

# Statement of Qualifications

RESOLUTION NO. 138811

## ROUTINE ENGINEERING SERVICES FOR DRAINAGE PROJECTS

*Presented to: Jefferson Parish Government*



March 31, 2022

**GEC**



March 25, 2022

Jefferson Parish Council  
General Government Building  
200 Derbigny Street, Suite 6700  
Gretna, LA 70054  
*Submitted electronically*

**RE: REQUEST FOR QUALIFICATIONS TO PROVIDE ROUTINE ENGINEERING SERVICES FOR  
DRAINAGE PROJECTS IN JEFFERSON PARISH (RESOLUTION NO. 138811)**

Dear Consultant Selection Committee,

G.E.C., Inc. (GEC) is pleased to present our proposal in response to Jefferson Parish's request for qualifications for the referenced services. Our proposal is compliant with the RFQ instructions and demonstrates our ability to successfully deliver professional services. GEC (EF.0001917) is licensed to perform and complete professional services in the State of Louisiana through the Louisiana Professional Engineering and Land Surveying Board.

**COMPANY HISTORY**

Established in 1986, GEC has more than 100 employees and a long history of experience with similar projects. GEC offers comprehensive, multidisciplinary project planning, design, and implementation services for public and private clients nationwide. The diverse resources of the company include design and construction engineering, economic analysis, environmental and ecological sciences, and GIS applications. We commit to producing high quality planning and design documents on time and within budget in keeping with the special needs of our clients so they can meet their objectives in a timely and efficient manner. Many of the GEC personnel assigned to this contract have more than 10 years of experience providing similar services.

GEC is committed to providing responsive engineering and technical solutions for our clients, reinforced by our enclosed Mission, Vision, and Core Values statement. As the proposed Principal-in-Charge for this assignment, I will work to provide innovative, safe, environmentally responsible, and transparent professional services. We appreciate the opportunity to present our qualifications to Jefferson Parish for this as-needed contract.

Sincerely,

A handwritten signature in blue ink, reading "Sherri LeBas". The signature is fluid and cursive, with the first name "Sherri" and last name "LeBas" clearly visible.

Sherri LeBas, PE  
Senior Vice President, G.E.C., Inc



## MISSION, VISION, AND CORE VALUES

### MISSION








To provide responsive engineering and technical solutions to our clients' needs in an innovative, safe, environmentally responsible, transparent, and successful manner for the long-term benefit of our valued clients and quality of life for everyone.

### VISION

To be recognized by our clients, throughout the areas we serve, as the company of choice and to constantly contribute to America's global progress while helping our clients by creating state-of-the-art engineering and technical solutions that are safer, more efficient, of superior quality and durability, sustainable, and more economically feasible than ever before.

### CORE VALUES

Core values are the cornerstone of how we do business and the basis for our guiding principles and the culture of our company.

-  To conduct all our business affairs with honesty, loyalty, quality, and integrity to our valued customers, partners, and co-workers.
-  To expect and demand excellent performance and innovation from all our employees on all of our projects in a respectful and collaborative working environment.
-  To constantly seek improvement in our technical and corporate skillset, in our work products, and to hold ourselves accountable to our clients, stakeholders, and to each other.
-  To never negotiate, compromise, or sacrifice the safety of all persons who will utilize, experience, or be exposed to our designed structures and work product for decades to come.
-  To strive to make the safety of our own co-workers a priority on a minute-by-minute basis.
-  To empower and invest in our people who remain our single greatest asset.
-  To foster an environment where thought, creativity, innovation, and contrarian ideas can thrive and translate into new, different, and better engineering solutions.

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### A. PROJECT NAME AND ADVERTISEMENT RESOLUTION NUMBER:

**Routine Engineering Services for Drainage Projects in Jefferson Parish**  
(Resolution No. 138811)

### B. FIRM NAME & ADDRESS WHERE PROJECT WORK WILL BE PERFORMED:

**G.E.C., Inc. (GEC)**  
3445 N. Causeway Blvd., Suite 707  
Metairie, Louisiana 70002

### 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:

**Sherri LeBas, PE**, Senior Vice President  
P. (225) 612-3000 E. slebas@gecinc.com  
Louisiana Licensed Professional Civil Engineer No. 23844 (1990)

### 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.

**Michael Hattaway, PE**, Civil Engineer  
P. (504) 838-6009 E. mhattaway@gecinc.com  
Louisiana Licensed Professional Civil Engineer No. 18672 (1980)

### E. PLEASE PROVIDE THE NUMBER OF EMPLOYEES WHOSE PRIMARY FUNCTION CORRESPONDS WITH EACH CATEGORY:

10	Administrative	**	Estimators	***	Specification Writers
0	Architects (Licensed)	0	Geologists	8	Structural Engineers
0	Chemical Engineers	0	Geotechnical Engineers	1	Graduate Engineers
19*	Civil Engineers	0	Interior Designers	2	Project Managers
15	Construction Inspectors	0	Landscape Architects	0	Clerical
5	Ecologists	0	Land Surveyor	0	Grant/Funding Specialist
3	Electrical Engineers	1	Mechanical Engineers	****	Sanitary Engineers
10	Engineer Intern	3	Environmental Engineers	37	<b>Other</b>
0	Professional Land Surveyors	1	Urban Planner	115	<b>TOTAL</b>

\*Coastal, Transportation and Hydrologist included in Civil Engineers

\*\*Senior Technical Personnel prepare Cost Estimates

\*\*\*Senior Technical Personnel prepare Specifications

\*\*\*\*Sanitary Engineers included in Environmental Engineers

F. IS THIS SUBMITTAL BY A JOINT-VENTURE? PLEASE CHECK: YES \_\_\_\_\_ NO ☒

IF MARKED "NO" SKIP TO SECTION I. IF MARKED "YES" COMPLETE SECTIONS G-H.

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

**G. IF SUBMITTAL IS BY JOINT-VENTURE, LIST THE FIRMS PARTICIPATING AND OUTLINE SPECIFIC AREAS OF RESPONSIBILITY (INCLUDING ADMINISTRATIVE, TECHNICAL, AND FINANCIAL) FOR EACH FIRM. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.**

1.  
N/A

2.

**H. HAS THIS JOINT-VENTURE PREVIOUSLY WORKED TOGETHER? PLEASE CHECK:**

YES \_\_\_\_\_ NO \_\_\_\_\_

**I. LIST ALL SUBCONTRACTORS ANTICIPATED FOR THIS PROJECT. PLEASE NOTE THAT ALL SUBCONTRACTORS MUST SUBMIT A FULLY COMPLETED COPY OF THIS QUESTIONNAIRE, APPLICABLE LICENSES, AND ANY OTHER INFORMATION REQUIRED BY THE ADVERTISEMENT. SEE JEFFERSON PARISH CODE OF ORDINANCES, SEC. 2-928(A)(3). PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.**

NAME & ADDRESS	SPECIALTY	WORKED WITH FIRM BEFORE (YES OR NO):
N/A		

**J. PLEASE SPECIFY THE TOTAL NUMBER OF SUPPORT PERSONNEL THAT MAY ASSIST IN THE COMPLETION OF THIS PROJECT:**

11 (additional individuals available to be assigned as needed)



## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

K. LIST THE PROFESSIONAL IN CHARGE, KEY PERSONS, SPECIALISTS, AND INDIVIDUAL CONSULTANTS ANTICIPATED FOR THIS PROJECT AND PROVIDE THEIR RELEVANT INFORMATION BELOW. IF NECESSARY, PLEASE ATTACH ADDITIONAL DOCUMENTATION (I.E. RESUME) THAT DEMONSTRATES THE EMPLOYMENT HISTORY AND EXPERIENCE OF THE FIRM'S KEY PERSONS THAT MAY ASSIST IN THE COMPLETION OF THIS PROJECT. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

PROFESSIONAL IN CHARGE OF PROJECT:

NAME & TITLE:

**MICHAEL HATTAWAY, PE**, Senior Civil/Environmental Engineer

PROJECT ASSIGNMENT:

Professional-in-Charge

NAME OF FIRM WITH WHICH ASSOCIATED:

**G.E.C., INC.**

YEARS' EXPERIENCE WITH THIS FIRM:

32 (42 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1975 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1980 / Licensed Professional Civil and Environmental Engineer No. 18672

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Hattaway, a senior civil and environmental design engineer, has managed various programs and projects, including sewer projects for Jefferson Parish and local municipalities throughout Louisiana. He has conducted preliminary investigations, prepared preliminary and final drawings, provided construction costs estimates, submitted preliminary and final engineering reports, and completed other tasks for municipal water and wastewater programs. Design experience includes plans and specifications for sewer, water, drainage, and street infrastructure design, sewer lines, sewer force mains, gravity sewer repairs, and lift stations. He has served as consulting engineer for multiple public utility districts in Louisiana and Mississippi. He has also managed several CDBG water improvement projects.

