

December 7, 2023

Shanna Folse  
Jefferson Parish Purchasing Department  
General Government Building  
200 Derbigny Street, Suite 4400  
Gretna, LA 70053

Re: SOQ No. 23-033: Routine Engineering Services for Sewer Projects

Ms. Folse:

Sustainable Design Solutions, LLC (Sustainable) is a full-service Civil and Environmental Engineering firm that has provided engineering and design (E&D), planning, permitting, and construction engineering and inspection services on over \$200M worth of infrastructure improvements. Sustainable has provided engineering and construction inspection services on sewer projects throughout Louisiana and our staff has successfully delivered gravity sewer, force main, pump station, and treatment system projects.

Our response will show that our team is qualified to support Jefferson Parish, LA with routine engineering services for sewer projects for the following reasons:

- A strong group of professionals that have successfully led various projects that are relevant to this SOQ such as collection system projects, pump station projects, and treatment plant projects.
- A multidisciplinary team that can support design, planning, permitting, implementation, and inspection of sewer projects.
- Over 200 years of combined experience in E&D and Inspection
- 5 licensed P.E.'s who collectively have over 75 years of experience with the planning, design, and implementation of civil works projects
- Effective time management practices to successfully complete projects in a timely manner

Sustainable is proud to be a woman-owned, DBE certified engineering firm with Licensed P.E.'s that are uniquely qualified to undertake the work contemplated by Jefferson Parish, LA based on the below:

- Our Principal, Kodi Guillory, P.E., is a licensed Engineer in the State of Louisiana with over 17 years of experience in various types of civil works projects.
- Our firm has successfully completed the design and implementation of sewer projects throughout Parishes in Louisiana with verifiable references.
- Our firm has no adversarial legal proceedings with the Parish.

It is with great anticipation that we look forward to bringing our experience and capabilities to assist Jefferson Parish with routine services for sewer projects.

Respectfully Yours,



**Kodi C. Guillory, P.E.**

President | Sustainable Design Solutions, LLC (Sustainable)  
635 Main St, Studio 1, Baton Rouge, LA 70801  
Kguillory@sustainabledes.com

## **Technical Evaluation Committee (TEC) Questionnaire**

### **Instructions**

- The Technical Evaluation Committee (TEC) Questionnaire shall be used for professional services related to architecture, engineering, or survey projects.
- **The TEC Questionnaire should be completely filled out. Complete and attach ALL sections. Insert “N/A” or “None” if a section does not apply or if there is no information to provide.**
- Questionnaire must be signed by an authorized representative of the Firm. Failure to sign the questionnaire shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- All subcontractors must be listed in the appropriate section of the Questionnaire. Each subcontractor must provide a complete copy of the TEC Questionnaire, applicable licenses, and any other information required by the advertisement. Failure to provide the subcontractors' complete questionnaire(s), applicable licenses, and any other information required by the advertisement shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- If additional pages are needed, attach them to the questionnaire and include all applicable information that is required by the questionnaire.

## TEC Professional Services Questionnaire

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

SOQ No. 23-033 Routine Engineering Services for Sewer Projects; Resolution No. 142994

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**B. Firm Name & Address:**

Sustainable Design Solutions, LLC  
635 Main Street, Studio 1  
Baton Rouge, LA 70801



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**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:**

Kodi Guillory, P.E., Principal  
635 Main Street, Studio 1  
Baton Rouge, LA 70801  
kguillory@sustainabledes.com  
(225) 939-5368

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**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.**

Talene Kaltakjian, P.E., Engineering Manager  
635 Main Street, Studio 1  
Baton Rouge, LA 70801  
tkaltakjian@sustainabledes.com  
(225) 290-8848

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

<input type="checkbox"/> Administrative	<input type="checkbox"/> Estimators	<input type="checkbox"/> Specification Writers
<input type="checkbox"/> Architects (Licensed)	<input type="checkbox"/> Geologists	<input type="checkbox"/> Structural Engineers
<input type="checkbox"/> Chemical Engineers	<input type="checkbox"/> Geotechnical Engineers	<input type="checkbox"/> Graduate Engineers
<input checked="" type="checkbox"/> 5 Civil Engineers	<input type="checkbox"/> Interior Designers	<input checked="" type="checkbox"/> 1 Project Managers
<input checked="" type="checkbox"/> 4 Construction Inspectors	<input type="checkbox"/> Landscape Architects	<input type="checkbox"/> Clerical
<input type="checkbox"/> Ecologists	<input type="checkbox"/> Land Surveyor	<input type="checkbox"/> Grant/Funding Specialist
<input type="checkbox"/> Electrical Engineers	<input type="checkbox"/> Mechanical Engineers	<input type="checkbox"/> Sanitary Engineers
<input checked="" type="checkbox"/> 4 Engineer Intern	<input type="checkbox"/> Environmental Engineers	
<input type="checkbox"/> Professional Land Surveyors		<b><u>14</u> TOTAL</b>

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**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:**

N/A 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. NO SUBCONTRACTORS	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:**

14

## TEC Professional Services Questionnaire

**K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (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:** Kodi Guillory, P.E., Principal

**Project Assignment:** QA/QC Lead

**Name of Firm with which associated:** Sustainable Design Solutions, LLC

**Years' experience with this Firm:** 4 years

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

Bachelor of Science, Biological Engineering, LSU 2005

Master of Science, Civil Engineering, LSU 2007

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

Professional Engineer, Louisiana License No. 0035951, 2011



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

Kodi is a civil engineer and has over 17 years of experience in Civil and Environmental Engineering. She has managed the design, planning, and construction of large civil works projects totaling over \$1.5B. Currently, she manages a team of employees in the execution of over \$100M in Civil design and construction engineering & inspection as President of SDS. Her experience has included the preparation of final and preliminary design criteria, environmental permitting coordination, cost estimates, design reports, and construction plans and specifications.

#### **CLEAN WATER SHREVEPORT | CITY OF SHREVEPORT**

This project consists of providing engineering services to the City of Shreveport's Department of Water & Sewerage including capital planning, design management, SSO mitigation, and utility management. Kodi serves as a project advisor on the program. Her tasks include oversight of project managers, program deliverables and ensuring sufficient program management execution.

#### **INNOVATION PARK REGIONAL SEWER PROJECT | CITY OF BATON ROUGE**

To improve flexibility, reliability, and expand the regional capacity of the Innovation Park Drive area, the existing PS-446 is proposed to be replaced with a new pump station with a larger capacity. The new pump station will discharge into a 10-inch force main that will tie-in to a new 20" force main. Kodi served as the lead design engineer on this project. Her tasks included sanitary sewer design, force main calculations, cost estimation and drafting of the final design report.

