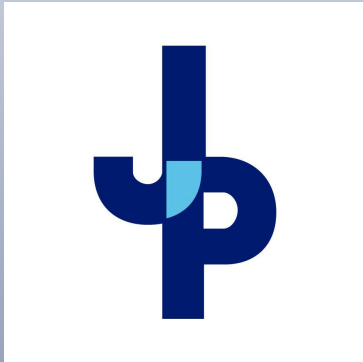


ROUTINE ENGINEERING SERVICES FOR DRAINAGE PROJECTS



935 Gravier Street, Suite 600
New Orleans, LA 70112
P: (225) 408-0932
Federal Tax ID #81-0966624



ENGINEERING LLC

Vision: The Professional Service Provider of Choice

Mission: Deliver superior services that exceed clients' and communities' expectations through responsive and empowered employees

Contact Person: Ben Malbrough, P.E.
President
P: (985) 219-1000
F: (985) 632-5628
bmalbrough@gisy.com





June 21, 2024

Drainage Department
Parish of Jefferson

**RE: ROUTINE ENGINEERING SERVICES FOR DRAINAGE PROJECTS
Resolution No. 144202**

Dear Members of the Selection Committee:

GIS Engineering, LLC. (GIS) is pleased to submit this proposal electronically via the Parish's e-procurement system, Central Bidding for the above-mentioned project. GIS is a Louisiana-owned engineering firm comprised of over 170 employees within the State with extensive experience on sewer projects throughout Louisiana. Our Team takes great pride in GIS' ability to provide timely, cost-effective designs that add value for our clients.

GIS looks forward to developing a strong relationship and will explicitly comply with all Parish design standards and applicable codes. We appreciate your time and consideration on the review of our qualifications. Should you have any questions or concerns, please do not hesitate to contact me directly.

Sincerely,

A handwritten signature in blue ink, reading 'Kyle J. Galloway', positioned above a horizontal line.

Kyle J Galloway, PE
Director of Operations

GIS Engineering, LLC
935 Gravier Street, Suite 600
New Orleans, LA 70112
985-219-1023
kgalloway@gisy.com

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Drainage Projects
SOQ No.: 24-015; Res. No. 144202

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



935 Gravier Street | Suite 600
New Orleans, LA 70112

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:

Ben Malbrough, PE, Vice President
Office: (985) 219-1000 Email: bmalbrough@gisy.com

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

Kyle J Galloway, PE, Project Manager
Office: (985) 219-1023 Cell: (504) 264-3504 Email: kgalloway@gisy.com

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

LA	US	DISCIPLINE	LA	US	DISCIPLINE	LA	US	DISCIPLINE
10		Administrative	3		Estimators	2		Specification Writers
		Architects (Licensed)			Geologists	5		Structural Engineers
		Chemical Engineers			Geotechnical Engineers			Graduate Engineers
15		Civil Engineers			Interior Designers	20		Project Managers
11		Construction Inspectors			Landscape Architects	8		Clerical
		Ecologists	40		Land Surveyor	1		Grant/Funding Specialist
6		Electrical Engineers	6		Mechanical Engineers	3		Sanitary Engineers
19		Engineer Intern	1		Environmental Engineers	14		Designers
8		Professional Land Surveyors			TOTAL	174		

NOTE: LA=Louisiana Personnel US=United States Personnel (outside of Louisiana)

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.

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.

G1.

G2.

H. Has this JOINT-VENTURE previously worked together? YES ☐ NO ☐

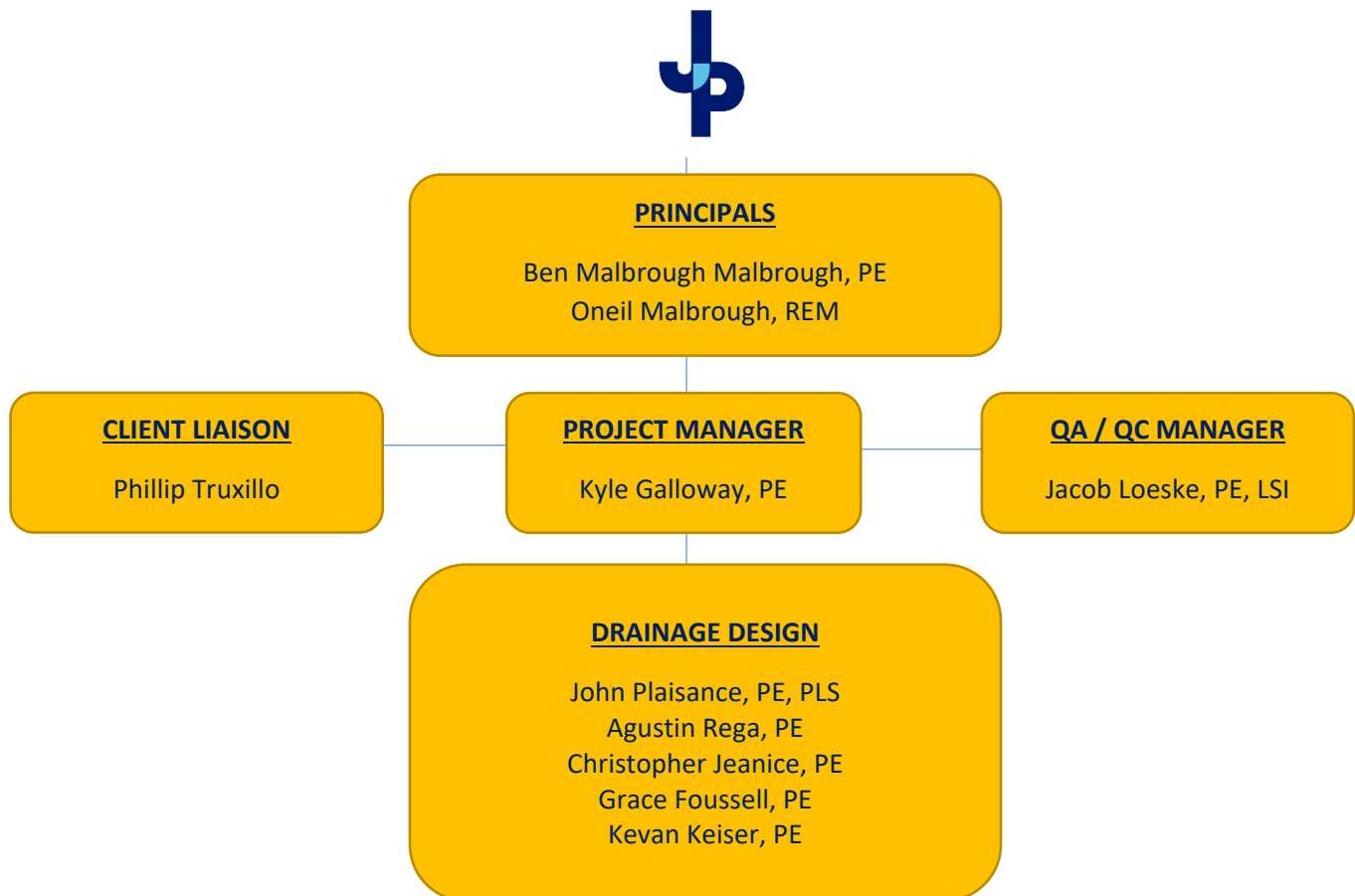
TEC Professional Services Questionnaire

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

	Name & Address	Specialty	Worked with Firm Before (Yes or No)
1.	N/A		
2.			
3.			

- J. Please specify the total number of support personnel that may assist in the completion of this Project:
 There are 174 support personnel in our Louisiana offices.

- 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.