### RELEVANT PROJECT EXPERIENCE

**LAKESHORE ESTATES:** Slidell, LA. Project Manager-Managed the water, sewer, drainage and street infrastructure design of a 3,000 acre development. The water system design he supervised included design and construction administration of a new water wells, new 8" and 12" water mains, and fire hydrants. Mr. Hattaway

provided design, environmental permitting, hydraulic modeling and construction phase services. (1996-2011)

**FLEUR DE LIS DRIVE RECONSTRUCTION:** New Orleans, LA. Design Lead: Water and Sewer – Services included design of the complete reconstruction of an 8,200 linear feet (1.5 miles) divided, urban arterial access roadway. Included in the design was 10,000 linear feet of 8" and 12" water and sewer lines and 2,000 linear feet of 18" sewer force mains, to replace the existing municipal system. The project was divided into three phases to match the funding schedule. The plans and specifications were submitted to and approved by the Louisiana Department of Health and Hospitals, the City of New Orleans, the Sewerage and Water Board of New Orleans, and the Louisiana Department of Transportation and Development. Total project construction cost: \$28,000,000 (2006-2018)

**ST. BERNARD PARISH GRAVITY SEWER REPAIRS, PHASE II:** St. Bernard Parish, LA. Project Manager - Project Manager for the SSES and gravity sewer repair project covering 350,000 LF of 8" to 36" diameter sewer mains. The sewer repair project included CCTV inspection, point



## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

**MICHAEL HATTAWAY, PE, *Continued Resume***

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

repairs, manhole repairs, new service connections, cured-in-place lining, pipebursting, and related work. The \$30M project was funded by FEMA, as a result of Hurricane Katrina. (2011-2019)

**COVINGTON POINT SEWER LIFT STATION IMPROVEMENT PROJECT:** Covington, LA. Project Manager - Project manager for this lift station improvement project to replace the above-ground self-priming pumps and motors with new submersible wastewater pumps, wet-well rehabilitation, mechanical and electrical work, and other related work. This project also includes the design and installation of a new Emergency Pump Out Connection. (2014-2015)

**CITY OF MANDEVILLE SEWERAGE IMPROVEMENT PROGRAM PROJECT:** Mandeville, LA. Project Manager - In charge of the design and construction administration of a new 3.0 MGD treatment facility, new sewer force mains (9 miles of 6" through 24" diameter), gravity sewers and I/I abatement project. The Mandeville sewer plant was one of the first of this size to use a non-mechanical artificial marsh technology and UV disinfection. Mr. Hattaway also oversaw the design of 12 lift stations and one 10,000 GPM capacity central pumping station. (1988-1993)

**BIG HILL ACRES WATER AND SEWER PROJECT:** Jackson County, MS. Project Manager – Design and construction administration of water and sewerage collection systems including the installation 159,200 L.F. of PVC sewer force mains ranging in size from 2-inch to 8-inch, five new lift stations and 678 grinder pumps. The water distribution system consists of 99,600 L.F. of 6-inch through 12-inch diameter water mains. A 1,000 GPM water well and a 250,000 gallon elevated tank will also be constructed to provide potable water and fire protection for the project area. Additionally, the project includes connections of approximately 700 homes to the water and sewer systems. (2010-2016)

**SCADA SYSTEM DESIGN SERVICE:** Waveland, MS. Project Engineer – The project consisted of a SCADA

system to provide the means for Hancock County Utility Authority (HANCUA) to monitor and control 13 water and wastewater facilities. Funded by the Gulf Region Disaster Recovery Community Development Block Grant program. Data from each facility will be communicated to a central SCADA server to be located at the Waveland Wastewater Treatment Plant. (2012)

**CDBG INFRASTRUCTURE REPAIR, AREA 10:** 6th Street South: Biloxi, MS. Senior Engineer – Project involved survey, conceptual design, preliminary design, final design and coordination with five other engineering firms working on adjacent areas. He has provided plans and specifications for 8,400 LF (1.5 miles) of roadway, new handicap-accessible walkways, landscaping, street parking, and improved drainage consisting of over 9,000 LF of new drain lines as well as the replacement of the associated sanitary sewers, water mains, and fire hydrants for infrastructure damaged by Hurricane Katrina. The project also included a new 15 MGD sewer lift station. (2010-Present)

**WEST JACKSON COUNTY UTILITY DISTRICT:** Jackson, MS. Project Manager – Managed the complete design of water and sewerage systems, including lift stations and force mains serving 8,000 people in Jackson County, Mississippi. Projects also included the design and the construction management of water wells, elevated storage tanks and distribution systems. He has been involved in the project for over 30 years. Some of the project phases are funded with Rural Development and CDBG grants. (1990-2013)

**COLUMBIA PARC INFRASTRUCTURE:** New Orleans, LA. Project Manager – For this \$12M infrastructure improvements project at the site of the former St. Bernard Housing Projects, GEC performed complete reconstruction of all streets in the 17 square block site. The reconstruction included all new water, sewer, and drain lines, street paving, and street lighting. (2008-2018)

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

**SHERRI LEBAS, PE, Senior Vice President**

PROJECT ASSIGNMENT:

Principal-in-Charge

NAME OF FIRM WITH WHICH ASSOCIATED:

**G.E.C., INC.**

YEARS' EXPERIENCE WITH THIS FIRM:

5 (36 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1985 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1990 / Louisiana Licensed Professional Civil Engineer No. 23844

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Ms. LeBas has managed numerous Louisiana State projects and programs over her 35-year career from hands on day to day management to leading the 4,200 LADOTD staff members in the delivery of the \$1.8 Billion annual budget for capital improvements and operations while Secretary of the LADOTD. She is driven by her goal to provide our citizens with excellent and safe infrastructure improvements that require problem solving, innovative solutions, and best practices by leading and engaging in teamwork and collaboration. She enjoys working with stakeholders and citizens by informing, explaining and working to find common ground.

While at the Division of Administration, Facility Planning and Control, she served as Project Manager for numerous diverse capital outlay projects throughout the state ranging from municipal utilities to roadways and from livestock arenas to the planetariums managing contracts, schedules and cash flow. She served as the LADOTD Assistant Program Manager for the \$5.2 Billion Transportation Infrastructure Model for Economic Development (TIMED) program. As LADOTD Assistant Secretary for Policy, she managed the \$1.2 Billion State Surplus program and while LADOTD Deputy Secretary, she managed the \$430 million American Recovery Reinvestment Act program (ARRA).



### RELEVANT PROJECT EXPERIENCE

**I-10 & I-12 COLLEGE DRIVE FLYOVER RAMP DESIGN-BUILD:** Baton Rouge, Louisiana. Assistant Quality Design Manager- Ms. LeBas is providing quality design review for the GEC/Boh Bros. team. GEC is responsible for engineering and design quality control services as necessary to complete the design and construction for the I-10 & I-12 College Dr Flyover Ramp Design-Build Project. (08/20-Present)

**I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12:** Baton Rouge, Louisiana. Assistant Project Manager - Ms. LeBas serves as Assistant Project Manager for the project, overseeing GEC's engineering services, including right-of-way corridor preservation milestone plan preparation for the corridor from the College Drive east ramp terminals to the I-10/I-12 interchange area. Ms. LeBas is assisting the Prime with project transition and data transfer, document control, meetings and coordination, project tracking, initial financial plan, Project Management Plan (PMP), and Project Implementation Plan (PIP). (09/20-Present)

**ROAD TRANSFER PROGRAM MANAGEMENT:** Statewide, LA. Principal-in-Charge - Ms. LeBas serves as a resource to GEC's Program Manager of the Louisiana Department of Transportation and Development



## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

**SHERRI LEBAS, PE, *Continued Resume***

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

(LADOTD) Road Transfer Program. Ms. LeBas provides feedback, is the direct link for communication and service between GEC's Project Manager who is stationed at LADOTD Headquarters and GEC's staff, and attends bi-monthly status meetings with the LADOTD Road Transfer Team. (2016-Present)

### **WORK DONE PRIOR TO JOINING GEC**

**THE TRANSPORTATION MODEL FOR ECONOMIC DEVELOPMENT (TIMED) PROGRAM:** Statewide, LA. Assistant to the TIMED Program Manager, LADOTD Road Design Section: Ms. LeBas served as the Assistant TIMED Program Manager for the \$5.2 Billion Program. Sherri was responsible for the financials working with the LADOTD Administration, LADOTD staff and the consultant LTM team. This included reviewing the program changes, change orders, and total program costs from design through construction. In addition, Ms. LeBas worked with the LADOTD TIMED Program Manager in the coordination with the LTM team for plan delivery and construction schedule. (07/95-01/98)

**I-49 SHREVEPORT URBAN INTERSTATE (INNER LOOP EXPRESSWAY (LA 3132) TO THE I-49/I-20 INTERCHANGE):** Caddo Parish, LA. Project Manager LADOTD Road Design: Ms. LeBas served as Project Manager responsible for scope, schedule & budget, plans, specifications, & estimate (PS&E) of new interstate (I-49) through Shreveport Urban area from Inner Loop Expressway (LA 3132) to I-49/I-20 Interchange which at this time was largest roadway program at LADOTD. During construction, she worked closely with District Construction Engineers to resolve issues. Sherri was responsible for developing scope & fee, negotiating contracts for final design plans, scheduling and tracking plan submittals. Ms. LeBas was responsible for checking roadway design plans & coordinating plan reviews with other LADOTD sections. Sherri prepared the summary of estimated quantities and worked on any special specifications required. Ms. LeBas designed & developed sequence of construction for

I-49/I-20 Interchange which included new concept to LA to use concrete barriers to separate lanes of interstate traffic during construction. She met with property owners within the corridor to discuss driveway access, modifications and concerns. (07/88-08/97)

**I-49 SHREVEPORT URBAN INTERSTATE (INDUSTRIAL LOOP (LA 526) TO THE I-49/I-20 INTERCHANGE):** Caddo Parish, LA. Design Engineer in Training, LADOTD Road Design Section: Ms. LeBas reviewed the design aspects of the roadway including drainage, typical sections, horizontal and vertical alignments, superelevation, embankment widening for guardrails, cross sections, quantity calculations, summary of estimated quantities in accordance with the LADOTD standard specifications, traffic sequencing, and construction cost estimate for the consultant designed plans to ensure compliance with LADOTD standards and plan formatting and AASHTO standards. (03/86-07/88)

**STATE OF LOUISIANA NON-STATE ENTITY CAPITAL OUTLAY PROGRAM:** Program Manager - Ms. LeBas served as Program Manager at the Division of Administration (DOA)/Facility Planning & Control (FP&C) for the non-state entity projects that receive funding through the State of Louisiana. She was responsible for the development of the Cooperative Endeavor Agreements between the State and the local entity, working with local entities in the delivery of their projects in accordance with the State's guidelines, each project's cash flow and communicating and working with local and state officials during the entire process, from funding through construction. While at DOA/FP&C, she co-authored the Non-State Entity Capital Outlay Administrative Guidelines which are still used today for the management of the projects. At any one time 75 to 100 active projects were in production with a wide range of scope including but not limited to waterlines, sewer lines, pump stations, roadways, livestock arenas, renovation of theaters, renovation of historical buildings, park roadways and amenities and port facilities. (01/98-09/03)

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

**CARY BOURGEOIS, PE**, Senior Vice President

PROJECT ASSIGNMENT:

QA/QC

NAME OF FIRM WITH WHICH ASSOCIATED:

**G.E.C., INC.**

YEARS' EXPERIENCE WITH THIS FIRM:

37 (37 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1983 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1983 / Louisiana Licensed Professional Civil Engineer No. 23414

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Bourgeois is GEC's Senior Vice President, currently involved in supervising activities and performing design services on several large-scale projects. Mr. Bourgeois is experienced in the areas of Bridge, Roadway, Toll Collection Systems and Intelligent Transportation Systems (ITS) design. He has extensive experience in safety inspection of bridges. He has valuable experience in the design of prestressed concrete girders, curved steel plate girders, continuous slabs, inverted "T" cap column bents, pile bents, footings, retaining walls, as well as geometry associated with bridge structures and roadways. He is thoroughly familiar with AASHTO Standard Specifications for Highway Bridges, AASHTO Policy on Geometric Design of Highways and Streets, Manual on Uniform Traffic Control Devices, the Highway Capacity Manual and the Standard Specifications for Structural Support for Highway Signs, Luminaries and Traffic Signals.

