ROUTINE ENGINEERING SERVICES FOR WATER PROJECTS

Jefferson Parish
Resolution No. 138809

SOQ 22-013

Submitted By:

digital engineering

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Water Projects in Jefferson Parish
Resolution No. 138809

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

digital engineering
DIGITAL ENGINEERING & IMAGING, INC.
527 West Esplanade Avenue, Ste. 200
Kenner. LA 70065

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:

Kurt Evans, P.E., FITE, FACEC
CEO, Principal
527 West Esplanade Avenue, Ste. 200
Kenner, LA 70065
504.468.6129
kevans@deii.net

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.

Robert Delaune, P.E.
Sr. Vice President, Principal
527 West Esplanade Avenue, Ste. 200
Kenner, LA 70065
504.468.6129
rdelaune@deii.net

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

5 Administrative	___Estimators	3 Specification Writers
___ Architects (Licensed)	___Geologists	___Structural Engineers
___ Chemical Engineers	___Geotechnical Engineers	___Graduate Engineers
15 Civil Engineers	___Interior Designers	4 Project Managers
6 Construction Inspectors	___Landscape Architects	1 Clerical
___ Ecologists	___Land Surveyor	1 Grant/Funding Specialist
___ Electrical Engineers	___Mechanical Engineers	1 Sanitary Engineers
5 Engineer Intern	1 Environmental Engineers	
___ Professional Land Surveyors		42 **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.

NA

2.

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

YES ☐ **NO** ☐

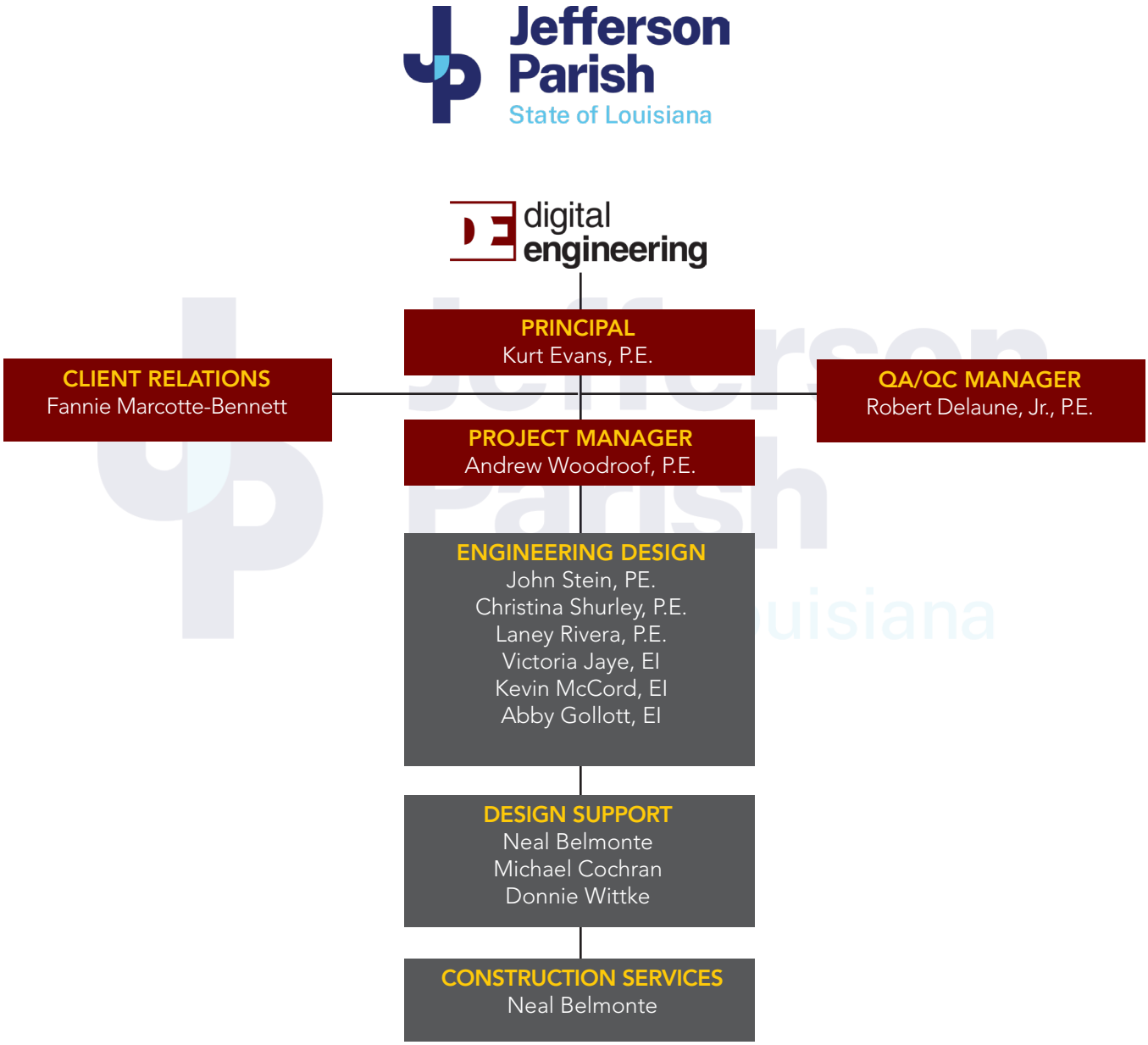
I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. NA	NA	NA
2.		
3.		
4.		

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

DE has assigned thirteen (13) personnel to this project as illustrated in the Organization Chart below.

DE TEAM ORGANIZATION CHART



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:

Andrew Woodroof, P.E., Vice President, Principal

Project Assignment:

Project Manager

Name of Firm with which associated:

digital engineering

Years' experience with this Firm:

12

Education: Degree(s)/Year/Specialization:

BS/2008/Civil Engineering MS/2012/Coastal Engineering

Active registration: Year first registered/discipline:

2012/Civil

Other experience and qualifications relevant to the proposed Project:

River Road Water Line Replacement, Jefferson Parish, LA

Engineering design, construction administration, and Davis Bacon compliance for 12,000 linear feet of 12" diameter water line which replaced an existing 8" diameter water line and associated fire hydrants and isolation valves. The water line which was replaced extended from the intersection of River Road and Rivet Boulevard to the St. Charles Parish Line in Waggaman, LA. The new water line provides additional capacity for residents and industry in the area, as well as providing a tie-in point for the second phase of the River Road Water Line Extension transmission line. The design includes open-cut and horizontal directional drill installation methods.

Live Oak Water Line Extension, Jefferson Parish, LA

Engineering design for 11,000 linear feet of 12" diameter water line extension, required fire hydrants, and isolation valves. The water line was designed from Live Oak Boulevard to River Road in Waggaman. This water line serves as a transmission line extension which loops the water system in this area to provide additional capacity and redundancy in the system to residents, businesses, and industry. The design included open-cut, directional

Jefferson Parish LDHH Drinking Water Revolving Loan Administration and Management, Jefferson Parish, LA

Developed the System Improvement Plan with Environmental Impact Document (EID) for this project, which successfully received approval for funding of $3,550,000 Drinking Water Revolving Loan through Louisiana Department of Health and Hospitals. This Plan will serve as the Department of Water's Master Plan and will satisfy the requirements of the Parish's DHH Drinking Water Revolving Loan allowing Jefferson Parish to construct much needed infrastructure improvements. Components of the EID include development of expansion project alternatives, evaluation of compliance of alternatives with federal drinking water regulations, economic evaluation, environmental evaluation, and public hearing.

