



# ROUTINE ENGINEERING SERVICES FOR DRAINAGE PROJECTS

*Jefferson Parish*  
Resolution No. 144202

SOQ 24-015

Submitted By:



June 21, 2024

## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

**Provide Routine Engineering Services for Drainage Projects in Jefferson Parish**  
*Resolution No. 144202*

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



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:**

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

**Andrew Woodroof, P.E.**  
Vice President, Principal  
527 West Esplanade Avenue, Ste. 200  
Kenner, LA 70065  
504.468.6129  
awoodroof@deii.net

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

<u>11</u> Administrative	<u>    </u> Estimators	<u>    </u> Specification Writers
<u>  3</u> Designers	<u>  1</u> Construction Managers	<u>    </u> Structural Engineers
<u>    </u> Architects (Licensed)	<u>    </u> Geologists	<u>    </u> Graduate Engineers
<u>    </u> Chemical Engineers	<u>    </u> Geotechnical Engineers	<u>  3</u> Project Managers
<u>17</u> Civil Engineers	<u>    </u> Interior Designers	<u>  3</u> Clerical
<u>  6</u> Construction Inspectors	<u>    </u> Landscape Architects	<u>  2</u> Grant/Funding Specialist
<u>    </u> Ecologists	<u>    </u> Land Surveyor	<u>  1</u> Sanitary Engineers
<u>    </u> Electrical Engineers	<u>    </u> Mechanical Engineers	
<u>  3</u> Engineer Intern	<u>  2</u> Environmental Engineers	
<u>    </u> Professional Land Surveyors		<b><u>52</u> TOTAL</b>

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

**NO**

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

## TEC Professional Services Questionnaire

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

1.  
N/A

2.

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

YES  NO

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

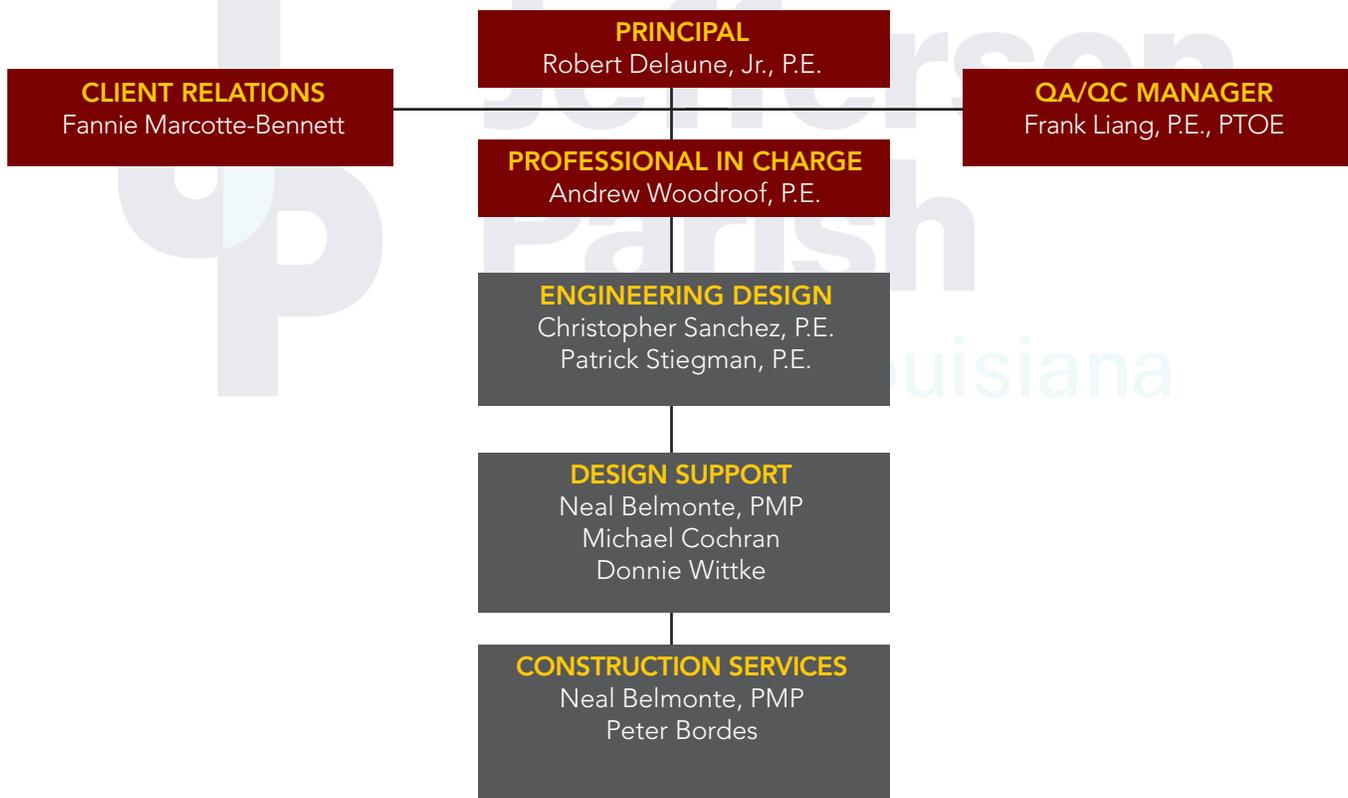
Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1.		
2.		
3.		
4.		

# TEC Professional Services Questionnaire

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

DE has assigned ten (10) 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

**Project Assignment:**

Professional in Charge

**Name of Firm with which associated:**



**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:**

Andrew is a Vice President and leads DE's Water Resources Division. He offers 16 years of experience with Environmental, Water Resources, and Coastal Engineering projects. His areas of expertise include coastal and hydraulics engineering, general engineering, construction administration and environmental and permitting services. He provides practical engineering experience in plan preparation and construction documents, technical reports and presentations, cost estimates, and is experienced in leading design teams for infrastructure improvement programs up to \$24 million in project costs.

**Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant, Jefferson Parish, LA**

Principal Engineer responsible for overseeing the overall execution of the Scoping Report for green infrastructure improvements in the Bucktown Neighborhood of Jefferson Parish through the FEMA Building Resilient Infrastructure in Communities (BRIC) grant program. Mr. Woodroof directed the overall strategy including Data Gap Analysis, Data Collection, Public Engagement, H&H Modeling, Project Development, Benefit Cost Analysis, and Scoping Report for developing and evaluating several alternatives combining gray and green drainage infrastructure totaling \$11M to increase the community's

resilience to flood hazards.

**H&H Drainage Study - West End Neighborhood, New Orleans, LA**

Principal Engineer overseeing execution of the Hydraulic and Hydrologic (H&H) Study for drainage improvements in the West End Neighborhood of New Orleans. The project evaluates the flood risk of an approximately 435 acre area in an urban environment drained by a box canal and vulnerable to flooding. The project will consider both gray and green infrastructure alternatives totaling \$20M in construction costs for flood risk reduction.

**Tantallon and Shamrock Stormwater Drainage Improvements, Jackson County, MS**

Principal Engineer responsible for overseeing of the 15% conceptual design for drainage improvements within the communities of Tantallon Drive near Ocean Springs, Mississippi and Shamrock Court near Gautier, Mississippi. This initiative involves a comprehensive analysis to derive 25-year and 50-year peak flow estimates, employing the rational method for developed areas and the SCS Curve Number Method for outfall structures in undeveloped zones.

**CONTINUED- Other experience and qualifications relevation to the proposed Project:**

**City of Kenner Green Infrastructure and Low Impact Development Program, Kenner, LA**

Senior Project Manager for developing the City of Kenner's Green Infrastructure (GI) and Low Impact Development (LID) Program. Development and Implantation of the program include reviewing exiting city codes and ordinances for compliance with the EPA's Green Infrastructure Scorecard and Center for Watershed Protection Post-Construction Guidance Manual, revision of existing ordinances and development of new ordinances to remove existing restrictions on GI/LID and create incentives or GI/LID, and development of technical standards and drawing for GI/LID components that can be implemented on residential, commercial, and municipal developments.