### RELEVANT PROJECT EXPERIENCE

**BLUEBONNET BLVD. (PERKINS TO PICARDY):** Baton Rouge, LA. Principal-in-Charge - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Mr. Bourgeois oversaw an investigation of the existing bridge over Dawson Creek to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD

BDEM. This investigation started with an NBIS bridge inspection to determine Condition Ratings for the bridge superstructure, substructure, and piles. A Bridge Load Rating was then carried out based on the AASHTO Manual of Bridge Evaluation and the LADOTD BDEM. Based on the load rating, GEC recommended that the existing bridge be replaced. He also oversaw the preliminary design for the replacement bridge as well as the design study for a six-lane, curb and gutter roadway with pedestrian facilities and subsurface drainage. (09/20-Present)(City-Parish Project No. 19-CP-HC-0034)

### LA SAFE-AIRLINE AND MAIN COMPLETE STREETS:

Laplace, LA. Principal-in-Charge - This project consists of a 10' shared use path, 5' sidewalk along the north side of US 90, bike lanes on shoulders, and softening of the median. Existing ditches will have pipes added and be reshaped to provide detention ponds to reduce time of concentration. Along Main St., the design will provide parallel parking utilizing decorative brick and permeable base to reduce time of concentration. GEC oversaw the calculation of preliminary quantities and development of a preliminary estimated construction cost. GEC proposed the conceptual design to the Parish and received approval. GEC also oversaw development of the fee for all costs from surveying to construction. (2019-Present)



## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

**CARY BOURGEOIS, PE, *Continued Resume***

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

**H.003074, I-10 WIDENING, WILLIAMS TO VETERANS :** Jefferson Parish, LA. Principal in Charge - Mr. Bourgeois oversaw the superstructure and substructure load rating for existing bridges and ramps for this highly congested 2.28 mile urban interstate. The extensive load rating and documentation, allowed LADOTD to make an informed decision on widen or replace the existing bridges. The data supported the replacement of the bridges. GEC designed concrete slab spans, pre-stressed concrete girder spans and steel girder spans. All pre-stressed girders were Louisiana (LG) girders designed in accordance with AASHTO LRFD bridge specs. (06/17-2021)

**450-15-0089 / ROUTE I-10, CAUSEWAY BLVD TO 17TH STREET CANAL:** Metairie, LA. Project Manager/Engineer-of-Record/Structural Engineer - Mr. Bourgeois performed Quality Assurance and project management on this project. He specifically acted as QA for all disciplines involved including surveying, structures/bridge design, electrical & controls design and civil engineering design. Project consisted of widening while under traffic of 1.64 miles of urban interstate highway from six to 10 lanes with roadway and bridges. He performed PPC girder layout and design and performed the design check of a two-span (425' total length) continuous steel girder with integral steel intermediate bent. (03/95-06/10)

**I-10 SERVICE ROAD BRIDGE REPLACEMENTS:** Slidell, LA. Principal-in-Charge - The project includes the replacement of two slab span bridges. Mr. Bourgeois is Principal-in-Charge and oversaw the design phase of the project. (10/19-11/20)

**CHEVELLE AND SARASOTA DRIVE BRIDGE REPLACEMENTS:** Baton Rouge, LA. Principal-in-Charge- GEC performed a Design Study, including hydraulics, environmental, and geotechnical considerations, overseeing topographic survey and Right-of-Way (ROW) Mapping as required; developing preliminary and final construction plans and cost estimates. GEC will oversee construction phase services and preparation of an as-

designed load rating for the bridge according to LADOTD criteria. The project includes the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek and the existing Sarasota Drive Bridge over Engineers Depot Canal, both located in Baton Rouge, LA. (04/19-Present)

**USACE, LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY, HURRICANE PROTECTION PROJECT LPV 17.2, BRIDGE ABUTMENT AND FLOODWALL TIE-INS AT CAUSEWAY BRIDGE:** Metairie, LA. Overall Project Manager - This project was located in Jefferson Parish, Louisiana and was part of the Lake Pontchartrain and Vicinity, New Orleans, Louisiana, Hurricane Protection Project. This reach consisted of levees, floodwalls, crib walls, Causeway Boulevard and other miscellaneous access points. The designs were intended to bring the hurricane protection to the Phase II 100-year level. The professional services required of GEC included detailed engineering and design (E&D), preparation of a Design Report (DR), preparation of plans and specifications (P&S), and E&D support during advertisement. (07/09-06/12)

**GREATER NEW ORLEANS EXPRESSWAY COMMISSION (GNOEC), LAKE PONTCHARTRAIN CAUSEWAY, CONSULTING ENGINEER:** Metairie, LA. Overall Project Manager - GEC has served as Consulting Engineer for GNOEC since 1991 performing Trust Indenture Services in accordance with the GNOEC General Bond Resolution. Mr. Bourgeois has been associated with the project since the selection of GEC as Consulting Engineer and has served as Project Manager for over 15 years. In this time GEC has designed and implemented over \$125,000,000 in improvements to the GNOEC system. (1991-Present)

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

**JEROME Klier, PE**, Civil Engineer

PROJECT ASSIGNMENT:

Civil Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

**G.E.C., INC.**

YEARS' EXPERIENCE WITH THIS FIRM:

12 (53 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1963 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1968 / Louisiana Licensed Professional Civil Engineer No. 11591

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Klier is a Senior Project Manager with more than 50 years' experience in engineering. He retired in 2004 from the East Baton Rouge City-Parish Department of Public Works (DPW) after 28 years of service. For 20 of those years he served in the Engineering Division where he held the following positions: Project Engineer; Assistant Chief Construction Engineer; Design Engineer; Assistant Chief Engineer; and Chief Engineer. The remaining eight years with DPW included serving as Acting Director of Public Works and Deputy Director of Public Works. Mr. Klier is very knowledgeable about the public bid law requirements, particularly Title 38 of the State of Louisiana Revised Statutes and the State of Louisiana Division of Administration Facility Planning and Control (FP&C) construction document and bidding requirements.

Mr. Klier has managed numerous public works projects involving multi-discipline A/E teams and federal and state agencies. He is a Life Member of the American Society of Civil Engineers (ASCE) and the American Public Works Association (APWA), and has received numerous awards and honors from these professional organizations. Mr. Klier was honored to receive the ASCE Louisiana Section highest award the "Wall of Fame" in 2013. He also represents the ASCE on the official Nominating Committee for the Southeast Louisiana Flood Protection Authority

(SLFPA) East and West Boards, and is the Chairman of the City of Walker, Louisiana Planning and Zoning Commission. He is also a member of the Capital Region Area Floodplain Task-Force (CRAFT) a multi-jurisdictional outreach public awareness program to reduce flooding adverse impacts.

Mr. Klier has worked closely with LADOTD involving designing and constructing sanitary sewer/septic tank effluent collection systems as part of the State highway roadway improvements. Some of these projects included:

- Perkins Road (LA 427) from Lee Drive to Essen Lane
- Old Hammond Highway (LA 426) from Sharp Road to Blvd. De Province
- I-12/Millerville Road Interchange
- Hooper Road (LA 408)/Joor Road (LA 946) Intersection Improvements
- Hooper Road (LA 408) from Mickens Road to Cypress Bayou

### RELEVANT PROJECT EXPERIENCE

**SEWER SYSTEM REHABILITATION PROJECT:** Covington, Louisiana. Project Engineer - GEC serves as the Consulting Engineer for the St. Tammany Parish Sewerage District No. 1 (District). The District services approximately 50 residential and 10 commercial customers in Covington, Louisiana. The original sewer system was installed





## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

**JEROME KLIER, PE, *Continued Resume***

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

in the 1950s and, as such, the system was in need of rehabilitation. As originally constructed, the lift stations were installed in series from the eastern end of the system to the treatment plant on the western end of the system. GEC designed a new lift station and 5,600 linear feet (LF) of 6" diameter sewer force main. GEC's repair work included point repairs and replacement of 6", 8", and 10" sewer mains, replacement of sewer laterals, and repair of sewer manholes and cleanouts. (2020)

**SANITARY SEWER SYSTEM UPGRADES, SOUTH FORCE MAIN AND GRAVITY SYSTEMS, PUMP STATION 58A, SGC-C-PS58A (STARING LANE – OVERFLOW PS):** Baton Rouge, LA. Lead Project Civil Engineer – Mr. Klier was the Lead Project Civil Engineer for the new 120 MGD wastewater submersible pumping station on Essen Lane near Ward's Creek. He was responsible for the design of the overall project as well as design of the site plans, yard and force main piping, specifications, and special provisions. Mr. Klier's responsibilities also included coordinating the design of Pump Station 58 between in-house structural and electrical team members and other members of the design team. (2009-2014) (City-Parish Project No. 09-PS-US-001)