Waterline Replacement Project 1.1, St. Bernard Parish, LA

Engineering design, construction administration, Davis Bacon compliance, and American Iron and Steel (AIS) compliance for 14,000 linear feet of 8" diameter water line which will replace existing 6" through 10" diameter water lines and associated fire hydrants and isolation valves in Arabi.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Kurt Evans, P.E., CEO

Project Assignment:

Principle in charge

Name of Firm with which associated:

digital engineering

Years' experience with this Firm:

28

Education: Degree(s)/Year/Specialization:

BS/1979/Civil Engineering

Active registration:Year first registered/discipline:

1983/Civil

Other experience and qualifications relevant to the proposed Project:

Kurt has over 38 years of experience in civil engineering, planning, design, and project/construction management services. Kurt has provided project management and quality assurance/quality control for numerous roadway, drainage, wastewater, and water projects for state and local agencies.

Huey P. Long Bridge Improvements, Jefferson Parish, LA

Principal in Charge for DE's involvement on the widening of the existing Huey P. Long Bridge crossing and reconstruction of roadway approaches and major interchanges on both banks of the river. During development of the roadway alignment, DE evaluated traffic impacts to local infrastructure and traffic operations including compilation of VISSIM traffic model to simulate future traffic conditions with the proposed improvements in place..

Water Booster Pump Improvements, Grand Isle, LA

Principal for this project that involved design of improvements to existing in-line water booster pump to provide improved pressure and flow.

Water Distribution System Master Plan and Capital Improvements Program, Grand Isle, LA

Principal for this project that involved assessment of deficiencies in the current water system and recommendation of potential solutions in order for the Town to undertake a Capital Improvement Program.

Water Distribution System Master Plan and Capital Improvement Program, City of Waveland, MS

Managed the creation of a GIS-based hydraulic model of the City's Potable Water Distribution System to determine necessary pressure & flow requirements to meet EPA-mandated SDWA regulations & State fire codes.

Capital Program Manager, Kenner, LA

Principal in Charge of a Program Management contract for the City of Kenner Capital Projects that ranged from $20 million to $45 million per year, many of which were CDBG-funded. Mr. Evans was responsible for ensuring design compliance with CDBG requirements, overall project scheduling, and construction oversight of engineers and architects. The Capital Projects Program consisted of design and construction management of all water, wastewater, drainage, roadway and building improvements.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Robert Delaune, P.E., Sr. Vice President

Project Assignment:

QA/QC Manager

Name of Firm with which associated:

digital engineering

Years' experience with this Firm:

20

Education: Degree(s)/Year/Specialization:

BS/2000/Environmental Engineering

Active registration: Year first registered/discipline:

2006/Civil

Other experience and qualifications relevant to the proposed Project:

Rob serves as Vice President of Water Resources Operations for DE. Throughout his extensive 20 years of experience in water resources, he has worked on numerous projects that have helped to improve infrastructure and sustain the coast. Rob joined the DE team in 2001 and has built a robust portfolio of work, serving as a project and/or program manager on a variety of wastewater, drainage, green infrastructure, water, coastal, and environmental projects.

Certifications: Water Wise NOLA Certified Green Infrastructure Professional 1

Training: Advanced Training on Modeling Hydrodynamics and Morphodynamics using Delft3D FM and Delft3D 4

Recognition: ACEC/L Emerging Leaders Institute; ASCE New Orleans Branch 2020 Outstanding Civil Engineer

Industry Leadership: ASCE New Orleans Chapter Past President, ACEC Past Water Resources Committee Chairman

Jefferson Parish East Bank Water Treatment Plant, Jefferson Parish, LA
Project Manager for this project which his responsible for oversight of the preparation of an application for a $30M LDH State Revolving Loan, System Improvement Plan with Environmental Impacts, Loan Administration and Davis Bacon Act Compliance. He is also responsible for overseeing the rehabilitation design of the Blue House and Levee Intake Pump Stations that provide raw water to the water treatment plant and the rehabilitation of the P3 Plant mechanical and electrical components.

Jefferson Parish Water Intake Study & Design - Jefferson Parish, LA
Project Manager for the preparation of a technical memorandum and presentation that evaluated the feasibility and cost to convert disinfection at the East and West Bank Water Treatment Plants in Jefferson Parish from chlorine to an ultraviolet disinfection process.

St. Bernard Parish Water Loan, St. Bernard Parish, LA
Project Supervisor and oversees loan administration and management, coordination with LDHH, preparation of the System Improvement Plan with Environmental Impacts, preparation of business plan, and Davis Bacon Act administrative consultant services. The program includes waterline replacements between 8-inches and 12-inches in diameter in the Arabi, Chalmette, Violet and Reggio areas within St. Bernard Parish.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Fannie Marcotte-Bennett, Director of Client Services

Project Assignment:

Client Relations

Name of Firm with which associated:

digital engineering

Years' experience with this Firm:

2

Education: Degree(s)/Year/Specialization:

Science (200.BO), Pre-University Program

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

Fannie serves as Director of Client Services for Digital Engineering. As an independent Point of Contact for clients, she monitors projects' progress to ensure deadlines are being met, ensures client satisfaction and works with management to resolve any potential conflicts in a rapid and efficient fashion.

Leadership / Awards - New Orleans Regional Leadership Institute Cohort; SMPS Southeast Louisiana President; SMPS Southeast Louisiana 2017 Hall of Fame inductee

St. Tammany Parish Comprehensive Plan Update St. Tammany Parish, LA
Client Services Director/Coordinator responsible for coordinating the infrastructure planning and interviewing portion of Public Participation Plan for the St. Tammany Parish Comprehensive Plan Update (New Directions 2025), which aims to promote the Parish's resilience and sustainability.

Goodbee/West St. Tammany LA 1077 Corridor Study, St. Tammany Parish, LA
Client Services Director and Public Outreach Coordinator for this land use and transportation study reviewing existing conditions of the corridor including land use and transportation data. Responsibilities include preparation or outreach exhibits, presentation and participation in public meetings involving stakeholders ranging from clients to residents

Ben Thomas Road Detention, St. Tammany Parish, LA
Client Services Director responsible for government relations and satisfaction assurance for this FEMA funded flood study, design and construction of a 21.48-acre detention pond for increased flood storage and improved drainage in the Bayou Vincent Basin (W-13) north of Ben Thomas Road, which will serve to substantially reduce downstream flows and improve drainage in the area.

Old Mandeville Shoreline Protection Study, Mandeville, LA
Client Coordination and Public Outreach Coordinator for this initiative involving development of three viable alternatives for protection against storm surges that have repeatedly flooded the city's historic district throughout the years. Public meetings were held to present preliminary findings and gather input from resident and stakeholders affected by repetitive flood events.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

John Stein, P.E., Project Engineer

Project Assignment:

Engineering Design

Name of Firm with which associated:

digital engineering

Years' experience with this Firm:

13

Education: Degree(s)/Year/Specialization:

BS/1988/Agricultural Engineering

Active registration: Year first registered/discipline:

2010/Civil

Other experience and qualifications relevant to the proposed Project:

Mr. Stein has over 31 years of experience managing a variety of civil engineering projects particularly in the planning, design, and construction of water facilities. Mr. Stein has worked on numerous water/recycled water distribution, transmission, and treatment facilities. His experience includes the following projects:

Water Well No.1 Rehabilitation, Diamondhead Water &Sewer District, MS

Mr. Stein served as the Project Manager for the design and construction of a new well screen, casing liner, pump column, control panel with a VFD, chlorination facility for a 1,250 gpm well. Duties included preparation of plans and specifications, conducting the pre-bid conference, preparing addendums during the bid, tabulating the bids, conducted the preconstruction and progress meetings, reviewed shop drawings, responded to RFI's, reviewed pay applications and inspected the construction.

Water Distribution System Study, Harrison County Utility Authority, MS

Mr. Stein was the Project Manager for this project. He also collected hydrant flow and pressure measurements in the field for the model calibration; and provided QA/QC and troubleshooting on the water model and report. This project updated the water models prepared by MSEG in February 2009 and created a master model for the W11, W12, W13, W15, and W18 water systems.