**Jefferson Parish Stormwater Management Program, Jefferson Parish, LA**

Project Manager responsible for developing/ updating all programs currently implemented under the Jefferson Parish Municipal Separate Storm Sewer System (MS4) Permit and has provided guidance, training, and implementation of the programs required in the MS4 Permit. Tasks for this project include the preparation of the MS4 Permit Annual report for Jefferson Parish; development of the Parish's Stormwater Management Program for the MS4 permit period of 2017-2021 and 2022-2027; preparation of the MS4 permit application for Jefferson Parish and it's co-permittees; preparation of 303(d) Impaired Water Bodies Sampling Plan; development of a stormwater educational program for designers, construction contractors, and industrial and high risk facility owners/operators; and evaluation and revision of existing stormwater ordinances.

**Broadmoor Drainage Upgrades and Green Infrastructure, New Orleans, LA**

Project Engineer/Manager and lead designer of drainage upgrades for the Broadmoor Drainage Upgrades and Green Infrastructure project in the City of New Orleans, which will construct \$50 million of green infrastructure and drainage improvements throughout the Central City and Garden District areas of New Orleans to reduce demand on Drainage Pump Station 01 in the Broadmoor neighborhood. Specifically, Mr. Woodroof is leading the design and plan development of new drain lines ranging from 18" to double-barrel 48".

**Goodbee Pond, St. Tammany Parish, LA**

Principal Engineer responsible for quality control for the project covering an approximate 4,300-acre watershed, with DE conducting a comprehensive hydrologic and hydraulic (H&H) analysis. This effort included reviewing and enhancing a previous watershed model, performing detailed topographic surveys, researching historic flood events, and developing a SWMM model to analyze and recommend drainage improvements.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT</b>	
<b>Name &amp; Title:</b>	
Robert Delaune, Jr., P.E., Sr. Vice President	
<b>Project Assignment:</b>	
Principal	
<b>Name of Firm with which associated:</b>	
	
<b>Years' experience with this Firm:</b>	
23	
<b>Education: Degree(s)/Year/Specialization:</b>	
BS/2000/Environmental Engineering	
<b>Active registration: Year first registered/discipline:</b>	
2006/Civil	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Rob serves as Vice President of Water Resources Operations for DE. Throughout his extensive 23 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.</p> <p><b>Certifications:</b> Water Wise NOLA Certified Green Infrastructure Professional 1</p> <p><b>Training:</b> Advanced Training on Modeling Hydrodynamics and Morphodynamics using Delft3D FM and Delft3D 4</p> <p><b>Recognition:</b> ACEC/L Emerging Leaders Institute; ASCE New Orleans Branch 2020 Outstanding Civil Engineer</p> <p>Industry Leadership: ASCE New Orleans Chapter Past President, ACEC Past Water Resources Committee Chairman</p> <p><b>Increased Pumping Capacity to the Parish Line Pump Station, Jefferson Parish, LA</b></p> <p>Project Engineer for technical assistance during construction of the drainage pump station capacity improvements. Mr. Delaune attended the pre-construction and progress meetings, reviewed RFIs pertaining to DE design issues. and coordinated on all</p>	<p>construction administration activities.</p> <p><b>Pilot Canal Maintenance Phase 1, Phase 2, Phase 3, Phase 4, Jefferson Parish, LA</b></p> <p>Project Manager for this program providing GPS services to verify SCADA readings and set informational benchmarks at drainage pump stations in Jefferson Parish, and also provides hydrographic surveys of drainage canals. GPS services and field assessments have also been performed in the towns of Lafitte, Jean Lafitte, and Crown Point to determine existing ground profiles to help prevent future flooding. Full hydrographic surveys of the Duncan Canal, Suburban Canal, and Canal #7 in Metairie, Louisiana have been completed. All of these acquired benchmark points, canal cross sections, canal bottom data, and ground profile data is uploaded into Jefferson Parish's GIS database for use in flood control methods.</p> <p><b>Buccaneer Villa North Statewide Flood Control Hydraulic Model and Application, St. Bernard Parish, LA</b></p> <p>Project Supervisor for preparation of a hydraulic and hydrologic model to illustrate existing flooding of repetitive loss homes, determination of alternative solutions to mitigate the repetitive losses, and preparation of application and benefit cost analysis to the Statewide Flood Control Program administered by the LADOTD.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT</b>	
<b>Name &amp; Title:</b>	
Frank Liang, P.E., PTOE, Sr. Vice Principal	
<b>Project Assignment:</b>	
QA/QC	
<b>Name of Firm with which associated:</b>	
	
<b>Years' experience with this Firm:</b>	
29	
<b>Education: Degree(s)/Year/Specialization:</b>	
BS/1994/Civil Engineering	
<b>Active registration: Year first registered/discipline:</b>	
1999/Civil 2012/PTOE	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Frank serves as the Senior Vice President and oversees the Transportation Division at DE. Since joining the team in 1995, he has focused on ensuring that the products and services DE provides continue to exceed clients' needs and expectations. As the head of production, he oversees the design, schedule, and progress of all projects within the company. Frank has over 29 years of experience performing project management and engineering design services with LADOTD, Jefferson Parish, and the City of Kenner. The projects below are representative of his experience in serving as Project Manager and Project Engineer for Jefferson Parish drainage projects:</p> <p><b>Increased Pumping Capacity for Parish Line Pump Station, Jefferson Parish, LA</b> Project Engineer who provided technical assistance during construction of the drainage pump station capacity improvements. Mr. Liang attended the pre-construction and progress meetings, reviewed RFIs pertaining to DE design issues, and coordinated on all construction administration activities.</p> <p><b>Oakwood Canal and Carol Sue Avenue Drainage Improvements, Jefferson Parish, LA</b> Project Manager for engineering design and</p>	<p>construction phase services for the installation of new subsurface drainage in the vicinity of Oakwood Canal and Carol Sue Avenue for Jefferson Parish. Funding was through LRA recovery funds and all CDBG requirements were met.</p> <p><b>Drainage Improvements at North Sibley Street at West Napoleon Avenue, Jefferson Parish, LA</b> Project Manager for the design of a new 25 cfs drainage pump station 15" thru 36" subsurface drain lines to improve drainage at North Sibley and West Napoleon Avenue. Design is complete and DE is currently providing construction administration services.</p> <p><b>Drainage Improvements to Hillings Ditch, Jefferson Parish, LA</b> Project Manager for this LRA/CDBG-funded design project to alleviate street flooding in the chronic problem area of Diane Avenue in River Ridge. Scope of work involved design, bidding, construction administration services for a new drainage pump station and force main on the Hillings Ditch at Dart Street.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT</b>	
<b>Name &amp; Title:</b>	
Fannie Marcotte-Bennett, Director of Client Services	
<b>Project Assignment:</b>	
Client Relations	
<b>Name of Firm with which associated:</b>	
	
<b>Years' experience with this Firm:</b>	
4	
<b>Education: Degree(s)/Year/Specialization:</b>	
Science (200.BO), Pre-University Program	
<b>Active registration: Year first registered/discipline:</b>	
N/A	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>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.</p> <p>Leadership / Awards - New Orleans Regional Leadership Institute Cohort; SMPS Southeast Louisiana President; SMPS Southeast Louisiana 2017 Hall of Fame inductee</p> <p><b>Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant, Jefferson Parish, LA</b>            Client Services Director responsible for oversight of all public outreach meeting coordination and materials preparation including social media, handouts and activities for this project that identifies and evaluates alternatives to reduce flood risk and subsidence, with an emphasis on leveraging combined benefits of grey and green infrastructure, in the Bucktown neighborhood of Metairie.</p> <p><b>Broadmoor Drainage Upgrades and Green Infrastructure, New Orleans, LA</b>            Client Services Director for this contract involving the pavement restoration, drainage, waterline and sewer line replacement within the Broadmoor Neighborhood</p>	<p>in coordination with City of New Orleans DPW's Recovery Roads Program. Responsible for coordinating with City of New Orleans S&amp;WB for any proposed waterline and sewer replacement design.</p> <p><b>Ben Thomas Road Detention, St. Tammany Parish, LA</b>            Client Services Director responsible for government relations and satisfaction assurance for this FEMA funded flood study, design and construction of 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.</p> <p><b>Old Mandeville Shoreline Protection Study, Mandeville, LA</b>            Client Services Director responsible for client coordination and public outreach meetings coordination for 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 residents and stakeholders affected by repetitive flood events.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT</b>	
<b>Name &amp; Title:</b>	
Christopher Sanchez, P.E., Senior Water Resources Engineer	
<b>Project Assignment:</b>	
Engineering Design	
<b>Name of Firm with which associated:</b>	
	