#### **FLANNERY ROAD – FLORIDA BLVD AREA SEWER REHABILITATION PROJECT, PHASE 3 | CITY OF BATON ROUGE**

The Broadmoor sewershed has been experiencing a significant amount of SSO's. To alleviate this, this project installed installation of a new gravity collection system to reroute a portion of the existing sewer. Kodi served as the lead design engineer on this project. Her tasks included sanitary sewer design, cost estimation and drafting of the final design report.

#### **LDEQ TECHNICAL ASSISTANCE PROGRAM | STATEWIDE LOUISIANA**

The LDEQ Technical Assistance program is intended to assist small, disadvantaged communities, whose wastewater infrastructure has been in noncompliance, with a path forward to get their system into compliance with all permit limits. The program entails assessing the towns' existing wastewater infrastructure, reviewing permit effluent exceedances, and providing a feasible resolution as well as an alternative to each municipality. The types of wastewater infrastructure being assessed include wastewater treatment plants, effluent ponds, pump stations, gravity and/or force main piping. Kodi's tasks include performing site visits to analyze existing infrastructure, reviewing existing data, such as permit exceedances and as-built drawings, finalizing design study reports and cost estimation of proposed solutions and alternatives. The ultimate goal of this program is to provide a technical report to support the communities when pursuing grants and SRF loan funding.



## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:** Talene Kaltakjian, P.E., Engineering Manager

**Project Assignment:** Project Manager

**Name of Firm with which associated:** Sustainable Design Solutions, LLC

**Years' experience with this Firm:** 1.5 years

**Education: Degree(s)/Year/Specialization:** Bachelor of Science, Civil Engineering LSU 2015

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

**Professional Engineer, Louisiana License No. 44529, 2020**

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



Talene is a licensed Engineer with over 7 years of experience in sewer, transportation, drainage, and land development. Talene has served as a design engineer on collection system projects, pump station projects, drainage projects, and roadway design projects. She has also overseen many projects throughout construction such as roadways, residential subdivisions, and sanitary sewer projects. Talene currently manages a team of 14 engineers and oversees the development of technical deliverables associated with infrastructure projects.

#### **INNOVATION PARK REGIONAL SEWER PROJECT | CITY OF BATON ROUGE**

To improve flexibility, reliability, and expand the regional capacity of the Innovation Park Drive area, the existing PS-446 is proposed to be replaced with a new pump station with a larger capacity. The new pump station will discharge into a 10-inch force main that will tie in to a new 20" force main. Talene served as a design engineer on this project. Her tasks included sanitary sewer design, cost estimation and drafting of the construction documents.

#### **FLANNERY ROAD – FLORIDA BLVD AREA SEWER REHABILITATION PROJECT, PHASE 3 | CITY OF BATON ROUGE**

The Broadmoor sewershed has been experiencing a significant amount of SSO's. To alleviate this, this project includes installation of a new gravity collection system to reroute a portion of the existing sewer. Talene served as a design engineer on this project. Her tasks included sanitary sewer design, cost estimation and drafting of the construction documents.

#### **LDEQ TECHNICAL ASSISTANCE PROGRAM | STATEWIDE LOUISIANA**

The LDEQ Technical Assistance program is intended to assist small, disadvantaged communities, whose wastewater infrastructure has been in noncompliance, with a path forward to get their system into compliance with all permit limits. The program entails assessing the towns' existing wastewater infrastructure, reviewing permit effluent exceedances, and providing a feasible resolution as well as an alternative to each municipality. The types of wastewater infrastructure being assessed include wastewater treatment plants, effluent ponds, pump stations, gravity and/or force main piping. Talene's tasks include performing site visits to analyze existing infrastructure, reviewing existing data, such as permit exceedances and as-built drawings, finalizing design study reports and cost estimation of proposed solutions and alternatives. The ultimate goal of this program is to provide a technical report to support the communities when pursuing grants and SRF loan funding.

#### **MONTAN ESTATES PUBLIC SEWER EXTENSION | CITY OF BATON ROUGE**

This project consisted of a gravity sewer extension to service future commercial developments in Baton Rouge. Ms. Kaltakjian's responsibilities included engineering design services, drafting of construction documents, cost estimation, permitting, bidding services, hosting the pre-construction meeting, overseeing the project during construction, and project management.

## TEC Professional Services Questionnaire


<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b> Nicole Henderson, P.E., Project Engineer	
<b>Project Assignment:</b> Project Manager	
<b>Name of Firm with which associated:</b> Sustainable Design Solutions, LLC	
<b>Years' experience with this Firm:</b> 2.5 years	
<b>Education: Degree(s)/Year/Specialization:</b> Bachelor of Science, Biological Engineering LSU 2012	
<b>Active registration: Year first registered/discipline:</b> Professional Engineer, Louisiana License No. 0042744, 2018	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Nicole is an experienced environmental engineer with a demonstrated history of project management in the private sector and government administration industry. Nicole also has field inspection experience in wastewater lift stations and open excavation pipe rehabilitation projects. She currently works on a team of professional engineers as part of the Clean Water Shreveport program which is responsible for sanitary sewer overflow mitigation, capital improvement planning, and project management for water and wastewater projects.</p> <p><b>CLEAN WATER SHREVEPORT   CITY OF SHREVEPORT</b></p> <p>This project consists of providing engineering services to the City of Shreveport's Department of Water &amp; Sewerage. Nicole's tasks on this program include the following: project development and project design management for sanitary sewer lift stations projects; managed design team that created lift station design standards and specifications for lift stations with capacities below 4 MGD; project engineer on the private service lateral repair program initiative; performed quality assurance and quality control for client's wastewater/ water GIS updates using as-built drawings, line list, and field reports; and developed strategic plan to increase the client's ability to provide water resiliency to critical facilities during catastrophic events.</p> <p><b>CITY OF SHREVEPORT LIFT STATION REHABILITATION PACKAGE   CITY OF SHREVEPORT</b></p> <p>This project was for the design of rehabilitation plans for 10 separate sewer lift stations across the city. Nicole's responsibilities included: reviewed and analyzed the lift station assessment report to identify potential lift station rehabilitation candidates for the package list; determined priorities and finalized the lift station rehabilitation package.; created project scoping documents to define project's objectives, required submittals, and delivery schedule to effectively manage the project's design; reviewed plans and specifications during pre-design, preliminary design, and final design phases to ensure compliance with the consent decree; and prepared bidding documents &amp; led pre-bid meetings.</p> <p><b>ANNUAL REMOVE AND REPLACE SEWER REHABILITATION CONTRACT   CITY OF BATON ROUGE</b></p> <p>Project scope included rehabilitation of existing gravity sewer lines by open excavation to correct structural defects. Nicole's duties included: prepared project specific construction bidding documents including specifications and bid tabs; led pre-bid meetings for project and created addendums during procurement; reviewed bid tabulations and created contract documents; identified structural defects from CCTV, smoke testing, and dye testing data to create contractor work orders; and maintained constructed budget, prepared reconciliation statements and reviewed/approved invoice pay apps.</p> <p><b>ANNUAL PARISH-WIDE EMERGENCY SEWER REHABILITATION CONTRACT   CITY OF BATON ROUGE</b></p> <p>Project scope included emergency rehabilitation of existing gravity sewer lines and existing force mains by open excavation to correct structural defects. Nicole's duties included preparing bidding documents, leading pre-bid meeting, and construction administration services.</p>	

