



January 27, 2021

Drainage Department
Parish of Jefferson

**RE: ROUTINE ENGINEERING SERVICES FOR DRAINAGE PROJECTS
Resolution No. 136765**

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 100 employees within the State with extensive experience on drainage and watershed management 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, appearing to read 'Kyle J. Galloway', written over 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

CC: Oneil Malbrough, Jr., REM, Sr. Vice President - Principal – oneilm@gisy.com
Jacob Loeske, PE, Director of Transportation - jloeske@gisy.com
John Plaisance, PE, PLS, Director of Operations – Galliano – jplaisance@gisy.com

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Engineering Services for Drainage Projects in Jefferson Parish
SOQ No.: 20-21; Res. No. 136765

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:

Oneil Malbrough, REM, Sr. Vice President
Office: (985) 219-1000 Email: oneilm@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	10	Administrative	1	1	Estimators	2	2	Specification Writers
		Architects (Licensed)			Geologists	7	7	Structural Engineers
		Chemical Engineers			Geotechnical Engineers			Graduate Engineers
15	15	Civil Engineers			Interior Designers			Project Managers
11	11	Construction Inspectors			Landscape Architects			Clerical
		Ecologists			Land Surveyor	1	1	Grant/Funding Specialist
6	6	Electrical Engineers	6	6	Mechanical Engineers			Sanitary Engineers
6	6	Engineer Intern	1	1	Environmental Engineers			Designers
3	3	Professional Land Surveyors			TOTAL	103	103	

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

F. Is this submittal by a JOINT-VENTURE? Please check: YES ___ NO X

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 ___

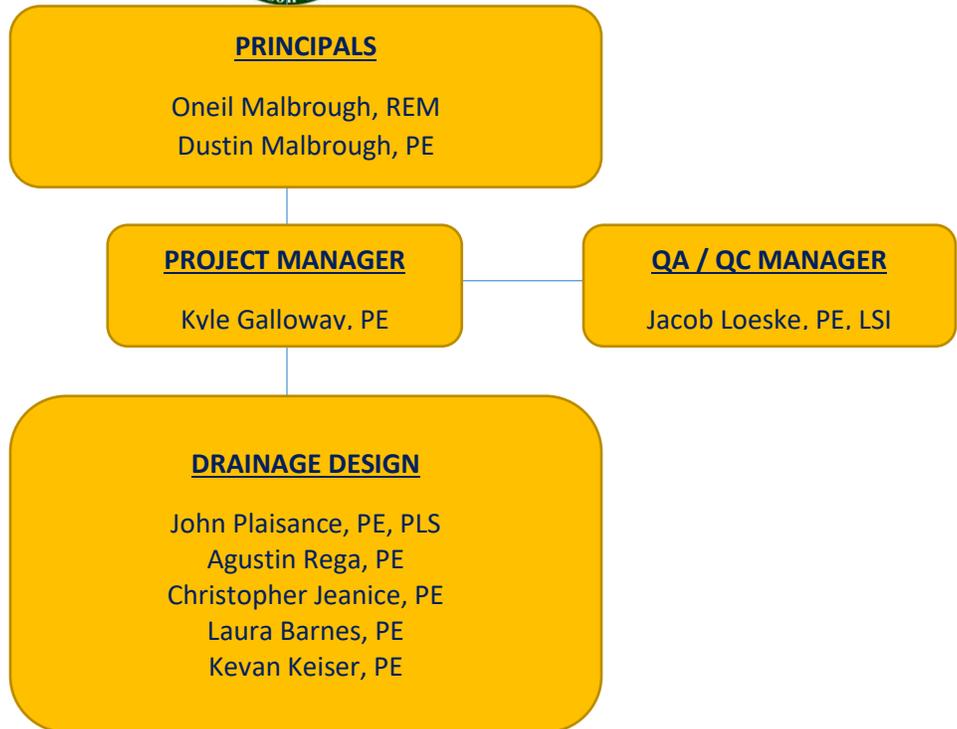
TEC Professional Services Questionnaire

- 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 103 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.