<b>Years' experience with this Firm:</b>	
1	
<b>Education: Degree(s)/Year/Specialization:</b>	
BS/2001/Civil Engineering	
<b>Active registration: Year first registered/discipline:</b>	
2001/Civil	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Chris offers 22 years of experience in civil engineering and water resources, primarily focusing on hydrology &amp; hydraulics (H&amp;H), municipal utilities, and pumping stations. He has managed multiple projects, H&amp;H studies, rehabilitation programs, construction plans and specifications and construction administrative services for a variety of civil works projects and programs. He currently manages multiple drainage projects in the Southeast Louisiana area and was recently the senior design manager for a local municipal \$200M utility rehabilitation program. Chris previously worked on master drainage plans and specifications working in coordination landscape architects and has worked on various funding programs, including the LA Statewide Flood Program, FEMA Hazard Mitigation Grant Program, FEMA Public Assistance Program, HUD Community Development Block Grant and EPA Water Infrastructure Finance and Innovation Act.</p> <p><b>Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant, Jefferson Parish, LA</b></p> <p>Senior Water Resources Engineer performed a quality review of the project model approach, provided conceptual guidance on the development of several green infrastructure alternatives and provided a</p>	<p>constructability review for the final alternatives selected.</p> <p><b>Buccaneer Villa North Statewide Flood Control Program Application, St. Bernard Parish, LA</b></p> <p>Senior Water Resources Engineer responsible for the design of the Phase II drainage collection system. Leading design team for developing plans and specifications for new drain line replacements along twelve streets to provide area flood mitigation in coordination with the stormwater retention ponds under construction in Phase I.</p> <p><b>H&amp;H Drainage Study - West End Neighborhood   New Orleans, LA</b></p> <p>Project Manager and Senior Water Resources Engineer, responsible for overall execution of the project. Duties include determining the project approach, leading the project execution team, managing data collection and data gap analysis, developing the survey scope of work, guiding the SWMM 2D model development, conceptualizing green infrastructure solutions for localized flood mitigation, leading development of technical memorandums and opinions of probable construction cost and ensuring conformance with the quality assurance requirements.</p>

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

**Name & Title:**

Patrick Stiegman, P.E., CFM, Project Engineer

**Project Assignment:**

Engineering Design

**Name of Firm with which associated:**



**Years' experience with this Firm:**

8

**Education: Degree(s)/Year/Specialization:**

BS/2015/Civil Engineering

**Active registration: Year first registered/discipline:**

2020/Civil; 2022/ASFPM Certified Floodplain Manager

**Other experience and qualifications relevant to the proposed Project:**

Patrick serves as a Project Engineer in DE's Kenner office for both transportation and water resources projects. Patrick is skilled in developing detailed Hydrologic and Hydraulic Models for clientele and developing proposed drainage improvements to mitigate flood damage. His experience includes the following:

**Buccaneer Villa North Statewide Flood Control Hydraulic Model and Application, St. Bernard Parish, LA**

Project Engineer in the development of a hydraulic and hydrology model for a proposed project concept that will divert peak rainfall runoff from the existing drainage system in Buccaneer Villa North Subdivision to a proposed retention pond area to the west of the subdivision. Mr. Stiegman assisted in modeling several improvements to the existing system to determine the reduction in anticipated flooding and provide a recommendation for an improvement that would ultimately eliminate flooding of the repetitive loss properties during a 25-year design storm. He also assisted in preparation of the statewide flood control application and model results report.

**Hydraulic/Hydrologic Investigation of Ormond Oaks Downstream Improvements, St. Charles Parish, LA**

Project Engineer and assisted the lead modeler in a

hydrologic study of the Ormond Oaks area. The study's main purpose was to identify problematic flood prone areas and eliminate these flooding problems with proposed solutions. The scope of the work included delineating the watershed drainage area, building the drainage infrastructure in GIS, importing the GIS into XP Storm modeling software, modeling existing conditions and calibrating the model to real world results, determining peak flows for a 10-year storm, and implementing improvement scenarios for drainage infrastructure including a conceptual plan. He assisted in modeling several improvements to the existing system to determine the reduction in anticipated flooding and provided recommendations for improvements that would reduce flooding throughout the neighborhood during a 10-year design storm. Mr. Stiegman also assisted in preparing the report for the drainage study, which provided a summary of the model results, a description of the proposed improvements and construction cost estimates for those improvements.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT</b>	
<b>Name &amp; Title:</b>	
Neal Belmonte, PMP, Project Manager	
<b>Project Assignment:</b>	
Design Support & Construction Services	
<b>Name of Firm with which associated:</b>	
	
<b>Years' experience with this Firm:</b>	
15	
<b>Education: Degree(s)/Year/Specialization:</b>	
BS/2007/Health & Kinesiology	
<b>Active registration: Year first registered/discipline:</b>	
2023/PMP	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Neal has over 15 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.</p> <p><b>Manson Ditch Drainage Improvements, Jefferson Parish, LA</b> AutoCAD drafting, GPS services, and field assessments for this project that involved a hydraulic study of the Manson Ditch Drainage Basin that is defined by a combined drainage contributory areas of the Camelia Gardens Ditch, Manson Ditch, Arnoult Ditch, and Shrewsbury Ditch between the Mississippi River and the IC Railroad Ditch and the Manson Ditch contributory area between the IC Railroad Ditch and West Metairie Canal. The purpose of the study was to determine the ten year storm design flow and the required increase in drainage culvert capacity from the IC Railroad Ditch and West Metairie Canal needed to provide ten year storm flood protection. He will also be assisting with construction administration once construction commences.</p> <p><b>Increased Pumping Capacity to the Parish Line Pump Station, Jefferson Parish, LA</b> 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</p>	<p>improvements. Design of short term improvements included the addition of 350 cfs pumping capacity and related conveyance system improvements.</p> <p><b>Pilot Canal Maintenance Phase 1, Phase 2, Phase 3 - Jefferson Parish, LA</b> 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.</p> <p><b>Replacement of Diesel Engines and Rehabilitation of Pump Gears at Suburban Pump Station, Jefferson Parish, LA</b> 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.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT</b>	
<b>Name &amp; Title:</b>	
Michael Cochran, Design Technician	
<b>Project Assignment:</b>	
Design Support	
<b>Name of Firm with which associated:</b>	
	
<b>Years' experience with this Firm:</b>	
7	
<b>Education: Degree(s)/Year/Specialization:</b>	
AA/2003/Drafting and Design Technology	
<b>Active registration: Year first registered/discipline:</b>	
N/A	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Mr. Cochran has over 20 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:</p> <p><b>Increased Pumping Capacity to the Parish Line Pump Station, Jefferson Parish, LA</b> Design Support for coordination and creation of the as-built for increased pumping capacity at the existing Parish Line Pumping Station along with adjacent intake canal improvements. Design of these improvements included the addition of 350cfs pumping capacity and related conveyance system improvements.</p> <p><b>Manson Ditch Drainage Improvements, Jefferson Parish DPW, Jefferson, LA</b> Design Support services for preparation of a hydraulic study to determine the ten year storm design flow and the required increase in drainage culvert capacity from the IC Railroad Ditch and West Metairie Canal needed to provide ten year storm flood protection.</p> <p><b>Terry Parkway Drainage Improvements (Carol Sue</b></p>	<p><b>to Industry Canal), Jefferson Parish, LA</b> 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.</p> <p><b>North Sibley at West Napoleon Drainage Improvements, Jefferson Parish, LA</b> 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.</p> <p><b>Broadmoor Drainage Upgrades and Green Infrastructure, New Orleans, LA</b> Design Support in charge of project layout and drawing coordination for reconstructing twenty-eight streets (179 blocks) in the Broadmoor neighborhood. Scope of work involves pavement base replacement, subsurface and surface drainage, and water and sanitary sewer installation and modifications.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT</b>	
<b>Name &amp; Title:</b>	
Donnie Wittke, Design Technician	
<b>Project Assignment:</b>	
Design Support	
<b>Name of Firm with which associated:</b>	
	