## TEC Professional Services Questionnaire

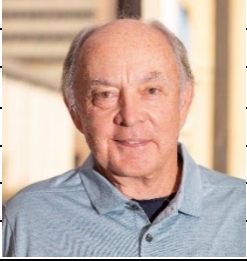
<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b> <span style="color: #0056b3;">Jordan Sparks, P.E., Project Engineer</span>	
<b>Project Assignment:</b> <span style="color: #0056b3;">Project Engineer</span>	
<b>Name of Firm with which associated:</b> <span style="color: #0056b3;">Sustainable Design Solutions, LLC</span>	
<b>Years' experience with this Firm:</b> <span style="color: #0056b3;">3 years</span>	
<b>Education: Degree(s)/Year/Specialization:</b> <span style="color: #0056b3;">Bachelor of Science, Civil Engineering LSU 2018</span>	
<b>Active registration: Year first registered/discipline:</b> <span style="color: #0056b3;">Professional Engineer, Louisiana License No. 0048232</span>	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Jordan is a civil engineer with over 4 years of experience. He currently works on a team of professional engineers as part of the Clean Water Shreveport program which is responsible for sanitary sewer overflow mitigation, capital improvement planning, and project management for water and wastewater projects. His experience includes critical infrastructure project management utilizing the project execution plan (conception, planning, conceptual and detailed design and specification review, procurement, and construction submittal review), scoping, prioritization, and cost estimate development for capital projects, technical report writing, development of constructibility reports, and assisting in securing grant funding.</p> <p><span style="color: #0056b3;">CLEAN WATER SHREVEPORT   CITY OF SHREVEPORT</span></p> <p>This project consists of providing engineering services to the City of Shreveport's Department of Water &amp; Sewerage including capital planning, design management, SSO mitigation, and utility management. Jordan serves as a project manager on this program. His tasks on this program have included the following: project development and design management for lift stations, gravity sewers, force mains, water mains, pumping stations, water storage tanks, and treatment plants; developing lift stations standard details and specifications according to Louisiana Department of Health and Ten State Standards requirements; updated standard specifications and details for water, wastewater, and construction documents; authored technical reports analyzing solutions for experienced service loss events; created a draft Integrated Plan analyzing ways to integrate water and wastewater improvements with proper allocation of funding to maintain both systems; and analyzed capacity and condition issues in City infrastructure and designed scopes, schedules, and cost estimates for future capital projects</p> <p><span style="color: #0056b3;">CITY OF SHREVEPORT WINTER STORM DISASTER REIMBURSEMENT   CITY OF SHREVEPORT</span></p> <p>This project's goal was to acquire financial recovery assistance for damaged water and wastewater infrastructure as the result of a federally declared disaster in February 2021. Jordan worked as both a project engineer and project manager. He analyzed submitted damages and made recommendations using engineering judgment to determine if the damage was caused by the disaster. He prepared cost estimates for water main replacements, wastewater equalization basin cleanup, lift station repairs, treatment plant equipment repair, and building repairs which were submitted to FEMA as part of the Preliminary Damage Assessment. He calculated quantities for sediment excavation and determined the number of trucks for cleanup of equalization basins which experienced power loss events.</p> <p><span style="color: #0056b3;">CITY OF SHREVEPORT LIFT STATION REHABILITATION PACKAGE   CITY OF SHREVEPORT</span></p> <p>This project was for the design of rehabilitation plans for 10 separate sewer lift stations across the City. Jordan reviewed construction plans, specifications and cost estimates and provided comments to design consultants. He calculated draw down rates, analyzed pump and system curves and provided calculations to verify pump selection. He was responsible for reviewing contractor submittals for compliance with project specifications, performing site visits to lift station sites and developed technical reports highlighting risks, safety concerns, utility conflicts, and constructability. Jordan also developed potential bypass plans for wastewater to maintain collection system capabilities during construction.</p>	



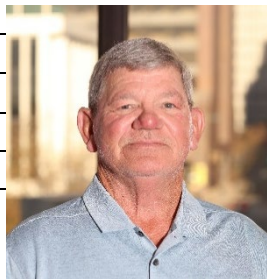
## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b> <b>Jeremy Labiche, E.I., Project Engineer</b>	
<b>Project Assignment:</b> <b>Project Engineer</b>	
<b>Name of Firm with which associated:</b> <b>Sustainable Design Solutions, LLC</b>	
<b>Years' experience with this Firm:</b> <b>1.5 years</b>	
<b>Education: Degree(s)/Year/Specialization:</b> <b>Bachelor of Science, Civil Engineering ULL 2018</b>	
<b>Active registration: Year first registered/discipline:</b> <b>Engineer Intern, Louisiana License No. 33781, 2018</b>	
<b>Other experience and qualifications relevant to the proposed Project:</b> <b>Traffic Control Technician, Traffic Control Supervisor</b>	
<p>Mr. Labiche is a Civil Engineering Intern and Project Manager with 5 years of experience. Jeremy supports construction administration and inspection on infrastructure projects including roadway construction, storm drainage and various civil works projects. Jeremy has also supported the design of sanitary sewer and storm water projects.</p> <p><b>FLANNERY ROAD – FLORIDA BLVD AREA SEWER REHABILITATION PROJECT, PHASE 3   CITY OF BATON ROUGE</b></p> <p>The Broadmoor sewershed has been experiencing a significant amount of SSO's. To alleviate this, this project installed installation of a new gravity collection system to reroute a portion of the existing sewer. Jeremy served as a design engineer on this project. His tasks included sanitary sewer design, cost estimation and drafting of the final construction plan.</p> <p><b>GREENWELL SPRINGS SPECIFIC COLLECTOR LINE PROJECT   CITY OF BATON ROUGE</b></p> <p>This project consists of a gravity sewer line installation in Baton Rouge. The purpose of this project is to route an existing septic system's sewer and convey it into the City's public sewer system where it can be properly treated. Jeremy's the lead design engineer on this project. His tasks included preliminary sanitary sewer design, permitting, cost estimation and drafting.</p> <p><b>INNOVATION PARK REGIONAL SEWER PROJECT   CITY OF BATON ROUGE</b></p> <p>To improve flexibility, reliability, and expand the regional capacity of the Innovation Park Drive area, the existing PS-446 is proposed to be replaced with a new pump station with a larger capacity. The new pump station will discharge into a 10-inch force main that will tie in to a new 20" force main. Jeremy served as a design engineer on this project. His tasks included assisting with sanitary sewer design, cost estimation and drafting of the construction documents.</p> <p><b>MS4 ROADSIDE DRAINAGE REPAIR   EAST BATON ROUGE PARISH</b></p> <p>The MS4 program's goal is to implement maintenance best practices that will restore the capacity of the City-Parish drainage infrastructure system back to its original design and close out back-logged service requests as a result. Jeremy managed daily site inspections for designated ditch segment repairs throughout the City-Parish. His management activities included coordination with residents/ homeowners and program team to ensure repairs were warranted as well as ensuring that repairs were completed to specifications outlined in project documentation. He also preformed quality checks on all inspection reporting to ensure final quantities and work order information was verified with published project documentation.</p>	