TEC Professional Services Questionnaire

PROFESSIONAL IN CHARGE OF PROJECT:
Name & Title:
Oneil P. Malbrough, Jr., REM, Sr. Vice President
Project Assignment:
Principal in Charge
Name of Firm with which associated:
GIS Engineering, LLC
Years' experience with this Firm:
With this firm: <u>7</u> With other firms: <u>40</u>
Education: Degree(s) / Year / Specialization:
Masters of Science / 1995 / Environmental Engineering Bachelors of Science / 1975 / Engineering Science
Active registration: Year first registered / discipline:
Year first registered: <u>1992</u> Branch: <u>Registered Environmental Manager</u> LA License No. <u>5311</u>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Malbrough has more than 40 years of engineering and environmental consulting experience, that includes supervising a staff of engineers, land surveyors, environmental professionals, engineering technicians and CADD drafters for work on levee projects, flood control projects, navigation projects, hurricane protection projects, coastal restoration projects, permits, environmental assessments and NEPA compliance, road and bridge projects, and master planning for ports and local parishes. This has given him the expertise, skill, and insight required to provide thorough and accurate results for successful project execution and delivery.</p> <p>TOWN OF GRAND ISLE (TOGI) (2016) Mr. Malbrough and his team assisted the TOGI in completing Emergency Repairs to a portion of the Grand Isle and Vicinity Beach Erosion and Hurricane Protection Project Levee on the western end of Grand Isle.</p> <p>JEFFERSON PARISH (JP) COMPREHENSIVE COASTAL PLAN (1992, 2002, 2012) In 1992 Mr. Malbrough led a team of coastal engineers and scientists to produce a Coastal Master Plan for JP. In 2002 and 2012, Mr. Malbrough led his team to update the Plan with current and new projects.</p> <p>NUMEROUS CWPPRA PROJECTS IN JEFFERSON PARISH (1985-2005) For over 20 years, Mr. Malbrough assisted Jefferson Parish with moving several shoreline protections, marsh creation, barrier island restoration, and outfall management projects through the CWPPRA process. He helped deliver 16 projects that benefited nearly 8,000 acres in the Barataria Basin.</p> <p>LA DEPT OF NATURAL RESOURCES COMPREHENSIVE BARRIER ISLAND STUDY: (1990-1994) Mr. Malbrough and his CEEC Team worked as a subcontractor to T. Baker Smith and Sons for the LA-DNR to conduct a Comprehensive Barrier Island Study for the Louisiana Coast from the Mississippi River to the Atchafalaya River.</p> <p>SOUTH TERREBONNE TIDEWATER AND CONSERVATION DISTRICT (STTMCD): (2007, 2014) In the early 1990's Mr. Malbrough and his team were the Principal Lead for the Local Sponsors, STTMCD and LADOTD in a USACE Feasibility Study for the Morganza to the Gulf, which was eventually authorized in 2007 and again in 2014.</p> <p>AMITE RIVER AND TRIBUTARIES ECOSYSTEM/BAYOU MANCHAC RESTORATION STUDY, PONTCHARTRAIN LEVEE DISTRICT (2004 – 2014) Mr. Malbrough supervised the engineering and planning support for this ecosystem feasibility study on behalf of the PLD. While the primary focus of the study was ecosystem restoration, the study also included other measures such as flood control, flood risk reduction and recreational benefits.</p> <p>DREDGED MATERIAL LONG-TERM MANAGEMENT PLAN, LA - DNR (1993 – 1994) As Program Manager, Mr. Malbrough led his team to develop a long-term management plan for beneficial use of dredged material for all 10 of the federally sponsored navigation channels: Mississippi River, MRGO, Barataria Bay Waterway, GIWW, Bayou Lafourche, HNC, Atchafalaya River, Freshwater Bayou, Mermentau River and Calcasieu River.</p>

TEC Professional Services Questionnaire

PROFESSIONAL IN CHARGE OF PROJECT:
Name & Title:
Ben Malbrough, PE, Vice President
Project Assignment:
Principal in Charge
Name of Firm with which associated:
GIS Engineering, LLC
Years' experience with this Firm:
With this firm: <u>1</u> With other firms: <u>19</u>
Education: Degree(s) / Year / Specialization:
Masters of Science / 2009 / Civil Engineering Bachelors of Science / 2004 / Civil Engineering
Active registration: Year first registered / discipline:
Year first registered: <u>2009</u> Branch: <u>Civil Engineer</u> LA License No. <u>34319</u>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Malbrough is a professional engineer registered in Louisiana with almost 20 years of engineering experience with a focus on water resources, civil/structural, coastal, and flood protection projects. He has played a wide range of roles through this time including project engineer, project manager, and program manager. Over the last 10.5 years, Mr. Malbrough has been heavily involved in the development and implementation of multiple major water management projects including pump stations, water control structures, conveyance channel improvements, and drainage structure upgrades. His diverse background as an engineer coupled with his extensive experience as the executive of a political subdivision, make Mr. Malbrough an asset to any Public Works project.</p> <p>EXECUTIVE DIRECTOR, BAYOU LAFOURCHE FRESH WATER DISTRICT, Thibodaux, LA (2013-2023) As Executive Director of the Bayou Lafourche Fresh Water District (District), Mr. Malbrough's responsibilities were to oversee all operations and administration of the District. In addition to the management of the District's daily operations, he was also responsible for working with local, state, and federal officials in order to secure funding for a capital improvements program estimated to be over \$200,000,000. In his role as Executive Director, he managed the implementation of over \$150,000,000 of this capital improvements program, which has included securing the funding, procurement and management of professional services (engineering, surveying, permitting, and construction management), procurement of construction contractor, and assist in the management of the construction contract until project completion. The centerpiece of this capital improvements program is the construction of a \$97,000,000 pump station facility on the batture of the Mississippi River in Donaldsonville, LA.</p> <p>PROJECT MANAGER, PORT OF IBERIA, Iberia Parish, LA (2010-2013) Mr. Malbrough managed the design for over \$10 million of construction projects for the Port. The projects included port expansion, bank line stabilization, maintenance dredging, regulatory compliance, and planning efforts. His tasks involved client coordination, regulatory coordination, design calculations, report preparation, and construction management.</p> <p>UPPER GRAND CAILLOU PUMPING STATION REPAIR, TERREBONNE PARISH CONSOLIDATED GOVERNMENT, Houma, LA (2010) Mr. Malbrough served as the project engineer overseeing large scale repairs to the existing Upper Grand Caillou pumping station. These repairs were to the existing foundation along with other components in its vicinity. His tasks were to assist in the design and complete cost estimates for the different alternative repair solutions.</p> <p>CITY OF GRAND ISLE PUMPING STATIONS, CITY OF GRAND ISLE, Grand Isle, LA, (2007-2008) Ten pump stations located throughout Grand Isle had to be reconstructed to meet current FEMA flood elevations requirements. In order to meet these requirements, all pump stations had to be designed according to FEMA guidelines. Mr. Malbrough's tasks were to complete the design and cost estimate for all pump stations, as well as coordinate with FEMA and the Town of Grand Isle to be sure all of their requirements were met.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Kyle J Galloway, PE, Project Manager, Civil & Environmental Engineering
Project Assignment:
Project Manager
Name of Firm with which associated:
GIS Engineering, LLC
Years' experience with this Firm:
With this firm: <u>5</u> With other firms: <u>10</u>
Education: Degree(s) / Year / Specialization:
Bachelors of Science, Civil Engineering, Professional Leadership Minor, 2009 Masters Certificate, Coastal Engineering, 2013
Active registration: Year first registered / discipline:
Year first registered: <u>2015</u> Branch: <u>Civil</u> LA License No. <u>40317</u>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Galloway is a proven leader and manager with 12 years of experience in civil engineering and leadership of large, complex organizations. He possesses strong technical skills in coastal engineering, drainage design, storm water management, and hydrologic and hydraulic modeling. A 13-year veteran of the Louisiana Army National Guard, Mr. Galloway has a history of success leading large organizations, including command of a company of over 150 equipment operators, maintenance technicians, and support staff. For the last five years, he has managed diverse civil engineering and consulting projects, leading multi-disciplinary teams to deliver value to clients.</p> <p>LANDRY'S HOLE AND CYPRESS LANE PUMP STATIONS – Grand Isle, LA (2020) Mr. Galloway oversaw the design of expansions to two existing pump stations in Grand Isle, LA. The project will add two 24" pumps with electric motors and diesel back-ups to each existing pump station. Mr. Galloway managed the survey and design of each station.</p> <p>JONES POINT – LA 301 DRAINAGE IMPROVEMENTS – Lafitte Area Independent Levee District, LA (2020-Ongoing) Mr. Galloway is managing the design of drainage improvements in the Jones Point area near the Town of Jean Lafitte. The project involves extensive coordination among several consultants working to deliver flood risk reduction from storm surges and rainfall. GIS completed the design of subsurface drainage improvements in June 2021 and is coordinating with DOTD to secure the required project permit.</p> <p>MONTZ PUMP STATIONS – St. Charles Parish, LA (2021-Ongoing) Mr. Galloway is managing the design of two drainage pump stations that will reduce flood risk in the Montz area of St. Charles Parish. The pump stations will add a combined 607 CFS pumping capacity to the basin. Mr. Galloway is responsible for overseeing design, permitting, surveying, coordination with adjacent landowners (including railroads), and coordination with the US Army Corps of Engineers to discharge over the Bonnet Carré Spillway Upper Guide Levee.</p> <p>UPPER BARATARIA RISK REDUCTION SYSTEM – Lafourche & St. Charles Parish, LA (2018-Ongoing) Mr. Galloway is the Project Manager for GIS's design efforts on this project. In 2018, he oversaw the preparation of the 10% conceptual design report for the project, which defined the project features and alignments and estimated the project costs. In 2019, he oversaw the preliminary design of T-walls and a roller gate within the project along with a drone survey of 11 miles of levees in the project alignment. He is currently overseeing the design of a 270' wide barge gate and a \$3.5M levee lift.</p> <p>BAYOU TERREBONNE DRAINAGE PROJECT – Terrebonne Parish, LA (2018-Ongoing) Mr. Galloway is the Project Manager for this watershed management project. Terrebonne Parish intends to construct a pump station and water control structures to decrease flood surface elevations in Bayou Terrebonne. Mr. Galloway led a hydrologic and hydraulic study of the watershed to determine the best course of action to accomplish the project goal and managed design of the proposed 400 CFS pump station and associated levees and control structures.</p>

TEC Professional Services Questionnaire

ST. ROCH DRAINAGE IMPROVEMENTS AND GREEN INFRASTRUCTURE – New Orleans, LA (2015-2017)

Mr. Galloway oversaw the design of rain gardens, permeable parking lanes, and permeable sidewalks, including streetscaping details, cross-sections, and planting plans. He also assisted with modeling the existing and proposed drainage network using EPA's Storm Water Management Model to inform design and FEMA's Benefit Cost Analysis.