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>4</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>

PROFESSIONAL IN CHARGE OF PROJECT:
Name & Title:
Dustin 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>4</u> With other firms: <u>11</u>
Education: Degree(s) / Year / Specialization:
Bachelors of Science / 2007 / Civil Engineering
Active registration: Year first registered / discipline:
Year first registered: <u>2011</u> Branch: <u>Civil Engineer</u> LA License No. <u>36779</u>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Malbrough is a registered Professional Engineer with more than 15 years of design and construction management experience on large, complex infrastructure projects across South Louisiana. He has been directly responsible, as either a Principal, Project Manager, or Engineer of Record, for the design and construction of more than \$150 Million dollars' in infrastructure (Roads, Drainage and Flood protection) projects in Louisiana. His most professional experience came on IHNC Surge Barrier Project (New Orleans, LA), the 1.3-Billion-dollar Design-Build project constructed after Hurricane Katrina: the largest Civil Works (Design-Build) project ever awarded in the history of the U.S. Army Corps of Engineers.</p> <p>FALGOUT CANAL ROAD REHABILITATION – Theriot, LA (2017-2018) Client manager and overall QA/QC (principal-in-charge) for the project. In this role, he was responsible for all contractual obligations and coordination between GIS and the client - Terrebonne Parish Consolidated Government.</p> <p>UPPER BARATARIA RISK REDUCTION SYSTEM –Lafourche and St. Charles Parishes, LA (2018-Ongoing) Client manager and overall QA/QC (principal-in-charge) for the 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 preliminary design of a 270' wide barge gate and a \$3.5M levee lift.</p> <p>INNER HARBOR NAVIGATIONAL CANAL (IHNC) PROJECT - New Orleans, LA (2008-2011) Deputy Design and Construction Quality Control Engineer for this project. In this role, he was responsible for creating and implementing a comprehensive design and construction quality control system that provided the necessary review and checks to ensure compliance for the project. This included but was not limited to all quality control processes, procedures, management of all the daily reporting and payroll documentation as well as submittal reviews and approvals. The IHNC project consisted of constructing a concrete barrier wall, 2 miles long with a top of wall elevation of 26 feet, to help protect the City of New Orleans and its surrounding areas from flooding.</p> <p>UPPER REACH F LEVEE ALIGNMENT PROJECT – Terrebonne Parish, LA (2014-2015) Project Manager and Engineer of Record for the project. Malbrough successfully designed and managed the construction of nearly 3-miles of earthen embankment (levee) consisting of off-site excavation, material processing, testing, hauling and placing of 1.1 Million cubic yards of fill material. This fill material was placed directly adjacent to the Houma Navigation Canal just south of Falgout Canal road in open water/marsh conditions.</p> <p>LOWER REACH F LEVEE ALIGNMENT PROJECT – Terrebonne Parish, LA (2013-2014) Project Manager and Engineer of Record for the project. In this role, he was responsible for all planning, design, permitting, bidding, and construction management for the project. This project consisted of 1-mile of earthen embankment (levee) consisting of dredging, on-site material processing, testing and placement of nearly 500,000 cubic yards of material dredged from the Houma Navigation Canal. This dredged material was placed directly adjacent to the Houma Navigation Canal in open water creating valuable and habitat producing wetlands.</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>2</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 10 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 four 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 preliminary design of subsurface drainage improvements in November 2020 and is beginning work on final design.</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> <p>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.</p>

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>1</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) 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>I-10 / LOYOLA INTERCHANGE IMPROVEMENTS, LADOTD – Jefferson Parish, LA (2016 – 2019) Project Manager responsible for engineering and related services to prepare an Interchange Modification Report (IMR) in accordance with the NEPA process. With the proposed reconfiguration of the Louis Armstrong New Orleans International Airport (MSY), the Loyola Drive/ Aberdeen Street corridor has been proposed for improvement in order to serve as the primary access point from I-10 to the proposed north terminal of the airport. The project included: Phase 1 - Interchange Modification Report (IMR) and Phase 2 - Environmental and Noise Analysis. Mr. Loeske was responsible for performing data inventory of readily available documentation in relation with MSY and alternative development inclusive of Line and Grade.</p> <p>I-12: LA 21 TO US 190, LADOTD – St. Tammany Parish, LA (2016 – 2020) Project manager responsible for assisting and overseeing portions of the horizontal and vertical alignment design, drainage design, and sequence of construction with minimum temporary traffic control layout and striping according to LADOTD specifications, standards and design criteria. Additional responsibilities included standard project manager duties including coordination, QC of plans and design, project coordination, and scheduling. Design tools used for this project included MicroStation with CadConform, Bentley InRoads, DOTD HydrWIN, and Microsoft Excel.</p> <p>ASHLAND LANDFILL ROAD EXTENSION – Terrebonne Parish, LA (Ongoing) Transportation Lead responsible for providing oversight for all necessary engineering and related services required to design a new 2-lane undivided concrete roadway for approximately 4500 linear feet. The project will also evaluate and replace drainage features, damages to concrete panels, and provide upgrades to parking at a public boat launch along the corridor. Mr. Loeske assisted on the design, QA of plan and profile sheets, typical sections, summary of quantities, construction sequencing, and will serve as the Engineer of Record for this project.</p>				