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b> <b>Bill McCollister, Lead Inspector</b>	
<b>Project Assignment:</b> <b>Inspector</b>	
<b>Name of Firm with which associated:</b> <b>Sustainable Design Solutions, LLC</b>	
<b>Years' experience with this Firm:</b> <b>4 years</b>	
<b>Education: Degree(s)/Year/Specialization:</b>	
<b>Active registration: Year first registered/discipline:</b>	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Bill is an experienced inspector and has over 50 years of Construction Management experience with 20 of those years include owning his own utility company. He has overseen excavation projects, roadway improvements and repairs, sanitary sewer open cut projects, access roads, roadside ditches, storm drains, and other large civil works construction projects.</p>	
<p><b>CLEAN WATER SHREVEPORT   CITY OF SHREVEPORT</b></p> <p>This project consists of providing engineering services to the City of Shreveport's Department of Water &amp; Sewerage including capital planning, design management, SSO mitigation, inspection services, and utility management. Bill serves as a lead inspector on this program. His tasks on this program have included the following: construction Management &amp; Inspection of water, wastewater, and stormwater assets; lead Resident Project Representative (RPR) who is responsible for the Inspection of sanitary sewer and potable water projects; performs reviews of all conformed documents specifications for accuracy of all code requirements; coordinates with design engineers in planning and finalizing project plans and specifications; and oversees change orders, RFI'S, and cost adjustments on projects.</p>	
<p><b>The projects he has served as the Lead Inspector for include the following:</b></p> <ul style="list-style-type: none"> <li>• <b>2NH1, North Highlands Sanitary Sewer Improvements (2019)</b></li> </ul> <p>The scope of this project included furnishing all labor, materials, equipment, and incidentals required to construct sanitary sewer improvements in their entirety. Work included the following: dry auguring with Casing (48") and carrier pipe (36"), slurry auguring carrier pipe with casing (8" and 36"), open cut gravity sewer main (8"-36"), precast sanitary sewer manholes (48", 60", and 72"), ancillary items as needed to complete the project including surface removals and restoration, bypass pumping, abandonment of the existing sanitary sewer system, access road, etc.</p> <ul style="list-style-type: none"> <li>• <b>2NH2, North Highlands Sanitary Sewer Replacement (2019)</b></li> </ul> <p>This project's scope included furnishing all labor, materials, equipment, and incidentals required to perform CCTV and conduct preparatory work. This work included heavy cleaning, cutting, and point repairs prior to installing CIPPL and lateral lining systems and manhole rehabilitation.</p> <ul style="list-style-type: none"> <li>• <b>Cedar Grove 101 Gravity Sewer Main Project (2020)</b></li> </ul> <p>This project requires the studying and reporting of alternatives for the rehabilitation or replacement of selected portions of approximately 28,000 feet of 36-inch diameter ductile iron pipe (DIP) force main that is approximately 45 years old.</p> <ul style="list-style-type: none"> <li>• <b>Stoner Force Main (2021)</b></li> </ul> <p>This project included design and construction of the emergency repair of an existing 48-inch gravity sewer line that collapsed. The scope of work included furnishing all labor, materials, equipment, and incidentals required and installing sewer force mains, gravity sewer mains, lift station, and other related work in its entirety. Work included, but not limited to, 36" PVC sewer force main, New Champion Lake lift station, extension of gravity sewer main to the new lift station, abandon old Champion Lake lift station, abandon old segments of Stone Force Main, and rehabilitate Waterview lift station. The sequence of work was critical for this project.</p>	