<b>Years' experience with this Firm:</b>	
12	
<b>Education: Degree(s)/Year/Specialization:</b>	
AA/2002/Drafting and Design Technology FAA Remote Pilot Certification/Small Unmanned Aircraft System	
<b>Active registration: Year first registered/discipline:</b>	
N/A	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Donnie has 15 years of experience in CAD 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:</p> <p><b>Parish Line Pump Station, Jefferson Parish, LA</b> Design Support for the design of increased pumping capacity of the existing Parish Line Drainage Pump Station along with adjacent intake canal improvements.</p> <p><b>Manson Ditch Drainage Improvements, Jefferson Parish DPW, Jefferson, LA</b> Design Support for preparation of a hydraulic study to determine the ten year storm design flow and the required increase in drainage culvert capacity from the IC Railroad Ditch and West Metairie Canal needed to provide ten year storm flood protection.</p> <p><b>Terry Parkway Drainage Improvements (Carol Sue to Industry Canal), Jefferson Parish, LA</b> 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.</p> <p><b>Drainage Improvements to Hillings Ditch, Jefferson Parish, LA</b> Design Support for design of a new pump station and force main to alleviate chronic flooding in the Diane Avenue of River Ridge.</p> <p><b>Drainage Improvements to Gulizo Canal, Jefferson Parish, LA</b> 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.</p> <p><b>Drainage Improvements to Canal No. 2 Culvert Crossing at California Avenue, Jefferson Parish, LA</b> 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.</p>	

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT</b>	
<b>Name &amp; Title:</b>	
Peter Bordes, Sr. Construction Inspector	
<b>Project Assignment:</b>	
Construction Services	
<b>Name of Firm with which associated:</b>	
	
<b>Years' experience with this Firm:</b>	
15	
<b>Education: Degree(s)/Year/Specialization:</b>	
N/A	
<b>Active registration: Year first registered/discipline:</b>	
N/A	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Peter is a Senior Construction Inspector responsible for supervising other inspectors and preparing partial and final estimates, quantity take-offs, and as-built plans. Peter facilitates communication between contractors and department personnel. His experience includes:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>Manson Ditch Drainage Improvements, Jefferson Parish DPW, Jefferson, LA</b> Construction Inspector for preparation of a hydraulic study to determine the ten year storm design flow and the required increase in drainage culvert capacity from the IC Railroad Ditch and West Metairie Canal needed to provide ten year storm flood protection.</p> <p><b>St. Bernard Parish Drinking Water Revolving Loan, Water Line Replacement Project 1.1, St. Bernard Parish, LA</b> Construction Inspector during work performed during this project. When encountering unforeseen problems that arose in field activities, he coordinated with owners to correct these problems. He compiled daily reports of field operation and documented all as-builts on job site. Scope of work involved the installation of new water lines complete with all required isolation valves, fire hydrants, and water service lines.</p> <p><b>Construction Administration of Streets Improvement Program for Jefferson Parish District 4</b></p> </div> <div style="width: 48%;"> <p>Construction Inspector for Concrete Package #2 under this program that involved concrete replacement for streets in Council District 4 that were damaged by Hurricane Katrina. The project was part of a \$100 million FEMA funded program to repair streets that were submerged due to flooding.</p> <p><b>Huey P. Long Bridge Improvements, Jefferson Parish, LA</b> Construction Inspector for all water and sewer relocations as a result of the construction of the bridge approaches (bridge expansion).</p> <p><b>Pearlington Water Distribution System, Hancock County, MS</b> Construction Inspector for 158,306 linear feet of potable water line for the community of Pearlington. The work consisted of 522 gate valves, 554 residential water services and AMR water meters, and the installation of 259 fire hydrants.</p> </div> </div>	

**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**

<b>Project Name, Location and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Manson Ditch Drainage Improvements Jefferson Parish, LA</p> <p><u>Owner</u> Jefferson Parish Dept. of Public Works 1221 Elmwood Park Blvd., Ste. 904 Jefferson, LA 70123 Mark Drewes, Director 504.736.6783 mdrewes@jeffparish.net</p>	<p>Digital Engineering (DE) was selected by Jefferson Parish to prepare a Hydraulic Study of the Manson Ditch Drainage Basin, defined as the combined drainage contributory areas of the Camelia Gardens Ditch, Manson Ditch, Arnoult Ditch, Lower Kraak Ditch, and Shrewsbury Ditch between the Mississippi River and the Illinois Central (IC) Railroad Ditch and the Manson Ditch contributory area between the IC Railroad Ditch and West Metairie Canal which is a total of 306 acres. The purpose of the study was to determine the ten year storm design flow and the required increase in drainage culvert capacity from the IC Railroad Ditch and West Metairie Canal needed to provide ten year storm flood protection.</p>	
<p>As requested by the client, DE modeled the 2, 5, 10, 25, 50 and 100 year design storms and evaluated the benefits of new culverts by either supplementing the existing drainage system with new culverts, replacing the existing system or removing flow into the system. Two separate hydraulic modeling programs were utilized in investigating the Manson Ditch drainage system: HYDRWIN and SWMM. The SWMM Model allowed for the use of modeling a pump station to remove water from the System.</p> <p>GPS equipment was used to obtain horizontal and vertical coordinates of drain inlets, catch basins and manholes along the Manson Ditch alignment and ground elevations throughout the drainage basin. Pipe sizes were obtained from the Jefferson Parish Drainage Unit Sheets. This data was used to build as the model framework for the model network that was built of the existing conditions.</p> <p>The HYDRWIN Model simulation of the existing conditions along both the Manson and Lower Kraak ditches was initially constructed. An additional simulation was then run that allowed the HYDRWIN program to determine the proper pipe sizes required along both systems. The results of these simulations showed that the hydraulic gradient exceeded the natural ground profile from the Canadian National/New Orleans Public Belt Railroad embankment to the south (River Road). Unfortunately, the HYDRWIN programs do not take into account flooding outside the limits of the pipe. Because the elevation of the hydraulic gradient exceeded the ground/roadway elevation along virtually the entire length of both the Manson Ditch and Lower Kraak Ditch the SWMM Model was developed and run with both existing and improved conditions.</p> <p><b>KEY PERSONNEL INVOLVED:</b> Frank Liang, P.E., PTOE Neal Belmonte, PMP Mickey Cochran Donnie Wittke Peter Bordes</p>	<p>EXISTING CONDITION</p>	
<b>Completion Date (Actual or Estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<p>December 2023 (A) (substantial completion)</p>	<p>\$6,900,000 (construction)</p>	<p>\$885,000 (study and design)</p>

**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**

<b>Project Name, Location and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Jefferson Parish Pilot Canal Maintenance &amp; Prioritized Improvement Program (Phases I, II, and III) Jefferson Parish, LA</p> <p><u>Owner</u> Jefferson Parish Dept of Drainage 1221 Elmwood Park Blvd Jefferson, LA 70123 Ben Lepine, P.E., Director 504.736.6751 BLepine@jeffparish.net</p>	<p>Jefferson Parish selected DE to perform a Pilot Canal Maintenance Program to assist the Drainage Department in obtaining GPS information to enable the development of a systematic maintenance program Funding for the program was provided under a Louisiana Government Assistance Program (LGAP) grant.</p> <p>DE performed visual inspections and obtained GPS coordinates/ elevations of box culverts, pump stations, drainage canal bottoms and outfall infrastructures, and verified accuracy of SCADA gauges. Canal bottom cross sections were also developed to determine current silt levels and identify areas that impeded canal flow.</p> <p>All information was input into Jefferson Parish's GIS database which can be utilized to better maintain and monitor canal levels during rain events. Once all data is obtained, the Jefferson Parish Drainage Department will be able to develop a prioritized canal maintenance schedule. This data can also be utilized to provide a HEC-RAS model of the canal system.</p>	
<p><b>KEY PERSONNEL INVOLVED:</b> Frank Liang, P.E., PTOE Robert Delaune, P.E. Neal Belmonte, PMP Mickey Cochran Donnie Wittke</p>		
<b>Completion Date (Actual or Estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<p>March 2024 (A)</p>	<p>N/A</p>	<p>\$62,200 (phase I fee) \$33,000 (phase II fee) \$41,500 (phase III fee) \$66,280 (phase IV fee)</p>