**SANITARY SEWER SYSTEM UPGRADES, SOUTH FORCE MAIN AND GRAVITY SYSTEMS, BOOSTER PUMP STATION 514 REPLACEMENT (SFL-C-0002 PERKINS/ OLD PERKINS SERVICE AREA):** Baton Rouge, LA. Lead Civil Engineer – Mr. Klier was the Lead Civil Engineer for the new 77 MGD wastewater submersible pumping station located near the intersection of Perkins Road and Old Perkins Road. He was responsible for assisting in the design of the overall project as well as the design of site plans, yard and force main piping, and preparing project specifications and special provisions. Mr. Klier's responsibilities also included coordinating the design of Pump Station 514 between in-house structural and electrical team members and other members of the design team. (2009-2015) (City-Parish Project No. 09-PS-

MS-0034)

**SANITARY SEWER SYSTEM UPGRADES, NORTH STN FORCE MAIN SANITARY SYSTEM, HIGHWAY 61 - PLANK ROAD MULTIPLE PUMP STATION REPLACEMENT:** Baton Rouge, LA. Project Manager - Project involved evaluation of 8 wastewater pump stations ranging in size from 350 GPM to 9,000 GPM for replacement. Mr. Klier was responsible for managing project design & hydraulic design, and the preparation of the project drawings, specifications and contract documents for bidding. He was also responsible for coordinating the design with Baton Rouge's Sanitary Sewer Overflow Program Manager office and the Baton Rouge DPW Wastewater Division office. (2011-2018) (City-Parish 11-PS-MS-0035)

### **WORK DONE PRIOR TO JOINING GEC**

**CITY/PARISH OF EAST BATON ROUGE REHABILITATION AND UPGRADE OF THE SOUTH WASTEWATER TREATMENT:** Baton Rouge, LA. City's Project Manager - This project involved the upgrading of a 20 MGD primary wastewater treatment to EPA/LDEQ secondary treatment requirements. Project included the upgrading of the influent and effluent pump stations; installing new bar screens at the influent pump station; installing new clarifiers, trickling filters, sludge dewatering facility, chlorination/de-chlorination basins, a chlorine gas storage facility, and a new office/laboratory building.

**CITY/PARISH OF EAST BATON ROUGE REHABILITATION AND UPGRADE OF THE NORTH WASTEWATER TREATMENT PLANT:** Baton Rouge, LA. City's Project Manager -- This project involved the upgrading of a 16 MGD primary wastewater treatment plant to EPA/LDEQ secondary treatment requirements. Project involved the upgrading of the influent and effluent pump stations; installing new bar screens at the influent pump stations; installing new clarifiers; trickling filters, sludge dewatering facilities, chlorination/de-chlorination basins, a chlorine gas storage facility, and a new office/laboratory building.



## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

**JEROME LOHMANN, PE, Roadway Engineer**

PROJECT ASSIGNMENT:

Civil Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

**G.E.C., INC.**

YEARS' EXPERIENCE WITH THIS FIRM:

6 (38 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1981 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1992 / Louisiana Licensed Professional Civil Engineer No. 24673

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Lohmann has over 38 years of diversified engineering, surveying, and construction experience to his credit. He began his career working for an engineering/construction company in 1969. Since that time, he has gained progressive experience, an Associate degree in Applied Science (Surveying), and B.S. in Civil Engineering. His career has included extensive experience in the area of surveying (right-of-way, boundary, topographic, hydrographic, construction, route/location, etc.), sanitary sewer design, water supply systems, highway and transportation systems, drainage design, etc. Mr. Lohmann has served as Project Manager/Design Engineer on various LADOTD Projects. He has been responsible for the design and management of projects ranging in magnitude from Off- System Bridge Replacement Projects to a major interchange on I-49.

### RELEVANT PROJECT EXPERIENCE

**METAIRIE ROAD DRAINAGE EVALUATION (CAUSEWAY BLVD. TO FOCIS ST.):** Jefferson Parish, LA. Project Manager - Mr. Lohmann managed this project, which included an examination of the existing drainage system and recommending improvements to reduce flooding. He oversaw development of preliminary drainage assessments, SWMM modeling, selecting alternatives, modeling and assessing selected alternatives, and preparing a final report. (01/19-09/19)



**WEST TAMMANY HILLS DRAINAGE:** Covington, LA. Project Manager - Mr. Lohmann is overseeing development of a drainage report, along with plans for the installation of subsurface drainage for the residential area north of the Crestwood Subdivision in Covington. Mr. Lohmann's road design services include pavement structural design for rehabilitated and/ or reconstructed sections and preliminary and final roadway design and plan development. He will also work with the Parish to finalize plans and specifications into the Parish frontend documents and format for bidding, address request for information (RFIs) during the bidding process, attend and document pre-bid meeting, review and tabulate bids, and make recommendation on acceptance of bids as required. (09/19-Present)

**SHARP ROAD:** Mandeville, LA. Project Manager - Mr. Lohmann is managing the preparation of preliminary and final construction plans for roadway improvements, subsurface drainage installation, and sidewalk construction. (12/21-Present)

**LA SAFE-AIRLINE AND MAIN COMPLETE STREETS:** LaPlace, LA. Project Manager - Mr. Lohmann is managing the development of typical sections and preliminary layout for the project, which consists of a 10' shared

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

**JEROME LOHMANN, PE, *Continued Resume***

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

use path, 5' sidewalk along the north side of US 90, bike lanes on shoulders, and softening of the median. Existing ditches will have pipes added and be reshaped to provide detention ponds to reduce time of concentration. Along Main St., the design will provide parallel parking utilizing decorative brick and permeable base to reduce time of concentration. Mr. Lohmann oversaw the calculation of preliminary quantities and development of a preliminary estimated construction cost. He proposed the conceptual design to the Parish and received approval. He also oversaw development of the fee for all costs from surveying to construction. (09/19-present)

**CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS:** East Baton Rouge Parish, LA. Project Manager - Mr. Lohmann was Project Manager performing a Design Study including hydraulics, environmental, and geotechnical considerations, overseeing topographic survey and right-of-way (ROW) mapping as required; and developing preliminary and final construction plans and cost estimates. The project included the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek and the existing Sarasota Drive bridge over Engineers Depot Canal. (04/19-12/21) (Bridge Recall No(s). 800541 and 800561; City Parish Project No. 18-BRUS-0016)

**I-10 SERVICE ROAD BRIDGE REPLACEMENTS:** Slidell, LA. Project Manager - Mr. Lohmann managed the GEC design staff for the replacement of two-slab span bridges and approximately 1.1 miles of milling and overlay. He oversaw design of the vertical alignment, proposed length of the bridges, placement of the new bridges, and guardrail design. Mr. Lohmann also oversaw the design of the new roadway approaches to the new bridge, calculation of quantities, and construction cost estimating for the project. (11/18-02/21)

**CAMP COUSHATTA ROAD IMPROVEMENTS:** Allen Parish, LA. Project Manager - Mr. Lohmann managed the design of a new road for the Coushatta Tribe of Louisiana,

including the new alignment and drainage structures/systems. The road consisted of two eleven foot lanes, with 3 foot outside aggregate shoulders, and ditches on both sides. A subsurface drainage system was designed that tied into an existing subsurface system. Two reinforced concrete box culverts were designed to facilitate the flow of local canals through the new roadway, and one of the canals was realigned. (09/17-12/18)

**BLUEBONNET BLVD. (PERKINS TO PICARDY):** Baton Rouge, LA. Project Manager - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Mr. Lohmann is Project Manager, overseeing design of a six-lane, curb and gutter roadway with subsurface drainage, bridge replacement, green infrastructure and pedestrian facilities. GEC's design is in accordance with MOVEBR Design Guidelines and Consultant Services Manual. Mr. Lohmann supervised a study of the existing bridge over Dawson Creek to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM. This study started with an NBIS bridge inspection to determine Condition Ratings for the bridge superstructure, substructure, and piles. A Bridge Load Rating was then carried out based on the AASHTO Manual of Bridge Evaluation and the LADOTD BDEM. Based on the load rating, GEC recommended that the existing bridge be replaced. (09/20-Present) (City-Parish Project No. 19-CPHC-0034)

**US 11 IMPROVEMENTS AT SCHNEIDER CANAL:** St. Tammany Parish, LA. Project Manager: Mr. Lohmann designed approximately 2,700' of divided two lane and multi lane roadway to raise the roadway over the levee on Schneider Canal. (2016)

**OLD HAMMOND HIGHWAY (US 61 TO BLVD. DE PROVINCE), ROUTE LA 426:** Baton Rouge, LA. Project Engineer - Mr. Lohmann was responsible for roadway design consisting of four travel lanes and one continuous turn lane with curb and gutter and subsurface drainage.

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

**ALISON NISSEN, PE**, Roadway Engineer

PROJECT ASSIGNMENT:

Civil Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

**G.E.C., INC.**

YEARS' EXPERIENCE WITH THIS FIRM:

2 (26 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1984 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

2000 / Louisiana Licensed Professional Civil Engineer No. 28801

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Ms. Nissen joined GEC in 2019 as a civil engineer with 24 years of experience with project management and transportation design projects. Her engineering and management experience includes preliminary and final design, plan preparation, and construction phase services. She has experience with project supervision, frequently interfaces with clients, subconsultants and government agencies, and has prepared roadway design, drainage, traffic control plans, and other associated design for preliminary and final design of roadways from major thoroughfares to residential streets for private land developers and city, parish/county, and state agencies. Ms. Nissen has a wealth of experience in the design of roadways and drainage, inclusive of the design of roundabouts.