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b> Bobby Brown, Inspector	
<b>Project Assignment:</b> Inspector	
<b>Name of Firm with which associated:</b> Sustainable Design Solutions, LLC	
<b>Years' experience with this Firm:</b> 4 years	
<b>Education: Degree(s)/Year/Specialization:</b> EBEW Apprenticeship 1978-1982	
<b>Active registration: Year first registered/discipline:</b> Master Electrician, Louisiana & Texas ICC Certified Electrical Inspector	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Bobby is a lead Electrical and Controls Resident Project Representative (RPR) with 40+ years of experience who is responsible for the inspection of all contractor installations of equipment and material for compliance to the codes and specifications. Bobby's responsibilities include review of all conformed documents specifications for accuracy of all code requirements and coordination with design engineers in planning and finalizing project plans and specifications. Bobby oversees construction administration services such as change orders and RFI's on civil projects.</p> <p><b>CLEAN WATER SHREVEPORT   CITY OF SHREVEPORT</b></p> <p>This project consists of providing engineering services to the City of Shreveport's Department of Water &amp; Sewerage including capital planning, design management, SSO mitigation, inspection services, and utility management. Bobby serves as a lead inspector on this program. His tasks on this program have included the following: construction Management &amp; Inspection of water, wastewater, and stormwater assets; lead Electrical and Controls Resident Project Representative (RPR) who is responsible for the Inspection of all contractor installations of equipment and material for compliance to the codes and specifications; performs reviews of all conformed documents specifications for accuracy of all code requirements; coordinates with design engineers in planning and finalizing project plans and specifications; oversees change orders, RFI'S, and cost adjustments on projects; and ensures project designs and installations are in compliance with all code requirements for NEC, NFPA, OSHA, and SAFETY.</p> <p><b>The projects he has served as the lead inspector for include the following:</b></p> <ul style="list-style-type: none"> <li>• <b>12 Mile Water Plant (2016- 2019)</b></li> </ul> <p>The purpose of this project was to rehabilitate an existing lift station. This included the installation of a new 70-ft surge vessel, two 1500-HP pumps and motors, a new control room, two VFD controllers, new flow meter and vault, electrical systems, services, controls, control cabinets, conduit, and wire. A two-ton crane was utilized for this project. The building was upgraded with new A/C units, lighting protection system, Scada Panel, new piping and valves, actuators, slide gates, and actuators for valves. A new road was constructed leading to the location.</p> <ul style="list-style-type: none"> <li>• <b>St. Vincent Water Tower (2018)</b></li> </ul> <p>This project included improvements to the St. Vincent Water Tower's flow capability. The scope included the installation of new valves and piping to the tower, a new control room building, new electrical service, conduit, wire, and rerouting the alarm circuits to new control room.</p> <ul style="list-style-type: none"> <li>• <b>Lucas Wastewater Treatment Plant (2015-2018)</b></li> </ul> <p>The purpose of this project was to replace the RAS, WAS, Scum, Non-potable water, makeup water, and sodium hypochlorite systems. This replacement includes the installation of new piping, pumps, motors, valves and fittings, and new electrical disconnects and stands.</p> <ul style="list-style-type: none"> <li>• <b>68th and Union Booster Station (2017)</b></li> </ul> <p>The improvement of this lift station included the installation of a 750-KW 2200 Volt to 480 Volt backup generator on the water booster station. New transformers, conduit, wiring and a transfer switch were also installed for improvements.</p> <ul style="list-style-type: none"> <li>• <b>Champion Lift Station (2018-2020)</b></li> </ul> <p>This project detailed the installation of 36" diameter force main and construction of the new Champion Lake Lift Station. The new station was completed with two pumps and motors, one VFD, electrical service, control cabinet, conduit, wiring, controls, communications, wet well, liner system, and a flow meter. A 6' tall fence was installed around the lift station along with an access road.</p>	

## TEC Professional Services Questionnaire

<b>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.</b>		
<b>PROJECT NO. 1</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Clean Water Shreveport Program, (Shreveport, LA)</b> <b>Owner:</b> City of Shreveport <b>Owner Contact:</b> Director – Department of Water & Sewerage- William Danial P.E., William.daniel@shreveportla.gov, 318-673-6000	<b>Our responsibility on this program includes: project funding assistance, project scoping, management of design consultants, review of preliminary and final design, bidding services, project management, construction administration and inspection services.</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
<b>TBD</b>	<b>Entire Project:</b> <b>\$50M – Construction Cost</b> <b>\$9M - Consulting</b>	<b>Work for which Firm was Responsible:</b> <b>\$4.6M</b>
<b>Project Description:</b> Like many communities nationwide, the City of Shreveport, Louisiana has a legacy network of sanitary sewer infrastructure that, due to its poor condition, can sometimes overflow and spill untreated waste onto the ground and into area waterways. A federal consent decree was issued in 2014 for the City to comply with Clean Water Act standards by 2026.  At the time, the City expected that the total costs associated with the consent decree would be approximately \$350 million. In 2019, the City was nearly complete with two of five phases but had spent approximately \$415 million in sewer renewal and replacement, primarily because investigation of the sewer system over the same period had revealed substantially more defects and costs associated with repairs than originally imagined. The City then selected a new Program Management Team, Sustainable Design Solutions, a major sub-consultant, to oversee the program. After completing numerous program reviews, it became apparent that the City's capital program would need to be refocused to fit budgetary limitations. Since the reviews were completed, our team has supported the City with implementing significant changes. The long-term viability of the utilities and prioritizing the needs of the community are the focus moving forward. Our team continues to be responsive to the needs of the City as their priorities shift.  One major shift involved the type of projects being completed under the program. Rather than continuing forward with another massive investment to repair all underground infrastructure, high-priority projects were selected to support the City's obligations to provide reliable utility service. Eighteen critical infrastructure projects were identified that affect key aspects of the water and sewer utility operations but are also projected to meet the City's budgetary restrictions. We also evaluated the City's historical sanitary sewer overflow (SSO) records, which indicate that the majority of SSOs in the City occur during dry weather. The program team has		

## TEC Professional Services Questionnaire

used this data to develop targeted strategies for SSO mitigation and reduction, including sewer cleaning and review of the City's Collection System Capacity, Management, Operation, and Maintenance (CMOM) programs. These investments will allow the City to focus on issues affecting the long-term viability of its water and wastewater systems.

In addition, we evaluated the City's wastewater hydraulic model, which can be used as a tool to guide engineers to problem areas of the collection system that need to be improved and planned for future projects. The review indicated that the model was not accurately representing actual flows measured in the sewer system. The program team then recommended the hydraulic model be updated and recalibrated to provide the City with an effective tool for future design projects. Data continues to be collected to further update and expand the model into other areas of the collection system, which will continue to support capital project development through the life cycle of the program. We have also shifted quickly to support the City during crisis situations. A historic winter storm affected the City's water system in February 2021, resulting in significant portions of the community being without water service for more than a week. We provided support during the City's recovery efforts and are coordinating with the City to pursue financial assistance related to the federal emergency declaration. We have developed a priority water system capital improvement plan and are supporting the City with delivery of critical water system projects.

**Sustainable (SDS) has been integral to the execution of the below projects within the Program:**

### **Lift Station Rehabilitation Packages – February 2021 to Current**

SDS reviewed and analyzed the lift station assessment report to identify potential lift station rehabilitation candidates. Forty-two **(42) lift stations** between the sizes of 0.3 MGD to 42 MGD were identified for condition and/or capacity upgrades. SDS coordinated with the client to determine priorities and finalize the lift station rehabilitation package list. Our team provided the following services:

- Created project scoping documents to define project's objectives, required submittals, and delivery schedule to effectively manage project's design.
- Reviewed plans and specifications during pre-design, preliminary design, and final design phases to ensure compliance with the consent decree.
- Prepared bidding documents for project procurement & led pre-bid meetings for projects during procurement phase.

### **FEMA Public Assistance Grant Funding – February 2021 to Current**

SDS assisted the City of Shreveport's Department of Water and Sewerage in assessing damages and requesting Public Assistance grant funding for costs incurred due to the 2021 Severe Winter Storms and acquired over \$1,000,000 in reimbursement for the City from FEMA and insurance. SDS tasks included the following:

- Worked with all divisions within the department including Water Purification, Wastewater Treatment, Field Operations, and Customer Service.
- Adhered to schedules and deadlines set by the City's insurance provider and FEMA.
- Reviewed work history records and Invoices to determine eligible costs for Insurance and FEMA claims.
- Provided recommendations and feedback regarding record keeping processes to allow for efficient identification of costs in future disaster situations.
- Analyzed data from the work order management software, Cityworks, to estimate the value of untracked costs based on similar work completed.



