

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ No. 24-015 – Professional routine Engineering Services for Drainage Projects in Jefferson Parish

Resolution No. 144202

B. Firm Name & Address:

**Quality Engineering & Surveying, LLC
18320 Hwy 42
Port Vincent, LA 70726**



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:

**Deric J. Murphy, PE, LSI
President | Principal in Charge
18320 Hwy 42
Port Vincent, Louisiana 70726
(225) 698-1600
dmurphy@qesla.com**

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

**Deric J. Murphy, PE, LSI
President | Principal in Charge
18320 Hwy 42 Port Vincent, Louisiana 70726
(225) 698-1600
dmurphy@qesla.com**

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

<u>9</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u> </u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u>8</u> Civil Engineers	<u> </u> Interior Designers	<u>4</u> Project Managers
<u>1</u> Construction Inspectors	<u>2</u> Landscape Architects	<u>4</u> Clerical
<u> </u> Ecologists	<u>7</u> Land Surveyor	<u>4</u> Grant/Funding
<u> </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u>3</u> Engineer Intern	<u> </u> Environmental Engineers	
<u>4</u> Professional Land Surveyors		<u>46</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. N/A

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. N/A	N/A	N/A
2. N/A	N/A	N/A
3. N/A	N/A	N/A

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

N/A

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:

**Deric J. Murphy, PE, LSI
President | Principal in Charge**

Project Assignment:

Principal In Charge

Name of Firm with which associated:



Quality Engineering & Surveying, LLC

Years' experience with this Firm:

15 years with QES

2 years in total in industry

Education: Degree(s)/Year/Specialization:

Bachelor degree in Civil Engineering from Louisiana State University-1996

Active registration: Year first registered/discipline:

Professional Engineer No. 0029602

First Registered- 2001

Other experience and qualifications relevant to the proposed Project:

Mr. Murphy is the QES principal in charge and serves as president. He is a licensed Civil Engineer and Land Surveyor Intern with 25 years of experience designing, reviewing, surveying, and managing multiple types of projects for both public and private sectors. He works on and provides advisory services for civil design, land development projects, master planning, feasibility studies, due diligence and codes and ordinance research. Mr. Murphy engages in all project phases including conceptual design, cost estimating, final design, construction administration, public outreach, and interaction with relevant governmental agencies.

Breaux Bridge Manor Drainage Improvements

QES was selected to complete the studies and design of the Breaux Bridge Manor Drainage Improvement project. The project will remove an existing box culvert that is set at the wrong elevation along Doyle Melancon Road in Breaux Bridge, LA. A larger culvert will replace the existing culvert and will be set at the appropriate elevation to ensure proper conveyance of water in the drainage area.


Ethel Street Drainage Project, Madison Parish

Quality Engineering & Surveying was selected to provide engineering service to improve drainage in the Ethel Street area of the City of Tallulah. During hard rain events the streets are overtopped with water and residential structures flood. This project required completing a study of 45 acres and will be a substantial overhaul of the existing drainage structures to protection to resident up to a 25 year event.


Boudreaux to Gilmore Drainage Improvements, St. Mary Parish

Mr. Murphy is the Principal Design Engineer on this project. His role included civil site design and project oversight. The Boudreaux Street to Gilmore Drive Drainage Improvements project will convert a 1,117 lineal feet earthen ditch into a subsurface drainage system that backs- up and causes water to pond in a residential subdivision in which houses flood on a regular basis.


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Mason Bonano, PE Municipal Project Engineer & Manager	
Project Assignment:	
Project Manager	
Name of Firm with which associated:	
	Quality Engineering & Surveying, LLC
Years' experience with this Firm:	
2 years with QES	7 years in total in industry
Education: Degree(s)/Year/Specialization:	
Bachelor degree in Civil Engineering from Louisiana State University-2017	
Active registration: Year first registered/discipline:	
Professional Engineer No. 0029602	First Registered- 2020
Other experience and qualifications relevant to the proposed Project:	
<p>Mr. Bonano has just started working at Quality Engineering & Surveying, LLC. He has previously served as Project Manager and Engineer at Stuart Consulting Group, Inc. where he specialized in Project Management, Construction Administration, Generating Cost Estimates, CAD Designs, Drainage & Pump Calculations, Utility & Client Coordination, and Generating Specifications on municipality projects</p> <p>Livingston Parish Gravity Drainage District No. 1 Watershed Program Management Mr. Bonano now oversees all construction and development for the Livingston Parish Gravity Drainage District No. 1 as the program manager. QES also served as the professional of record reviewing all development within the district. Mr. Bonano additionally bridged the gap between the mission of the Livingston Parish Gravity Drainage District No. 1 and the Community Rating System to benefit the City of Denham Springs.</p> <p>West David Drive Drainage Improvement Mr. Bonano is the project manager of the West David Drive Drainage Improvement Project where he led the grant department in the procurement of necessary funds from the 2016 floods HMGP for an existing neighborhood. This project involved the study and development of plans for the installation of a new subsurface system along the street to provide a clear path to the outfall location. This affects approximately 50 homes.</p> <p>River Road Drainage Improvement Project As the project manager, Mr. Bonano led the QES team through the HMGP process for the River Road Drainage Improvement Project. This project was necessary to address the flooding issues that existed with cross-drain culverts in an existing neighborhood. This project involved the study and development of plans for the installation of a new subsurface system along the street to provide a clear path to the outfall location. This affects approximately 1000 single home properties</p>	