**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**

<b>Project Name, Location and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Suburban Pump Station Engine Replacement Jefferson Parish, LA</p> <p><u>Owner</u> Jefferson Parish Dept. of Drainage 1221 Elmwood Park Blvd., Ste. 907 Jefferson, LA 70123 Ben Lepine, P.E., Director 504.736.6751 BLepine@jeffparish.net</p>	<p>The majority of Jefferson Parish's Drainage Pump Stations were constructed in the 1970's and even though they have been well maintained, the eventual replacement of equipment is inevitable. Jefferson Parish has therefore undertaken a program to replace the engines and refurbish gears at most of the pump stations to ensure maximum pumping capacity for years to come. Due to Digital Engineering's (DE) successful replacement of eight engines and refurbishment of eight gears at Elmwood Pump Station, the Jefferson Parish Council again selected DE for the replacement/refurbishment of the Suburban Pump Station equipment.</p> <p>DE, along with our electrical sub-consultant, Infinity Engineering Consultants, LLC, provided preliminary and final design, bidding, construction administration, record drawings, and limited resident inspection services for the replacement of engines and refurbishment of gears for Pumps 4 and 5 at Suburban Pump Station. The scope included full replacement of two diesel drive engines, radiators, and exhaust systems along with all associated piping and electrical controls. The existing Murphey panel was updated for each new engine.</p>	
<p>The condition of the existing gears was determined by an inspection performed by Jefferson Parish, therefore alternate bid items were established to account for possible gear refurbishment scenarios, including the installation of new auxiliary gear pump systems for each gear. Construction was scheduled so that no pumps are removed from service during hurricane season.</p>	<p>State of Louisiana</p>	
<p><b>KEY PERSONNEL INVOLVED:</b> Frank Liang, P.E., PTOE Neal Belmonte, PMP Donnie Wittke</p>		
<b>Completion Date (Actual or Estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
November 2023 (A)	\$1,544,900	\$238,350

**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**

<b>Project Name, Location and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Increased Pumping Capacity to the Parish Line Pump Station Jefferson Parish, LA</p> <p><u>Owner</u> Jefferson Parish Dept of Drainage 1221 Elmwood Park Blvd., Ste. 907 Jefferson, LA 70123 Ben Lepine, P.E., Director 504.736.6751 BLepine@jeffparish.net</p>	<p>The project included the design and construction of an additional 350 cfs pump to increase pumping capacity at the existing Parish Line Drainage Pump Station along with adjacent intake canal improvements. The project included a feasibility phase to quantify the existing flows and determine the necessary pumping capacity, along with related conveyance systems needed to address the stormwater flows to the station.</p> <p>It was originally proposed to phase the overall improvements, with a short term improvement phase which would provide a minimum of an additional 300 cfs and provide related conveyance systems improvements, and a long term project to add a minimum of an additional 1,200 cfs of capacity. Design was complicated by the Parish's request to construct the addition directly adjacent to the existing station. Subsequent improvements to the Parish's drainage system eliminated the need for long term improvements. The short term improvement phase was bid in July 2017 and Notice to Proceed for construction was issued in February 2018. Construction of the additional 350 cfs pump station was completed in June 2019.</p> <p>The project involved coordination between numerous local, state and federal agencies including the City of Kenner, the East Jefferson Levee Board, LADOTD, USACE, FAA, CPRA, and other stakeholders. DE assisted in the right-of-way acquisition, obtaining necessary permits, conducting public meetings, and preparing grant requests.</p>	
 <p>COMPLETED CONSTRUCTION</p>	<p><b>KEY PERSONNEL INVOLVED:</b> Frank Liang, P.E., PTOE Robert Delaune, Jr., P.E. Andrew Woodroof, P.E. Neal Belmonte, PMP Donnie Wittke Mickey Cochran</p>	
<b>Completion Date (Actual or Estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
June 2019 (A)	\$8,295,745 (construction)	\$1,127,500 (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**

<b>Project Name, Location and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Terry Parkway Drainage Improvements Jefferson Parish, LA</p> <p><u>Owner</u> Jefferson Parish Dept. of Public Works 1221 Elmwood Park Blvd., Ste. 904 Jefferson, LA 70123 Mark Drewes, Director 504.736.6783 mdrewes@jeffparish.net</p>	<p>DE provided hydraulic analysis, design, plan preparation, bidding, \$17 million construction administration, and resident inspection services for the installation of over 3,000 linear feet of a double cell concrete box culvert and concrete flume to enclose an existing drainage canal along Terry Parkway from Carol Sue Avenue to Industry Canal.</p> <p>Other improvements included the restoration of existing concrete streets and installation of landscaping, landscape lighting, street lighting and other utility relocations (water and sewer) to facilitate the box culvert construction.</p>	
 <p>CONSTRUCTION IN PROGRESS</p>	<p>The project included coordination and management of the efforts of three sub consultants. Due to budgetary constraints, this \$17 million project was constructed in four phases with the final phase recently completed. During construction, DE ensured all work was performed in accordance with the project plans and specifications. For this project, DE also held pre-construction and construction progress meetings, addressed RFIs, reviewed shop drawings, coordinated utility relocations, reviewed project change orders, reviewed temporary traffic control/signage, and reviewed construction quantities and invoices.</p>	
 <p>CONSTRUCTION COMPLETION</p>	<p>Since the major work item of this project was installing a cast-in-place box culvert within a drainage canal, DE coordinated closely with the Jefferson Parish Drainage Department on coordinating the removal of the temporary dams prior to or immediately after heavy rain events.</p> <p><b>KEY PERSONNEL INVOLVED:</b> Frank Liang, P.E., PTOE Neal Belmonte, PMP Donnie Wittke Mickey Cochran</p>	
<b>Completion Date (Actual or Estimated):</b>	<b>Estimated Cost:</b>	
December 2017 (A)	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	\$17,000,000 (construction)	\$1,422,564 (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**

<b>Project Name, Location and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>					
<p>Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant Jefferson Parish, LA</p> <p><u>Owner</u> Jefferson Parish Dept of Capital Projects 1221 Elmwood Park Blvd., Ste. 906 Jefferson, LA 70123 Michelle Gonzales, CFM 504.736.6653 mgonzales@jeffparish.net</p> <p>2-dimensional framework using PC-SWMM, enhancing the model's capability to assess flood risks accurately. A Benefit-Cost Analysis (BCA) was conducted using FEMA's BCA Toolkit to determine the Benefit-Cost Ratio (BCR) for each modeled alternative, focusing on reducing flood risk and integrating innovative green infrastructure. Three project alternatives were considered, evaluating factors such as cost, capacity to reduce water surface elevation, flood mitigation effectiveness, and the incorporation of green infrastructure.</p> <p>Through stakeholder engagement with Jefferson Parish's inter-departmental agencies, DE was able to determine (3) project alternatives with a preliminary budget of \$10 million for each which incorporated varying levels of focus on green infrastructure and gray infrastructure improvements. DE met with multiple departments of Jefferson Parish to present on the project, but also to gain a better understanding of what green infrastructure improvements Jefferson Parish would be willing to implement and maintain. The varying levels of focus on green and gray infrastructure were chosen to assist the client to understand the potential benefits of installing certain types of green infrastructure in the Bucktown community. Topographic survey and utility infrastructure unit sheets were utilized to help confirm locations of existing infrastructure, right of ways and to check for constructibility of proposed drainage improvements being recommended in all three (3) alternatives. Jefferson Parish Storm Drainage Design Manual and drainage design standards were applied to all three (3) alternatives. The project team recommended Alternative No. 2, which had the highest BCR of 1.14 and estimated construction cost of \$10.9 million, for future implementation. This alternative includes innovative green infrastructure features like a modular subsurface retention system, permeable pavement, and bio-retention cells. Not only does this alternative include green infrastructure improvements, but it also includes increasing drainage conveyance in the community by replacing undersized drainage pipe with larger diameter drainage pipe, offering a balanced approach to managing flood risk while enhancing the urban environment. This recommendation is a critical step forward for Jefferson Parish, leveraging the BRIC funding opportunity to enhance resilience against flooding through a combination of advanced modeling, economic analysis, and sustainable infrastructure solutions.</p> <p><b>KEY PERSONNEL INVOLVED:</b> Andrew Woodroof, P.E. Chris Sanchez, P.E. Patrick Stiegman, P.E. Mickey Cochran</p>	<p>Jefferson Parish was awarded funding through FEMA's Building Resilient Infrastructure and Communities (BRIC) program to conduct a Project Scoping Study aimed at reducing flood risk and subsidence in the Bucktown community. This study focuses on a 174-acre community located between Cherokee Avenue to the West, 17th Street Canal to the East, West Esplanade Avenue to the South, and Metairie Hammond Highway to the North. The initiative addresses the need for enhanced flood protection and conveyance to manage the significant flooding risk during 25-year storm events, building upon existing hydrologic and hydraulic (H&amp;H) studies and the design of a new pump station on Lake Avenue.</p> <p>The DE Team undertook comprehensive background research, H&amp;H Modeling, and analysis to evaluate combined grey and green infrastructure solutions. The approach was to upgrade existing 1D SWMM models to a</p>					
<p><b>Completion Date (Actual or Estimated):</b></p>	<p align="center"><b>Estimated Cost:</b></p> <table border="1"> <thead> <tr> <th data-bbox="613 1785 1076 1864"><b>Entire Project:</b></th> <th data-bbox="1076 1785 1546 1864"><b>Work for which Firm was Responsible:</b></th> </tr> </thead> <tbody> <tr> <td data-bbox="613 1864 1076 2011" style="text-align: center;">\$10,900,000 (construction)</td> <td data-bbox="1076 1864 1546 2011" style="text-align: center;">\$249,800 (fee)</td> </tr> </tbody> </table>		<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>	\$10,900,000 (construction)	\$249,800 (fee)
<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>					
\$10,900,000 (construction)	\$249,800 (fee)					
January 2024 (A)						