HAGAN-LAFITTE DRAINAGE UPGRADES AND GREEN INFRASTRUCTURE – New Orleans, LA (2015-2017)

Mr. Galloway oversaw the design of street corner rain gardens and pervious sidewalks, including streetscaping details, cross-sections, and planting plans. He also assisted with modeling the existing and proposed drainage network using EPA's Storm Water Management Model to inform design and FEMA's Benefit Cost Analysis.

LAKEVIEW DRAINAGE UPGRADES AND GREEN INFRASTRUCTURE – New Orleans, LA (2015-2017)

Mr. Galloway oversaw the hydrologic and hydraulic modeling and design of upgraded urban storm sewer in the Lakeview neighborhood of New Orleans. He and his team modeled the existing and proposed drainage network using EPA's Storm Water Management Model to inform design and FEMA's Benefit Cost Analysis. He also coordinated for survey, oversaw the production of construction documents for the drainage improvements, and advised the client on integration between "green infrastructure" storm water features.

EAST CARROLL PARISH DRAINAGE UPGRADES – Lake Providence, LA (2012-2017)

Mr. Galloway designed improvements to open channels and culverts benefitting 100+ acres in the Town of Lake Providence, including modeling the system in HEC-HMS and HEC-RAS. He also managed HMGP funding, coordinated with an adjacent CDBG-funded project, and assisted in the preparation of a benefit cost analysis.

DRAINAGE PUMP STATION #5 – New Orleans, LA (2010)

Mr. Galloway performed the civil site design and discharge pipe design for a 600 CFS expansion of Drainage Pump Station #5 in the Lower Ninth Ward of New Orleans. The work included siting the new building, designing the grading plan, analysis of the driveways using AutoTURN, integration of the discharge pipes with existing structures, development of system curves, and assisting with pump selection.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:				
Name & Title:				
Jacob Loeske, PE, LSI – Director of Transportation				
Project Assignment:				
QA / QC Manager				
Name of Firm with which associated:				
GIS Engineering, LLC				
Years' experience with this Firm:				
With this firm: <u>4</u> With other firms: <u>17</u>				
Education: Degree(s) / Year / Specialization:				
Bachelors of Science / 2002 / Environmental Engineering				
Active registration: Year first registered / discipline:				
Year first registered:	2007	Branch: Civil	LA License No.	PE 33285
	2008		Survey	LSI 548
Other experience and qualifications relevant to the proposed Project:				
<p>Mr. Loeske has developed, delivered, and managed complex roadway projects for LADOTD and several state and local agencies. He has earned a reputation for leading diverse project teams that deliver value to the client and meet proposed schedules while providing exceptional client service towards the common vision and goals. He has over 18 years of engineering design experience encompassing general civil and municipal engineering projects including roadway, intersection, and interchange design, drainage design, site design, lighting systems design, and levee construction. He is also experienced in managing and coordinating survey crews for various highway, drainage, and utility relocation projects.</p> <p>ASSUMPTION PARISH DRAINAGE & FLOOD MITIGATION MASTER PLAN – PHASE I – Assumption Parish, LA (2020-2023) Mr. Loeske managed the development of the overall Drainage and Flood Mitigation Master Plan for Assumption Parish. He oversaw the analysis of the existing hydrologic & hydraulic conditions, determining system deficiencies, improvement projects, and project cost estimates. The master plan projects ranged from local small scale projects to large watershed scale projects.</p> <p>UPPER TERREBONNE BASIN ENVIRONMENTAL ASSESSMENT – Upper Delta Soil & Water Conservation District, LA (2020-2021) Mr. Loeske oversaw the completion of a watershed plan and Environmental Assessment for the Upper Terrebonne Basin. The report examines different courses of actions for watershed management, makes recommendations, and satisfies NEPA requirements for environmental review.</p> <p>MONTZ PUMP STATIONS – St. Charles Parish, LA (2021-Ongoing) Mr. Loeske is the senior manager overseeing the design of two drainage pump stations that will reduce flood risk in the Montz area of St. Charles Parish. The pump stations will add a combined 607 CFS pumping capacity to the basin. Mr. Loeske provides high-level guidance and oversight to the project manager and coordinates with the Client.</p> <p>UPPER TERREBONNE BASIN WATERSHED PLAN EA - Upper Delta Soil & Water Conservation District, LA (2020-2023) Mr. Loeske serves as project manager delivering the watershed plan and Environmental Assessment for the Upper Terrebonne Basin. The report examines different courses of actions for watershed management, makes recommendations, and satisfies NEPA requirements for environmental review. This is the FIRST WATERSHED PLAN EA delivered to the Natural Resource Conservation Service (NRCS) in Louisiana.</p> <p>BAYOU CHINCHUBA WATERSHED STUDY AND DETENTION POND – Mandeville, LA (2018-2020) Mr. Loeske served as QA/QC manager responsible for review of the topographic drainage survey and construction drawings, client relations with local officials, and providing quality assurance of the drainage improvement recommendations and report. The study phase identified and prioritized conveyance improvements and evaluating the capacities of upstream flows through residential and commercial land uses. The design of a dry pond with a weir structure allowed for detention and staged flows improving drainage and water quality.</p>				

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:				
Name & Title:				
John Plaisance, PE, PLS – Director of Operations				
Project Assignment:				
Drainage Design				
Name of Firm with which associated:				
GIS Engineering, LLC				
Years' experience with this Firm:				
With this firm: <u>4</u> With other firms: <u>33</u>				
Education: Degree(s) / Year / Specialization:				
Masters of Science / 1985 / Civil Engineering Bachelors of Science / 1983 / Civil Engineering				
Active registration: Year first registered / discipline:				
Year first registered:	1988	Branch: Civil	LA License No.	PE 24038
	1992		Survey	PLS 4669
Other experience and qualifications relevant to the proposed Project:				
<p>Mr. Plaisance is the Director of Operations of GIS Engineering - Galliano and is in charge of all day to day operations of the branch. He is a Louisiana Registered Civil Engineer and a Licensed Land Surveyor. Mr. Plaisance has provided surveying and utility improvements such as water lines, booster stations, and sewer systems; drainage improvements such as pump stations, flood walls, and piping; roadway improvements, topographic surveys, and ROW mapping.</p> <p>GRAND ISLE STATE PARK MAIN WATER LINE REPLACEMENT– Grand Isle, LA (01/2017) Mr. Plaisance served as the Project Engineer on the replacement of the water lines throughout Grand Isle State Park in Jefferson Parish, LA. Mr. Plaisance was responsible for the design of all elements of this project including survey.</p> <p>MONTZ PUMP STATIONS –St. Charles Parish, LA (2021-Ongoing) Mr. Plaisance was the QA/QC lead for this project, providing technical reviews and guidance to the design team.</p> <p>BAYOU TERREBONNE DRAINAGE PROJECT – Terrebonne Parish, LA (2018-Ongoing) Mr. Plaisance was the QA/QC lead for this project, providing technical reviews and guidance to the design team.</p> <p>LATOUR SUBDIVISION, PHASE 1 – Matthews, LA (06/2009) Mr. Plaisance was the Survey Lead and Project Engineer for the development of a 48-lot subdivision (Phase 1 of over 500 lots) which included concrete streets, underground drainage, and utilities. Mr. Plaisance prepared all survey, plats and ROW mapping for the project.</p> <p>TRIPLE RIDGE SUBDIVISION – Cut Off, LA (07/2015) Mr. Plaisance was the Survey Lead and Project Engineer for the development of a 62 lot subdivision which included concrete streets, underground drainage, and utilities. Mr. Plaisance worked on all survey, plats and ROW mapping for the project.</p> <p>LAFOURCHE PARISH WATER DISTRICT NO. 1, MULTIPLE WATER LINES – Lafourche Parish, LA (Ongoing) Mr. Plaisance served as Survey Lead and Project Engineer for multiple water line projects in Lafourche Parish. He designed and prepared plans for multiple water line projects for the Lafourche Parish Water District No. 1. He has prepared construction plans for multiple large diameter transmission water lines as well as multiple distribution water lines. Mr. Plaisance was responsible for the design of all elements of this project including survey and ROW mapping.</p> <p>MARINER'S COVE – Maurepas, LA (06/2019) Mr. Plaisance was responsible for the preparation and review of ROW and final plats in accordance with Livingston Parish requirements for the residential development.</p>				