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Christian Hoppmeyer Engineering Technician	
Project Assignment:	
Engineering Technician	
Name of Firm with which associated:	
	Quality Engineering & Surveying, LLC
Years' experience with this Firm:	
0.5 years with QES	2 years in total in industry
Education: Degree(s)/Year/Specialization:	
Bachelor degree in Environmental Engineering from Louisiana State University-2023	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	
<p>Christian graduated with a degree in Environmental Engineering from Louisiana State University in December of 2023 and has just started with Quality as an Engineering Technician. His academic background includes hands-on experiences in projects focusing on drainage and municipal wastewater during his undergraduate years. Notably, he excels in using ArcGIS to create data structures for the retrieval and analysis of spatial data. Additionally, Christian played a pivotal role in winning 1st place in the Rural Wastewater Reuse Bench Scale Competition at the 2023 WERC Environmental Design Contest. His responsibilities included designing the ultrafiltration membrane system and presenting solutions to industry experts, showcasing his expertise in wastewater treatment innovation. Moreover, as part of the LSU University Lake Watershed Drainage Study, he contributed to the preliminary design of a stormwater drainage system using SWMM and EPANET. Christian's diverse experiences highlight his proficiency and dedication in the field of environmental engineering.</p> <p>WERC Environmental Design Contest 2023 – 1st Place Team Member Mr. Hoppmeyer's team won 1st place in the Rural Wastewater Reuse Bench Scale Competition at the 2023 WERC Environmental Design Contest. His team was charged with innovating the process for treating wastewater for rural communities in New Mexico. Christian was responsible for designing the ultrafiltration membrane system. After completing their design, the team was responsible for presenting their solutions to a board of professional engineers and drainage experts while in competition with teams representing Research Universities from all over the United States.</p> <p>LSU University Lake Watershed Drainage Study As a student, Christian was a part of the team that analyzed how the watershed of the Southdowns area of Baton Rouge which drained into University Lake at LSU. The team calculated the annual watershed for the area while predicting pathways. Mr. Hoppmeyer was responsible for using SWMM and EPANET in the preliminary design of a possible stormwater drainage system.</p>	


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Eric Weis, PE, CFM Water Resource Engineering Manager	
Project Assignment:	
Project Engineer	
Name of Firm with which associated:	
 Quality Engineering & Surveying, LLC	
Years' experience with this Firm:	
0.5 years with QES	25 years in total in industry
Education: Degree(s)/Year/Specialization:	
Bachelor degree in Civil Engineering from Colorado State University-1999	
Active registration: Year first registered/discipline:	
Colorado Professional Engineer # 39870	First Registered-2005
Other experience and qualifications relevant to the proposed Project:	
<p>Bringing over 25 years of senior-level expertise in civil engineering, Eric Weis, PE, CFM, recently joined Quality as a Senior Project Engineer. Throughout his distinguished career, Eric has demonstrated leadership in various roles, from leading teams in project design and managing budgets efficiently to overseeing stormwater divisions and implementing alternative project delivery techniques. His experience encompasses supervising construction contracts, establishing workflows for project execution, and providing strategic input on complex technical issues. With a focus on drainage and flood control infrastructure, Eric has successfully managed capital construction design projects and played a pivotal role in obtaining approvals for significant stormwater initiatives.</p> <p>Stormwater Division Manager - City of Greeley Public Works Department Mr. Weis played a pivotal role in guiding the city's stormwater and flood control initiatives. Leading a team of nine professionals, he strategically collaborated with various organizations, including adjacent municipalities and irrigation companies, to achieve common flood control and water quality goals. Additionally, he spearheaded the overhaul of stormwater design and construction standards and developed impactful workflow processes for floodplain development and stormwater quality permits. Among his major achievements, Mr. Weis secured and utilized an \$8,000,000 revenue bond under the City of Greeley Stormwater Enterprise, facilitating the construction of the city's largest storm drainage system and other critical flood control assets.</p> <p>Senior Drainage Engineer - Adams County Transportation Department Mr. Weis served as the primary advisor to the Transportation Director, specializing in drainage and flood control infrastructure within Adams County, Colorado. His role involved ensuring the seamless integration of transportation and stormwater projects to optimize the effective use of public funds. Mr. Weis administered the Adams County Floodplain Management Program, overseeing the approval of Floodplain Use Permits and applications for Conditional Letter of Map Revision (CLOMR) and Letter of Map Revision (LOMR) in accordance with FEMA guidelines. His responsibilities extended to managing the Drainage and Flood Control Master Planning program for Adams County, participating in the development, review, and approval of comprehensive master plans in coordination with relevant authorities. Additionally, Mr. Weis played a crucial role in prioritizing storm drainage and flood control projects, including urban retrofit design and construction projects in southern Adams County. Mr. Weis also authored Adams County's current floodplain regulations, positioning the county as the first to comply with the new State of Colorado floodplain regulations.</p>	