**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**

<b>Project Name, Location and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Drainage Improvements: North Sibley Street at West Napoleon Avenue Jefferson Parish, LA</p> <p><u>Owner</u> Jefferson Parish, Dept. of Capital Projects 1221 Elmwood Park Blvd., Ste. 906 Jefferson, LA 70123 Neil Schneider, P.E., Director 504.736.6833</p>	 <p style="text-align: center;"><i>Proposed Pump Station Location</i></p>	
<p>Digital Engineering (DE) provided engineering services for the design of drainage improvements at North Sibley Street and West Napoleon Avenue in Metairie.</p> <p>The scope of the project was broken into two projects: the first project was the design of a new 25 cfs drainage pump station due to the minimal elevation relief between the outfall canal and the surrounding neighborhood. To prevent backwater from flowing into the local drainage system a 36" in-line check valve will be installed. This first project was bid in October 2019 and was awarded to Hard Rock Construction in the amount of \$683,450.00.</p> <p>The second project was the design of the drainage improvements, in addition to the associated roadway improvements, along North Sibley from West Napoleon Avenue to Crawford Street (approximately 950 Linear Feet). All drainage design was performed in accordance with Jefferson Parish and LADOTD Standards. Drainage improvements included the removal of the undersized system and installing new 15" thru 36" RCP subsurface drain lines to improve drainage along North Sibley between West Napoleon Avenue and Crawford Street. The project also called for the removal and replacement of all water and sewer lines, PCCP roadway, sidewalks, driveways, and handicapped ramps.</p> <p><b>KEY PERSONNEL INVOLVED:</b> Frank Liang, P.E., PTOE Neal Belmonte, PMP Mickey Cochran Donnie Wittke</p>		
<b>Completion Date (Actual or Estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
May 2021 (A)	\$1,926,000	\$168,004

**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**

<b>Project Name, Location and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>St. Tammany Parish Goodbee Pond St. Tammany Parish , LA</p> <p><u>Owner</u> St. Tammany Parish 21454 Koop Drive, Mandeville, LA 70471 Trip Sharp III tdsharp@stp.gov.org 985.898.2522</p>	<p>Goodbee, Louisiana has experienced significant flooding challenges, with 205 FEMA-designated repetitive loss homes due to historical flooding from intense rainfall. This issue is compounded by rapid residential development in the area. Digital Engineering (DE) was tasked with re-evaluating and enhancing a watershed model to mitigate flood loss during a 25-year design storm, aiming to protect the community and prevent future property damage. The project covered an approximate 4,300-acre watershed, with DE conducting a comprehensive hydrologic and hydraulic (H&amp;H) analysis. This effort included reviewing and enhancing a previous watershed model, performing detailed topographic surveys, researching historic flood events, and developing a SWMM model to analyze and recommend drainage improvements.</p> <p>The project's focus was on exploring the design and implementation of a detention pond and other measures to improve stormwater conveyance and storage, thereby enhancing flood risk management. Three alternatives were evaluated, with Alternative No. 2 recommended for its combination of previous improvements and additional pipe up-sizing for faster drainage to the Tchefuncte River, significantly reducing water surface elevation and mitigating flood damage.</p> <p>DE suggested that further elevation reduction could be achieved by enlarging the proposed detention pond, subject to available land and budget constraints. The project represents a critical step toward developing sustainable and resilient flood mitigation strategies for the area, showcasing a strategic approach to enhancing community resilience against future flooding events.</p>	
 <p><b>KEY PERSONNEL INVOLVED:</b> Andrew Woodroof, P.E. Patrick Stiegman, P.E.</p>		
<p><b>Completion Date (Actual or Estimated):</b></p>	<p><b>Estimated Cost:</b></p>	
<p>March 2023 (A) (Study)</p>	<p>Entire Project: N/A</p>	<p>Work for which Firm was Responsible: \$121,655 (fee)</p>

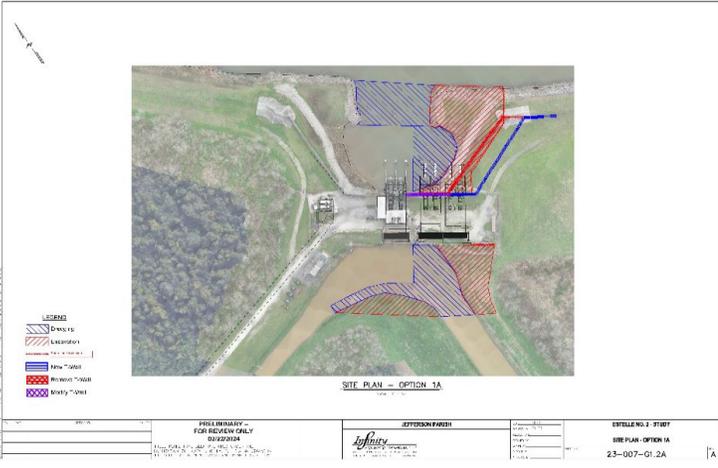
**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