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:			
Name & Title:			
Agustin Rega, PE – Civil Engineer			
Project Assignment:			
Drainage Design			
Name of Firm with which associated:			
GIS Engineering, LLC			
Years' experience with this Firm:			
With this firm: <u>5</u> With other firms: <u>6</u>			
Education: Degree(s) / Year / Specialization:			
Masters of Science / 2018 / Civil Engineering Bachelors of Science / 2012 / Civil Engineering			
Active registration: Year first registered / discipline:			
Year first registered: <u>2017</u> Branch: <u>Civil</u> LA License No. <u>PE 42227</u>			
Other experience and qualifications relevant to the proposed Project:			
<p>Mr. Rega is a Civil Engineer with more eight years of experience specializing in Civil & Coastal Engineering. His project experience includes general civil infrastructure design and road design, drainage pump stations, sewer lift stations, and coastal protection and restoration projects.</p> <p>LANDRY'S HOLE AND CYPRESS LANE PUMP STATIONS – Grand Isle, LA (2020) Mr. Rega is the engineer of record for expansions to two existing pump stations in Grand Isle, LA. The project will add two 24" pumps with electric motors and diesel back-ups to each existing pump station. Mr. Rega performed the civil and hydraulic design, managed structural design, and completed and stamped plans and specifications.</p> <p>JONES POINT – LA 301 DRAINAGE IMPROVEMENTS – Lafitte Area Independent Levee District, LA (2020-Ongoing) Mr. Rega is performing the design of drainage improvements in the Jones Point area near the Town of Jean Lafitte. The project involves extensive coordination among several consultants working to deliver flood risk reduction from storm surges and rainfall. GIS completed the preliminary design of subsurface drainage improvements in November 2020 and is beginning work on final design.</p> <p>MONTZ PUMP STATIONS – St. Charles Parish, LA (2021-Ongoing) Mr. Rega is the technical lead for the design of two drainage pump stations that will reduce flood risk in the Montz area of St. Charles Parish. The pump stations will add a combined 607 CFS pumping capacity to the basin. Mr. Rega designed the pump station hydraulics, selected pumps and equipment, designed the civil details, and coordinated all other aspects of the design.</p> <p>BAYOU TERREBONNE DRAINAGE PROJECT – Terrebonne Parish, LA (2018-Ongoing) Mr. Rega is the engineer of record for the proposed 400 CFS pump station in this watershed management project. Terrebonne Parish intends to construct a pump station and water control structures to decrease flood surface elevations in Bayou Terrebonne. Mr. Rega performed the civil and hydraulic design of the proposed pump station, managed the structural design, and produced stamped plans and specifications. Mr. Rega is also providing technical oversight for the design of associated levees and control structures.</p> <p>WEST BATON ROUGE STUMPY BAYOU DRAINAGE CONVEYANCE – West Baton Rouge Parish, LA (2019) Mr. Rega was involved in the Hydrologic & Hydraulic (H&H) modeling of the West Baton Rouge Stumpy Bayou watershed and subsequent recommendation of improvements for flood risk reduction and mitigation.</p> <p>MOUNES STREET DRAINAGE IMPROVEMENTS – Jefferson Parish, LA (2017-2018) Mr. Rega was fully involved in the design of 4,800 feet of subsurface drainage lines under Mounes St. in Jefferson Parish. His design included the sizing of the box culverts, catch basin and manhole locations, box culvert foundation, existing utilities coordination and relocations, roadway restoration design, and roadway striping details.</p>			

TEC Professional Services Questionnaire

PETIT CAILLOU CONVEYANCE CHANNEL & PUMP STATION – Terrebonne Parish, LA (2017-2021)

Mr. Rega was involved with the design and bidding for a new 450 cfs drainage pump station. His responsibilities included the hydraulic calculations and design for the station.

ST. PETER'S DITCH PHASE 3C – Jefferson Parish, LA (2014-2017)

Mr. Rega assisted in the preliminary, design and final phases for this project. During design phase, she assisted with geotechnical data review, development of preliminary and final calculations for cost and bid purposes. During the construction phase, he performed several construction and admin duties.

ELISE AVENUE DRAINAGE PUMP STATION AND SUBSURFACE DRAINAGE IMPROVEMENTS – Jefferson Parish, LA (2015-2017)

Mr. Rega was fully involved in the design of a new 140 cfs drainage pump station and the design of approximately 2000 feet of subsurface drainage lines on Elise Ave. His responsibilities included hydrologic & hydraulic modeling, subsurface drain line sizing and detailing, roadway restoration, sump design, and structural design support. Mr. Rega managed the project during construction and provided engineering support until completion.

CLEARVIEW DRAINAGE PUMP STATION - ST. PETER'S DITCH PHASE 4 – Jefferson Parish, LA (2016-2018)

Mr. Rega was actively involved in the design of the 240 cfs drainage pump station. His responsibilities included the design of gravity drainage lines, station sump, discharge line, and roadway drainage and restoration. He managed the project during construction and provided engineering support until completion.

ELLIOT JONES PUMP STATION – Terrebonne Parish, LA (2020-2023)

Mr. Rega was actively involved in the study & report phase of the project making recommendations on the proposed pump station location and drainage features. He performed preliminary hydraulic calculations in preparation for the preliminary and final design. He will be providing design support during the design and construction phases of this project.

CELL 1 & HEAD WORKS UPGRADES TO SOUTH WASTE WATER TREATMENT PLANT – Terrebonne Parish, LA (2018 - 2020)

Mr. Rega was actively involved in the design of the waste treatment plant upgrades for the South Wastewater treatment plant, Cell 1. He was responsible for the design of the headworks structure modifications and hydraulic calculations. Mr. Rega will be providing engineering support during the construction phase of this project.

GOOSE BAYOU BASIN DRAINAGE PUMP STATION NO. 2 – Jefferson Parish, LA (2017-2018)

Mr. Rega was fully involved in the design of the 70 cfs drainage pump station for the Goose Bayou basin. He performed a hydraulic and hydrologic study and selected the station location and capacity. During the design phase, his responsibilities included the sump design, access road design, civil infrastructure upgrades, and discharge line design. Mr. Rega managed the design phase coordinating with the electrical and structural sub-contractors.

DAVID DRIVE & YORK STREET SEWER LIFT STATION – Jefferson Parish, LA (2017-2018)

Mr. Rega was fully involved in the design of a new 1,800 gpm capacity sewer lift station. He performed a study and report to determine the lift station location and required capacity. His involvement included performing all hydraulic calculations, deep foundation design, Department of Health permit application, and continued coordination with the electrical engineer.

ASSUMPTION PARISH DRAINAGE & FLOOD MITIGATION MASTER PLAN – PHASE I – Assumption Parish, LA (2020)

Mr. Rega was highly involved in the development of the overall Drainage and Flood Mitigation Master Plan for Assumption Parish. His responsibilities included an overall analysis of the existing hydrologic & hydraulic conditions, determining system deficiencies, improvement projects, and project cost estimates. The master plan projects ranged from local small scale projects to large watershed scale projects.

UPPER TERREBONNE BASIN ENVIRONMENTAL ASSESSMENT – Upper Delta Soil & Water Conservation District, LA (2020)

Mr. Rega was involved with the hydrologic and hydraulic model developed for the project. His responsibilities included model calibration checks and improvements.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:				
Name & Title:				
Christopher Jeanice, PE – Civil Engineer				
Project Assignment:				
Drainage Design				
Name of Firm with which associated:				
GIS Engineering, LLC				
Years' experience with this Firm:				
With this firm: <u>7</u> With other firms: <u>6</u>				
Education: Degree(s) / Year / Specialization:				
Masters of Science / 2016 / Civil Engineering Bachelors of Science / 2010 / Civil Engineering				
Active registration: Year first registered / discipline:				
Year first registered: <u>2015</u> Branch: <u>Civil</u> LA License No. <u>PE 39647</u>				
Other experience and qualifications relevant to the proposed Project:				
<p>Mr. Jeanice is a professional engineer registered in Louisiana, with 10 years of engineering experience in civil and flood protection projects, which includes project management, construction administration, engineering and design, design reports, and developing operation and maintenance plans. The majority of this experience has come from working with Terrebonne Parish Consolidated Government and Terrebonne Levee & Conservation District on flood protection projects. He obtained his Professional Engineering License in January 2015.</p> <p>HANSON CANAL PUMP STATION - Gibson, LA (2018-2022) Mr. Jeanice performed project management duties consisting of developing original construction estimate and engineering fee proposal, coordinating project design components, leading project team meetings, managing project budget, coordinating with client, coordinating with engineering subs, project scheduling, and overseeing construction for 1000 cfs pump station and conveyance channel.</p> <p>PETIT CAILLOU PUMP STATION – Terrebonne Parish, LA (2018-2021) Mr. Jeanice performed project management duties consisting of developing original construction estimate and engineering fee proposal, coordinating project design components, leading project team meetings, managing project budget, coordinating with client, coordinating with engineering subs, and project scheduling for the design of the pump station and conveyance channel.</p> <p>ELLIOT JONES PUMP STATION - Gibson, LA (2018-2023) Mr. Jeanice performed project management duties consisting of developing original construction estimate and engineering fee proposal, coordinating project design components, leading project team meetings, managing project budget, coordinating with client, coordinating with engineering subs, and project scheduling for 1000 cfs pump station and conveyance channel. He is currently overseeing construction.</p> <p>UPPER REACH F LEVEE ALIGNMENT PROJECT – Terrebonne Parish, LA (2014-2015) Mr. Jeanice performed construction and project management duties for the Upper Reach F levee alignment project consisting of review of pay applications, submittals and RFI's, conduct progress meeting between contractor and owner, perform site visits, review and monitor all required field testing, and manage project budget.</p> <p>WARD 7 LEVEE IMPROVEMENT PROJECT – Chauvin, LA (2011-2016) Mr. Jeanice assisted in the design, design reports and project specifications for Ward 7 Levee projects. During the construction phase, he is performing construction and project management duties.</p> <p>EAST HOUMA SURGE LEVEE – Houma, LA (2011-2013) Mr. Jeanice assisted in project management, project inspection, and various calculations during project for East Houma Surge Levee (Future Thompson Road Extension) project. He also performed construction management duties such as review pay applications, submittals, RFI's, and coordinate with contractor on various items during construction.</p>				