Water System Extension for Annexed Area, Waveland, MS

Mr. Stein served as Project Manager for the design and construction of approximately 26,672 LF of 6-inch, 90,790 LF of 8-inch, 10,177 LF of 10-inch, and 29,920 LF of PVC water mains. Scope of work included the installation of approximately 447 fire hydrants and 414 water services. This CDBG project provided a safe publicly operated water distribution and fire protection system to approximately 414 area residences.

Bayside Park Water Distribution System Extension, Hancock County Utility Authority, MS

Mr. Stein was the Project Manager for the design and construction services for the third phase of the Bayside Park Water Distribution System Extension Project that involves the installation of nearly 1,500 linear feet of 12" water main, 17,000 linear feet of 8" water main, 1,500 linear feet of 6" water main, fire hydrants, and water service connections.

Water System Extension for Annexed Area, Master Meter Connection, Waveland, MS

Mr. Stein served as Project Manager for the design and construction of approximately 1,207 LF of 12-inch water main. Scope included the installation of approximately directional drill 220 LF of 12-inch water main under Four Dollar Bayou, master meter and control valve station, fire hydrants, valves, telemetry, and all associated appurtenances.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Christina Shurley, P.E., Project Engineer

Project Assignment:

Engineering Design

Name of Firm with which associated:

digital engineering

Years' experience with this Firm:

10

Education: Degree(s)/Year/Specialization:

BS/2003/Civil Engineering

Active registration: Year first registered/discipline:

2011/Civil

Other experience and qualifications relevant to the proposed Project:

Christina has practiced civil engineering in the greater New Orleans area and Mississippi Gulf Coast for the past 10 years, primarily on stormwater management and the design of roadways, utilities, and flood protection. She is experienced in ArcGIS, WaterCAD , AutoCAD, and Microstation. Christina completed the Stormwater Management and Flood Control Modeling Workshop. Her experience includes the following:

Blue House Pump Station Rehabilitation, Jefferson Parish, LA

Assisting in the preparation of plans, specifications and bid documents for the rehabilitation of the Blue House Pump Station, one of the raw water intake pump stations for the Jefferson Parish East Bank Water Treatment Plant. Pump station rehabilitation includes the following: replacement of pumps, valves, electrical components, trash racks, hand winches, decking, stairs, guardrail and fencing; repair of wood pilings and concrete; and painting of the station building, roof, piping and other exposed metal surfaces. Ms. Shurley also prepared the application to determine if a Coastal Use Permit was required for the project.

East Bank Water Treatment Plant – Intake Pump Station Upgrades, Jefferson Parish, LA

Assisted with the preparation of a preliminary engineering report for required upgrades to the existing intake pump stations for the water treatment plant.

Harrison County Utility Authority Water Modeling, Harrison County, MS

Developed the master model for the Harrison County Utility Authority (HCUA) water system. Specific responsibilities included: 1) gathering and reviewing available information, including water usage, as-built drawings, well curves, tank shop drawings, and GIS data; 2) creating the water model in Bentley WaterCAD V8i software; 3) performing field tests for use in the calibration and validation of the computer model; 4) performing simulations and analyses for current and 10-year future conditions using average, peak and fire flow demands; 5) preparing a report summarizing the water model development and the results of the analyses. Ms. Shurley also uses the water model to assist the HCUA each year in their water budget for each of the member agencies.

Water Meter Replacements, Diamondhead Water and Sewer District, Diamondhead, MS

Coordinated the planning and design for the installation of an Advanced Metering Infrastructure (AMI) for the Diamondhead Water and Sewer District's water system. Her tasks included the following: coordination of the pre-project meeting with potential vendors and contractors to discuss the propagation study; preparation of specifications, bid documents, project quantities estimates, and the construction cost estimate; coordination of pre-bid conference; and evaluation of bid for recommendation of award.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Laney Rivera, P.E., Program Manager

Project Assignment:

Engineering Design

Name of Firm with which associated:

digital engineering

Years' experience with this Firm:

5

Education: Degree(s)/Year/Specialization:

BS/2012/Civil Engineering

Active registration: Year first registered/discipline:

2016 / Civil

Other experience and qualifications relevant to the proposed Project:

Laney Rivera has 10 years of professional engineering experience on utility projects throughout the greater New Orleans area. As Program Manager for DE, she is responsible for managing the City of Kenner Sewer Capital Improvement Program, City of Slidell LDEQ State Revolving Loan Program, City of Slidell LDH State Revolving Loan Program, St. John the Baptist Parish Water Meters and Billing System Program, Bayou Liberty Water Association LDH Loan Program. She has been responsible for preparation of the full loan applications to secure funding for Kenner, Slidell, St. John the Baptist Parish and Bayou Liberty Water Association.

Water Meter Reading and Billing System Project, St. John the Baptist Parish, LA

Prepared project specifications to replace all residential and commercial water meters in St. John the Baptist Parish with new water meters and an advanced metering infrastructure (AMI) system. The new AMI system will provide automatic meter reading and smart metering technology with leak detection software to St. John the Baptist Parish. She also prepared the full loan application to secure $6 million dollars in funding for St. John the Baptist Parish through a LDEQ Clean Water State Revolving Loan. She will manage the project as it goes into construction.

LDEQ SRF Sewer Capital Improvement Program, Slidell, LA

Program Manager for the City of Slidell's $16.4 million dollar sewer capital improvement program. Under this program, the City will be rehabilitating approximately 11 sewer lift stations along with upgrades and improvements to their wastewater treatment plant. As program manager, she manages each project from design through construction. She prepared the scope of work and cost estimate for each project along with preparing the full loan application to secure $16.4 million dollars in funding though the LDEQ Clean Water State Revolving Loan Fund. Laney reviews all loan reimbursements for the City of Slidell and manages the loan program budget. She is currently reviewing design submittals for the each of the sewer projects and coordinating review meetings with the City of Slidell and the design engineers.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Victoria Jaye, EI, Engineer Intern

Project Assignment:

Engineering Design

Name of Firm with which associated:

digital engineering

Years' experience with this Firm:

5

Education: Degree(s)/Year/Specialization:

BS/2017/Civil and Environmental Engineering
2020/Coastal Engineering Certificate, 2020/Coastal Sciences Certificate

Active registration: Year first registered/discipline:

2017/Engineer Intern

Other experience and qualifications relevant to the proposed Project:

Victoria is a graduate of MSU in Civil and Environmental Engineering and a recent graduate student of UNO in Coastal Engineering. She has worked on the Bogue Falaya Park shoreline protection project in Covington, LA. Her experience includes the following:

Jefferson Parish 303(d) Water Bodies Sampling Plan, Jefferson Parish, LA

Ms. Malley serves as the Project Engineer who prepared a 303(d) Water Bodies Sampling Plan in order for Jefferson Parish to maintain compliance with the 303(d)/TMDL Monitoring Section of its 2017 LPDES MS4 Permit. During the permit renewal process, LDEQ identified four 303(d) water bodies with impairments identified as caused by the MS4 within Jefferson Parish. The sampling plan includes Project Management, Measurement and Data Acquisition, Data Validation and Usability, and Mapping for use by Jefferson Parish Environmental Affairs personnel to comply with the sampling requirements of the permit.

Broadmoor Drainage Upgrades and Green Infrastructure, New Orleans, LA

Ms. Malley is responsible for the design and estimation of quantities for over 15,000 feet of new pipes to upgrade the storm water drainage system for the City of New Orleans. The drainage upgrades include reinforced concrete pipes up to 42" in diameter and over 4,000 cubic yards of subsurface storage for storm water.