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Buck Patton, IV, PE Project Engineer	
Project Assignment:	
Project Engineer	
Name of Firm with which associated:	
	Quality Engineering & Surveying, LLC
Years' experience with this Firm:	
0.5 years with QES	5 years in total in industry
Education: Degree(s)/Year/Specialization:	
Bachelor degree in Civil Engineering from Louisiana State University-2019	
Active registration: Year first registered/discipline:	
Louisiana Professional Engineer # 48880	First Registered-2024
Other experience and qualifications relevant to the proposed Project:	
<p>Buck Patton IV, PE, is a dynamic and highly skilled Project Engineer at Quality Engineering & Surveying, LLC (QES), specializing in Hydrologic and Hydraulic (H&H) Studies. A 2019 graduate with a Bachelor of Science in Civil Engineering from Louisiana State University, Buck has quickly developed a robust portfolio in water resources engineering. His expertise spans advanced software tools including Civil 3D, HydroCAD, HEC-RAS, and SSA, equipping him to tackle complex site and subdivision development projects. Prior to joining QES, Buck refined his skills at Novus Reb Engineering and Forte and Tablada, where he led drainage plan designs, managed stormwater system projects, and contributed to innovative infrastructure solutions to alleviate flooding. His hands-on experience and proactive approach in educating junior staff demonstrate his commitment to engineering excellence and team development.</p> <p>Engineering Intern for Novus Reb Engineering At Novus Reb Engineering, Buck Patton IV excelled as an Engineer in Training, where he took the lead on a variety of drainage projects, including the design of stormwater systems and the development of comprehensive Drainage Analysis Studies for multiple cities. His responsibilities encompassed analyzing drainage watersheds and spearheading the design process for storm analysis. Buck also demonstrated leadership in training and guiding student workers, enhancing their practical knowledge and skills in civil engineering practices. His ability to manage complex projects and mentor junior team members has proven invaluable in his role.</p> <p>CAD Technician & Engineering Intern – Forte and Tablada During his tenure at Forte and Tablada, Buck Patton IV served as a CAD Technician and Engineer in Training, where he significantly contributed to diverse civil engineering projects. His work included designing a cross drain to effectively alleviate flooding in a rural area and overseeing a road milling project. Additionally, Buck was responsible for creating Right-of-Way (ROW) maps using Microstation, showcasing his technical proficiency and detailed understanding of project requirements. His efforts during this period underscored his capability to address and solve engineering challenges with innovative solutions.</p>	