## **TEC Professional Services Questionnaire**

### **FEMA Hazard Mitigation Grant Program – June 2023 to Current**

SDS assisted the City of Shreveport's Department of Water & Sewerage with obtaining grant funding for emergency generators for critical water distribution infrastructure. Our team worked with the City's Grants Manager to prepare required documentation for grant application submission to GOHSEP and FEMA. The documents developed include cost estimates, Benefit Cost Analysis, location and flood plain maps, and proposed project schedules. This project is currently under review by GOHSEP.

### **Wallace Force Main Improvements – September 2023 to Current**

The SDS team identified capacity and condition issues in an existing 36" diameter sanitary sewer force main (45,000 LF) which serves eleven (11) lift stations in the City of Shreveport. Our tasks included:

- Developed project scoping documents to define the projects objectives, required submittals, and delivery schedule to meet EPA deadlines.
- Management of selected design consultant including development of task orders, review and approval of design proposals, review of pay requests, and review of design submittals from the scoping phase through construction.

### **Miscellaneous Gravity Sewer Improvements, Lucas Outfall Sub-basin– September 2023 to Current**

Our team identified capacity restricted gravity sewer segments in the City of Shreveport wastewater collection system based on a combination of available hydraulic modeling results and records of historical sanitary sewer overflows. This project is currently in the study and report phase and includes rerouting and/or up-sizing approximately 5,500 linear feet of gravity sewer ranging from 8" to 15" diameter. Our tasks included:

- Developed project scoping documents
- Management of selected design consultant including development of task orders, review and approval of design proposals, review of pay requests, and review of design submittals from scoping phase through construction.

#### **Scope Relevance:**

- Sanitary Sewer Design
- Sewer - Construction Engineering & Inspection Services

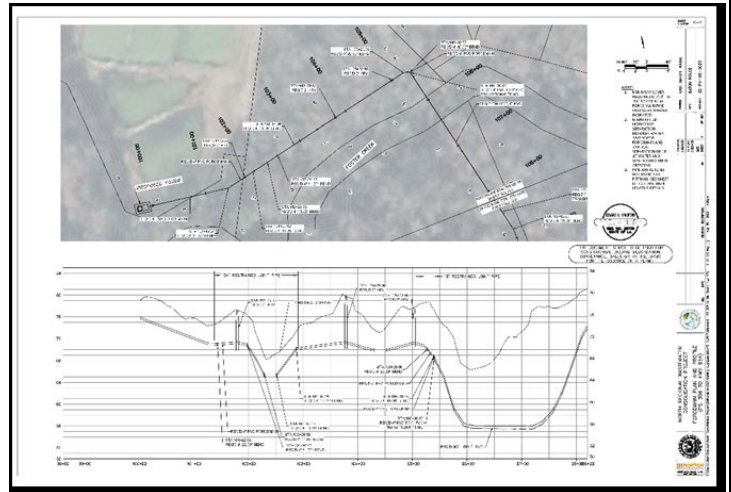
#### **Members Involved**

##### **Included in this Proposal:**


- Bill McCollister
- Bobby Brown
- Nicole Henderson, P.E.
- Jordan Sparks, P.E.
- Kodi Guillory, P.E.

## TEC Professional Services Questionnaire


<b>PROJECT NO. 2</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>North Regional Wastewater Consolidation Project, (East Baton Rouge Parish, LA)</b></p> <p><b>Owner:</b> City of Baton Rouge  <b>Owner Contact:</b> Interim Director – Department of Environmental Services, Adam Smith, P.E.  amsmtih@brla.gov, 225-389-4865</p>	<p><b>Force Main Design</b></p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<b>2024 (e)</b>	<b>\$4M– Construction Cost</b>	<b>\$120,000</b>
<p><b>Project Description:</b></p> <p>There are currently 2 separate package plants located in north East Baton Rouge Parish that treat the wastewater from nearby communities on site and do not tie-in to the public City-Parish wastewater system. To consolidate this infrastructure and better treat the wastewater, this project was developed.</p> <p>Currently, Sustainable is working on the preliminary design of the two force mains for this project, totaling 4.26 miles. The proposed force main ranges from 4" - 12" in diameter. Sustainable will also be responsible for final design, cost estimation and project management.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p><b>Scope Relevance:</b></p> <ul style="list-style-type: none"> <li>➤ Sewer Design</li> <li>➤ Project Management</li> <li>➤ Cost Estimation</li> </ul> </div> <div style="width: 45%;"> <p><b>Members Involved Included in this Proposal:</b></p> <ul style="list-style-type: none"> <li>➤ Jeremy Labiche, E.I.</li> <li>➤ Talene Kaltakjian, P.E.</li> <li>➤ Kodi Guillory, P.E.</li> </ul> </div> </div>		



## TEC Professional Services Questionnaire


<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
<b>LDEQ Technical Assistance Program (Statewide, Louisiana)</b>  <b>Owner:</b> Louisiana Department of Environmental Quality, Subconsultant to Louisiana Rural Water Association <b>Owner Contact:</b> Executive Director, Pat Credeur, pcredeur@lrwa.org, 337-230-8446	<b>Technical Assistance</b> <b>Cost Estimation</b> <b>High-level engineering studies</b>	
<b>Completion Date (Actual or estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<b>2025 (e)</b>	<b>TBD</b>	<b>\$200,000</b>
<div style="display: flex;"> <div style="flex: 1;"> <p><b>Project Description:</b></p> <p>The LDEQ Technical Assistance program is intended to assist various small, disadvantaged communities throughout Louisiana, whose wastewater infrastructure has been in noncompliance, with a path forward to get their system into compliance with all permit limits.</p> <p>The program entails assessing the towns' existing wastewater infrastructure, reviewing permit effluent exceedances, and providing a feasible resolution as well as an alternative to each municipality. The types of wastewater infrastructure being assessed include, but are not limited to, wastewater treatment plants, effluent ponds, pump stations, gravity and/or force main piping. The goal of this program is to provide a technical report to support the communities when pursuing grants and SRF loan funding. Our staff's tasks for each community assessment include the following: performing site visits to analyze existing infrastructure; reviewing existing data, such as permit exceedances and as-built drawings; finalizing a design study report; and cost estimation of proposed solutions and alternatives.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p><b>Scope Relevance:</b></p> <ul style="list-style-type: none"> <li>➤ Sewer Project Planning</li> <li>➤ Cost Estimation</li> <li>➤ Preliminary Design Studies</li> <li>➤ Sewer Field Investigations</li> </ul> </div> <div style="width: 45%;"> <p><b>Members Involved Included in this Proposal:</b></p> <ul style="list-style-type: none"> <li>➤ Jeremy Labiche, E.I.</li> <li>➤ Talene Kaltakjian, P.E.</li> <li>➤ Kodi Guillory, P.E.</li> </ul> </div> </div> </div> <div style="flex: 1; text-align: center;">  </div> </div>		