TEC Professional Services Questionnaire


KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:			
Name & Title:			
Grace Foussell, PE - Civil Engineer			
Project Assignment:			
Drainage Design			
Name of Firm with which associated:			
GIS Engineering, LLC			
Years' experience with this Firm:			
With this firm: <u>3</u> With other firms: <u>5</u>			
Education: Degree(s) / Year / Specialization:			
Bachelors of Science / 2014 / Civil Engineering			
Active registration: Year first registered / discipline:			
Year first registered: <u>2021</u> Branch: <u>Civil</u> LA License No. <u>PE 45893</u>			
Other experience and qualifications relevant to the proposed Project:			
<p>Mrs. Foussell has eight years of experience in civil/structural engineering and design. She is primarily responsible for providing advanced technical support in the design of assigned engineering projects, project plans, specifications and estimates. She has provided support by calculating, analyzing, organizing, and coordinating to complete the engineering design effort.</p> <p>BAYOU LACARPE PUMP STATION – Houma, LA (2021-Present)</p> <p>Mrs. Foussell prepared structural design calculations, reports, specifications and a cost estimate for the proposed Bayou LaCarpe Pump Station. This project features a subsurface drainage system that will divert water from Bayou LaCarpe to a 200 cfs pump station that will discharge into Little Bayou Black. The proposed pump station will alleviate flooding that occurs along Bayou LaCarpe, which currently acts as a drainage canal, during heavy rain events.</p> <p>BAYOU TERREBONNE LOCK & PUMP STATION COMPLEX - Montegut, LA (2020-Present)</p> <p>Mrs. Foussell is the lead structural engineer on this project on the 600 cfs pump station located at the Bayou Terrebonne Lock in Montegut, LA. The proposed pump station will allow Terrebonne Parish to control the water levels in Bayou Terrebonne when the flood gate is closed. The flood gate functions as a closure structure for the Morganza to the Gulf Levee Alignment and is closed during intensified storm events.</p> <p>MINORS CANAL MITER FLOODGATE, FLOODWALL, & LEVEE TIE-INS – Bayou Black, LA (2020-2023)</p> <p>Mrs. Foussell prepared structural design calculations, reports and a cost estimate for the proposed Minors Canal Miter Gate. This project is part of the Morganza to the Gulf Levee System. The proposed flood gate, a 56' wide miter gate and concrete monolith with braced floodwalls, fenders, generator building, control house, and required levee tie-ins as well as access road, will provide flood risk management and hurricane and storm damage risk reduction to residents and prevent salt water contamination of a Terrebonne Parish reservoir.</p> <p>HOUMA NAVIGATION CANAL LOCK PROJECT – Dulac, LA (2020-Present)</p> <p>Mrs. Foussell was responsible for providing structural design calculations, analyses and reports for the Maintenance/Dewatering Bulkheads, Guide Walls, Nose Piers, Impact Barriers, Control Building, Access Bridge and HPU Building for this project. The HNC Lock Complex will incorporate a lock system into an existing flood control structure.</p> <p>DUNN ST. 12" TRANSMISSION LINE – Houma, LA (2023-Present)</p> <p>Mrs. Foussell prepared the project layout, design report, cost estimate, and plans and specifications in accordance with LDH and Terrebonne Parish Consolidated Waterworks District No. 1 (TPCW) requirements. She also provided construction administration and was the project manager for this project. The main objective of this project was to provide a direct supply of water to Terrebonne General Medical Center (TGMC), if required, to avoid shut downs as experienced during Hurricane Ida due to inadequate water supply. This project also included three additional tie-ins, located at existing water transmission lines crossing the Gulf Intracoastal Waterway (GIWW), to provide water to East Houma. Automatic pressure-controlled valves were provided at all tie-in locations to shut-off water supplied to East Houma in the event TGMC experiences a pressure drop, at which all water will be directed to TGMC.</p>			

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Kevan Keiser, PE – Civil Engineer
Project Assignment:
Drainage Design
Name of Firm with which associated:
GIS Engineering, LLC
Years' experience with this Firm:
With this firm: <u>3</u> With other firms: <u>13</u>
Education: Degree(s) / Year / Specialization:
Bachelors of Science / 2008 / Civil Engineering
Active registration: Year first registered / discipline:
Year first registered: <u>2012</u> Branch: <u>Civil</u> LA License No. <u>PE 37243</u>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Keiser is a registered Professional Engineer with nearly 13 years of experience in the Engineering and Construction Management field. He has significant experience in working on flood control, levee, and freshwater introduction projects in Terrebonne and Lafourche Parish. He has significant experience in working in airport related projects in Terrebonne and Lafourche Parish. He has experience in roadwork projects in Terrebonne, St. Mary, and St. James Parish as well as in the Town of Grand Isle. Mr. Keiser also has some experience in utility relocation projects in Terrebonne and Lafourche Parish. He has managed projects and prepared plans and specifications for many public works projects that include topographic surveys, feasibility studies, design, planning, scheduling, report preparation, and supervision of personnel.</p> <p>BAYOU TERREBONNE DRAINAGE PROJECT – Terrebonne Parish, LA (2018-Ongoing) Terrebonne Parish intends to construct a pump station and water control structures to decrease flood surface elevations in Bayou Terrebonne. Mr. Keiser is managing the design of proposed levees and control structures as part of this watershed management project.</p> <p>BAYOU TERREBONNE DREDGING PROJECT – Terrebonne Parish, LA (2020-Ongoing) Mr. Keiser is managing the design of proposed dredging and weir modifications in Bayou Terrebonne. He is currently coordinating surveying and modeling efforts to determine the proposed dredge cross-sections and any required modifications to existing weirs. The project involves intense study of existing conditions and stakeholder coordination due to several bridge and utility crossings and narrow rights of way.</p> <p>FALGOUT CANAL FRESHWATER ENHANCEMENT – Terrebonne Parish, LA (2010 - 2012) The purpose of this job was to reestablish flow of freshwater from HNC in the adjacent westerly marshes in order to reduce salinity. This was accomplished by the spray dredging of bayous/canals and reconstruction/rehab of 6 timber water control structures. Mr. Keiser served as the Design Engineer for this job and was responsible for designing the dredging and reconfiguration of control structures</p> <p>BONANZA PUMP STATION REHABILITATION – Terrebonne Parish, LA (2017 – 2018) Using the Hazard Mitigation Grant Program (HMGP) funding, Mr. Keiser prepared hydraulic models and inundation maps to predict future damages in order to prove the necessity for the improvements to Bonanza Pump Station. The design features included removal of failing timber bulkheads, design of steel bulkhead with batter piles, check valves, levee rehab, fence construction, site grading and drainage, asphalt road patching. Mr. Keiser worked as the Project Manager/Engineer of Record/Design Engineer responsible for project design, execution, and construction management.</p> <p>EASTSIDE DRAINAGE IMPROVEMENTS PROJECT – Lafourche Parish, LA (2019 – 2020) Cut Off, LA is experiencing flooding inside of the forced drainage system along the 20 Arpent Canal. This project involved designing the excavation of the 20 Arpent Canal, 3 lateral ditches, removal/replacement of bridges with culverts and in phase 2, an additional pump station. Mr. Keiser provided QA/QC of design documents and project management oversight.</p>

TEC Professional Services Questionnaire


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

PROJECT NO. 1		
Project Name, Location and Owner's contact information: BAYOU PETIT CAILLOU PUMP STATION <u>OWNER</u> Terrebonne Parish Consolidated Government Michael Toups 985-873-6735 mctoups@tpcg.org	Nature of Firm's Responsibility: Project Summary: Terrebonne Parish Consolidated Government (TPCG) constructed a new pump station to the Petit Caillou Basin that will pump into Lake Boudreaux to reduce flooding. Levees and floodgates protect Petit Caillou Basin from flooding during storm surge events, but they do not allow runoff to escape the system, resulting in flooding from rainfall events. The pump station helps maintain safe water surface elevations in the basin when floodgates are closed. TPCG also installed a feeder/conveyance channel along with reinforced concrete box culverts under La. Hwy 56. This channel conveys water to the pump station in the ROW of the Ward 7 Levee System. The pump station consists of four (4) 48" pumps and four (4) discharge pipes with a protective trash screen. GIS provided topographic and hydro-survey services required for the design of the proposed pump station. GIS also provided structure elevations surveys for representative areas within the Lower Little Caillou Watershed that contained approximately 1,500 structures as part of the H&H study required to complete the Justification Report to determine the number of structures that will be affected within the watershed (residential & commercial) (2, 5, 10, 25 and 100-year storm events) for a FEMA grant and approval. GIS completed the design, managed bidding and contracting, and managed construction on TPCG's behalf.	
		