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>4</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>CHACHOULA (HANSON CANAL) PUMP STATION - Gibson, LA (2018-2020) 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.</p> <p>PETIT CAILLOU LOCK STRUCTURE – Chauvin, LA (2019-2020) 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 a braced floodwall system with miter gates.</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> <p>LOWER REACH F LEVEE ALIGNMENT PROJECT – Terrebonne Parish, LA (2013-2014) Mr. Jeanice performed construction management duties for the Reach F-1 levee alignment project consisting of review of pay applications, submittals and RFI's, conduct progress meeting between contractor and owner.</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>2</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>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>PETIT CAILLOU CONVEYANCE CHANNEL & PUMP STATION – Terrebonne Parish, LA (2017-Ongoing) 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.</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>				

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

Ms. Alvarez 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, she 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 (Ongoing)

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 - Ongoing)

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 3,200 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:				
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>1</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>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>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>TOWN OF GOLDEN MEADOW PHASE 4 AND PHASE 5 SEWER PROJECT – Golden Meadow, LA (06/2018 – 06/2019) Mr. Plaisance served as the Survey Lead and Project Engineer for the Town of Golden Meadow to design and provide construction documents for multiple sewer projects. He prepared construction plans for multiple phases of sewer construction projects including Sanitary Sewer System, Phase 4 and Sanitary Sewer System, Phase 5. Mr. Plaisance was responsible for the design of all elements of this project including survey and ROW mapping.</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>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>				

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:				
Name & Title:				
Laura Barnes, 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>1</u> With other firms: <u>17</u>				
Education: Degree(s) / Year / Specialization:				
Masters of Science / 2015 / Engineering Management Bachelors of Science / 1998 / Civil Engineering				
Active registration: Year first registered / discipline:				
Year first registered: <u>2012</u> Branch: <u>Civil</u> LA License No. <u>PE 37089</u>				
Other experience and qualifications relevant to the proposed Project:				
<p>Ms. Barnes has over 18 years of experience in civil engineering study and design, project and construction management. She has experience working with municipalities on their water supply, treatment, and distribution systems, and more recently has worked extensively on flood control projects.</p> <p>OAK CREEK PHASE 10 – WATER, WASTEWATER, STREET - Paris, TX Ms. Barnes designed and managed the construction of Phase 10 of a larger development. This design included 6 new lots, water, wastewater, storm drain and street extensions.</p> <p>PALM AVENUE WATERLINE RELOCATION, CONSOLIDATED WATERWORKS DISTRICT NO. 1 - Houma, LA Ms. Barnes managed the design and bidding of this waterline relocation project. The purpose of this project was to improve the material and relocate the waterline so that it was no longer in the middle of the street requiring new concrete panels with each pipeline repair.</p> <p>HYDRO-ALUMINUM PRODUCTS - Commerce, TX Ms. Barnes designed and oversaw construction of the roadway, storm drains, water and wastewater facilities at the site.</p> <p>FORT BEND COUNTY LEEVE IMPROVEMENT DISTRICTS; LID 19, SIENNA PLANTATION LIDS NORTH AND SOUTH – Sugar Land, TX This project resulted from flooding that took place during Hurricane Harvey in 2017. Ms. Barnes was a project engineer on the team responsible for performing an independent review of the design and construction of the levee system and pump station in Fort Bend County LID 19. She reviewed the County’s design criteria and assisted in analyzing the design and construction to determine if they were in accordance with the criteria and regulations at the time of design and construction as Phase I. In Phases II and III she reviewed the Operations and Maintenance material during the event and managed the team that modeled and provided preliminary design information for larger storm events.</p> <p>WARD 7 LEEVE IMPROVEMENTS AND EXTENSION, TERREBONNE PARISH CONSOLIDATED GOVERNMENT - Terrebonne Parish, LA Ms. Barnes managed the design and construction administration for 6 miles of new construction and improvements of a flood protection levee as part of the Terrebonne Parish Long Term Recovery Plan.</p> <p>FALGOUT CANAL NORTH AND SOUTH LEEVE TIE-INS - Theriot, LA Ms. Barnes managed the design and construction administration for new levee tie-ins to complete the connection between existing levees and the newly construction Falgout Canal Flood Control Structure.</p> <p>MORGANZA TO THE GULF HURRICANE PROTECTION SYSTEM – Terrebonne and Lafourche Parishes, LA Over the last 8 years, Ms. Barnes has assisted in design, project management and/or construction management for 6 of the flood control structures that make up this coastal flood protection system. The construction cost of each of these structures has ranged from \$12M - \$40M.</p>				