## TEC Professional Services Questionnaire

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Innovation Park Drive Sanitary Sewer Regional Project (Baton Rouge, LA)</b> <b>Owner:</b> City of Baton Rouge <b>Owner Contact:</b> Director, Department of Water & Sewerage, Adam Smith, P.E., amsmith@brla.gov, 225-389-4865	<b>Design</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<b>2023 (A)</b>	<b>\$4.9 Mill – Construction Cost</b>	<b>\$90,000 – CE&amp;I fees</b>
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p><b>Project Description:</b></p> <p>The City-Parish plans to improve flexibility, reliability, and expand the regional capacity of the Innovation Park Drive area in anticipation of future developments. This project includes upgrading Pump Station 446; performing the Pump Station 466 design calculations to determine the pump curves, wet well size, and configuration; installing a new 12" force main along Catahoula Dr; installing a new 20" force main along Innovation Dr; the preparation of all standard and special details; the preparation of bid documents; performing the restraint joint calculations; and upsizing a run of gravity sewer pipe.</p> </div> <div style="width: 35%; text-align: center;">  </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p><b>Scope Relevance:</b></p> <ul style="list-style-type: none"> <li>➤ Sewer Design</li> <li>➤ Force Main and Pump Station Calculations</li> </ul> </div> <div style="width: 45%;"> <p><b>Members Involved Included in this Proposal:</b></p> <ul style="list-style-type: none"> <li>➤ Jeremy Labiche, E.I.</li> <li>➤ Talene Kaltakjian, P.E.</li> <li>➤ Kodi Guillory, P.E.</li> </ul> </div> </div>		




## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Flannery Road- Florida Blvd Area Rehabilitation Project, Phase 3, (Baton Rouge, LA)</b>  <b>Owner:</b> City of Baton Rouge <b>Owner Contact:</b> Director, Department of Water & Sewerage, Adam Smith, P.E., amsmith@brla.gov, 225-389-4865	<b>Design</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<b>2023 (A)</b>	<b>\$800,000 – Construction Cost</b>	<b>\$60,000 – CE&amp;I fees</b>
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Project Description:</b></p> <p>This project includes installation of approximately 1,100 linear feet of new 12-inch gravity sewer main to reroute a portion of the Broadmoor area sanitary sewer collection basin. Project improvements include constructing a doghouse manhole which will be installed adjacent to Broadmoor Avenue to intercept an existing 8-inch gravity main which runs in a southwestern direction between S. River Oaks Drive. and Woodbine Street. The project will reduce the sanitary sewer overflows in the Broadmoor area sewer collection basin and improve the reliability of the existing gravity sewer collection system by rerouting a portion of the overall flow down Broadmoor Ave. and N. Parkview Dr. and tying in further downstream. This project included the preparation of all design calculations, plans, and specifications.</p> </div> <div style="width: 45%; text-align: center;">  <p style="color: blue; font-weight: bold; font-size: small;">Image 4: Force Main Installation</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p><b>Scope Relevance:</b></p> <ul style="list-style-type: none"> <li>➤ Sewer Design</li> <li>➤ Cost Estimation</li> <li>➤ Project Management</li> </ul> </div> <div style="width: 45%;"> <p><b>Members Involved Included in this Proposal:</b></p> <ul style="list-style-type: none"> <li>➤ Kodi Guillory P.E.</li> <li>➤ Talene Kaltakjian, P.E.</li> <li>➤ Jeremy Labiche, E.I.</li> </ul> </div> </div>		



## TEC Professional Services Questionnaire

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b> <b>Greenwell Springs Septic Collection, (Baton Rouge, LA)</b> <b>Owner:</b> City of Baton Rouge <b>Owner Contact:</b> Director, Department of Water & Sewerage, Adam Smith, P.E., amsmith@brla.gov, 225-389-4865	<b>Nature of Firm's Responsibility:</b>  <b>Design</b>	
<b>Completion Date (Actual or estimated):</b>  <b>2024 (e)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>  <b>\$800,000</b>	<b>Work for which Firm was Responsible:</b>  <b>\$60,000 – Engineering &amp; Design Fees</b>
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p><b>Project Description:</b></p> <p>A Greenwell Springs subdivision's septic system that is currently flowing into local stormwater drainage ways is proposed to be rerouted to a publicly owned treatment facility. This project includes installation of approximately 673 linear feet of 8-inch PVC gravity sewer line and 368 linear feet of 12-inch PVC gravity sewer line to collect this septic flow and discharge to an existing manhole that ultimately flows to a wet well at Pump Station 503. The new gravity line will cross under Greenwell Springs Rd (LA Hwy 37) by trenchless methods. The City of Baton Rouge/Parish of East Baton Rouge, Department of Environmental Services (City-Parish) has engaged Sustainable Design Solutions, LLC (SDS) for the Engineering &amp; Design, data collection, permitting, and the preparation of the plans and specifications for this project.</p> </div> <div style="width: 35%; text-align: center;">  <p><i>Image 5: Gravity Sewer Line Installation</i></p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p><b>Scope Relevance:</b></p> <ul style="list-style-type: none"> <li>➤ Gravity Sewer Design</li> <li>➤ Permitting</li> </ul> </div> <div style="width: 45%;"> <p><b>Members Involved Included in this Proposal:</b></p> <ul style="list-style-type: none"> <li>➤ Kodi Guillory, P.E.</li> <li>➤ Talene Kaltakjian, P.E.</li> <li>➤ Jeremy Labiche, E.I.</li> </ul> </div> </div>		

## TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A	N/A	Sustainable has no prior, current, or anticipated litigation with Jefferson Parish
2. N/A	N/A	N/A
3. N/A	N/A	N/A
4. N/A	N/A	N/A