Municipal Separate Storm Sewer System – SWPPP and SPCC Reports, Jefferson Parish, LA

Ms. Malley serves as Project Engineer responsible for preparing Storm Water Pollution Prevention Plan (SWPPP) reports for the Jefferson Parish Sanitary Landfill and Clearview, Sauve, Elise, Hoeys, Elmwood, and Suburban Drainage Pump Stations; and Spill Prevention, Control, and Countermeasure (SPCC) reports for the Jefferson Parish Sanitary Landfill and Elise, Clearview, Hoeys, Sauve, Cataouatche 1 and 2, Hero, Ames, Planters, and Whitney-Barataria Drainage Pump Stations. Each facility is required to prepare these reports every 5 years in order to be in compliance with its Louisiana Pollutant Discharge Elimination System (LPDES) Permit. Tasks included review of each facility's layout to identify potential pollution sources, identification of and improvements to practices to control pollutants and providing mechanisms for compliance with the terms and conditions of the permit.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Kevin McCord, EI, Engineer Intern

Project Assignment:

Engineering Design

Name of Firm with which associated:

digital engineering

Years' experience with this Firm:

3

Education: Degree(s)/Year/Specialization:

BS/2019/Civil Engineering

Active registration: Year first registered/discipline:

2019/Engineer Intern

Other experience and qualifications relevant to the proposed Project:

Bucktown Harbor Paddlers Launch and Parking Evaluation Phase Servcies, Jefferson Parish, LA
Engineer Intern for this contract and is responsible for developing the design drawings and specifications based on the overall site plan developed by the landscape architect as part of the Bucktown Harbor Park Master Plan. This project requires a high degree of coordination with the landscape architect while designing critical civil components along with considering the aesthetics of the materials to be used. Some of the design components Mr. McCord is responsible for include timber bulk heads, retaining walls, timber docks, kayak paddlers launch, rip rap break water, pedestrian bridges, and floating docks. The Bucktown Harbor Paddlers Launch is located on the southern side of Lake Pontchartrain and therefore requires a Coastal Use Permit (CUP) and Levee Safety Permit. Mr. McCord is also responsible for completing the permitting process for the CUP and Levee Safety Permit, which requires an understanding of the coastal environment and regulatory requirements of the governing agencies.

Jefferson Parish Bucktown Harbor South Wetland Birdwalk Entry Signage, Jefferson, LA
Project Intern responsible for permitting the construction work involved with the signage installation on this project. This required a Levee Safety Permit from the Flood Protection Authority and Coastal Use Permit from the Department of Natural Resources. This project is ongoing.

RESTORE ACT Direct Component Multipyear Implementation Plan, St. John Parish, LA
Project Intern assisting St. John the Baptist Parish in obtaining, implementing, managing and closing out utilities, drainage and coastal grant funded projects under the Louisiana Government Assistance Program, Community Water Enrichment Fund, Pontchartrain Restoration Program, Community Development Block Grant, EPA Grant funding, RESTORE Act, Southern Rail Commission, GOMESA, LCDBG and Delta Regional Authority.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Gabrielle Gollott, EI, Engineer Intern

Project Assignment:

Engineering Design

Name of Firm with which associated:

digital engineering

Years' experience with this Firm:

1

Education: Degree(s)/Year/Specialization:

BS/2019/Civil Engineering

Active registration: Year first registered/discipline:

2019/Engineer Intern

Other experience and qualifications relevant to the proposed Project:

Ms. Gollott is an Engineering Intern with two years experience providing support to our municipal clients with water distribution systems, wastewater collection networks and stormwater management improvements. Her experience includes hydraulic modeling, development of cost estimates, and review of plans and specifications as well as technical support for design of improvements. Abby has written a variety of stormwater reports including Spill Prevention Control and Countermeasure Plans, Stormwater Pollution Prevention Plans, Sampling Plans, Stormwater Management Plans, and MS4 Annual Reports as well as grant applications for Gulf of Mexico Energy Security Act (GOMESA) funds.

2017 Louisiana Department of Environmental Quality (LDEQ) State Revolving Loan Fund (SRF) Wastewater Program Management, City of Kenner Public Works, Kenner, LA

Ms. Gollott developed cost estimates for priority projects including rehabilitation of two (2) lift stations, four (4) clarifiers, and a force main as part of the City's $65 million Sewer System Rehabilitation Program.

Louisiana Department of Environmental Quality (LDEQ) State Revolving Loan Program, City of Slidell Engineering Department, Slidell, LA

Ms. Gollott provided reviews for two (2) water main extension projects as part of the City's $16.4 million dollar sewer capital improvement program. Under this program, the City will rehabilitate approximately 11 sewer lift stations along with upgrades and improvements to their wastewater collection and treatment facilities.

Diamondhead Water and Sewer New Elevated Storage Tank, Diamondhead, LA

Ms. Gollott attended meetings and documented minutes supporting development of this project providing an additional 750,000 gallons of water storage capacity to the existing 500,000 gallons of storage, resulting in capacity requirements set by MSDH for the current population in the City of Diamondhead, as well as the project 2040 population.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Neal Belmonte, Project Manager

Project Assignment:

Design Support & Construction Services

Name of Firm with which associated:

digital engineering

Years' experience with this Firm:

13

Education: Degree(s)/Year/Specialization:

BS/2007/Health & Kinesiology

Active registration:Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

Neal has over fourteen years of experience as a field technician, design technician, and construction manager. As a design technician he has extensive experience using Civil 3D, ARC GIS, and Microsoft Excel to design multiple roadway and drainage projects and develop cost estimates.

St. Bernard Parish Water Loan, St. Bernard Parish, LA
Program Manager responsible for overseeing the budget, design, permitting, bidding, construction, and closeout of multiple water line replacement projects in St. Bernard Parish. He also assists the Parish in developing standard design and construction approaches for utilities and pavement to be utilized on the projects. Mr. Belmonte coordinates with design firms, contractors, St. Bernard Parish officials, and LDH officials to determine the scope of utility relocations, pavement repair methods, and pavement repair extents. Typical pavement repair includes sidewalks, driveways, roadways, and ADA ramps at intersections.

Increased Pumping Capacity to the Parish Line Pump Station, Jefferson Parish, LA
Construction Manager and provided drafting services, coordinated with electrical/mechanical consultants, and was involved in the bidding process for the design of increased pumping capacity at the existing Parish Line pumping station along with adjacent intake canal improvements. Design of short term improvements included the addition of 350 cfs pumping capacity and related conveyance system improvements.

Pilot Canal Maintenance Phase I, Phase 2, Phase 3 - Jefferson Parish, LA
GPS services to verify SCADA readings and set informational benchmarks at drainage pump stations in Jefferson Parish. GPS services and field assessments were also performed in the towns of Lafitte, Jean Lafitte, and Crown Point to determine existing ground profiles to help prevent future flooding. He also completed a full hydrographic survey of the Duncan Canal, Suburban Canal, and Canal #7. All of this acquired information is uploaded into Jefferson Parish's GIS database for use in flood control methods.

Replacement of Diesel Engines and Rehabilitation of Pump Gears at Suburban Pump Station, Jefferson Parish, LA
Project Manager overseeing the design, bidding, and construction of the new engines and gear rehabilitation while coordinating with Jefferson Parish, contractors, electrical engineers, and mechanical engineers. This project work consists of engine replacement along with new piping, radiators, mufflers, and gear refurbishment to Pump Nos. 4 and 5 at Suburban Pump Station.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Michael Cochran, Design Technician

Project Assignment:

Design Support

Name of Firm with which associated:

digital engineering

Years' experience with this Firm:

5

Education: Degree(s)/Year/Specialization:

AA/2003/Drafting and Design Technology

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

Mr. Cochran has over 15 years of experience in preparing plans and specifications for flood protection, utilities, and structural projects throughout coastal Louisiana. He is skilled in AutoCAD, AutoCAD Civil 3D, Architectural Desktop (AutoCAD), and Revit Structural (3D Modeling). His experience includes:

Jefferson Parish East Bank Water Treatment Plant, Jefferson Parish, LA
Design Support responsible for the preparation of construction plans for the rehabilitation design of the Blue House and Levee Intake Pump Stations that provide raw water to the water treatment plant and the rehabilitation of the P3 Plant mechanical and electrical components.