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><1</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, we 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 include 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 TBS 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 canals, 3 lateral ditches, removal/replacement of bridges with culverts and in phase 2, and additional pump station (phase 2 has yet to begin). 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.

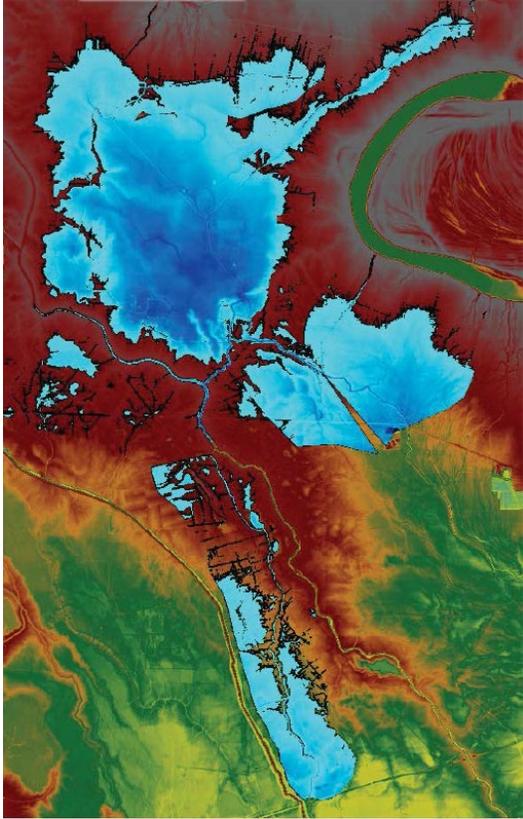
PROJECT NO. 1		
<p>Project Name, Location and Owner's contact information:</p> <p>PETIT CAILLOU DRAINAGE & RESILIENCY PROJECT</p> <p><u>OWNER</u> Terrebonne Parish Consolidated Government Michael Toups 985-873-6735 mctoups@tpcg.org</p>	<p style="text-align: center;">Nature of Firm's Responsibility:</p> <p>Project Summary:</p> <p>Terrebonne Parish Consolidated Government (TPCG) is constructing 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 will maintain safe water surface elevations in the basin when floodgates are closed.</p> <p>TPCG is installing a feeder/conveyance channel along with reinforced concrete box culverts under La. Hwy 56. This channel will convey water to the pump station currently under construction 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.</p> <p>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 is currently managing construction on TPCG's behalf.</p>	
		
<p>Completion Date (Actual or Estimated)</p>	<p>Estimated Cost:</p>	
<p>ONGOING</p>	<p>Entire Project:</p>	<p>Work for which Firm was Responsible:</p>
<p>ONGOING</p>	<p>\$1,376k (E)</p>	<p>Design & Construction Mgmt</p>

