Section 404 and 408
15. Hydrogeology
16. Disaster Response and Recovery



A more detailed listing of services Fairway can provide include the following:

1. Project and program management services for municipal and industrial capital improvement projects.
2. Civil and mechanical engineering for water and wastewater pipelines, pump stations, and treatment facilities.
3. Design of chemical feed systems for water/wastewater treatment facilities
4. Hydrologic studies for design of drainage systems.
5. Site civil design for residential and commercial developments.
6. Roadway design/layout.
7. Structural design of water, wastewater treatment plants.
8. Structural design of residential and commercial buildings inclusive of reinforced concrete foundations, steel and timber framing, and concrete structures.

TEC Professional Services Questionnaire

9. Structural design of structural steel platforms and framing systems for industrial applications.
10. Electrical and instrumentation and controls (I&C) engineering for buildings, water/wastewater, and industrial facilities.
11. Permitting for local, state, and federal agencies (including Section 404 and 408).
12. Development of 2D and 3D designs in AutoCAD, Civil 3D, Revit, Mircostation software packages.
13. Hydrogeologic studies and designs for water production, deep injection, and aquifer storage and recovery wells (ASR).
14. Emergency response and recovery.
15. Development of Opinions of Probable Construction Cost (OPCC)



Sidney Bazley
Director of Water Dept.



FAIRWAY
CONSULTING + ENGINEERING

Principal

John Catalanotto, PE, PMP
Principal Engineer/Proj. Mgr

Lead Engineers

Dustin Silbernagel, PE
Lead Civil Engineer

Barrett Crook, PE
Lead Structural Engineer

James Hymel, PE
Lead Mechanical Engineer

Harry Hawney, PE
Lead Electrical Engineer

Support Staff

Eric Scheuermann
Design/Drafting

Matthew Loker, EI
Engineer Intern

Tiffany Brauner
Project Administrator

TEC Professional Services Questionnaire

RFQ CRITERIA NO. 2 – CAPACITY FOR TIMELY COMPLETION (20 Points)

Fairway has the necessary manpower and equipment to deliver complete projects within a reasonable and agreed-upon schedule. Our current workload is under the capacity of our staff. As such, we can mobilize immediately for project execution. We consistently have proven our ability to work rapidly and efficiently to deliver economical projects for our clients.

RFQ CRITERIA NO. 3 – LOCATION OF PRINCIPAL OFFICE (15 Points)



Fairway Consulting and Engineering is located at 403 N. Jefferson Ave. in Covington, LA 70433.

RFQ CRITERIA NO. 4 – LITIGATION STATEMENT (15 Points)

Fairway Consulting + Engineering, LLC has not been involved in any prior litigation with any Clients.

RFQ CRITERIA NO. 5 – PRIOR SUCCESSFUL COMPLETION OF PROJECTS (15 Points)

Engineering Technical services of the firm will be led by Mr. John Catalanotto. Mr. Catalanotto is a registered Professional Engineer and Project Management Professional with nearly twenty (20) years of experience in public sector consulting primarily with a focus in wet infrastructure (water, wastewater, drainage). The projects provided within Section L are a representative listing of projects that have been performed by Fairway or self-performed by Mr. Catalanotto. All represent prior successful completion of projects within the public and private sectors.

We invite Jefferson Parish to view the projects presented in this submittal, and contact our clients as noted. The projects noted in each project team member's resume should also serve as evidence of our professional accomplishments in the engineering field.

1. Mike Noto; Deputy CAO; City of Slidell (985-646-4330); mnoto@cityofslidell.org)
2. Blaine Clancy, PE; City Engineer; City of Slidell (985-646-427); bclancy@cityofslidell.org)
3. Callie Baker, PE; City Engineer; City of Covington (985-892-1811); cbaker@covla.com)

RFQ CRITERIA NO. 6 – SIZE OF FIRM (10 Points)

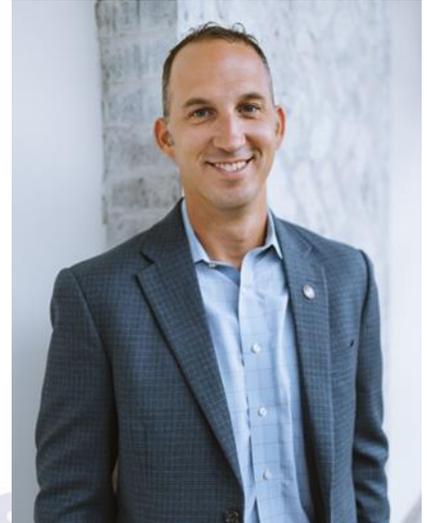
Fairway Consulting + Engineering, LLC (Fairway) currently has six (6) full-time staff. We have the capability to execute both small (Capital cost < \$10,000) and large projects (> \$1,000,000)

TEC Professional Services Questionnaire

projects alike. For larger projects we access a resource pool of approximately fifteen (15) contract engineers and technical specialist. Fairway's goal is to grow into a five (5) to ten (10) person consulting and engineering firm within the next two (2) to five (5) years.

RFQ CRITERIA NO. 7 – PAST PERFORMANCE BY FIRM ON PARISH CONTRACTS (10 Points)

Mr. John Catalanotto, President of Fairway Consulting and Engineering, has completed several projects with Jefferson Parish during his time with a previous employer. Through execution of these projects, Mr. Catalanotto is intimately familiar with the infrastructure needs, policies, and procedures of the Parish. Projects managed by or self-performed by Mr. Catalanotto for the Jefferson Parish Sewer Department are highlighted in Section L of this SOQ as Project Number 1 Page and Longfellow (D8-6) Lift Station Improvements. Mr. Catalanotto has also managed or self-performed the design of the following projects with the Jefferson Parish Drainage and Water Departments:



1. **Waggaman Water Distribution System Improvements**
2. **East Bank Water Treatment Plant Improvements**
3. **On-Call Hydraulic Modeling for East and West Bank Water Systems**

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

Signature:  Print Name: John Catalanotto, PE, PMP

Title: President Date: March 24, 2022



COMPANY

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403 N. Jefferson Ave. | Covington, LA 70433
Phone: 504.234.1556 | Email: info@fairwayce.com

CONTACT

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