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Aaron Brown Engineering Technician	
Project Assignment:	
GIS Analyst / CAD Technician	
Name of Firm with which associated:	
 Quality Engineering & Surveying, LLC	
Years' experience with this Firm:	
4 year with QES	7 years in total in industry
Education: Degree(s)/Year/Specialization:	
Associates degree in Pre-Engineering from Baton Rouge Community College - 2016	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	
<p>Mr. Brown graduated with an Associates Pre-Engineering degree with a focus in Civil Engineering from Baton Rouge Community College in 2016. He has over 5 years of CAD/GIS experience. Mr. Brown has worked on a variety of site development planning projects, roadway design projects, right of way acquisition projects, stormwater management projects, resilient infrastructure planning projects and GIS database maintenance projects. At QES, his responsibilities include civil site design and GIS database management. Mr. Brown is currently working to obtain his GISP certification.</p> <p>Calcasieu Parish Storm Water Master Plan Mr. Brown created an online GIS database of critical infrastructure, RL/SRL properties, flood risks, demographic information, and parish drainage projects for the Calcasieu Parish Watershed Master Plan. The Calcasieu Parish Watershed Master Plan project helped to determine areas in need of improvements to mitigate flood risks and included maintaining a GIS database of known infrastructure, risk modeling, and local stakeholder meetings to determine high priority areas of concern.</p> <p>Hurricane Harvey Disaster Recovery (FEMA PREPS Program) Mr. Brown was a member of the team responsible for the Hurricane Harvey Disaster Recovery through the FEMA PREPS Program. Mr. Brown was responsible for analyzing applicants to determine allocation of disaster recovery resources. The PREPS program provided emergency repairs and power restoration to single-family owner-occupied homes after Hurricane Harvey in Texas.</p> <p>Livingston Parish Gravity Drainage District 1 GIS Mapping System Mr. Brown created an online GIS system to manage field collected data for the Livingston Parish Gravity Drainage District 1. Mr. Brown currently maintains data uploaded to the GIS system and performs QA/QC. The Livingston Parish Gravity Drainage District 1 GIS Mapping system allows for multiple field crews to upload drainage related data to a single database which will be used to direct resources to areas of concern.</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
S. Brett Fitzgerald, PLS Professional Land Surveyor	
Project Assignment:	
Professional Land Surveyor	
Name of Firm with which associated:	
	Quality Engineering & Surveying, LLC
Years' experience with this Firm:	
2 years with QES	7 years in total in industry
Education: Degree(s)/Year/Specialization:	
Bachelor degree in Physical Geography from Louisiana State University-2017	
Active registration: Year first registered/discipline:	
Louisiana Professional Land Surveyor No. 5018	First Registered- 2009
Other experience and qualifications relevant to the proposed Project:	
<p>With 25 years of surveying experience Mr. Fitzgerald has filled a number of roles and has managed survey responsible charge responsibilities for numerous large-scale endeavors. Projects include oil and gas work from initial boundary and unit retracement, drill pad layout and design to pipeline and compressor planning, construction, right-of-way plats and supporting documentation as well as as-builts; environmental and earth-work, including eight Superfund clean-up sites and numerous volumetric surveys; structural steel layout for plant unit expansions; hydrographic surveys for diverse projects, and other varied surveying services.</p> <p>Public Lands Survey, Plaquemines Parish - Retraced and monument 26 Sections along the lower Mississippi River (Federal client). This project involved record research of original GLO notes, extensive field work along the Mississippi River and surrounding marsh, examination and processing of field data, rectifying said field data with record research data and planning subsequent boundary monumentation in less than desirable locations and conditions.</p> <p>Fiber Optic Planning & Installation, Calcasieu Parish - Generated layout/stakeout survey data, as well as provide survey management field expertise and field services to install 7 miles of fiber optic cable along a major Louisiana highway.</p> <p>Boundary & Lease Holding Survey, East Baton Rouge and Iberville Parishes Provided record research, field services, and expert opinions related to an oil and gas lease legal matter. The project encompassed nearly 1800 acres with limited surveying work having been performed in the area since the 1890's. Deliverables in the form of written opinions, plats and other documents were provided.</p> <p>Mineral Unit Survey, Pointe Coupee Parish Assisted in the boundary unit retracement of major holdings in Pointe Coupee Parish. These surveys encompassed a number of years and, in total, extended across some 10,000 acres. Services provided included record research, field work planning, field work execution, data processing/management, as well as field data and record boundary plat interpretation.</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Christopher Cook CAD Production Manager	
Project Assignment:	
CAD Production Manager	
Name of Firm with which associated:	
 Quality Engineering & Surveying, LLC	
Years' experience with this Firm:	
5 years with QES	27 years in total in industry
Education: Degree(s)/Year/Specialization:	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	
<p>Mr. Cook has over 25 years of experience as a project designer and CAD Technician. He has worked for a variety of firms throughout Texas and Louisiana, gaining new skills and expertise to add to his repertoire. At QES, Mr. Cook is the Production Manager, leading the other techs and designers on the engineering team in creating superior work that is on deadline and on budget.</p> <p>Move BR – Jefferson Hwy. at Corporate Blvd. Intersection Improvements QES's team was selected to provide survey and engineering services for the design upgrades to the intersection of Jefferson Hwy at Corporate Blvd. Mr. Cook oversaw processing all field data and creating exhibits.</p> <p>Move Ascension – HNTB IDIQ MSA (ROW Staking & Maps) MoveAscension selected HNTB and QES for their IDIQ contract. Work included boundary resolution and field reconnaissance to recover existing property corners to establish the existing right-of-way locations, recovery of pre-existing control for the design plans prepared by others, and staking of the roadway right-of-way, centerline, and curb lines. Mr. Cook was in charge of processing all field data and creating required plats.</p> <p>Hidden Lakes Subdivision Livingston Parish Drainage District #1 awarded QES the surveying and engineering project of conducting a topographic survey and performing a hydrologic and hydrologic study of the area. Mr. Cook was in charge of processing all field data and creating the final subdivision plats and as-built surveys for each phase of the subdivision.</p> <p>Rising Oaks Subdivision This project is a new subdivision being developed with D.L. Horton in Livingston Parish. Mr. Cook was responsible for processing all field data, creating a boundary and topographic survey and helping create the preliminary subdivision plat.</p>	

TEC Professional Services Questionnaire

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

PROJECT NO. 1

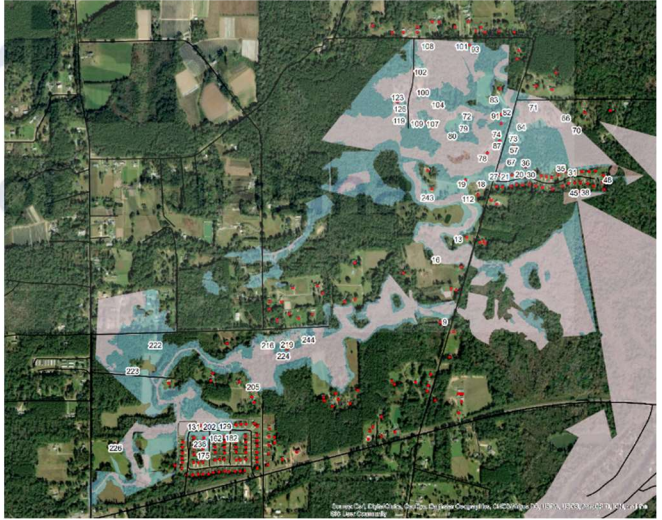
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Livingston Parish Gravity Drainage District #1 Watershed Program Management</p> <p>Livingston Parish Gravity Drainage District #1</p> <p>Owner Information: Wesley Kinnebrew Livingston Parish Gravity Drainage District #2-District Manager 8098 B Florida Blvd Denham Springs, LA 70726 (225) 664.5827</p>	<p>The Louisiana Watershed Initiative (LWI) has been established to provide funding that will support planning, watershed modeling, data collection, and flood-risk reduction projects across Louisiana. Quality Engineering and Surveying, LLC (QES) was selected to provide necessary support through surveying and engineering services that would improve the drainage infrastructure throughout Livingston Parish Gravity Drainage District #1 (LPGDD1). The Louisiana Watershed Initiative selected 20 LPGDD1 pre-applications to advance and develop into full applications. This provided LPGDD1 and QES with an unprecedented opportunity to improve and accelerate the drainage improvements that are urgently needed throughout this district. The projects in this development include watershed studies, drainage analysis and improvements, channel expansion, detention/retention ponds, bridge upgrades and replacements, and underground drainage.</p> <p>The areas involved in this project:</p> <ul style="list-style-type: none"> - Long Slash Branch - Allen Bayou - Beaver Creek - Clinton Allen Drainage Ditch - Gray's Creek - Dixon Creek <p>KEY TASKS: Program Management, Civil Design, Community Rating System, Watershed Management, H&H Study & Analysis, GIS</p> <p>KEY Staff: Deric Murphy, PE, LSI; Mason Bonano, PE; Eric Weis, PE, CFM; Buck Patton IV, PE; Christian Hoppmeyer; Aaron Brown; S. Brett Fitzgerald, PLS; Chris Cook</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2024 (E)	US \$415,515.00	US \$415,515.00