### RELEVANT PROJECT EXPERIENCE

**MID CITY GROUP C, D, & E, FEMA RECOVERY ROADS PROGRAM:** New Orleans, LA. Project Engineer - Ms. Nissen is preparing plans, specifications, and estimates for the removal and replacement of an existing asphalt and concrete pavement and drainage structures, as well as replacement of waterline and sewer main. Tasks include horizontal and vertical geometry, subsurface drainage design, and cross section development. (10/19-Present)



**BLUEBONNET BLVD. (PERKINS TO PICARDY):** Baton Rouge, LA. Design Engineer - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Ms. Nissen completed a design study of a six-lane, curb and gutter roadway with subsurface drainage, bridge replacement, green infrastructure and pedestrian facilities. GEC's design is in accordance with MOVEBR Design Guidelines and Consultant Services Manual. Ms. Nissen made slight modifications to the horizontal alignment to avoid conflicts with existing railroad and pedestrian bridge support columns, raised the profile for the replacement bridge over Dawson Creek. Ms. Nissen prepared typical sections, roadway plan and profile drawings, geometric details and construction cost estimate for the design study report. (09/20-Present) (City-Parish Project No. 19-CP-HC-0034)

**CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS:** East Baton Rouge Parish, LA. QA/QC - Ms. Nissen provided plan review services for this project which includes the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek and the existing Sarasota Drive bridge over Engineers Depot Canal. (10/19-12/21)

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

**ALISON NISSEN, PE, *Continued Resume***

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

**I-10 SERVICE ROAD BRIDGE REPLACEMENTS:** Slidell, LA. QA/QC - The project includes the replacement of two slab span bridges. Ms. Nissen provided review of the project plans. (10/19-11/20)

### **WORK DONE PRIOR TO JOINING GEC**

**CHEROKEE STREET DRAINAGE IMPROVEMENTS:** New Orleans, LA. Project Engineer - Ms. Nissen was responsible for preparation of plans and specifications for roadway replacement, drainage improvements and Green Infrastructure on Cherokee Street in the southwest region of the City near Audubon Park. The proposed improvement project consisted of a new subsurface storm water system to address localized flooding along a two-block region of Cherokee Street. Green Infrastructure design elements of the project consisted of rain gardens with high performance modular bio-filtration systems at intersection radii and the use of permeable pavers with perforated pipe underdrain for parking lanes on each side of the roadway. (2016)

**AIRLINE PARK BOULEVARD REHABILITATION & DRAINAGE UPGRADE:** New Orleans, LA. Project Manager - Ms. Nissen performed preparation of plans, specifications and cost estimate for improvements to Airline Park Boulevard (500 feet North of Camphor to West Napoleon Ave). Responsibilities included horizontal and vertical geometry, storm sewer design, earthwork calculations and sequence of construction. (2018) (State Project No. H.011798)

**FILMORE NORTH GROUP B, FEMA RECOVERY ROADS PROGRAM:** New Orleans, LA. Project Engineer - As Project Engineer on this pavement reconstruction project for several streets in the Filmore Neighborhood, Ms. Nissen prepared the PS&E for the removal and replacement of exiting asphalt and concrete pavement and drainage structures, as well as replacement of waterline & sewer main. Plan development tasks included horizontal & vertical geometry, subsurface drainage design, and cross section development. (04/17-07/19)

**LA 1 IMPROVEMENTS GOLDEN MEADOW TO PORT FOURCHON:** Lafourche Parish, LA. Project Engineer - Ms. Nissen was responsible for preparation of the final line and grade study, preliminary roadway and right-of-way plans and construction cost estimate for an 8-mile segment of a 17-mile, 4-lane bridge structure to replace the existing LA 1 roadway. She was responsible for coordinating road and bridge designs including horizontal and vertical alignment, roadway tie-ins, major pipeline crossings and a levee crossing, scheduling, and interfacing with client, project subconsultants, governmental agencies and pipeline companies. (03/12-04/13) (S.P. No. H.004526)

**MT. PLEASANT BLVD. WIDENING (BARNETT ROAD TO LA 964) AND AMERICANA ROUNDABOUT:** Zachary, LA. Project Engineer - Ms. Nissen was responsible for the conceptual layout and subsequent final design for replacing approximately 7,000 feet of the existing 2-lane rural roadway with a 4-lane divided roadway with a raised median. Project included a double-lane roundabout for the proposed main entrance to the Americana Traditional Neighborhood Development (TND). She was responsible for roadway and roundabout geometrics, plan preparation and construction cost estimates. Also coordinated with the City, LADOTD, subconsultants, and Americana TND engineers. (03/14-01/15)

**HIGHWAY 64 BYPASS ROAD:** Zachary, LA. Project Engineer - Ms. Nissen was responsible for the design of approximately 4,300 feet of new 4-lane divided roadway with a 16-foot raised median, and 1,700 feet of 2-lane roadway. The project included the study and conceptual design of two double-lane roundabouts. She was responsible for plan preparation, construction cost estimates, determining right-of-way requirements for the roundabouts and coordinating with property owners. She coordinated with LADOTD and the subconsultant providing roundabout study and conceptual design. (03/13-02/14)

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

**CHRIS NIPPER, PE**, Road Design Engineer

PROJECT ASSIGNMENT:

Civil Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

**G.E.C., INC.**

YEARS' EXPERIENCE WITH THIS FIRM:

5 (7 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 2014 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

2019 / Louisiana Licensed Professional Civil Engineer No. 43281

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Nipper has 6 years of experience with civil design projects, including roadway widening and realignment, including those requiring drainage systems. In addition, he has designed projects requiring milling and overlay. He has experience performing hydraulic analyses and preparing associated hydraulics reports for bridge and roadway design projects. Prior to joining GEC, Mr. Nipper worked with LADOTD for over two years, affording him knowledge of their standards and guidelines required for roadway projects. He is also very familiar with AASHTO standards and guidelines.

### RELEVANT PROJECT EXPERIENCE

**US HWY 190 DRAINAGE CROSSING:** Livingston Parish, LA Road Design Engineer – This project involved the design of a concrete box culvert cross drain. This cross drain was being added alongside an existing box culvert in order to assist with drainage to alleviate backwater flooding. Mr. Nipper calculated the quantities and developed the construction plan documents. Mr. Nipper also assisted in the drainage analysis and design of the concrete box culvert. (06/20-10/20)

**WEST TAMMANY HILLS DRAINAGE:** Covington, LA. Project Engineer - Mr. Nipper has assisted in the delineation of drainage maps and hydraulic calculations. He was involved in the design of the subsurface drainage

systems and the roadway rehabilitation design. He also assisted in the development of the construction plans and associated quantities. (09/19-Present)

**CAMP COUSHATTA ROAD IMPROVEMENTS:** Allen Parish, LA. Designer - This project involved the design of a new road for the Coshatta Tribe of Louisiana. Mr. Nipper was the designer of the road, drainage structures/systems, and all associated quantities, and the creator of the construction plan set. The road consisted of two eleven foot lanes, with 3 foot outside aggregate shoulders, and ditches on both sides. A subsurface drainage system was designed that tied into an existing subsurface system. Two reinforced concrete box culverts were designed to facilitate the flow of local canals through the new roadway, and one of the canals was realigned. The quantities and estimated costs associated with the road and drainage systems were also calculated by Mr. Nipper. (09/17-12/18)

**LA SAFE AIRLINE AND MAIN COMPLETE STREETS:** LaPlace, LA. Road Design Engineer - Mr. Nipper provided the vertical and horizontal alignments for the project, as well as the design for Main St. He provided the hydraulic analysis needed to convert existing open ditches along the project into subsurface drainage systems to capture and slow runoff. Mr. Nipper also provided the estimated quantities and cost estimate. (09/19-Present)





## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

**MICHAEL CHIASSON, PE**, Senior Electrical Engineer

PROJECT ASSIGNMENT:

Electrical Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

**G.E.C., INC.**

YEARS' EXPERIENCE WITH THIS FIRM:

12 (45 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1973 / Electrical Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1979 / Louisiana Licensed Professional Electrical Engineer No. 17978

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Chiasson has over 36 years of experience in the design and development of process control and related systems. At GEC Mr. Chiasson has completed designs for several waste water lift stations and drainage pumping stations. At Dow Chemical, he was responsible for the preparation of plans and specifications (design and development) of process control engineering projects, from plans and specifications to final construction inspection. Other duties include reverse engineering the manufactured systems to understand how to modify the instruments for computer control and data collection. Calculations, field inspections, data collection, and report preparation were also parts of these projects. Mr. Chiasson is experienced with modeling, digital data filtering and simulation of control systems using tools in Excel and other 1st and 2nd order modeling techniques. He is also well versed in Fortran, Visual Basic, Microsoft Word, and Microsoft Excel.

### RELEVANT PROJECT EXPERIENCE

**DRAINAGE PUMP STATION UPGRADES:** Jefferson Parish, LA. Electrical Engineer - The Cousins 1, 2, & 3, Harvey, Whitney, Bayou Segnette, and Elmwood Pumping Stations projects involved automating both diesel and electric powered pumps to remove drainage water to prevent neighborhood flooding. The automation included sufficient remote controls so that pumps could

be operated from either inside the pump station or from a "safe house" location. The requirement meant adding additional instrumentation to diesel and electric pumps so that the pumps could be started, stopped or RPM variance as needed. Project included adding instrumentation to monitor both the inlet and outlet water levels near pumping stations. The project also included adding generator capacity to assure pumping stations could run regardless of Utility power. (2009-2012)

### STORMPROOFING FOR COUSINS AND ELMWOOD PUMP STATIONS:

Jefferson Parish, LA. Project Engineer: The project includes preparation of electrical plans and specifications for installation of redundant emergency generators, automation of five diesel engine driven pumps and ancillary systems, installation of a CCTV camera system and various improvements to electrical systems to provide protection from flood and wind damage. SCADA automation design included control of fuel systems, vacuum priming systems, compressed air systems, trash raking systems as well as sensors for monitoring pressure, RPM, fluid level, temperature, and motor current. Monitoring and control interface will be via HMI touch screen panels in each pump station and in the site safehouse.