Completion Date (Actual or Estimated) 2021	Estimated Cost:	
	Entire Project: \$1,376k (E)	Work for which Firm was Responsible: Design & Construction Mgmt

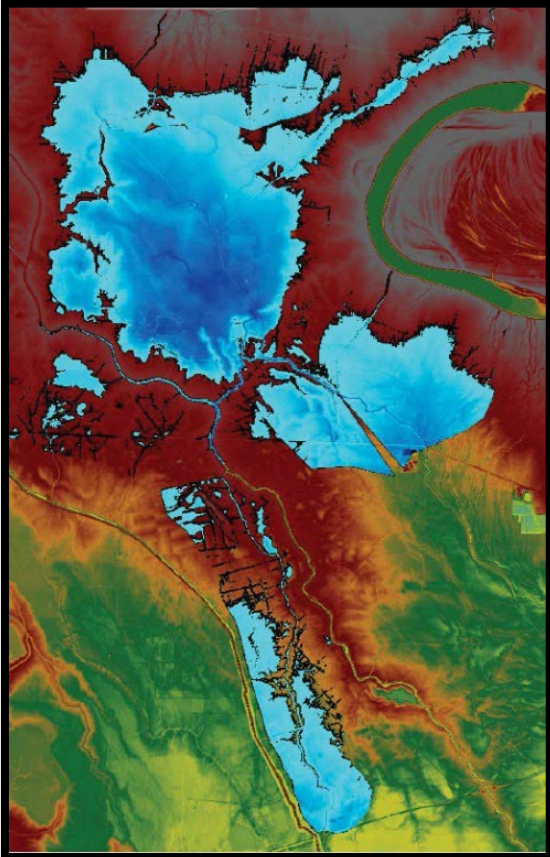
TEC Professional Services Questionnaire

PROJECT NO. 2		
Project Name, Location and Owner's contact information: HANSON CANAL PUMP STATION <u>OWNER</u> Terrebonne Parish Consolidated Government Gordon Dove 985-873-6735 gdove@tpcg.org	Nature of Firm's Responsibility: Project Summary: Terrebonne Parish Consolidated Government installed a pump station within the Chacahoula Basin. This is the first pump station that pumps from Chacahoula Basin past the Morganza to the Gulf flood protection structures. This will allow for runoff from concentrated rainfall events to be pumped out past the protection structures, to alleviate flooding that would otherwise occur with the floodgates being closed during those storms, high water events and high salinities in the GIWW. Also, when the gates are closed, the pumps can be used to drawdown the bayou and provide some additional storage for runoff. The project includes improvements to an existing canal as a feeder/conveyance channel to convey water to the pump station. The pump station consists of four (4) pumps and four (4) 60" discharge pipes with a protective trash screen. GIS Engineering performed the planning, surveying, engineering, environmental compliance (permitting), and managed construction on TPCG's behalf.	
		
	<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> Completion Date (Actual or Estimated) 2022 </div> <div style="width: 60%;"> Estimated Cost: </div> </div>	
	Entire Project: \$1,680k (A)	Work for which Firm was Responsible: Design & Construction Mgmt

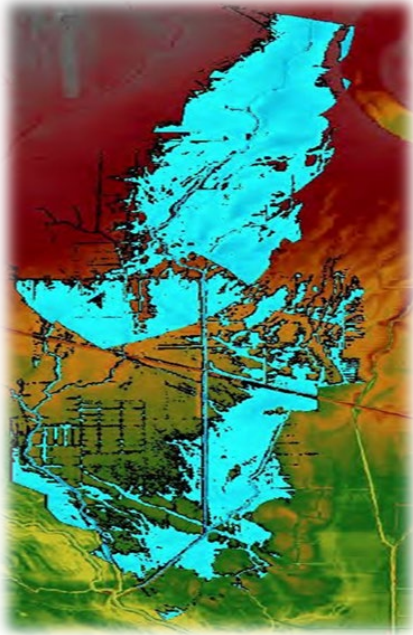
TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
BAYOU CANE PUMP STATION <u>OWNER</u> Terrebonne Parish Consolidated Government Michael Toups 985-873-6735 mctoups@tpcg.org	Project Summary: Terrebonne Parish Consolidated Government intends to install a pump station within the 1-1A forced drainage area in western Houma. The pump station will improve drainage conditions in 1-1A and in Bayou Terrebonne by supplementing Bonanza Pump Station, which pumps into Bayou Terrebonne. GIS Engineering performed an exhaustive analysis of Bayou Terrebonne's watershed between its headwaters at Thibodaux and its intersection with the GIWW. The extensive field investigation informed a detailed hydrologic and hydraulic model to define existing conditions and examine potential improvements. GIS Engineering evaluated multiple alternatives and determined that a pump station in Bayou Cane, coupled with new levees and a control structures, would be the most effective strategy. GIS completed final design of the proposed 400 CFS pump station in 2020 and is currently designing the proposed levees and control structures required to effectively manage excess runoff. GIS is also completing the required permit applications.	
		
Completion Date (Actual or Estimated)	Estimated Cost:	
ONGOING	Entire Project: \$1,226k (E)	Work for which Firm was Responsible: Design

TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information: UPPER DELTA WATERSHED FEASIBILITY PLAN & EA <u>OWNER</u> Upper Delta Soil & Conservation District Andrew Price Gay, Jr. 225-638-7746 gdove@tpcg.org	Nature of Firm's Responsibility: Project Summary: GIS prepared a Watershed Plan/Environmental Assessment that documents the need, feasibility and courses of action for implementation of a project to prevent damage from floodwater, erosion and sediment, to further the conservation, utilization, development and disposal of water, for conservation and proper utilization of land, and to address and identify natural resource concerns and opportunities within the study area which include the following upper Terrebonne Basin HUC 12's: Planning-level preliminary engineering designs were also developed to accurately define and evaluate alternatives proposed in the Plan/EA for technical feasibility. The plan/EA is intended to address the inadequate drainage for central/lower Pointe Coupee Parish and to flooding of homes, businesses, the rural highway system and farmland with no lateral drainage options, and to improve surface water quality in the project area.	
		
Completion Date (Actual or Estimated)	Estimated Cost:	
ONGOING	Entire Project: \$190k (Eng.)	Work for which Firm was Responsible: Design & Construction Mgmt

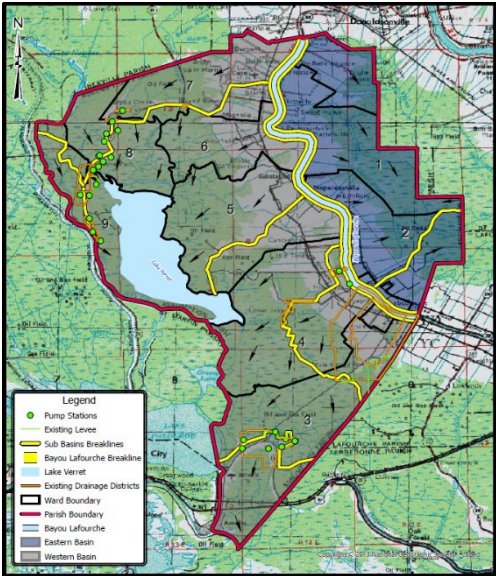
TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information: WEST BATON ROUGE STUMPY BAYOU DRAINAGE CONVEYANCE OWNER West Baton Rouge Parish Government Kevin Durbin 225-336-2434 Kevin.durbin@wbrcouncil.org	Nature of Firm's Responsibility: Project Summary: GIS provided drone video inspection, traditional survey, channel surveys, H&H modeling, and engineering and design of approximately 13 miles of existing bayous and drainage laterals in the northern portion of West Baton Rouge Parish to find existing obstruction and deficiencies within the watershed in compliance with HMGP program requirements. The Bayou Stumpy watershed has been the site of individual repetitive losses in West Baton Rouge Parish. GIS completed a detailed benefit to cost analysis as required by FEMA and GOHSEP, followed by completion of stamped plans and specifications in Dec 2020. <ul style="list-style-type: none"> ○ Topographical, hydrographic and boundary surveying ○ Hydrologic and hydraulic studies, reports and calculations ○ Engineering construction plans for identified areas of improvement ○ Obtaining all necessary federal, state and local permits and/or letters of no objection ○ Preparation of a Phase II (construction phase) benefit cost analysis ○ Phase II (construction) proposed Scope of Work (SOW) & budget estimate ○ Coordination of right-of-way and/or servitude identification for necessary <p>GIS continues to assist the Parish in securing FEMA construction funds.</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or Estimated)	Estimated Cost:	
ONGOING	Entire Project: \$190k (Eng.)	Work for which Firm was Responsible: Design & Construction Mgmt