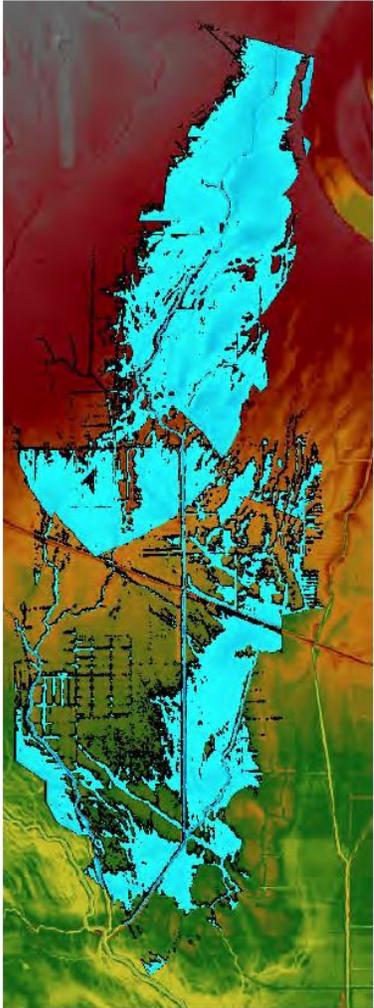
TEC Professional Services Questionnaire

PROJECT NO. 2		
<p>Project Name, Location and Owner's contact information: CHACAHOUOLA DRAINAGE & RESILIENCY PROJECT</p> <p><u>OWNER</u> Terrebonne Parish Consolidated Government Gordon Dove 985-873-6735 gdove@tpcg.org</p> <div style="display: flex; flex-direction: column; gap: 10px;">   </div>	<p>Nature of Firm's Responsibility: Project Summary:</p> <p>Terrebonne Parish Consolidated Government is installing a pump station within the Chacahoula Basin. This will be 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 backwater 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 could 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. This channel will 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.</p> <p>GIS Engineering performed the planning, surveying, engineering and environmental compliance (permitting) required for the project. GIS is currently managing construction on TPCG's behalf.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
ONGOING	Entire Project: \$1,680k (A)	Work for which Firm was Responsible: Design & Construction Mgmt

TEC Professional Services Questionnaire

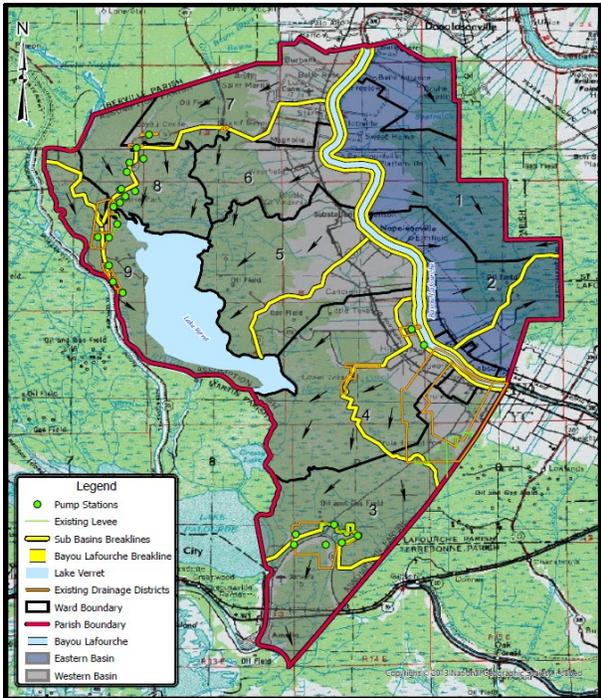
PROJECT NO. 3		
<p>Project Name, Location and Owner's contact information: BAYOU TERREBONNE DRAINAGE & RESILIENCY PROJECT</p> <p><u>OWNER</u> Terrebonne Parish Consolidated Government Michael Toups 985-873-6735 mctoups@tpcg.org</p>	<p>Nature of Firm's Responsibility: Project Summary:</p> <p>Terrebonne 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.</p> <p>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.</p>	
	<p>Estimated Cost:</p>	
	<p>Completion Date (Actual or Estimated)</p>	<p>Entire Project:</p>
<p>ONGOING</p>	<p>\$1,226k (E)</p>	<p>Design</p>