Trans Main Repair | Replacement in Central City, New Orleans Sewerage and Water Board, LA
Design Support for design for the replacement of existing 4" to 12" water distribution lines in the Hollygrove and Gert Town Neighborhoods. He is responsible for the drafting of all construction plans including design layout and all detailing.

Terry Parkway Drainage Improvements (Carol Sue to Industry Canal), Jefferson Parish, LA
Design Support for installation of 3,000 lf of a double cell concrete box culvert and concrete flume to enclose an existing drainage canal. Scope also included restoration of the existing street and utility relocation due to box culvert installation.

North Sibley at West Napoleon Drainage Improvements, Jefferson Parish, LA
Design Support for the design of a new 20 cfs drainage pump station 15" thru 36" subsurface drain lines to improve drainage at North Sibley and West Napoleon Avenue.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Donnie Wittke, Design Technician

Project Assignment:

Design Support

Name of Firm with which associated:

digital engineering

Years' experience with this Firm:

12

Education: Degree(s)/Year/Specialization:

AA/2002/Drafting and Design Technology FAA Remote Pilot Certification/Small Unmanned Aircraft System

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

Donnie has 15 years of experience in CADD design and drafting for coastal, drainage, and flood control projects. He is also FAA certified to fly drones and will take video footage of remote coastal locations to see preliminary and construction progress of projects assigned under this contract. His experience includes the following:

Parish Line Pump Station, Jefferson Parish, LA
Design Support for the design of increased pumping capacity of the existing Parish Line Drainage Pump Station along with adjacent intake canal improvements.

Jefferson Parish East Bank Water Treatment Plant, Jefferson Parish, LA
CADD Technician responsible for the preparation of construction plans for the rehabilitation design of the Blue House and Levee Intake Pump Stations that provide raw water to the water treatment plant and the rehabilitation of the P3 Plant mechanical and electrical components.

Trans Main Repair | Replacement in Central City, New Orleans Sewerage and Water Board, LA
CADD Technician for design for the replacement of existing 4" to 12" water distribution lines in the Hollygrove and Gert Town Neighborhoods. He is responsible for the drafting of all construction plans including design layout and all detailing.

Drainage Improvements to Gulizo Canal, Jefferson Parish, LA
Design Support Technician during design of a 20' wide u-channel with steel sheetpile walls, concrete bottom, and concrete slop paving on the Gulizo Canal. The project is approximately 1500' and includes a transition to an existing concrete channel on the Eighty Arpent Canal.

Drainage Improvements to Canal No. 2 Culvert Crossing at California Avenue, Jefferson Parish, LA
Design Support during design of a new triple cell 9'x9' box culvert with headwalls to replace an existing culvert crossing at California Avenue and West Esplanade Avenue. Design included replacement and alteration of existing roadway crossing and utility lanes.

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:
Evaluation of Automated Metering and Billing System for Water Service in Jefferson Parish *Jefferson Parish, LA* Owner Jefferson Parish Department of Water 1221 Elmwood Park Blvd Jefferson, LA 70123 Sidney Bazley, Interim Director 504-736-6060 sbazley@jeffparish.net	The existing water meters in Jefferson Parish are past their useful life. Many are twenty years or older which industry standards suggest that these meters have lost accuracy and Jefferson Parish is not capturing the actual revenue based on the amount of water treated and pumped into the water distribution system. Jefferson Parish currently reads meters manually and also estimates a portion of the meters in the water system except for in Grand Isle where an Automated Meter Reading system is in use. Jefferson Parish wishes to investigate the possibility of transitioning all or a portion of the existing meter system to Advanced Metering Infrastructure (AMI) and selected DE along with two sub-consultants to provide the evaluation. This feasibility study is required to assess the options available to Jefferson Parish and make recommendations on how to move forward with a potential AMI system. Jefferson Parish tested a representative sample of existing residential water meters in the water distribution system for accuracy to determine the amount of water revenue currently lost due to meter inaccuracy. DE analyzed and reviewed a representative sample of commercial and residential meters that have recently been replaced to determine the amount of additional water revenue captured by installing new meters. An inventory of all existing meter types and quantities and meter boxes was performed to determine if they are acceptable for an AMI system or if replacement or retrofit will be required. Similarly, the existing billing system and its compatibility with an AMI system was reviewed.

DE met with potential AMI and meter vendors to discuss the different meters and AMI systems available to Jefferson Parish. DE analyzed and evaluated the different systems in the report to help Jefferson Parish determine which type of AMI system that would best fit their water system and that they would like to procure.

The report summarized the results of the meter testing inventory data and discussed potential procurement, funding sources, and implementation options which included cost estimates of each implementing option. It was recommended that if Jefferson Parish decides to move forward with an AMI system and water meter project, that the most economical and feasible option is to replace the larger meters (2-inch and above) and Grand Isle meter transmitter/radio replacement based on cost and available funding. This project option would install the AMI infrastructure throughout the entire Parish. It was also recommended that the water department begin replacing the smaller meters on an annual basis with their yearly budget and these smaller meters would be able to read through the AMI system as they are installed.

KEY PERSONNEL INVOLVED: Robert Delaune, Jr., P.E.; Laney Rivera, P.E.; Gabrielle Gollott, EI

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2019 (A)	$227,520	$131,783 (fee)

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 2

Project Name, Location and Owner's Contact Information:	Nature of Firm's Responsibility:
East Bank Water Treatment Plant Improvements *Jefferson Parish, LA* Owner Jefferson Parish Department of Water 1221 Elmwood Park Blvd Jefferson, LA 70123 Sidney Bazley, Interim Director 504-736-6060 sbazley@jeffparish.net	Digital Engineering (DE) is part of the design team selected to make improvements to the Jefferson Parish East Bank Water Treatment Plant. Through performance of a condition assessment and conceptual engineering evaluation, a project concept was developed to improve the water supply and treatment infrastructure at the East Bank Water Treatment Plant. Project components will include a new consolidated bacterial and chemistry laboratory, rehabilitated raw water intakes (blue house and levee intakes), 40 MGD conventional water treatment plant expansion (P4 facility), and rehabilitation of the P3 facility. DE, as a subconsultant to Stantec, will serve as the Louisiana licensed Engineer of Record for the Raw Water (Blue House and Levee Raw Water Intakes) Rehabilitation performing civil, structural, and mechanical disciplines and the P3 Facility Rehabilitation performing structural and mechanical disciplines. DE is also tasked with preparing the System Improvement Plan, Business Plan, and Loan Pre-Closing Package for a Louisiana Department of Health Drinking Water Revolving Loan that will fund $30 million in the improvements. The current estimated cost of the project is $120 million and Jefferson Parish will fund the remaining portion above the loan amount. The Raw Water Intake project will be completed in two phases. Currently DE is working on Phase I which is the rehabilitation of the Blue House Intake Pump Station. The rehabilitation will include replacement of all four pumps, valves, piping, piling restoration, and other miscellaneous civil and mechanical upgrades. Design of the Blue House was completed in May 2019 and construction began in late 2019.