**PROJECT NO. 9**

<b>Project Name, Location and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>H+H Drainage Study - West End Neighborhood New Orleans, LA</p> <p><u>Owner</u> City of New Orleans 1300 Perdido St Ste 6W03, New Orleans, LA 70112 Meagan Williams memwilliams@nola.gov 504.658.8420</p>	<p>The West End neighborhood in New Orleans is facing significant challenges due to frequent flooding, exacerbated by outdated infrastructure and limited drainage system upgrades. As part of the FEMA-funded Joint Infrastructure Roadway Recovery Program, various streets throughout the city are being updated to meet the City's 10-year design standard for drainage. However, the West End neighborhood has been largely overlooked in these updates. The primary drainage system in this area, the Fleur de Lis box canal, along with the limited capacity of the Sewerage and Water Boards Drainage Pump Station No. 12, are not scheduled for upgrades, leaving the neighborhood vulnerable. Furthermore, the city's focus on grey infrastructure for drainage improvements has limited the scope and effectiveness of interventions, creating an urgent need for innovative solutions to mitigate flooding in this densely developed and historically significant area.</p>	
<p>To address these challenges, DE embarked on creating a sophisticated 1D/2D SWMM model of approximately 456 acres of the West End neighborhood to analyze the current neighborhood's drainage system and capacity. DE will use the SWMM model to study proposed drainage improvements to the neighborhood and recommend to the client proposed improvements with a preliminary construction budget cost of \$20 million with the goal of reducing flooding in the neighborhood. This innovative approach combines city-wide flood mapping data with recent LiDAR data to build a detailed model that simulates both the network portion of the drainage system and the surface routing of flood waters through the neighborhood's unique topography. This dual-component model allows for a more accurate representation of existing conditions, identifying the limitations of planned upgrades and pinpointing specific areas prone to repetitive flooding. Additionally, the project explores green infrastructure opportunities, utilizing the SWMM architecture to simulate and measure the benefits of various mitigation strategies, despite the compact and developed nature of the West End neighborhood.</p>		
<p>The project is currently underway, with significant progress made towards understanding the complexities of the West End's drainage issues and potential solutions. Although final outcomes and measurable results are still being determined, the project stands as a critical endeavor towards mitigating flood risk in the West End neighborhood. By leveraging advanced modeling techniques and exploring unconventional green infrastructure approaches, the project aims to provide a roadmap for enhancing the resilience and sustainability of the neighborhood's drainage system. As the study progresses, DE will mature these green infrastructure projects into conceptual design, where they will offer valuable insights into the effectiveness of integrated grey and green infrastructure solutions in urban settings, setting a precedent for future drainage improvement projects in New Orleans and beyond.</p> <p><b>KEY PERSONNEL INVOLVED:</b> Chris Sanchez, P.E. Fannie Marcotte-Bennett Andrew Woodroof, P.E. Patrick Steigman, P.E.</p>		
<b>Completion Date (Actual or Estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
August 2024 (E)	\$20,000,000 (construction)	\$476,000 (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. 10**

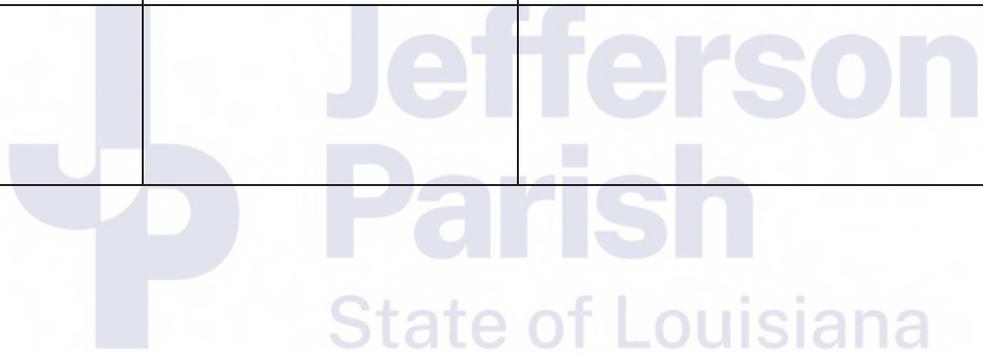
<b>Project Name, Location and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Estelle Drainage Pumping Station No. 2 Fairfield/Bridge City, LA</p> <p><u>Owner</u> Jefferson Parish Dept of Public Works 1221 Elmwood Park Blvd., Ste. 904 Jefferson, LA 70123 Ben Lepine blepine@jeffparish.net 504.736.6751</p>	<p>The initiative aims to enhance the drainage pumping capacity within the Fairfield/Bridge City Area. Currently, the pumping stations operate at a capacity of 1,200 CFS, which requires augmentation to meet the growing demands of the community and improve resilience against flooding events.</p> <p>As a subconsultant to Infinity Engineering Consultants, DE evaluated options to increase pumping capacity at Estelle Pump Stations No. 1 and 2. Four improvement options were assessed, considering different site combinations and pumping layouts. Our evaluation encompassed permitting requirements, civil site design, and funding alternatives. Additionally, we contributed to the development of a conceptual phasing plan and conducted independent quality assurance/quality control reviews. The project presented several challenges, including the need to balance increased capacity with environmental and regulatory considerations. Furthermore, ensuring constructability within existing or expanded footprints and coordinating with multiple stakeholder agencies added complexity. Despite these challenges, the project offered an opportunity to implement innovative solutions to enhance drainage infrastructure in a critical area.</p> <p>At present, the evaluation phase is ongoing, with the ultimate goal of increasing pumping capacity by 2,000 CFS. The outcome will significantly improve flood mitigation efforts and enhance the resilience of the Fairfield/Bridge City community against adverse weather events.</p>	
<p><b>KEY PERSONNEL INVOLVED:</b> Andrew Woodroof, P.E. Christopher Sanchez, P.E. Neal Belmonte, PMP</p>		

<b>Completion Date (Actual or Estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
November 2024 (E) (design)	N/A	\$126,900 (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.**

<b>Parties:</b>		<b>Status/Result of Case:</b>
<b>Plaintiff:</b>	<b>Defendant:</b>	
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.**



### **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 52 staff members, 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 designing 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.



## 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.**

### 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.	Robert Delaune, Jr., P.E. Andrew Woodroof, P.E. Frank Liang, P.E., PTOE
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.)	Robert Delaune, Jr., P.E. Andrew Woodroof, P.E. Christopher Sanchez P.E.

### EVALUATION CRITERIA

#### Professional Training & Experience

DE and our staff have served as professional engineering consultants for Jefferson Parish drainage projects for over 30 years that have involved Subsurface Drainage, Box Culverts, Hydraulic and Hydrologic Modeling, Drainage Canals and Channels, Master Drainage Plans, and Drainage Pump Stations.

DE has provided engineering design services for **\$96 million (construction value) for drainage projects throughout Jefferson Parish.**

We have listed below all of our Jefferson Parish drainage projects that we have provided engineering design and construction administration for.

- Airline Highway Improvements (Canal Enclosure at Zephyr Field)
- Canal Street Drainage Improvements
- Transcontinental Drive Improvements from York Drive to West Esplanade Avenue
- Citrus Avenue Improvements (Jefferson Hwy to Soniat Canal)
- Brown Avenue Corridor Roadway and Drainage Improvements
- Kawanee Street Roadway and Drainage Improvements
- Massachusetts Avenue Roadway and Drainage Improvements
- Transcontinental Corridor Intersection Improvements (Transcontinental Boulevard at West Esplanade Avenue)
- Terry Parkway Drainage Improvements (Carol Sue to Industrial Canal)
- Council 4 Drainage Mitigation
- Elmwood Pump Station Engine and Gear Replacement
- Jefferson Parish East Bank Master Drainage Plan
- Parish Line Pump Station
- Oakwood/Carol Sue Drainage Improvements
- Hillings Ditch Pump Station
- Gulizo Canal Drainage Improvements (Ames Blvd to Eighty Arpent Road)
- Canal No. 11 Drainage Improvements
- St. George Street Improvements
- Drainage Improvements to N. Sibley Street at West Napoleon Avenue
- Manson Ditch Drainage Improvements
- Soniat Canal Improvements
- Southbound Westwood Drive Rehabilitation
- Westbound Veterans Boulevard Reconstruction (Bonnabel Canal to Severn)

## 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.**

- Cousins Boulevard Extension (Woodmere Drive to Lapalco Boulevard)

*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 Drainage Project Experience	Experience with Jefferson Parish Drainage Projects
Robert Delaune, Jr., P.E.	BS/Environmental	•	23	•
Andrew Woodroof, P.E.	BS/Civil	•	16	•
Frank Liang, P.E., PTOE	BS/Civil	•	29	•
Christopher Sanchez P.E.	BS/Civil	•	22	•
Patrick Stiegman, P.E.	BS/Civil	•	8	•
Neal Belmonte, PMP	BS/Health & Kinesiology		15	•
Mickey Cochran	AA/Design & Drafting		20	•
Donnie Wittke	AA/Design & Drafting		13	•
Peter Bordes			15	•

### Capacity for Timely Completion of the Project

We have assigned ten (10) key personnel to this contract who all are experienced in supporting our clients with a range of drainage 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

Jose Gonzalez, (504) 468-7515  
Deputy CAO-Public Works, City of Kenner

### Size of Firm

DE is comprised of 52 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 projects.

Listed below is a quote that attests to our ability to complete projects on time and within budget.