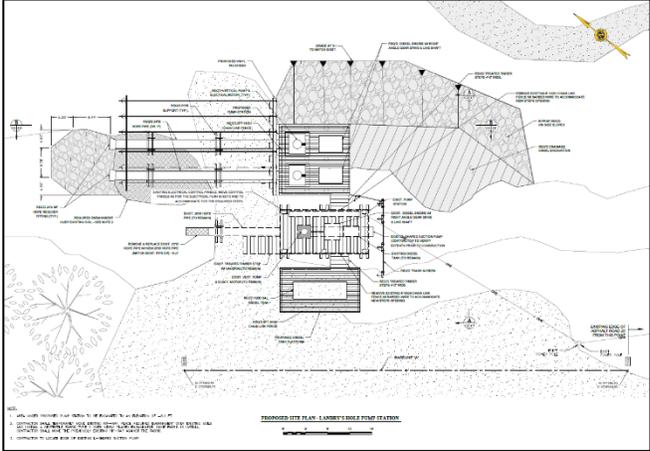
PROJECT NO. 4								
<p>Project Name, Location and Owner's contact information:</p> <p>UPPER DELTA WATERSHED FEASIBILITY PLAN & EA</p> <p><u>OWNER</u> Upper Delta Soil & Conservation District Andrew Price Gay, Jr. 225-638-7746 gdove@tpcg.org</p>	<p style="text-align: center;">Nature of Firm's Responsibility:</p> <p>Project Summary:</p> <p>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:</p> <p>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.</p>							
	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 45%; padding: 5px;">Completion Date (Actual or Estimated)</th> <th style="width: 15%; padding: 5px;">Entire Project:</th> <th style="width: 40%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">Jan 2021</td> <td style="text-align: center; padding: 5px;">\$183k (E)</td> <td style="padding: 5px;">Develop and Coordinate all aspects of a large scale feasibility study</td> </tr> </tbody> </table>		Completion Date (Actual or Estimated)	Entire Project:	Work for which Firm was Responsible:	Jan 2021	\$183k (E)	Develop and Coordinate all aspects of a large scale feasibility study
	Completion Date (Actual or Estimated)	Entire Project:	Work for which Firm was Responsible:					
Jan 2021	\$183k (E)	Develop and Coordinate all aspects of a large scale feasibility study						

PROJECT NO. 5		
<p>Project Name, Location and Owner's contact information:</p> <p>WEST BATON ROUGE STUMPY BAYOU DRAINAGE CONVEYANCE</p> <p><u>OWNER</u> West Baton Rouge Parish Government Kevin Durbin 225-336-2434 Kevin.durbin@wbr council.org</p>	<p style="text-align: center;">Nature of Firm's Responsibility:</p> <p>Project Summary:</p> <p>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.</p> <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 	
	Estimated Cost:	
	Completion Date (Actual or Estimated)	Entire Project:
	ONGOING	\$190k (E)
	Work for which Firm was Responsible:	
	Design & Construction Mgmt	

PROJECT NO. 6								
<p>Project Name, Location and Owner's contact information: ELLIOT JONES CANAL DRAINAGE CONVEYANCE & PUMP STATION</p> <p><u>OWNER</u> Terrebonne Parish Consolidated Government Michael Toups 985-873-6735 mctoups@tpcg.org</p>	<p>Nature of Firm's Responsibility: Project Summary:</p> <p>The Elliot Jones Canal currently flows directly out of Bayou Black, with a bridge crossing over the entrance to the canal, on Highway 182. Terrebonne Parish Consolidated Government intends to install a pump station at the Elliot Jones Canal. The recommended size of the pump station is 1000 cfs.</p> <p>GIS Engineering performed the planning, surveying, permitting, and design for the pump station and has completed plans and specifications. GIS is currently assisting TPCG with coordination with the Coastal Protection and Restoration Authority (CPRA) for funding and will manage bidding and construction once funding is appropriated.</p>							
								
<p style="text-align: center;">Completion Date (Actual or Estimated)</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%; padding: 5px;">Entire Project:</td> <td style="width: 65%; padding: 5px;">Work for which Firm was Responsible:</td> </tr> <tr> <td style="padding: 5px; text-align: center;">ONGOING</td> <td style="padding: 5px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%; padding: 5px;">\$1,444k</td> <td style="width: 65%; padding: 5px;">Design & Construction Mgmt</td> </tr> </table> </td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	ONGOING	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%; padding: 5px;">\$1,444k</td> <td style="width: 65%; padding: 5px;">Design & Construction Mgmt</td> </tr> </table>	\$1,444k	Design & Construction Mgmt
Entire Project:	Work for which Firm was Responsible:							
ONGOING	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%; padding: 5px;">\$1,444k</td> <td style="width: 65%; padding: 5px;">Design & Construction Mgmt</td> </tr> </table>	\$1,444k	Design & Construction Mgmt					
\$1,444k	Design & Construction Mgmt							

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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 style="text-align: center;">Nature of Firm's Responsibility:</p> <p>Project Summary:</p> <p>GIS Engineering, LLC (GIS) was contracted by the Assumption Parish Police Jury (APPJ) to prepare a preliminary Drainage & Flood Mitigation Master Plan (DFMMP) – Phase I 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 Drainage & Flood Mitigation Master Plan – Phase I builds 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. Phase I 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 Phase II of this DFMMP. Phase II will determine the feasibility of the proposed possible projects, cost-benefit ratios, and provide more accurate construction cost estimates.</p>							
								