KEY PERSONNEL INVOLVED:
Robert Delaune, Jr., P.E.
Andrew Woodroof, P.E.
Christina Shurley, P.E.
Neal Belmonte
John stein, P.E.
Vicotira Jaye, EI
Donnei Wittke
Mickey Cochran
Kevin McCord, EI

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing (Design)	$120 million	$707,000 (fee)

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 3

Project Name, Location and Owner's Contact Information:	Nature of Firm's Responsibility:
Barataria Waterway Waterline Crossing *Jefferson Parish, LA* Owner Jefferson Parish Department of Water 1221 Elmwood Park Blvd., Ste. 908 Jefferson, LA 70123 Sidney Bazley, Interim Director 504-736-6060 sbazley@jeffparish.net	Digital Engineering (DE) was selected by the Jefferson Parish Council to provide engineering design, bidding, construction administration and resident inspection services for the construction of new 10-inch and 8-inch waterlines on either side of Barataria Waterway with 10-inch crossing under Waterway. Additional services include preparing and securing a Coastal Use Permit, U.S. Army Corps of Engineers 408 Permit, Coast Guard Aids to Navigation Permit, Lafitte Levee District Permit, LA Department of Heath Permit, and LDOTD Permit as well as coordinating all servitude acquisitions and providing Community Water Enrichment Fund (CWEF) grant administration.

KEY PERSONNEL INVOLVED: Robert Delaune, Jr., P.E.; Andrew Woodroof, P.E.; Donnie Wittke

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2022 (Estimated)	TBD	$125,760 (fee)

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 4

Project Name, Location and Owner's Contact Information:	Nature of Firm's Responsibility:
River Road Waterline Replacement Phase II *Jefferson Parish, LA* Owner Jefferson Parish Dept of Water 1221 Elmwood Park Blvd Jefferson, LA 70123 Sidney Bazley, Interim Director 504.736.6060 sbazley@jeffparish.net	This project was funded through a Louisiana Department of Health Drinking Water Revolving Loan. DE provided loan administration, design, bidding, construction administration, resident project representative, and Davis Bacon compliance services for the replacement of 2.6 miles of existing 8-inch water line with 12-inch water line along River Road on the West Bank of Jefferson Parish from Rivet Boulevard to Willswood Drive. The new water line included all hydrants, valves, fittings, and tie-ins required to provide potable water service and fire protection service along River Road in Waggaman. The main challenge during construction was to install the new water line far enough from the edge of the roadway so the asphalt pavement section would not be compromised while also keeping the existing water line in service. This was accomplished by close coordination between the design team and contractor in the field during construction.

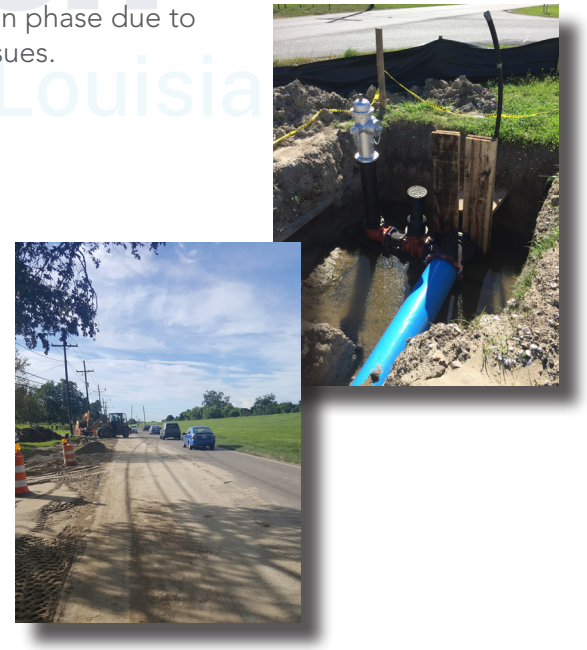
KEY PERSONNEL INVOLVED:
Robert Delaune, P.E.
Andrew Woodroof, P.E.
Matthew Chatelain
Mike Prine

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2018 (A)	$1,545,000 (construction)	$381,980 (fee)

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 5

Project Name, Location and Owner's Contact Information:	Nature of Firm's Responsibility:
Jefferson Parish Water Loan for East and West Jefferson *Jefferson Parish, LA* Owner Jefferson Parish Department of Water 1221 Elmwood Park Blvd Jefferson, LA 70123 Sidney Bazley, Interim Director 504-736-6060 sbazley@jeffparish.net	DE performed an application and successfully received approval for funding of a $5,375,000 Drinking Water Resolving Loan through the Louisiana Department of Health & Hospitals. DE was responsible for the loan administration and management, preparation of the System Improvement Plan, as well as the Environmental Impacts Document. DE provided design, bid, and construction administration services for the project, as well as served as the Davis Bacon Act Administrative Consultant. The loan included the design of three separate water line construction projects, two of which were completed and one which was abandoned after the completion of design. The first project included 12,000 linear feet of new 12-inch water line and required fire hydrants and isolation valves on River Road from Rivet Boulevard to the St. Charles Parish line with a total estimated construction cost of $4.5 million. The second completed construction project was a 2.6 mile extension of 12" diameter water line from Rivet Boulevard to Willswood Drive. Also included was the design of another 12-inch water line referred to as the Live Oak Extension which was abandoned after final completion of the design phase due to numerous permitting issues.



KEY PERSONNEL INVOLVED:
Robert Delaune, P.E.

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2019 (A)	$6 million (construction)	$1,372,405 (fee)

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 6

Project Name, Location and Owner's Contact Information:	Nature of Firm's Responsibility:
Huey P. Long Bridge Improvements (Water & Sewer Relocations) *Jefferson Parish, LA* Owner Jefferson Parish Dept. of Public Works 1221 Elmwood Park Blvd., Ste. 904 Jefferson, LA 70123 Mark Drewes, P.E., Director 504.736.6783 mdrewes@jeffparish.net	Digital Engineering provided civil engineering, construction administration, traffic engineering, and roadway alignment evaluation services for widening the existing Huey P. Long Bridge crossing and reconstruction of the roadway approaches to the bridge and the two major interchanges on both banks of the Mississippi River. During the development of the roadway alignment, Digital Engineering served as representative for Jefferson Parish to evaluate traffic impacts and operations including the development and analysis of a VISSIM traffic model to simulate future traffic conditions with the proposed improvements in place. Through the use of the VISSIM traffic model and geometric design reconfiguration of the Westbank bridge approaches, LADOTD saved millions of dollars on construction and land acquisition costs on this project. As a result of DE's successful involvement on Jefferson Parish's behalf, the Parish also selected DE for engineering design, construction administration, and resident inspection services for the relocation of Parish water and sewer utilities to facilitate the construction of the new bridge approaches. This work incorporated the use of jack and bore to install utilities across an existing railroad spur that crossed Jefferson Highway. DE worked closely with LADOTD Timed Program Managers during inspection of the water and sewer relocations over a three year period on both the east and west banks of the River.

KEY PERSONNEL INVOLVED:
Kurt Evans, P.E.
Donnie Woodroof

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013 (A)	$400,000,000 (overall)	$1,333,000 (fee)

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 7

Project Name, Location and Owner's Contact Information:	Nature of Firm's Responsibility:
Jefferson Parish Replacement Bar Screening for the Water Intake System at the West Jefferson Water Plant *Jefferson Parish, LA* Owner Jefferson Parish Department of Water 1221 Elmwood Park Blvd. Jefferson, LA 70123 Sidney Bazley, Interim Director 504.736.6060	Digital Engineering (DE) was selected by Jefferson Parish for the design, construction administration, and inspection of new bar screens for the submerged Old Water Intake System at the West Jefferson Water Plant. The project included the replacement of the existing damaged screens as well as the construction of four new dolphin barriers in the Mississippi River on the West Bank of Jefferson Parish. DE's responsibilities included obtaining permits from the Coast Guard, U.S. Army Corps of Engineers, Louisiana Office of Coastal Management, and the West Jefferson Levee District, as well as coordinating the services of a professional diver to determine the existing condition of the structure. The West Bank Water Treatment Plant consists of two separate intake structures. DE prepared plans and specifications for bid to construct two new bar screens for the two water intakes which are 36 inches and 24 inches in diameter to prevent trash entering the intakes. Additionally, four three-pile protective dolphins to protect the intake structures in the Mississippi River were constructed. Bids were received in June 2012 and construction was completed in March 2013 with no additional change orders.