TEC Professional Services Questionnaire


PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>West David Drive Drainage Improvement Project</p> <p>Tangipahoa Parish, LA</p> <p>Owner Information: Robby Miller Tangipahoa Parish Government P.O. Box 215 Amite, LA 70422 (225) 635 - 3861</p>	<p>Quality Engineering & Surveying, LLC (QES) was tasked with addressing the chronic flooding issues along West David Drive in Tangipahoa Parish. This area, positioned at an elevation of 44 feet and designated as flood zone AE according to FEMA, regularly faced severe water accumulation due to inadequate drainage infrastructure.</p> <p>QES conducted a comprehensive hydrologic study to understand the dynamics of surface water flow and the limitations of the existing drainage system. The findings revealed that the water from surrounding properties was being inadequately channeled into an overburdened subsurface system with outfall culverts that were obstructed by debris and vegetation. Additionally, the recent paving of the roadway lacked sufficient slope, preventing effective water flow to drainage outlets.</p> <p>To rectify these issues, QES developed plans to overhaul the drainage system along West David Drive. This involved the installation of a new, more efficient subsurface drainage system, the clearing of outfall ditches, and the regrading of the road to establish a proper slope for water conveyance. These improvements were designed to enhance the area's resilience to flooding, significantly reducing the risk of water buildup during heavy rainfall. Funding for this crucial infrastructure upgrade was secured through the 2016 Floods Hazard Mitigation Grant Program (HMGP), ensuring that the neighborhood could look forward to safer and more reliable road conditions.</p> <p>KEY TASKS: Topographic Survey, Civil Design, Drainage Improvement, HMGP, Hydrologic & Hydraulic Study & Analysis</p> <p>KEY Staff: Deric Murphy, PE, LSI; Mason Bonano, PE; Eric Weis, PE, CFM; Buck Patton IV, PE; Christian Hoppmeyer; Aaron Brown; S. Brett Fitzgerald, PLS</p>	
<p>Completion Date (Actual or estimated):</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2027 (E)	US \$150,798.00	US \$150,798.00




TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>River Road Drainage Improvement Project</p> <p>Tangipahoa Parish, LA</p> <p>Owner Information: Robby Miller Tangipahoa Parish Government P.O. Box 215 Amite, LA 70422 (225) 635 - 3861</p>	<p>Quality Engineering and Surveying, LLC (QES) played a pivotal role in the River Road Drainage Improvement Project in Ponchatoula, Tangipahoa Parish. Tasked with addressing recurrent flooding along River Road, QES conducted topographic surveys and hydrologic & hydraulic studies to understand and model the area's drainage challenges. This strategic assessment pinpointed inefficiencies in the existing culvert system which contributed to frequent flooding, affecting local residences and access roads.</p> <p>Leveraging its expertise in civil design and drainage improvement, QES redesigned the area's infrastructure. The project involved replacing inadequate culverts with larger 72" RCP culverts featuring backflow preventers and elevating road approaches to improve water flow during storm events. These changes significantly enhanced flood management, reducing roadway flooding and protecting the surrounding neighborhoods.</p> <p>KEY TASKS: Topographic Surveys, Road Grading, Landscape Architecture, Amentity Design, Sidewalk Design</p> <p>KEY Staff: Deric Murphy, PE, LSI; Mason Bonano, PE; Aaron Brown; S. Brett Fitzgerald, PLS; Chris Cook</p> 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
September 2023 (A)	US \$103,404.00	US \$103,404.00


TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Skinner Drive Drainage Improvement Project</p> <p>Tangipahoa Parish, LA</p> <p>Owner Information: Robby Miller Tangipahoa Parish Government P.O. Box 215 Amite, LA 70422 (225) 635 - 3861</p>	<p>The Skinner Drive Drainage Improvement Project in the Green Acres Subdivision of South Tangipahoa Parish is designed to significantly enhance the local drainage system by introducing a new subsurface system. This initiative is led by Quality Engineering & Surveying, LLC (QES), which conducted a detailed hydrologic study and developed the plans for the improved drainage solution. Utilizing the National Resources Conservation Service (NRCS) TR-55 and Travel-Time methods, QES created a precise model of the area's rainfall-runoff process, ensuring the design was optimized for effective water management.</p> <p>After completing the survey and design work in Phase 1, QES proceeded to secure project funding by submitting a grant application to FEMA under the Hazard Mitigation Grant Program (HMGP). This funding is crucial for advancing to Phase 2, where QES will manage the construction administration of the drainage improvements. This phase will focus on implementing the designed subsurface system to improve water flow to the outfall location, thereby mitigating flooding risks and enhancing safety and infrastructure resilience within the community.</p> <p>KEY TASKS: Topographic Survey, Civil Design, Drainage Improvement, HMGP, Hydrologic & Hydraulic Study & Analysis</p> <p>KEY Staff: Deric Murphy, PE, LSI; Mason Bonano, PE; Eric Weis, PE, CFM; Buck Patton IV, PE; Christian Hoppmeyer; Aaron Brown; Chris Cook</p> 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2025 (E)	US \$252,993.00	US \$252,993.00



TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Ethel Street Drainage Improvement Project</p> <p>City Of Tallulah</p> <p>Owner's Information: City Of Tallulah Mayor Paxton Branch 318-574-0964</p>	<p>The City of Tallulah participated in the Hazard Mitigation Plan and established the Ethel Street Drainage Improvement Project to 1) reduce repetitive flood damage in Madison Parish including all incorporated area, municipalities, and or drainage districts and 2) facilitate responsible future development in the parish to reduce or eliminate the potential impacts of disasters.</p> <p>QES was contracted by the City of Tallulah to compete a Hydrologic and Hydraulic Study, complete an environmental review and assessment, provide a preliminary engineering report with determination cost of damages with existing system, development of a preliminary design including plans and specifications incorporating all necessary approvals, conduct all necessary data collection, prepare a final cost estimate and manage the project through to completion.</p> <p>KEY TASKS: Landscape Architecture, Topographic Surveying, Civil Engineering Construction Plans, Drainage, Flood Zone Determination</p> <p>KEY Staff: Deric Murphy, PE, LSI</p>	
<div style="position: absolute; top: 400px; left: 100px; opacity: 0.1; font-size: 100px; pointer-events: none;"> Jefferson Parish State of Louisiana </div>		
	Estimated Cost:	
	Completion Date (Actual or estimated):	Entire Project:
Dec 2016 (A)	US \$197,000.00	US \$197,000.00





TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Jesuit Bend Drainage Improvement</p> <p>Plaquemine Parish</p> <p>Owner Information: Ken Dugas, P.E. Plaquemines Parish Government 102 Avenue "G" Belle Chasse, LA 70037 (504)297-5349</p>	<p>Quality Engineering & Surveying, LLC (QES) provided professional services to Plaquemines Parish to improve drainage around the Jesuit Bend neighborhood on LA Highway 23.</p> <p>This is a crucial project to Plaquemines Parish, as the highway currently acts as a levee. Floodwater has often ponded over the road's surface, making it impossible for traffic to pass.</p> <p>In addition to flooding along the highway, a railway would incur damage on an annual basis due to the inability of water to run-off properly. Quality's proposed project will improve drainage by allowing water to convey from the east side of LA Hwy 23 to the west side and into the existing drainage system.</p> <p>KEY TASKS: Topographic Surveying, Civil Design, Drainage, Roadway Permitting, Construction Layout, Hydraulic & Hydrologic Study and Analysis</p> <p>KEY Staff: Deric Murphy, PE, LSI; Aaron Brown; Chris Cook</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Oct 2021 (A)	US \$163,532.00	US \$163,532.00

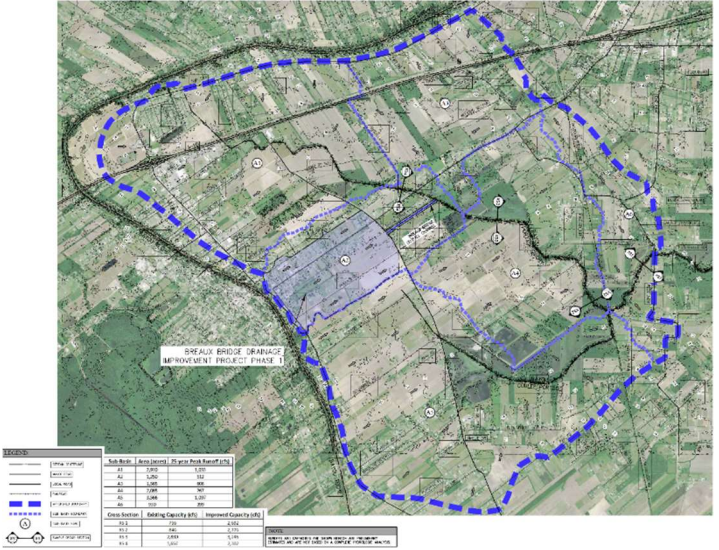
TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Breaux Bridge Manor Drainage Improvement Project</p> <p>St. Martin Parish, LA</p> <p>Owner Information: St. Martin Parish Government 301 West Port St., St. Martinville, LA 70582 (337) 394 – 2200 hbabineaux@stmartinparish.net</p>	<p>Breaux Bridge Manor Apartment Complex lies near the intersection of Highway 347 and Doyle Melancon Road.</p> <p>An existing drainage ditch lies south of most of the developed area. This ditch carries drainage from the developed area to the outfall east of Doyle Melancon Road. With our firm's in-house surveying capabilities, we performed surveys and field verification of drainage concerns. We included wetland scientists to provide us with an environmental review of areas affected by the proposed upgrades along the drainage route.</p> <p>Upon completion of the preliminary assessment and the Hydraulic and Hydrologic Study, we provided the parish with a preliminary design complete with plans, specifications and an engineer's cost estimate.</p> <p>Key Tasks: Surveying of 10 city blocks, Hydraulic & Hydrologic Study, Drainage Improvement Project</p> <p>KEY Staff: Deric Murphy, PE, LSI</p> <div style="display: flex; justify-content: space-around;">   </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2017 (A)	US \$91,000.00	US \$91,000.00