”

As our City Engineer, Digital is responsible for managing the City's yearly \$20M Capital Budget and Maintenance Programs which includes roadways, drainage, water, wastewater, and recreational projects. Digital's staff works directly with my staff to ensure that all projects continuously move. They have always shown technical support capacity on quick turnaround tasks and projects... Digital Engineering has my recommendation as a firm that can be trusted to successfully plan, design, and implement infrastructure projects on time and within budget.”

\_\_\_\_\_  
Clay Madden, Mayor  
City of Mandeville

Jefferson  
Parish  
of Louisiana

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

Signature: 

Print Name: Robert Delaune, Jr., P.E.

Title: Sr. Vice President, Principal

Date: 06/20/2024



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

01/11/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> <b>StateFarm</b> JAMES WEBB 527 W ESPLANADE AVE STE 100 KENNER LA 70065	<b>CONTACT NAME:</b> JAMES WEBB <b>PHONE (A/C, No, Ext):</b> 504-466-5812 <b>E-MAIL ADDRESS:</b>	<b>FAX (A/C, No):</b> 504-469-2244
	<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> State Farm Mutual Automobile Insurance Company <b>INSURER B:</b> <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>	
<b>INSURED</b> DIGITAL ENGINEERING 527 W ESPLANADE AVE STE 200 KENNER LA 70065		

**COVERAGES****CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
A	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	Y	Y	MUTL 092 3763-A18-18E MUTL 146 9052-A18-18E MUTL 011 3920-A26-18S MUTL 255 9253-B01-18A	01/18/2024 01/18/2024 01/26/2024 02/01/2024	01/18/2025 01/18/2025 01/26/2025 02/01/2025	COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ 1,000,000 BODILY INJURY (Per accident) \$ 1,000,000 PROPERTY DAMAGE (Per accident) \$ 1,000,000 \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A				<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	AUTO LIABILITY AS STATED ABOVE	Y	Y	MUTL 369 2927-A13-18	01/13/2024	01/13/2025	COVERAGES AS STATED ABOVE 1,000,000 1,000,000 1,000,000

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**

Certificate Holder is included as Additional Insured on Auto Policy along with Waiver of Subrogation as required by written contract.

ADDITIONAL AUTO POLICIES COVERAGE SAME AS ABOVE :  
 MUTL 407 0444-B21-18; 02/21/2024 - 02/21/2025

**CERTIFICATE HOLDER****CANCELLATION**

DIGITAL ENGINEERING & IMAGING 527 W ESPLANADE AVE SUITE 200 KENNER LA 70065	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE <i>Allison Bush</i>
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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

04/04/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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<b>PRODUCER</b>  <b>StateFarm</b> JAMES WEBB 527 W ESPLANADE AVE STE 100 KENNER LA 70065	<b>CONTACT NAME:</b> JAMES WEBB <b>PHONE (A/C, No, Ext):</b> 504-466-5812 <b>E-MAIL ADDRESS:</b>	<b>FAX (A/C, No):</b> 504-469-2244
	<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> State Farm Mutual Automobile Insurance Company <b>INSURER B:</b> <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>	
<b>INSURED</b> DIGITAL ENGINEERING 527 W ESPLANADE AVE STE 200 KENNER LA 70065		

**COVERAGES****CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
A	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	Y	Y	MUTL 056 1493-D23-18G	04/23/2024	04/23/2025	COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ 1,000,000 BODILY INJURY (Per accident) \$ 1,000,000 PROPERTY DAMAGE (Per accident) \$ 1,000,000 \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y / N	N / A				<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Certificate Holder is included as Additional Insured on Auto Policy along with Waiver of Subrogation as required by written contract.

**CERTIFICATE HOLDER****CANCELLATION**

DIGITAL ENGINEERING & IMAGING 527 W ESPLANADE AVE SUITE 200 KENNER LA 70065	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

12/15/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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<b>PRODUCER</b>  <b>State Farm</b> JAMES WEBB 527 W ESPLANADE AVE STE 100 KENNER LA 70065	<b>CONTACT NAME:</b> JAMES WEBB <b>PHONE (A/C, No, Ext):</b> 504-466-5812 <b>E-MAIL ADDRESS:</b>	<b>FAX (A/C, No):</b> 504-469-2244	
	<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
	<b>INSURER A:</b> State Farm Mutual Automobile Insurance Company		25178
<b>INSURED</b> DIGITAL ENGINEERING 527 W ESPLANADE AVE STE 200 KENNER LA 70065	<b>INSURER B:</b>		
	<b>INSURER C:</b>		
	<b>INSURER D:</b>		
	<b>INSURER E:</b>		
	<b>INSURER F:</b>		

**COVERAGES****CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
A	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	Y	Y	MUTL 254 1685-F26-18A MUTL 254 2413-F27-18A MUTL 402 9145-F20-18A	12/26/2023 12/27/2023 12/20/2023	12/26/2024 12/27/2024 12/20/2024	COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ 1,000,000 BODILY INJURY (Per accident) \$ 1,000,000 PROPERTY DAMAGE (Per accident) \$ 1,000,000 \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A				<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Certificate Holder is included as Additional Insured on Auto Policy along with Waiver of Subrogation as required by written contract.

**CERTIFICATE HOLDER****CANCELLATION**

DIGITAL ENGINEERING 527 W ESPLANADE AVE. SUITE 200 KENNER LA 70065	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/19/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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<b>PRODUCER</b> Cadence Insurance, A Gallagher Company 4041 Essen Lane, Suite 400 Baton Rouge LA 70809  License#: PC-1092395 DIGIENG-02	<b>CONTACT NAME:</b> Amanda Turnley <b>PHONE (A/C No. Ext):</b> 225-336-5384 <b>E-MAIL ADDRESS:</b> asinfo@bxsi.com	<b>FAX (A/C, No):</b> 225-336-4536	
	<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
<b>INSURED</b> Digital Engineering & Imaging, Inc. 527 W Esplanade Ave #200 Kenner LA 70065	<b>INSURER A:</b> Continental Casualty Company		20443
	<b>INSURER B:</b> Travelers Casualty and Surety Company		19038
	<b>INSURER C:</b> XL Specialty Insurance Company		37885
	<b>INSURER D:</b> Underwriters at Lloyd's London		32727
	<b>INSURER E:</b> <b>INSURER F:</b>		

**COVERAGES**

CERTIFICATE NUMBER: 84691874

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:			2099988417	3/25/2024	3/25/2025	EACH OCCURRENCE	\$ 2,000,000	
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 1,000,000	
							MED EXP (Any one person)	\$ 10,000	
							PERSONAL & ADV INJURY	\$ 2,000,000	
							GENERAL AGGREGATE	\$ 4,000,000	
							PRODUCTS - COMP/OP AGG	\$ 4,000,000	
								\$	
	<input type="checkbox"/> <b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident)	\$	
							BODILY INJURY (Per person)	\$	
							BODILY INJURY (Per accident)	\$	
							PROPERTY DAMAGE (Per accident)	\$	
								\$	
A	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			4027054816	3/25/2024	3/25/2025	EACH OCCURRENCE	\$ 2,000,000	
							AGGREGATE	\$ 2,000,000	
								\$	
B D	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	UB0K896602 PSR083792	3/25/2024 12/1/2023	3/25/2025 12/1/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER	E.L. EACH ACCIDENT	\$ 1,000,000
								E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
								E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
C	<b>PROFESSIONAL LIABILITY</b> CLAIMS MADE FORM			DPR5030856	6/20/2024	6/20/2025	PER CLAIM	\$ 2,000,000	
							AGGREGATE	\$ 2,000,000	

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**

Certificate Holder is included as Additional Insured along with Waiver of Subrogation on General Liability which is primary and non-contributory as required by written contract. Waiver of subrogation included on Workers Compensation and Professional Liability policies as required by written contract. Umbrella policy includes waiver of subrogation and additional insured to the underlying General, Auto and Employers Liabilities policies as required by written contract subject to each policy's terms, exclusions and conditions.

**CERTIFICATE HOLDER****CANCELLATION**

Digital Engineering & Imaging, Inc.  
 527 W Esplanade Ave  
 #200  
 Kenner LA 70065

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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ACORD 25 (2016/03)

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THIS CERTIFICATE SUPERSEDES PREVIOUSLY ISSUED CERTIFICATE