KEY PERSONNEL INVOLVED:
Robert Delaune, P.E.
Kurt Evans, P.E.
Andrew Woodroof, P.E.
Christina Shurley, P.E.
Neal Belmonte
Mickey Cochran
Donnie Wittke
John Stein

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013 (A)	$994,000 (fee)	$91,722 (fee)

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 8

Project Name, Location and Owner's Contact Information:	Nature of Firm's Responsibility:
Dupre Street Water Main *New Orleans, LA* Owner Sewerage & Water Board of New Orleans 625 Saint Joseph Street New Orleans, LA 70165 Randall Schexnayder, P.E., Project Manager 504.930.7211 rschexnayder@swbno.org	Digital Engineering (DE) was selected by Jefferson Parish for the There is a FEMA authorized transmission main that requires replacement or repair in the Gert Town neighborhood. The work consists of the evaluation, design, bidding and construction administration for the replacement or repair-in-place of an existing 42-inch diameter water transmission main on Dupre Street fromMartin Luther King Drive to Earhardt Boulevard. The water transmission main is deteriorated, past it's useful life, and requires replacement or trenchless repair in place to extend the useful life of the water main an additional twenty years.

As part of the preliminary design process, DE was tasked with performing preliminary engineering analysis of the proposed improvements. The preliminary engineering analysis required analyzing all possible methods of construction to determine the best alternative for the project. Controlling factors such as offsets, condition of existing roadway, constructibility challenges and construction costs were considered. Based on the analysis, it was determined to repair the main in place with an innovative technology known as Compression Fit HDPE Lining. In this process, the line is isolated and dewatered and a high density polyethylene pipe of slightly large diameter than the host pipe is pulled through a reducing device and stretched, effectively reducing the diameter so that it can be pulled through the host pipe. Once the pull is complete, tension is released from the HDPE pipe, which allows the pipe to rebound to its original diameter and fit securely within the host pipe. This method provides a cost-effective solution that also minimizes disruption in high-traffic areas.

In order to implement the compression fit HDPE method, DE also designed a 42" line stop and new 42" butterfly valve and valve vault so the transmission main can be effectively isolated.

The project has been bid and awarded and construction will be commencing in the near future. DE will be providing administration and inspection of the construction.

KEY PERSONNEL INVOLVED:
Robert Delaune, P.E.
Andrew Woodroof, P.E.
Victoria Jaye, EI
Mickey Cochran

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
TBD	$2,419,891	$277,000 (fee)

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 9

Project Name, Location and Owner's Contact Information:	Nature of Firm's Responsibility:
Administration & Management of LDHH Drinking Water Loan Fund *St. John the Baptist Parish, LA* Owner St. John the Baptist Parish 1801 West Airline Hwy Laplace, LA 70068 Jaclyn Hotard, Parish President 985.652.9569 jhotard@stjohn-la.gov	Digital Engineering prepared an application and successfully received funding of a $6,000,000 Drinking Water Revolving Loan through the Louisiana Department of Health & Hospitals. DE is responsible for the following: 1. Loan administration and management, 2. Preparation of the System Improvement Plan with Environmental Impacts, 3. Preparation of the Environmental Information Document, 4. Preparation of the business plan, 5. Provide Davis Bacon Act Administrative Consultant services for the project. Projects to be included in the loan are the following: • Lions Water Treatment Plant Pump Station Project (under construction) • New Water Distribution Line crossing the Mississippi River (completed November 2015) • Replacing Filters at the Lions Water Treatment Plant (completed June 2015) • Replacing Altitude Valves in Four Water Distribution Towers (completed June 2015) • Ultraviolet Disinfection for the Lions Water Treatment Plant (completed January 2016)

KEY PERSONNEL INVOLVED:
Robert Delaune, P.E.
Andrew Woodroof, P.E.
Kevin McCord, EI
Donnie Wittke

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	$6,000,000 (overall)	$381,554 (fee)

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 10

Project Name, Location and Owner's Contact Information:	Nature of Firm's Responsibility:
St. Bernard Parish Drinking Water Revolving Loan and Waterline Replacement Project *St. Bernard Parish, LA* Owner St. Bernard Parish DPW 1125 East St. Bernard Highway Chalmette, LA 70043 Donald Bourgeois, Director 504.271.7966 drbourgeois@sbpg.net	Digital Engineering (DE) is responsible for program management of St. Bernard Parish's Drinking Water Revolving Loan Fund projects which are funded by the Louisiana Department of Health and Hospitals (LDHH) Drinking Water Revolving Loan Fund. The $24,000,000 program consists of 11 different projects totaling nearly $18,900,000 in construction costs. Through this program, St. Bernard Parish will replace 53 waterline segments throughout the Parish and construct a new water transmission main to improve water quality in lower St. Bernard Parish. In total, approximately 80,850 linear feet of water line ranging from 6 inch to 12 inch diameter will be replaced and 31,680 linear feet of 12 inch and 20 inch diameter transmission line will be constructed. As the Program Manager, DE is responsible for preparation of the System Improvement Plan (SIP), Business Plan, and Operations and Maintenance Manual as well as Loan Administration and Management. DE manages individual design teams for all projects and coordinates design, bidding, construction administration, and resident inspection with LDHH. Additionally, DE will prepare all loan reimbursement requests and will manage Davis Bacon Act compliance and American Iron and Steel compliance. In addition to Program Management, DE was tasked with the design, bidding, and construction administration of Waterline Replacement Project 1.1 and 1.5 which were the first projects to be funded by the loan. Project 1.1 included the construction of 14,000 linear feet of new 8 inch water lines and abandonment of existing 6 inch and 10 inch water lines along Mehle Avenue from North Peters to St. Bernard Highway; Mehle Avenue from Judge Perez to Mustang; Friscoville Avenue from North Peters to St. Bernard Highway; Rowley Avenue from Judge Perez to Patricia; Patricia from Mehle to Aycock; Royal from Mehle to Friscoville; and Mustang from Mehle to Esteban. The new water lines were constructed complete with all required isolation valves, fire hydrants, and water service lines. Project 1.5 involved engineering design, construction administration, Davis Bacon compliance, and American Iron and Steel (AIS) compliance for 2,200 linear feet of 8 inch diameter water line that replaced existing 6 inches through 10 inches diameter water lines and associated fire hydrants and isolation valves in Arabi. The water lines which were replaced were existing 6 inch through 10 inch water lines along Aycock Street from Brittany Place to Pamela Street; Pamela Street from Aycock Street to Tennobrach Street; Pamela Place from Pamela Street to Brittany Place utility servitude; and Brittany Place utility servitude from Aycock Street to Pamela Place. This new water line replaced severely aged cast iron water lines and provides additional capacity for residents and increased water quality.

Post Construction New Water Booster Station

Post Construction Water Line

KEY PERSONNEL INVOLVED:

Kurt Evans, P.E.; Robert Delaune, Jr., P.E.; Andrew Woodroof, P.E.; Christina Shurley, P.E.; Victoria Malley, EI; Kevin McCord, EI; Abby Gollott, EI; Mickey Cochran; Donnie Wittke

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2020 (E)	$18,900,000 (construction)	$1,790,330 (fee)

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. 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.

digital engineering

WHO WE ARE

Digital Engineering (DE), a full-service engineering firm, has been providing transportation and water resources engineering and planning services throughout southeast Louisiana for over 30 years. Established in 1990, DE is headquartered in Kenner at 527 West Esplanade Boulevard.