TEC Professional Services Questionnaire

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Boudreaux Street To Gilmore Drive Drainage Improvement Project</p> <p>St. Mary Parish, LA</p> <p>Owner Information: Henry "Bo" LeGrange St. Mary Parish Government 500 Main St. Franklin, LA 70538 (337) 828 -4100</p>	<p>The Boudreaux Street to Gilmore Drive Drainage Improvements project will convert a 1,117 lineal feet earthen ditch into a subsurface drainage system that back-up and cause water to pond in a residential subdivision in which houses flood on a regular basis. In addition to drainage structures, additional pumps will be installed at the existing pump station to increase pumping capacity of the existing station.</p> <p>The project includes working with residents to determine what happens with drainage during rain events; completing surveying and hydraulic and hydrology studies; development of construction plans, bids and specifications. Resident inspection services during construction are also being performed..</p> <p>KEY TASKS: Civil Engineering, Survey, Drainage, Permitting, H&H Study, Construction Administration</p> <p>KEY Staff: Deric Murphy, PE, LSI; Mason Bonano, PE; Aaron Brown; S. Brett Fitzgerald, PLS; Chris Cook</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;">   </div> <div style="display: flex; justify-content: space-around; align-items: flex-end;">   </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2023 (A)	US \$212,373.00	US \$212,373.00

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Bayou Portage Guidry Drainage Improvement Project</p> <p>St. Martin Parish, LA</p> <p>Owner Information: Heath Babineaux St. Martin Parish 301 W. Port Street St. Martinville, LA 70582 (334) 394 - 2200</p>	<p>During recent years flooding has been problematic in the City of Breaux Bridge. The watershed in this area is prone to flash flooding. This flooding has impacted the Hospital, various residential neighborhoods, including Breaux Bridge Manor Apartments and others. Bayou Portage Guidry is located near Auguillard Road in the City of Breaux Bridge.</p> <p>Approximately eight watersheds discharge into Bayou Portage. Due to limited flow capacity of Bayou Portage Guidry, backwater flooding has intensified on each of the channels discharging into the bayou. QES helped St. Martin Parish secure nearly \$4.5 Million dollars in HMGP grant funding to increase conveyance in the channel that will provide protection to the City of Breaux Bridge and Unincorporated Portions of St. Martin Parish.</p> <p>KEY TASKS: Topographic Survey, Civil Design, Drainage Improvement, HMGP, Hydrologic Study & Analysis</p> <p>KEY Staff: Deric Murphy, PE, LSI; Mason Bonano, PE; Eric Weis, PE, CFM; Buck Patton IV, PE; Christian Hoppmeyer; Aaron Brown; S. Brett Fitzgerald, PLS; Chris Cook</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2027	US \$750,000.00	US \$200,847.00

TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Louisiana Watershed Initiative Region 4 - Watershed Coordinator</p> <p>Region 4</p> <p>Owner Information: Bryan Beam, Administrator Calcasieu Parish Police Jury P.O. Box 1583 Lake Charles, LA 70726</p>	<p>Quality Engineering & Surveying, LLC (QES) served as the Watershed Coordinator for Region 4 under the Louisiana Watershed Initiative (LWI), encompassing Allen, Beauregard, Calcasieu, Cameron, De Soto, Jefferson Davis, Rapides, Sabine, and Vernon parishes. This crucial role was part of the initiative's first phase aimed at addressing the significant flooding issues that have recurrently impacted Louisiana. As coordinator, QES led the development of strategic plans to mitigate these effects, implementing a holistic regional approach to flood risk management.</p> <p>As the Watershed Coordinator, QES enhanced collaboration within the Regional Steering Committee, ensuring cohesive policy-making and land use planning to support flood mitigation efforts. They compiled a vital list of watershed projects, articulating clear risk reduction strategies to guide future actions. Additionally, QES was instrumental in expanding regional participation in the Community Rating System, facilitating floodplain management technical assistance, and conducting various educational forums, workshops, and webinars. Their comprehensive outreach efforts included developing public engagement plans, delivering presentations on flood risk and resiliency, and managing effective communication through social media and media relations. Through these endeavors, QES laid a foundational framework that equipped the region with the tools and knowledge necessary for sustainable flood management and mitigation planning.</p> <p>KEY TASKS: Program Management, Topographic Survey, Civil Design, Public Outreach, H&H Study & Analysis</p> <p>KEY Staff: Deric Murphy, PE, LSI; Chris Cook; Aaron Brown</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2021	US \$309,834.00	US \$309,834.00

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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. N/A	N/A	N/A
2. N/A	N/A	N/A
3. N/A	N/A	N/A
4. N/A	N/A	N/A

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

In response to the request for qualifications for the Routine Engineering Services for Drainage Projects in Jefferson Parish, Quality Engineering & Surveying, LLC (QES) is proud to submit our comprehensive statement of qualifications.