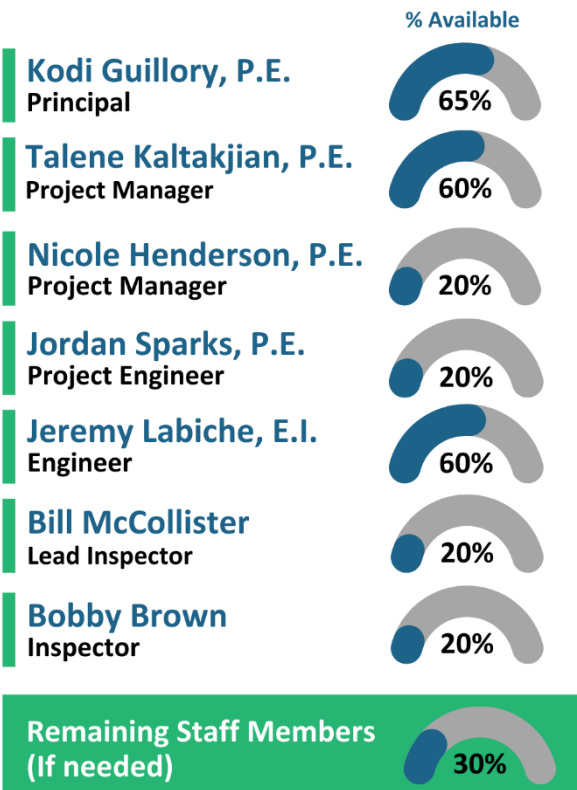
**N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.**

### ABOUT SUSTAINABLE DESIGN SOLUTIONS

Founded in 2019, Sustainable Design Solutions, LLC (Sustainable) is a woman owned, DBE certified Engineering firm that has provided engineering design, program management, permitting, and construction engineering & inspection services on civil works projects. Combined, the staff has over 200 years of experience in civil works design, planning, management, and construction administration. Sustainable focuses on providing solutions in the municipal public works sector and the coastal engineering sector and has grown to be a firm that is proficient in the planning and design of wastewater, coastal, transportation, potable water, and stormwater management projects.



### KEY PERSONNEL QUALIFICATIONS AND EXPERIENCE



Our team members are diverse with experience in various civil engineering sectors such as coastal, water, wastewater, civil construction, environmental, transportation and drainage. We meet the below qualifications, as required by the SOQ:

- One principal who is a professional engineer who shall be registered as such in Louisiana.
- A professional in charge of the project who is a professional engineer who shall be registered as such in Louisiana with a minimum of five (5) years' experience in the disciplines involved.
- One employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project.

Our Principal, Kodi C. Guillory, P.E., is the sole proprietor of Sustainable Design Solutions, LLC and has over 17 years of experience working on transportation, coastal projects, as well as program management and sanitary sewer design experience. Kodi serves as the technical lead of Sustainable and is heavily involved in the development of all technical documents, plans, and specifications that the company provides to clients. Kodi Guillory, P.E. has spent most of her career performing engineering and design tasks while also managing projects that exceed \$1.5B. Her experience spans from program management to general civil design.

## TEC Professional Services Questionnaire

### WASTEWATER COLLECTION SYSTEM EXPERIENCE

Sustainable has delivered more than 300,000-LF of sanitary sewer improvements throughout Louisiana. We support our clients with their wastewater collection system needs across four critical functions: Developing capital improvement plans and asset renewal strategies; Conducting hydraulic analysis and system capacity evaluations; Developing design drawings and specifications; and Managing project bidding and construction.

Sustainable's project delivery team includes NASCCO certified engineers trained in the processing and evaluation of sanitary sewer condition data. Using Innovyze Info360 Asset software, we leverage our condition assessment expertise together with geospatial risk modeling approaches to bring clarity to sewer renewal and replacement priorities. This service is particularly useful for communities interested in understanding the overall condition of their system and developing capital improvement plans and annual maintenance strategies to maximize the level of service and useful life of their collection system assets.

A more design-focused approach may be required for communities who have already identified specific projects for their collection system. For example, if the collection system is challenged with sewer overflows or system capacity issues, our project engineers are equipped with the software and experience to analyze existing and forecasted hydraulic scenarios, ensuring that improvements enhance system performance across a range of flow and rainfall conditions.

### WASTEWATER CONVEYANCE SYSTEM EXPERIENCE

In addition to our experience with planning and designing collection system infrastructure, Sustainable has also delivered more than 20 wastewater lift stations throughout Louisiana.

Our approach to lift station design begins with establishing firm basis of design parameters for each station, which include existing and anticipated populations and resulting flow rates, pump and motor type, pump operating set points, base flood elevation, wetwell depth and diameter, minimum pump cycle time, piping and valve configuration, discharge force main material, length and diameter, among other variables. From there, we input these design parameters into our in-house pump station design model to capture system curves, which we use to begin the pump selection process. Once we submit our system curves to various pump manufacturers, we're able to identify various pump options and their associated pump curves. We then input the pump curves into our model to analyze system-head conditions, pump efficiencies and operating envelopes. From there, we're able to calculate and optimize annual operating costs and make the final pump recommendations.

Finally, our project delivery team will work with public works officials to understand their preferences for lift station operation and system monitoring and control functionality.



### LOCATION OF FIRM

Sustainable's main office is located in downtown Baton Rouge and is less than an hour from Jefferson Parish.

300,000+

Linear feet of sanitary  
sewer and force main  
projects delivered in  
Louisiana

20+

Wastewater lift  
stations

## TEC Professional Services Questionnaire

### PROJECT MANAGEMENT METHODS/PROCESS

Through our project management strategies, we recognize that both time management and flexibility are essential to successful project delivery. We begin these strategies as early as the Initiation Phase in order to ensure each project is set up for success. We make sure to include all key stakeholders in early design decisions to reduce the likelihood of major design changes at the end of a project.

Our staff is able to recognize critical path items and begin progress on those items as soon as possible for efficient project delivery. QA/QC processes begin early on and are applied in each design stage phase to ensure a quality design. These attributes are then carried into construction, guaranteeing client and public satisfaction.



### QUALIFICATIONS/CABILITIES

Sustainable offers a wide range of Civil Engineering services including the following:

- Sanitary Sewer Design
- Wastewater Treatment
- Lift Station Design
- Pedestrian Facilities Design/ADA Compliance
- Drainage Design
- Construction Management
- Project/Program Management
- Construction Inspection
- Environmental Compliance
- Roadway Design
- Construction Plans & Specifications
- General Civil Engineering

## DESIGN PROCESS



## TEC Professional Services Questionnaire

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

Signature: Kodi Guillory Print Name: Kodi Guillory

Title: President Date: 12/8/2023



The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name:

Sustainable Design Solutions,  
LLC

Public Address:

Ms. Kodi C. Guillory  
P. O. Box 64604

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0006598	Active	02/18/2019	09/30/2025	Mrs. Kodi Collins Guillory # PE.0035951