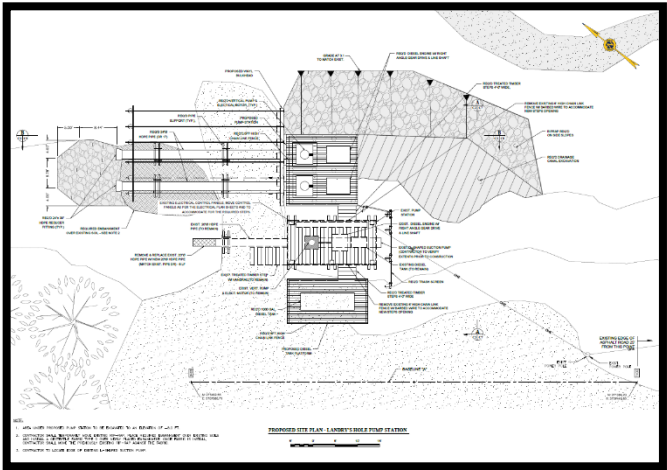
TEC Professional Services Questionnaire

PROJECT NO. 6						
Project Name, Location and Owner's contact information: ELLIOT JONES CANAL DRAINAGE CONVEYANCE & PUMP STATION <u>OWNER</u> Terrebonne Parish Consolidated Government Michael Touns 985-873-6735 mctouns@tpcg.org	Nature of Firm's Responsibility: Project Summary: Terrebonne Parish Consolidated Government is currently constructing a 1,000 cfs pump station on the Elliot Jones Canal, the second of three in Bayou Black to drain the Chacahoula-Gibson Basin. This pump station will allow runoff from concentrated rainfall events to be pumped out past the protection structures and will alleviate backwater flooding that would otherwise occur when the local floodgates are closed during severe weather events and high salinities in the GIWW. Furthermore, the pump station could be used to drawdown Bayou Black to provide additional storage capacity prior to intense and heavy rainfall. Key project features of this pump station include (4) 60-in. vertical axial flow pumps with 900 HP motors, concrete pump decking supported by precast/prestressed concrete piles, steel trash screen, braced sheet pile floodwall, tie-in levees, limestone access road, rip rap installation, site electrical & lighting, climate controlled electrical building, conveyance channel dredging, pipeline matting, pile supported concrete generator pad, and (2) 1,750 kW backup diesel generators. GIS Engineering led all planning, engineering, environmental compliance (permitting), engineering surveys, and coordinated geotechnical engineering & investigation activities. In addition, GIS also managed bidding and negotiations with interested contractors, and is currently providing construction management services. GIS' construction management services include construction administration and on-site representation to observe and report daily construction activities.					
						
Completion Date (Actual or Estimated) <div style="text-align: center;">2023</div>	Estimated Cost: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 50%; text-align: center; padding: 5px;">Entire Project:</td> <td style="width: 50%; text-align: center; padding: 5px;">Work for which Firm was Responsible:</td> </tr> <tr> <td style="text-align: center; padding: 5px;">\$1,444k (Eng.)</td> <td style="text-align: center; padding: 5px;">Design & Construction Mgmt</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	\$1,444k (Eng.)	Design & Construction Mgmt
Entire Project:	Work for which Firm was Responsible:					
\$1,444k (Eng.)	Design & Construction Mgmt					


TEC Professional Services Questionnaire

PROJECT NO. 7						
<p>Project Name, Location and Owner's contact information:</p> <p>ASSUMPTION PARISH DRAINAGE & FLOOD MITIGATION</p> <p><u>OWNER</u> Assumption Parish Police Jury Jeffery Naquin 985-526-8139</p>	<p>Nature of Firm's Responsibility:</p> <p>Project Summary: GIS Engineering, LLC (GIS) was contracted by the Assumption Parish Police Jury (APPJ) to prepare a preliminary Drainage & Flood Mitigation Master Plan (DFMMP) with the purpose of building a flood risk reduction plan to protect the local communities through a variety of drainage improvement projects. Funding for these projects will look at utilizing current and future parish funds to leverage any outside funding sources available, through State and Federal level grant programs, non-profit and/or private entities.</p> <p>The preliminary DFMMP built a flood risk reduction plan to protect the local communities, through a combination of levees, pump stations, and other drainage and flood mitigation improvement projects. The first phase of the work included a review of existing project & plans, development of drainage basins and study areas, defining Parish wide drainage goals and possible funding sources, and to develop a list of preliminary projects to be included in the Drainage & Flood Mitigation Master Plan.</p> <p>Since the projects presented in this "Phase I" report are preliminary and based on thorough desktop analyses, the projects will be supplemented by deeper engineering analyses and modeling in the second phase of this DFMMP. GIS is currently evaluating the feasibility of the proposed possible projects, cost-benefit ratios, and developing more accurate construction cost estimate</p>					
						
<p>Completion Date (Actual or Estimated)</p> <p style="text-align: center;">2023</p>	<p>Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">Entire Project:</td> <td style="width: 50%; padding: 5px;">Work for which Firm was Responsible:</td> </tr> <tr> <td style="text-align: center; padding: 5px;">\$360k (Eng.)</td> <td style="text-align: center; padding: 5px;">Planning and Project Management</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	\$360k (Eng.)	Planning and Project Management
Entire Project:	Work for which Firm was Responsible:					
\$360k (Eng.)	Planning and Project Management					


TEC Professional Services Questionnaire

PROJECT NO. 8		
Project Name, Location and Owner's contact information: LANDRY'S HOLE AND CYPRESS LANE PUMP STATION EXPANSIONS <u>OWNER</u> Town of Grand Isle David Camardelle, Mayor 985-787-3196	Nature of Firm's Responsibility: Project Summary: GIS Engineering, LLC (GIS) was contracted by the Town of Grand Isle (TOGI) to plan and design a new pump station on the north side of the island. GIS's survey and analysis revealed that the proposed pump station would require significant modifications to surrounding ditches and culverts to be effective. GIS recommended expansions to the existing pump stations at Landry's Hole and Cypress Lane to better serve the targeted drainage area. The proposed expansions included two new 24" pumps with electric motors at each station, with diesel tanks, engines, and right-angle drives as backup. GIS performed the civil, hydraulic, and structural design of each expansion and provided stamped plans and specifications in Feb 2020.	
		
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Design Completed Feb. 2020 (A) Construction Pending	\$250k (Eng.)	Design & Construction Mgmt

TEC Professional Services Questionnaire

PROJECT NO. 9											
Project Name, Location and Owner's contact information: MONTZ PUMP STATIONS <u>OWNER</u> St. Charles Parish Miles Bingham, PE, Director of Public Works 985-331-2624	Nature of Firm's Responsibility: Project Summary: GIS Engineering, LLC (GIS) is designing two pump stations to be constructed in the Montz area of St. Charles Parish. The pump stations will add a total of 607 CFS of pumping capacity for this area that will be impounded by the West Shore Lake Pontchartrain Levee project. The pump stations will discharge over the Bonnet Carré Spillway Upper Guide Levee. GIS is completing the design, preparing permit applications, performing topographic and boundary surveys, and coordinating with the US Army Corps of Engineers and adjacent landowners and railroads to prepare the project for construction.										
<div style="text-align: center; padding: 10px;">  </div>											
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 35%; text-align: center; padding: 5px;">Completion Date (Actual or Estimated)</th> <th colspan="2" style="text-align: center; padding: 5px;">Estimated Cost:</th> </tr> <tr> <td style="text-align: center; padding: 5px;">ONGOING</td> <td style="width: 30%; text-align: center; padding: 5px;">Entire Project:</td> <td style="text-align: center; padding: 5px;">Work for which Firm was Responsible:</td> </tr> <tr> <td style="text-align: center; padding: 5px;">ONGOING</td> <td style="text-align: center; padding: 5px;">\$1.6m (E)</td> <td style="text-align: center; padding: 5px;">Design, Permitting, Surveying, & Construction Mgmt</td> </tr> </table>		Completion Date (Actual or Estimated)	Estimated Cost:		ONGOING	Entire Project:	Work for which Firm was Responsible:	ONGOING	\$1.6m (E)	Design, Permitting, Surveying, & Construction Mgmt
	Completion Date (Actual or Estimated)	Estimated Cost:									
ONGOING	Entire Project:	Work for which Firm was Responsible:									
ONGOING	\$1.6m (E)	Design, Permitting, Surveying, & Construction Mgmt									

TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information: BUTCH HILL PUMP STATION <u>OWNER</u> Lafourche Parish Government Archie Chaisson, III, Parish President 985-446-8427	Nature of Firm's Responsibility: Project Summary: Lafourche Parish Government will replace the existing Butch Hill Pump Station and adjacent Twin Oaks Pump Station with a larger 1,200 cfs capacity drainage pump station. The new Butch Hill pump station will house a total of eight (8) vertical line shaft pumps which will be driven by both diesel engines and electric motors. Two diesel generators will be installed as a backup to the electric motors in case of a power outage. The drives for the pumps will be located inside a two-story building to provide weather protection to the equipment and personnel while doing routine maintenance. GIS Engineering was hired to lead the planning, engineering and environmental compliance (permitting), conduct Topographic surveys, and coordinate geotechnical investigation activities. GIS will also provide construction management services inclusive of construction administration and construction inspection.	
Completion Date (Actual or Estimated)		
	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
ONGOING	\$1.6m (E)	Design, Permitting, Surveying, & Construction Mgmt

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		
2.		
3.		
4.		
5.		
6.		