Company Background

Founded in early 2009, Quality Engineering & Surveying, LLC, (QES) is a full service firm that offers an extensive range of services for both private and public sectors. Our multi disciplinary approach provides our clients the opportunity to procure our services in: Engineering, Landscape Architecture, Planning, Land Surveying, Program and Project Management. Our knowledge and experience have helped us establish strong business relationships with our clients in both the private and public sector in well over half of the parishes in the state of Louisiana as well as throughout the southeastern United States. Customer service is key and a mainstay for QES. This has been integral to our success and has expedited our growth as a firm. Our licensed support staff of engineers, surveyors, project managers, grant specialists, landscape architects, and planners provides the expertise, professionalism, and innovative approaches that are fundamental to the execution of successful design solutions.

TEC Professional Services Questionnaire

QES's daily operations are managed by Deric J. Murphy, P.E.. Deric received his Bachelor's Degree in Civil Engineering from Louisiana State University in 1996 and obtained his Professional Engineering License in 2001. He has since concentrated on the land development industry, including involvement in hundreds of successful public and private projects. Deric enjoys meeting the unique challenges that each project presents, enabled by his ability to listen to and appreciate each client's individual needs. Deric applies his expertise and experience to ensure complete customer satisfaction.

Professional Experience of Drainage Projects

At Quality Engineering & Surveying, LLC (QES), we have amassed a robust portfolio of drainage projects, underscoring our expertise and commitment to innovative water management solutions. Our experience spans across multiple parishes in Louisiana, where we have successfully managed, designed, and implemented a wide range of drainage systems tailored to local environmental conditions and regulatory requirements.

One of our notable projects is the Breaux Bridge Manor Drainage Improvement in St. Martin Parish, where we significantly enhanced local drainage capacity by replacing an inadequate culvert system with larger, more efficient structures. This project not only improved stormwater management but also reduced the risk of flooding in residential areas.

In Tangipahoa Parish, the West David Drive Drainage Improvement project showcased our ability to conduct comprehensive hydrologic studies and redesign existing drainage infrastructures to mitigate chronic flooding issues effectively. The solutions we developed and implemented have provided lasting benefits to the community, enhancing road safety and property protection during adverse weather conditions.

For the River Road Drainage Improvement Project, also in Tangipahoa Parish, QES tackled recurring flooding by redesigning the culvert systems and improving roadway drainage. This project was critical in safeguarding homes and ensuring unimpeded access during storms.

Our involvement in the Skinner Drive Drainage Improvement Project in Tangipahoa Parish further highlights our proficiency in developing effective and sustainable drainage solutions. Here, we executed a detailed hydrologic study and designed a new subsurface drainage system that addressed long-standing water management issues, greatly enhancing the quality of life for local residents.

Through these projects, QES has demonstrated a deep understanding of flood risk mitigation, hydrologic and hydraulic modeling, and the design and construction of effective drainage systems. Our team's expertise is complemented by a comprehensive approach to project management, from initial assessments through to construction oversight, ensuring all projects are completed on time, within budget, and above client expectations.

Size of Firm

QES maintains a robust team of over 45 dedicated professionals. This team includes licensed engineers, certified surveyors, experienced project managers, specialized grant consultants, skilled landscape architects, and knowledgeable planners. Our staff size enables us to handle multiple large-scale projects simultaneously while maintaining the highest standards of quality and client satisfaction. This staffing capability ensures that we can effectively manage the scope and complexity of projects anticipated under the Routine Engineering Services for Drainage Projects IDIQ contract.

TEC Professional Services Questionnaire


Capacity for New Work

QES is well-prepared to undertake new projects, as several of our large-scale initiatives are concluding, effectively freeing up substantial resources. This transition phase allows us to reallocate our experienced project teams immediately to new assignments, including the Routine Engineering Services for Drainage Projects in Jefferson Parish. Our firm is structured to efficiently manage and scale operations for multiple projects simultaneously, ensuring we can start new work promptly and maintain our commitment to quality and timely delivery.

Conclusion

In conclusion, Quality Engineering & Surveying, LLC (QES) brings a wealth of knowledge, a proven track record, and a comprehensive multi-disciplinary approach to the Routine Engineering Services for Drainage Projects in Jefferson Parish. With our extensive experience across a broad spectrum of drainage projects and our deep understanding of the local environmental and regulatory landscape, we are uniquely positioned to deliver superior solutions tailored to the specific needs of this community. Our firm's strategic capacity planning and resource management ensure that we are ready to initiate new projects efficiently, upholding our commitment to excellence and client satisfaction. We are excited about the possibility of contributing to Jefferson Parish's infrastructure improvements and are confident in our ability to provide valuable, effective, and timely engineering solutions.

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

Signature:  Print Name: Deric Murphy, PE, LSI
Title: President Date: June 21, 2024