### LAKESHORE VILLAGES & OAK HARBOR EAST UTILITY



## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

**MICHAEL CHIASSON, PE, *Continued Resume***

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

**WATER TREATMENT PLANT EXPANSION:** St. Tammany Parish, LA. Electrical Engineer: Includes design of improvements to the Lakeshore Estates development, including adding 450,000 gallon/day (GPD) capacity to the existing 500,000 GPD wastewater treatment plant. The expansion project included a 450,000 GPD extended aeration treatment plant, tertiary filter system, chlorination system, yard piping, and site work. GEC's design of wastewater pumping system consists of ten pumping stations serving 2,950 homes, 600 apartments, and additional commercial development. Planned pump station capacities range from 100 to 480 GPM. (2019-Present)

**SANITARY SEWER SYSTEM UPGRADES, SOUTH FORCE MAIN AND GRAVITY SYSTEMS, PUMP STATION 58A:** Baton Rouge, LA. Electrical Engineer of Record - This project included preparation of electrical, instrumentation, and controls plans and specifications for installation of six 4,170 GPM pumps in the dry weather pump station and six 12,500 GPM pumps in the wet weather pump station. Pumps will be additively started and speed ramped up to maintain the lift station water level. Pumps will rotate through a use profile to keep any one pump from constantly being overused. Pump speed for each submersible pump is controlled by variable frequency drives as dictated by the station PLC control system. The station PLC control system will select single or parallel generator operation based on the pumping demand to optimize generator loading. Testing criteria to validate construction meets specification requirements was included in this project. (2010-2014) (City-Parish 09-PS-US-001)

**BOOSTER PUMP STATION 514 REPLACEMENT:** Baton Rouge, LA. Electrical Engineer of Record - This project included preparation of electrical, instrumentation, and controls plans and specifications for installation of a new 80MGD submersible pump station and control building. The design includes six (6) 500 horsepower and two (2) 165 horsepower submersible pumps to handle wet and

dry weather flow. Pumps will be additively started and speed ramped up to maintain the lift station water level. Pumps will rotate through a use profile to keep any one pump from constantly being overused. Pump speed for each submersible pump is controlled by variable frequency drives as dictated by the station PLC control system. The pump station design also included an automatic transfer controller and provisions for parallel 1600kW generators (furnished under separate contract and installed in this project). The station PLC control system will select single or parallel generator operation based on the pumping demand to optimize generator loading. Testing criteria to validate construction meets specification requirements was included. (2015) (City-Parish 09-PS-MS-0034)

**SANITARY SEWER SYSTEM UPGRADES, NORTH STN FORCE MAIN SANITARY SYSTEM, HIGHWAY 61 - PLANK ROAD MULTIPLE PUMP STATION REPLACEMENT:** Baton Rouge, LA. Senior Control Engineer - Mr. Chiasson was responsible for the control system for the motors and for the sensors around the building. (2018) (City- Parish Project No. 11-PS-MS-0035)

**CLEARY AND W. NAPOLEON LIFT STATION RENOVATION:** Jefferson, LA. Electrical Engineer of Record - Mr. Chiasson designed and developed the electrical plans and specifications for the upgrading of existing equipment to two 67 HP dry well pumps operating on variable frequency drives, SCADA interface, and controls. (2017)

**OAK HARBOR EAST UTILITY – LAKESHORE ESTATES 300K WWTP EXPANSION:** Slidell, LA. Controls Engineer - Mr. Chiasson assisted in design of the power distribution system for a 300,000 gallon per day WWTP system including generator standby power system, area lighting, and construction support. (2018-2019)

**OAK HARBOR EAST UTILITY – LAKESHORE ESTATES 450K WWTP EXPANSION:** Slidell, LA. Controls Engineer - Mr. Chiasson is assisting with design of the power distribution system for a 450,000 gallon per day WWTP system. (2019-Present)

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

**MICKEY PRATTINI JR., PE**, Electrical Section Manager

PROJECT ASSIGNMENT:

Electrical Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

**G.E.C., INC.**

YEARS' EXPERIENCE WITH THIS FIRM:

6 (17 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 2004 / Electrical Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

2011 / Louisiana Licensed Professional Electrical Engineer No. 35993

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Prattini's more than 17 years of electrical design experience includes wastewater treatment facilities and lift stations, multiple pump motor installations in hazardous (classified) locations, generator installation projects, lighting, and multiple government (municipal and transportation) projects. Mr. Prattini is experienced with NFPA standards required by electrical projects and is capable of completing the design and project management related tasks required for this project. He has consistently managed client and stakeholder relations along with design challenges to produce quality deliverables in line with the project's delivery schedule. Mr. Prattini has been a Society of Fire Protection Engineers (SFPE) member since 2017.

### RELEVANT PROJECT EXPERIENCE

**COVINGTON COUNTRY CLUB SEWER REHAB:** Covington, LA. Construction Manager. GEC serves as the Consulting Engineer for the St. Tammany Parish Sewerage District No. 1 (District). The project was located in Covington Country Club Estates and consisted of CCTV existing sewer lines, performing CCIP lining in several lines, sewer point repairs, smoke testing, manhole rehabilitation, installation of two sewer force mains and the installation of a new sewer lift station. GEC completed the design and Mr. Prattini provided electrical design. (2021)



**CLEARY AND W. NAPOLEON LIFT STATION:** Jefferson, LA. Electrical Engineer of Record - Mr. Prattini designed and developed the electrical plans and specifications for the upgrading of existing equipment to two 67 HP dry well pumps operating on variable frequency drives, SCADA interface, and controls. (2017)

**OAK HARBOR EAST UTILITY, LAKESHORE ESTATES 300K WWTP EXPANSION:** Slidell, LA. Electrical Engineer of Record - Mr. Prattini designed the power distribution system for a 300,000 gallon per day WWTP system including generator standby power system, area lighting, and construction support. (2018-2019)

**STANDBY GENERATORS AT PARISH PUMP STATION (BIG BELLE TERRE, CAPT. BOURGEOIS, AND NED DUHE):** St John the Baptist Parish, LA. Project Manager & Electrical Engineer of Record - HMGP-funded project to install generators at three sewer lift station locations. Mr. Prattini is performing the project management duties, coordinating and tasking personnel, and overseeing the electrical design development. (2018-Present)

**OAK HARBOR EAST UTILITY, LAKESHORE ESTATES 450K WWTP EXPANSION:** Slidell, LA. Electrical EOR - Mr. Prattini designed the power distribution system for a 450,000 gallon per day WWTP system. (2019-Present)

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

**KEITH REBELLO, PHD, PE**, Senior Civil/Structural Engineer

PROJECT ASSIGNMENT:

Structural Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

**G.E.C., INC.**

YEARS' EXPERIENCE WITH THIS FIRM:

23 (30 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1983 / Civil Engineering; M.S. / 1986 / Civil Engineering; Ph.D. / 1990 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1983 / Louisiana Licensed Professional Civil Engineer No. 20903

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Dr. Rebello has 30 years of structural engineering experience following his research work on non-linear deformation behavior of pre-stressed concrete bridges. He has designed and managed a variety of structural projects involving drainage, water, and wastewater treatment facilities, hurricane protection systems complex interstate and highway bridges (new, replacement, rehabilitation and widening), retaining walls, noise walls, buildings, & hydraulic structures. He has experience in rating of bridges in accordance with LADOTD and AASHTO MBE requirements and performed ratings using AASHTOWare Bridge Rating (Virtis) software and finite element analysis.

### RELEVANT PROJECT EXPERIENCE

**TERRACE STREET DRAINAGE PUMP STATION RENOVATIONS:** Baton Rouge, LA. Structural Engineer - Project included hydrologic and hydraulic analyses of the upper reaches of the Corporation Canal Watershed and an evaluation of the existing pumping equipment and canal control intake structure. This project involved the replacement of the existing four (4) 84,000 GPM pumps with new vertical turbine pumps, and replacing the existing diesel engine drivers with 1,250 HP horizontal electric motors. The project also included replacing the adjusting Corporation Canal intake weir structure with a permanent concrete weir control structure. (Ongoing)



**FRONTING PROTECTION AT DUNCAN PUMPING STATION:** Jefferson Parish, LA. Structural Engineer - Dr. Rebello performed structural design calculations for T-walls, swing gate and fronting protection. The Duncan Canal Pump Station is located in Jefferson Parish on the drainage basin's East Bank of the Mississippi River. The project is to provide fronting protection across the entire width of the pumping discharge area. The designs consist of a combination of gate monolith and T-wall monoliths. (2009)

**NEW MADRID FLOODWAY PUMP STATION DRAINAGE STRUCTURES:** New Madrid Floodway, MO. Structural Engineer - Project consisted of a large pumping station for the Memphis District, U.S. Army Corps of Engineers, located in a zone of high seismicity. The pump station housed three (3) 225,000 GPM vertical pumps. Dr. Rebello was responsible for providing the strength and stability design for intake and outtake culvert sections, intake walls, 58'-0" tall outlet structure with operational gates, and a 65'-0" wide mass concrete stilling basin. Seismic design was performed using the Mononobe-Okabe analysis method. (2002)



## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

**BRIAN BUCKEL, PE**, Senior Vice President, Construction

PROJECT ASSIGNMENT:

Construction Administration

NAME OF FIRM WITH WHICH ASSOCIATED:

**G.E.C., INC.**

YEARS' EXPERIENCE WITH THIS FIRM:

9 (44 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1981 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1985 / Louisiana Licensed Professional Civil Engineer No. 21816

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Buckel joined GEC after 31 years of service with LADOTD where he served as chief construction engineer from 2006 to 2012, managing the Construction Section as well as policy setting of construction projects. Additionally, he served as district construction engineer for seven years, managing the seven parishes under District 02. Mr. Buckel served as an area engineer throughout the state of Louisiana for a seven years and was a project engineer in the New Orleans area for several years. As Chief Construction Engineer, he directed policy implementation, testing, and inspection of all asphalt pavement construction state wide. Building on his asphalt mix and laydown experience as project engineer and District Construction Engineer, he led the state into significant asphalt pavement innovations such as Superpave and warm mix. He also oversees construction inspection for all City of Baton Rouge street improvements projects for GEC's contract.