With a full-time staff of 42, the DE firm is comprised of:

- Professional Engineers
- Coastal Professionals
- Professional Traffic Operations Engineers
- Roadway Safety Professionals
- Professional Transportation Planner
- Design Technicians/Drafting Specialists
- Construction Managers
- Construction Inspectors
- LADOTD Certified Inspector
- Administrative Support Staff

Bettering our communities along the Gulf Coast is our sole purpose in prioritizing our clients' needs and offering them cradle-to-grave services to successfully implement projects at any stage.

WHAT WE DO

DE's definition of "full-service engineering" is delivering quality products and projects to surpass the clients' goals, ensure their objectives are delivered, and ultimately our communities are improved. As a Small Business, we make it a priority to fully engage our clients in their projects and provide them a personal touch by offering full access to principals and project managers on every project.

HOW ARE WE DIFFERENT

What sets DE apart in the engineering community is our commitment to our clients that goes above and beyond just esigning or constructing projects to their satisfaction. Developing close working relationships with our clients allows us to become a virtual extension of their staff. By becoming a virtual extension of their staff, we are able to offer and achieve efficiency and continuity thus accomplishing our shared mission of improving the communities we live and work in.

MINIMUM PERSONNEL REQUIREMENTS

JEFFERSON PARISH REQUIREMENTS	DE TEAM MEMBERS
1. The persons or firm under consideration shall have at least one (1) principal who is a professional engineer in the State of Louisiana.	Kurt Evans, P.E. Robert Delaune, P.E. Andrew Woodroof, P.E.
2. The persons or firm under consideration shall have a professional engineer in charge of the project who is a registered as such in Louisiana with a minimum of five (5) years' experience in the disciplines involved.	Andrew Woodroof, P.E.
3. The persons or firm under consideration shall have one (1) employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project. (A sub-consultant may meet this requirement only if the advertised Project involves more than one discipline.)	Kurt Evans, P.E. Robert Delaune, P.E. Andrew Woodroof, P.E. Christina Shurley, P.E.

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

EVALUATION CRITERIA

Professional Training & Experience

DE and our staff have served as professional engineering consultants for Jefferson Parish water projects for over 30 years.

We are experienced and skilled in providing professional engineering services for the following project types:

- Water Treatment
- Water Distribution
- Water Intake Structures
- Water Disinfection
- Water Distribution Modeling
- Water System Master Plans
- Water System Program Management
- Water Transmission Mains

We have included a matrix below that illustrates the training and experience of our personnel that appear on the organization chart and whose detailed resumes are included in this questionnaire.

DE TRAINING & EXPERIENCE MATRIX

Professional	Degree	Louisiana Professional Civil Engineer	Years of Relevant Water Project Experience	Experience with Jefferson Parish Water Projects
Kurt Evans, P.E.	BS/Civil	•	42	•
Andrew Woodroof, P.E.	BS/Civil	•	11	•
Robert Delaune, P.E.	BS/Civil	•	21	•
John Stein, P.E.	BS/Civil	•	30	•
Christina Shurley, P.E.	BS/Civil	•	18	•
Laney Rivera, P.E.	BS/Civil	•	5	•
Victoria Jaye, EI	BS/Civil		5	•
Kevin McCord, EI	BS/Civil		3	•
Gabrielle Gollott, EI	BS/Civil		1	•
Neal Belmonte	BS/Health & Kinesiology		13	•
Mickey Cochran	AA/Design & Drafting		18	•
Donnie Wittke	AA/Design & Drafting		15	•

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.

Capacity for Timely Completion of the Project

We have assigned thirteen (13) key personnel to this contract who all are experienced in supporting our clients with a range of water engineering related services.

DE's staffing/resource capacity combined with our office location in Jefferson Parish will allow for timely response and completion for any and all engineering services that Jefferson Parish may require as a part of this contract.

Location of Principal Office

Digital Engineering's main office is located in Jefferson Parish at 527 West Esplanade Avenue, Suite 200, in Kenner, Louisiana 70065. All project management and engineering services will be performed at this location.

Adversarial Legal Proceedings

Digital Engineering has not been involved in any litigation with Jefferson Parish, nor with any of our Louisiana clients.

Prior Successful Completion of Projects

DE's record on public contracts is exemplary as shown by the project experience demonstrated herein. We have an excellent history of working with Jefferson Parish.

For further discussion of our services to Jefferson Parish and other public entities, we invite you to contact the following references:

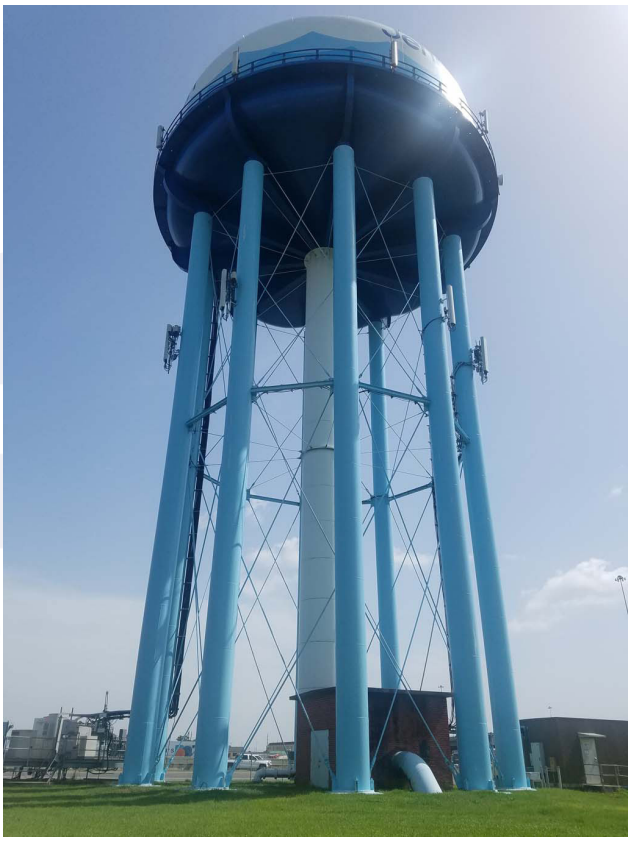
Neil Schneider, P.E. (504) 349-5800
Director of Capital Projects, Jefferson Parish

Mark Drewes, P.E., (504) 736-6784
Director, Department of Public Works, Jefferson Parish

Tom Schreiner, (504) 468-7515
Deputy CAO-Public Works, City of Kenner

Size of Firm

DE is comprised of 42 employees. We have the in-house resources within our Kenner office to support Jefferson Parish with all project management and engineering services for this project.



TEC Professional Services Questionnaire

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

Past Performance by Person or Firm on Parish Contracts

DE has provided professional engineering services for a variety of projects for Jefferson Parish including environmental, coastal, roadway, sewer, water, drainage, and building projets.

Listed within are a few quotes that attest to our ability to complete projects on time and within budget.

> City Park New Orleans and LADOTD worked with DE for Construction Engineering/Management and Inspection phase of the Tri-Centennial Place Improvements. DE was very attentive to this and the project was completed ontime and under budget. Services that DE provided have been excellent and their staff is very knowledgeable and experienced in providing the necessary services associated with this project and all the requirements with administering a project through LADOTD. Their staff was attentive to our needs and addressed issues that arose during construction in a very timely manner.
>
> Meg Adams, P.E., Construction Manager
> New Orleans City Park

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

Signature: Kurt M. Evans Print Name: Kurt Evans, P.E.

Title: CEO, Principal Date: 03/31/2022


Jefferson
Parish
State of Louisiana


digital
engineering