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

INTRODUCTION

GIS Engineering, LLC, a wholly owned subsidiary of Grand Isle Shipyard, Inc., is comprised of two main divisions, Coastal Design & Infrastructure Division and the Industrial Division, with branch offices in New Orleans, Houma, Galliano, Baton Rouge, New Roads, Napoleonville and Lafayette. GIS strives to be "The Professional Service Provider of Choice." We make it our mission to "deliver superior services that exceed clients' and communities' expectations through responsive and empowered employees." GIS is committed to providing superior services to the Parish. Our team members have spent their entire careers working in the coastal marshes of Louisiana, in and around Jefferson Parish. GIS has a regionally-recognized reputation for integrity and engineering expertise. Our firm maintains over a 90-percent level of repeat business due to our adherence to our core mission – To deliver superior services that exceed clients' and communities' expectations through responsive and empowered employees. We seek to provide maximum value to our customers through a partnership-minded approach that tailors our services to fit each clients' unique business drivers and needs. Our diverse and experienced staff know how to be responsive on small, medium, or large-scale projects, tailoring appropriate-sized teams for each project.

CRITERION NO. 1: PROFESSIONAL TRAINING AND EXPERIENCE

Oneil Malbrough, Jr., REM, has over 40 years of experience in environmental planning, coastal design, and project management, and is a Registered Environmental Manager. Mr. Malbrough has served Jefferson Parish as a consultant for three decades, including the Parish's coastal master plans in 1992, 2002, 2012, and 2015, and myriad coastal protection and restoration projects under the CWPPRA program. His experience with Jefferson Parish and other local clients has given him the expertise, skill, and insight required to deliver effective construction documents.

Kyle Galloway, PE, has 11 years of experience delivering civil engineering designs and studies in south Louisiana and adding value for his clients. Mr. Galloway has performed drainage designs and watershed studies for local clients including the Town of Grand Isle, the City of New Orleans, the Sewerage and Water Board of New Orleans, and Terrebonne Parish. A 13-year veteran of the Louisiana Army National Guard, Mr. Galloway has supervised large, complex organizations and has overseen both routine and emergency operations, including response to the Deepwater Horizon Oil Spill in Grand Isle, LA. He has developed the knowledge and experience necessary for the successful planning and completion of engineering projects.

GIS's staff includes 15 Professional Engineers in the Civil discipline that are ready to contribute to this project, including several with past experience delivering projects in Jefferson Parish. Our training and past experience providing planning, studies, design, permitting, and construction management for public clients has readied us to deliver value for Jefferson Parish.

CRITERION NO. 2: SIZE OF FIRM

As noted above, GIS Engineering is one of the largest engineering firms in the State, with 174 employees. **All of our full-time staff live and work in South Louisiana.** We have the technical staff required for this contract, including 20 Professional Engineers, 19 Engineer Interns, 14 design technicians, 11 construction inspectors, and all of the support staff required.

CRITERION NO 3: CAPACITY FOR TIMELY COMPLETION OF NEWLY ASSIGNED WORK

GIS prides itself on delivering projects on aggressive schedules. We challenge ourselves to beat timelines and budgets on every project. GIS Engineering has grown continuously since forming in 2016. Now with 174 employees, we have grown to one of the largest LOCAL engineering firms in the State. In recent months, the New Orleans and Baton Rouge offices have added additional staff while performing the same workload, anticipating future awards. This extra staff

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provides ample capacity to complete this work. We are committed to continue growing our staff to continue delivering timely products to our clients.

CRITERION NO. 4: PAST PERFORMANCE ON PARISH CONTRACTS

Oneil Malbrough has a demonstrated a record of success over his three decades of consulting for Jefferson Parish. Projects he has delivered include:

- Jefferson Parish Comprehensive Coastal Plan – 1992, 2002, 2015
- Northeast Turtle Bay Marsh Creation and Critical Shoreline Protection
- Barataria Bay Waterway West Side Shoreline Protection
- Barataria Bay Waterway East Side Shoreline Protection
- South Shore of the Pen Shoreline Protection and Marsh Creation
- Barataria Basin Landbridge Shoreline Protection – Phases 1-4

All of our key staff have a record of successful delivery of coastal projects for local clients throughout southeast Louisiana, as shown on their resumes in this proposal. Other projects our staff have delivered in Jefferson Parish include:

David Drive & York Street Sewer Lift Station D6-9	Gardere Canal & 41st Street Sewer Lift Station N-12-1
Bayside Segmented Breakwaters , Grand Isle, LA	Grand Isle & Vicinity West End Beach Nourishment Project BA-0210 , Grand Isle, LA
Breakwater Protection Project (Cheniere-Caminada to Bayou Thunder) , Grand Isle, LA	Emergency Sand Dune Repair , Grand Isle, LA
Deepwater Horizon Oil Spill Rock/Barge Plan , Grand Isle, LA	Emergency Rehabilitation of Beach Levee (Grand Isle and Vicinity Project STA 23+50 to 29+00) , Grand Isle, LA
Landry's Hole and Cypress Lane Pump Stations , Grand Isle, LA	Jones Point – LA 301 Drainage Improvements , Lafitte Area Independent Levee District
Grand Isle State Park – Improvements to Fishing Pier , CPRA	Town of Grand Isle Drainage and Pumping Station Requirements Study
Jefferson Parish Coastal Master Plan (1992, 2002, 2012)	Mounes Street Drainage Improvements
Elise Avenue Drainage Pump Station and Subsurface Drainage Improvements	St. Peter's Ditch Phase 3C
Goose Bayou Basin Drainage Pump Station No. 2	Clearview Drainage Pump Station – St. Peter's Ditch Phase 4
Routine Engineering, Surveying, and Maintenance Tasks for TOGI and GILD	

CRITERION NO. 5: LOCATION OF THE PRINCIPAL OFFICE

G GIS Engineering will execute task orders/assignments from our New Orleans office, located in the Central Business District in The Exchange building (formerly Chevron Place). Our offices in Baton Rouge, Houma, Napoleonville, and Galliano will support our New Orleans staff as needed. All 174 full-time GIS Engineering employees live and work in South Louisiana. Fifteen (15) of the twenty-five (25) GIS employees located in the New Orleans office RESIDE IN JEFFERSON PARISH.

CRITERION NO. 6: ADVERSARIAL LEGAL PROCEEDING BETWEEN THE PARISH AND FIRM

GIS has not been involved in any legal proceedings with Jefferson Parish.

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CRITERION NO. 7: PRIOR SUCCESSFUL COMPLETION OF SIMILAR PROJECTS

As illustrated in the resumes and project descriptions above, GIS has a successful track record of delivering construction bid packages for drainage projects of various sizes and managing construction on behalf of clients. GIS is the preferred designer for drainage pump stations in Terrebonne Parish. Two of these pump stations are nearing completion of construction and two more are ready for bid. Our staff also has significant experience with drainage projects in Jefferson Parish, both with GIS and with previous employers.

<i>GIS Staff Experience on Drainage Projects in Jefferson Parish</i>	
Landry's Hole and Cypress Lane Pump Stations, Grand Isle, LA	Jones Point – LA 301 Drainage Improvements, Lafitte Area Independent Levee District
Mounes Street Drainage Improvements	St. Peter's Ditch Phase 3C
Elise Avenue Drainage Pump Station and Subsurface Drainage Improvements	Clearview Drainage Pump Station – St. Peter's Ditch Phase 4
Goose Bayou Basin Drainage Pump Station No. 2	

References for these and other projects include:

- David Camardelle, Mayor, Town of Grand Isle: mayor.togi@viscom.net
- Marion Edwards, Councilman, District 1, Jefferson Parish: marionedwards@jeffparish.net
- Chett Chiasson, Executive Director, Port Fourchon: chettc@portfourchon.com

"Over the years in my previous government roles and continuing in my current role as Lafourche Parish President, I have engaged professional engineering services with GIS Engineering (GIS). Their firm has consistently demonstrated the ability to perform at a high level, fast tracking projects and exceeding our expectations on tasks assigned to them. GIS has the resources and technical capacity of some of the largest firms in the country, yet they still have that small-town passion and gift of service – putting their clients' needs 1st before their own.

Having a company like this close to home and staffed with hard working local employees is a great resource. Whenever the need arises, we will always consider working with GIS for professional services and technical assistance because they know how to deliver."

Archie Chaisson, III - Lafourche Parish President

MINIMUM REQUIRED QUALIFICATIONS

1. Principal who is a professional civil engineer –Dustin Malbrough, PE, is Vice President of GIS Engineering with legal authority to act on behalf of the company. He serves as GIS Engineering’s supervising professional.
2. Professional in charge of the project who is a professional civil engineer – Kyle Galloway, PE, will manage this contract out of GIS Engineering’s New Orleans office. Mr. Galloway has 12 years of experience in civil engineering design.
3. Professional engineer with the expertise required – Mr. Galloway’s background in drainage designs and studies equips him well to lead projects of this nature. John Plaisance, PE, PLS and Agustin Rega, PE, also have the requisite experience for success on these projects.

GIS ENGINEERING IS READY AND AVAILABLE TO PERFORM DRAINAGE DESIGNS FOR JEFFERSON PARISH!!

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

Signature: _____



Print Name: Ben Malbrough, PE

Title: Vice President

Date: 06/21/2024