### RELEVANT PROJECT EXPERIENCE

**COVINGTON COUNTRY CLUB SEWER REHAB:** Covington, LA. Construction Manager - GEC serves as the Consulting Engineer for the St. Tammany Parish Sewerage District No. 1 (District). The project was located in Covington Country Club Estates and consisted of CCTV existing sewer lines, performing CCIP lining in several lines, sewer point repairs, smoke testing, manhole rehabilitation, installation of two

sewer force mains and the installation of a new sewer lift station. GEC completed the design and Mr. Buckel provided construction observation of the work. (2021)

**ST. BERNARD PARISH, GRAVITY SEWER PROJECT, AREA A:** St. Bernard Parish, LA. Mr. Buckel provided construction management, constructability reviews, and resident inspection services management for this FEMA-funded project involving cleaning, CCTV inspection, and construction repairs (350,000 LF of existing gravity sewers damaged by Hurricane Katrina). Cost: \$32M (2016)

**SANITARY SEWER SYSTEM UPGRADES, SOUTH FORCE MAIN AND GRAVITY SYSTEMS, PUMP STATION 58A, SGC-C-PS58A (STARING LANE – OVERFLOW PS):** Baton Rouge, LA. Construction Engineer - Mr. Buckel provided construction management, constructability reviews, and resident inspection services management for this project, commonly known as "PS 58A." Project included the replacement of the existing undersized 50-year-old wastewater pump station with a new 83,300 GPM wastewater submersible pumping station on Essen Lane near Ward's Creek. GEC also designed and prepared electrical plans and specifications for the installation of a new submersible lift station and control building. (2012-2014) (City-Parish Project No. 09-PS-US-001)





## 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:

**METAIRIE ROAD  
DRAINAGE EVALUATION  
(CAUSEWAY BLVD. TO  
FOCIS ST.)**

Jefferson Parish, Louisiana

*Client: Jefferson Parish  
Government, Neil  
Schneider, PE, 1221  
Elmwood Park Blvd., New  
Orleans, LA 70123, (504)  
736-6833*

NATURE OF FIRM'S RESPONSIBILITY:

GEC examined the existing drainage system along Metairie Road in Council District 5 and recommending improvements to the subject corridor to reduce flooding. GEC's scope included assembling base maps, preliminary drainage assessment, SWMM modeling, selecting alternatives, modeling and assessing selected alternatives, and preparing a final report.

The results of this project will be utilized by Jefferson Parish to develop future detailed design and construction projects to implement improvements as funding becomes available.



State of Louisiana

COMPLETION DATE (ACTUAL OR ESTIMATED):

02/21

ESTIMATED COST:

ENTIRE PROJECT:

N/A

WORK FOR WHICH FIRM WAS RESPONSIBLE:

\$ 240,776 (GEC Fees)

## 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. 2

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

**MAPLEWOOD  
DRIVE / PAILET  
STREET DRAINAGE  
IMPROVEMENTS**

Jefferson Parish, Louisiana

*Client: Jefferson Parish  
Government, Reda  
Youssef, 1221 Elmwood  
Park Blvd., New Orleans,  
LA 70123, (504) 736-6833*

NATURE OF FIRM'S RESPONSIBILITY:

This project provided major improvements to the sub-surface storm drainage system in the Maplewood/Paillet residential area in Harvey, LA.

GEC's portion of the project included work on Dogwood Dr., Maplewood Dr., Redwood St., 6th St., and 7th St. Work in the GEC project area included removing and replacing 3,000 linear feet of concrete roadway, 2,750 linear feet of new 24" to 84" reinforced concrete drain pipes, and related water and sewerage systems restoration.

GEC's work on the project was performed as a sub-consultant. GEC's professional services included drainage calculations, preparation of preliminary and final plans, bidding phase, and construction phase services. GEC was responsible for approximately one third of the overall project area.



COMPLETION DATE (ACTUAL OR ESTIMATED):

2017

ESTIMATED COST:

ENTIRE PROJECT:

\$ 10,221,545 (Estimated)

WORK FOR WHICH FIRM WAS RESPONSIBLE:

\$ 152,200 (GEC Fees)

## 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. 3

PROJECT NAME, LOCATION AND  
OWNER'S CONTACT  
INFORMATION:

**WEST TAMMANY HILLS  
DRAINAGE**

Covington, Louisiana

*Client: St. Tammany  
Parish Government,  
21454 Koop Dr.,  
Mandeville LA., 70471,  
Truman D. "Trip" Sharp,  
III, (985) 898-2557*

NATURE OF FIRM'S RESPONSIBILITY:

GEC is currently providing engineering services for the West Tammany Hills Drainage project in Covington, Louisiana, including survey, drainage report, geotechnical report, and preliminary plans. The project focus area is drainage along Quincy Avenue between K Street and 5th Street; however, GEC is providing an assessment of the entire drainage basin to determine whether improvements are necessary on the downstream outfall (lateral 3-LW1-36 and a portion of A Street between Henry Clay Avenue and Quincy Avenue) and Henry Clay Avenue.

GEC is reviewing existing data and drainage studies in the area and provide engineering services as required to generate a new drainage report highlighting deficiencies in the existing drainage system. The report shall include photos, maps, calculations, and recommendations of proposed drainage improvements. GEC is performing a hydrologic and hydraulic analysis in accordance with the current edition of the LADOTD Hydraulics Manual. The drainage report will be reviewed and approved by the Parish.

GEC's road design services include pavement structural design for rehabilitated and/or reconstructed sections and preliminary and final roadway design and plan development GEC is generating preliminary plans for road and drainage improvements, including determine if there are any environmental impacts requiring permits and provide subsequent opinions of probable cost. This task includes road design and hydraulic design.

Upon completion of preliminary plans, the Parish has the option to proceed to the environmental permitting, final plans and specifications, and bidding and contracting phases of the project. In the environmental phase, GEC will be responsible for environmental and permitting services needed to complete the project, including Wetland permits (404 and Nationwide) and Section 10 permits from USACE. Final plans and specifications will include detailed opinion of probable cost and bid documents in Parish format.

Finally, GEC will also work with the Parish to finalize plans and specifications into the Parish front-end documents and format for bidding, address request for information (RFIs) during the bidding process, attend and document pre-bid meeting, review and tabulate bids, and make recommendation on acceptance of bids as required.

COMPLETION DATE (ACTUAL OR  
ESTIMATED):

Ongoing

ESTIMATED COST:

ENTIRE PROJECT:

\$ 874,000 (Estimated)

WORK FOR WHICH FIRM WAS RESPONSIBLE:

\$ 321,764 (GEC Fees)



## 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. 4

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

**BROAD STREET UNDERPASS PUMPING STATION REPAIRS AND UPGRADES**

New Orleans, Louisiana

*Client: Sewerage & Water Board of New Orleans,  
625 St Joseph St., New Orleans, LA 70165, Reid Dennis, (504) 865-0652*

NATURE OF FIRM'S RESPONSIBILITY:

On August 29, 2005, Hurricane Katrina caused extensive damage to ten (10) railroad underpass drainage pumping stations in the city of New Orleans. In 2011, GEC was selected to design the necessary repairs and upgrades to all ten (10) drainage pumping stations, including at the Broad Street Drainage Underpass Pumping Station. This typical drainage pumping station is located on N. Broad Street and is bounded by Florida Avenue and the railroad. GEC managed design, bidding, construction administration, and resident inspection services.

GEC's design included the removal of mud and debris from the wet well and from the 36" and 21" drain lines upstream of the wet well. GEC also designed the replacement of stormwater pumps, motors, and sump pumps along with new control panels and associated piping. The Broad Street project required the removal, rewinding, and reconditioning the existing motors, removal and replacement of the existing roof, and the installation of new single hung windows, a new exhaust fan and louver, and replacement of the spiral staircase.

GEC also developed a traffic control plan and assisted in obtaining permits from the railroad for use of railroad right-of-way and from the USACE for electrical wiring which is routed through the flood wall right-of-way.



COMPLETION DATE (ACTUAL OR ESTIMATED):

2019

ESTIMATED COST:

ENTIRE PROJECT:

\$ 992,000 (Estimated)

WORK FOR WHICH FIRM WAS RESPONSIBLE:

\$ 238,500 (GEC Fees)

## 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. 5

PROJECT NAME, LOCATION AND  
OWNER'S CONTACT  
INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

**ENGINEERING  
SERVICES FOR TERRACE  
STREET DRAINAGE  
PUMP STATION  
(RENOVATIONS AND  
IMPROVEMENTS)**

Baton Rouge, Louisiana

*Client: City-Parish of East  
Baton Rouge, Thomas  
Stephens, PO Box 1471,  
Baton Rouge, LA, (225)  
389-3186*

GEC performed a hydrologic and hydraulic analysis of the 4,800 acre Corporation Canal/ Bayou Duplantier Watershed and evaluated the effectiveness of the 43 year old drainage pumping station in reducing flood levels in the drainage basin north of LSU's Campus. The pump station is located on River Road near the Old City Dock in Baton Rouge, Louisiana.

The intake structure is located on the upper reach of Corporation Canal and pumps excess storm water over the Mississippi River Levee to discharge into the Mississippi River. Based on the evaluation of the existing pumping equipment, pumping scheme, and because of environmental concerns (due to the location of the pump station near the newly constructed LSU Water Campus Complex), it was determined to replace the existing pumps and diesel engine drivers with four (4) new 84,500 GPM vertical turbine pumps and four (4) 1,250 HP horizontal electric motors, and replace the existing sluice gate control structure with a permanent concrete weir/orifice structure. Upon completion of the project, the pumping station will have a total pumping capacity of 753 CFS or 338,000 GPM.

GEC's responsibilities include demolition and replacement of the existing pump station building with a new building, incorporating the re-routing of the Mississippi River Levee Bike Path into the construction plans, performing all hydraulic, structural, mechanical, piping, electrical design work, and preparing contract technical specifications and bid documents. Additionally, in order to reduce project construction costs and accelerate construction time, GEC also prepared separate procurement public bid documents for the acquisition of the pumps, motors, right angle gear drives, and variable frequency drives for the future installation by the general contractor.