<p>Completion Date (Actual or Estimated)</p> <p style="font-size: 1.2em;">ONGOING</p>	<p>Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center; padding: 5px;">Entire Project:</td> <td style="width: 33%; text-align: center; padding: 5px;">Work for which Firm was Responsible:</td> <td style="width: 33%;"></td> </tr> <tr> <td style="text-align: center; padding: 5px;">\$50k (E)</td> <td style="text-align: center; padding: 5px;">Planning and Project Management</td> <td></td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:		\$50k (E)	Planning and Project Management	
Entire Project:	Work for which Firm was Responsible:							
\$50k (E)	Planning and Project Management							

PROJECT NO. 8		
<p>Project Name, Location and Owner's contact information:</p> <p>LANDRY'S HOLE AND CYPRESS LANE PUMP STATION EXPANSIONS</p> <p><u>OWNER</u> Town of Grand Isle David Camardelle, Mayor 985-787-3196</p>	<p style="text-align: center;">Nature of Firm's Responsibility:</p> <p>Project Summary:</p> <p>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.</p>	
		
<p>Completion Date (Actual or Estimated)</p>	<p>Estimated Cost:</p>	
<p>Design Completed Feb. 2020 (A) Construction Pending</p>	<p>Entire Project: \$250k (E)</p>	<p>Work for which Firm was Responsible: Design & Construction Mgmt</p>

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 GIS, Inc., is comprised of two main divisions, Coastal Design & Infrastructure Division and the Industrial Division with branch offices in New Orleans, Houma, Galliano, and Baton Rouge. GIS' staff are proud of the strong relationships we have built with key stakeholders in our niche areas over the past 30-40 years. Our team have spent nearly 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 reflecting our core mission – To provide quality engineering, design and construction management services to our customers in a safe and environmentally sound manner at fair and competitive prices. 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: 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 103 employees, we have grown to one of the largest LOCAL engineering firms in the State. We are committed to continue growing our staff to continue delivering timely products to our clients.

GIS Engineering's New Orleans office completed a 21-month, \$1.2M deliverable in October 2020 and will add three new staff members by February 2021. Completion of this large project and the addition of new staff creates availability for new projects. We are excited to begin serving Jefferson Parish.

CRITERION NO. 3: LOCATION OF THE PRINCIPAL OFFICE WHERE WORK WILL BE PERFORMED

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 103 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. 4: ADVERSARIAL LEGAL PROCEEDING BETWEEN THE PARISH AND FIRM

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

CRITERION NO. 5: 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
- Ricky Templet, Councilman, District 1, Jefferson Parish: rickytemplet@jeffparish.net
- Chett Chiasson, Executive Director, Port Fourchon: chettc@portfourchon.com
- Gordon Dove, President, Terrebonne Parish: gdove@tpcg.org

“In my time as Parish President, GIS has demonstrated the ability to continuously perform above our expectations on projects that we have hired them to facilitate. Every time my administration has request expedited turnarounds or changes to projects, GIS’s team has delivered. GIS and its staff has been one of the most professional and responsive engineering firms I have worked with.”

Gordon E. Dove, Parish President - Terrebonne Parish Consolidated Government.

CRITERION NO. 6: SIZE OF FIRM

As noted above, GIS Engineering is one of the largest engineering firms in the State, with 103 employees. **All of our staff live and work in South Louisiana.** We have the technical staff required for this contract, including 15 Professional Engineers, 6 Engineer Interns, 14 design technicians, 10 CAD operators, 11 construction inspectors, and all of the support staff required.

CRITERION NO. 7: 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
- Barataria Bay Waterway East Side Shoreline Protection
- Northeast Turtle Bay Marsh Creation and Critical Shoreline Protection
- South Shore of the Pen Shoreline Protection and Marsh Creation
- Barataria Bay Waterway West Side Shoreline Protection
- Barataria Basin Landbridge Shoreline Protection – Phases 1-4

Many of our key staff also have experience with successful delivery for Jefferson Parish, as shown on their resumes in this proposal.

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 11 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: Oneil Malbrough, REM

Title: Vice President Date: 01/27/2021