COMPLETION DATE (ACTUAL OR  
ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

Ongoing

\$ 4,500,000 (Estimated)

\$ 459,628.34 (GEC Fees)



## 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. 6

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

#### **LAPLACE HEIGHTS DRAINAGE**

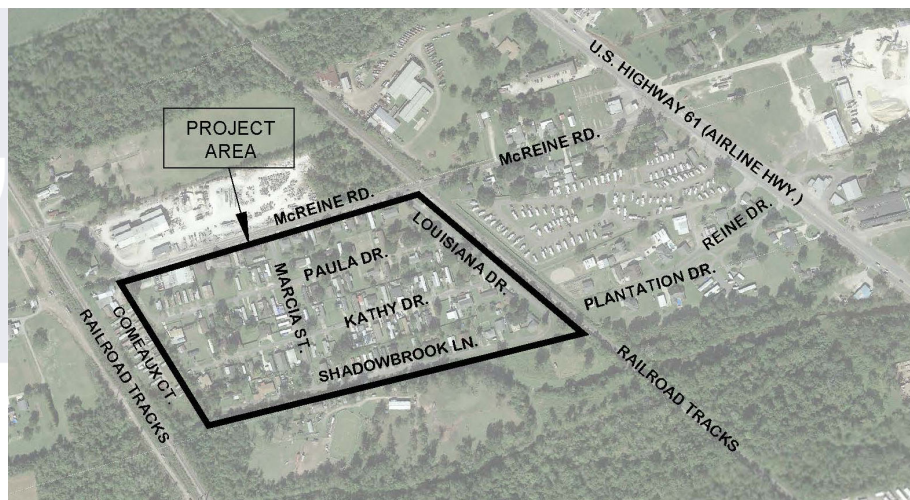
St. John the Baptist Parish, Louisiana

*Client: St. John the Baptist Parish, 1801 W Airline Hwy., Laplace, LA 70068, Brian Nunes, PE, (985) 652-4815*

NATURE OF FIRM'S RESPONSIBILITY:

This HMGP-funded project consisted of investigating and designing improvements to the storm water drainage within the Laplace Heights subdivision in Laplace, Louisiana. The original drainage system consisted of an inadequate system of driveway culverts and open ditches that experience frequent flooding. GEC's scope included demolition of the existing driveway culverts and design of drainage improvements, including a subsurface drainage system outfalling into an existing canal. A bid alternate was included to replace the existing canal along the south side of the project with subsurface drainage.

The project included design of approximately 11,200 linear feet (LF) of 12" diameter to 54" diameter storm drain pipe and drainage structures, cleaning and shaping 1,700 LF of ditches and canals, and restoration work. GEC's design services were completed in 2017. The project is awaiting direction from the funding agency to proceed to construction.



COMPLETION DATE (ACTUAL OR ESTIMATED):

2017

ESTIMATED COST:

ENTIRE PROJECT:

\$ 1,968,100 (Estimated)

WORK FOR WHICH FIRM WAS RESPONSIBLE:

\$ 188,938.67 (GEC Fees)

## 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. 7

PROJECT NAME, LOCATION AND  
OWNER'S CONTACT  
INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

**FLEUR DE LIS BLVD.  
RECONSTRUCTION  
(INTERSTATE HWY. 610  
TO OLD HAMMOND  
HIGHWAY), PHASES I-III**  
New Orleans, Louisiana

*Client: City of New  
Orleans, Alan Weber,  
1300 Perdido Street, New  
Orleans, LA, (504) 658-  
8000, aweber@cityofno.  
com*

The original Fleur de Lis Drive, constructed in two phases in the 1950s and 1960s, had undergone significant differential settlement from the weak near surface soils in the region, due to additional, improved drainage elsewhere in the region. The City of New Orleans conducted studies to determine if patching and overlay would remedy these issues for this divided, urban arterial roadway; however, studies revealed that the roadway was in such poor condition that only a reconstruction project would provide a long term solution.

The City selected GEC to design this major, 8,350 linear feet (1.57 miles) reconstruction project, separated into three phases due to funding constraints. The majority of construction was federally funded. Because the corridor was bounded by residential development, significant attention was given to pedestrian access during construction.

GEC prepared a master drainage collection system analysis prior to design, which was submitted to and approved by LADOTD and the New Orleans Dept. of Public Works. The drainage analysis resulted in the complete reconstruction of over 17,000 linear feet of reinforced concrete subsurface drain lines ranging in size from 12 inch diameter to 36 inch diameter. The new drainage system included 2,140 LF of 12", 11,000 LF of 15", 311 LF of 18", 156 LF of 21", 1,060 LF of 24", 140 LF of 27", 2,020 LF of 30", 200 LF of 36", and 180 LF of 36" diameter pipe. GEC's design also included complete reconstruction of the sewer collection system and water mains. All plans and specifications were submitted to and approved by the Louisiana Department of Transportation and Development (LADOTD), the Federal Highway Administration (FHWA), the Sewerage and Water Board of New Orleans (S&WB), and City of New Orleans Department of Public Works. All design was in accordance with AASHTO, FHWA, and LADOTD requirements.

COMPLETION DATE (ACTUAL OR  
ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

2018

\$ 28,000,000 (Estimated)

\$ 850,000 (GEC Fees)

## 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. 8

PROJECT NAME, LOCATION AND  
OWNER'S CONTACT  
INFORMATION:

**PALMISANO BLVD.  
IMPROVEMENTS**

Chalmette, Louisiana

*Client: St. Bernard Parish  
Government, Matthew  
Falati, PE, Director of  
Public Works, 8201  
W. Judge Perez Drive,  
Chalmette, LA 70043,  
(504) 278-4314, mfalati@  
sbpg.net*

NATURE OF FIRM'S RESPONSIBILITY:

GEC was selected by the St. Bernard Parish Government to provide professional engineering services for the design and construction administration of a concrete multi-use path, roadway and bridge replacement, and drainage improvements on Palmisano Boulevard in Chalmette.



For this HMGP-funded project, GEC provided project management services associated with the design and construction of drainage repairs and improvements, including increased drainage station pumping capacity for an area of Palmisano Blvd. near Plaza Drive. The purpose of this project was to relieve an area approximately 100 acres in size from recurrent ponding during normal rainfall events. Improvements included upgrading the existing pump station to 30,000 GPM drainage pump station, installation of 4,400 l.f. of 1x6 box culverts, and re-shaping 1,800 l.f. of existing ditch.

The Palmisano drainage system consists of more than 100 acres of land that drains over ground surface through storm drain pipe and is directed via pump to an earthen ditch. The ditch runs approximately 4,900 feet to the 20 Arpent Canal. The improvements provide protection under the 100 year flood guidelines for the area surrounding Palmisano Blvd., which had been impacted by drainage problems following Hurricane Katrina. FEMA provided federal assistance through the Hazard Mitigation Grant Program (HMGP) to reduce or eliminate the long term risk to people and property from such natural hazards. GEC also completed the application package for FY10 LCDBG Drainage Improvements. GEC designed improvements to the drainage system encompassing Plaza Dr. and Palmisano Blvd. from E. St. Bernard Hwy. to the outfall on the 20 Arpent Canal, including improvements to the lift station, which required a new concrete foundation and adjacent concrete pavement.

GEC also designed upgrades of the pumping station's outfall into the Palmisano drainage system to relieve the recurring ponding during rainfall events. Improvements included increased pumping station capacity and modifications to the drainage ditch on St. Bernard Highway. GEC completed all hydraulic modeling using ICPR software and SCS methods. In addition, GEC designed the replacement of the undersized culverts below St. Bernard Hwy. by installing 400' of 58" x 36" RCPA, approximately 2,000 L.F. of 8'x 4' and 2,500 L.F. of 10'x 6' pre-cast concrete box culverts in the open ditch along Palmisano Blvd. The drainage

## 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. 8

### PALMISANO BLVD. IMPROVEMENTS

*continued*

improvements were completed utilizing concrete in various functions, including concrete drainage station structure, installation of reinforced concrete pipe conflict boxes, precast concrete box culverts to replace the existing canal along the east side of Palmisano Blvd., and concrete pavement for streets, catch basins, curbs, crosswalks, and a shared use path.

Project coordination between LADOTD, St. Bernard Parish Government Department of Public Works, and Chalmette High School was essential to complete the project on time and within budget. All design was in accordance with AASHTO, LADOTD, and NACTO requirements.

In September 2020, the ACEC of Louisiana Engineering Excellence Awards Judges Panel selected the Palmisano Boulevard Improvements project as a Grand Award Category Winner for the Water Resources Category. The American Concrete Institute (ACI) Louisiana Chapter selected GEC for the 2018 Flatwork Project Award of Merit in recognition of outstanding and innovative use of concrete products on this project.



COMPLETION DATE (ACTUAL OR ESTIMATED):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
2018	\$ 6,793,000 (Estimated)	\$ 414,000 (GEC Fees)



## 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. 9

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

**INFRASTRUCTURE  
REPAIR PROGRAM,  
AREA 10, 6TH STREET  
SOUTH (SXSS)**

Biloxi, Mississippi

*Client: City of Biloxi, 140  
Lameuse St., Biloxi, MS  
39533, Walt. A. Rode,  
Program Manager,  
Infrastructure Repair  
Program, 228.224.8494,  
wrode@biloxi.ms.us*

On August 29, 2005, Hurricane Katrina damaged a significant amount of the infrastructure in the City of Biloxi. In response to the damage, FEMA granted repair funds to the City. In 2010, the City, through a competitive selection process, selected GEC to provide professional services for the repair of pavement and related sewer, water, and drainage systems. The project also includes the design and construction of a new wastewater pumping station to consolidate existing damaged pump stations.

GEC designed the Area 10, 6th Street South portion of the Biloxi Infrastructure Repair Program for storm drainage systems improvements and design, water distribution system improvements, sewage collection system improvements, pump station design, and road improvements design. The water distribution system design consists of 12,225 linear feet of 6", 8", 12", and 16" diameter water mains including fire hydrants and valves. The project consists of civil engineering for an area entailing roughly 175 acres with more than 5 miles of roadway, utilities, and drainage improvements including subsurface sewer and drain pipes, and one 8,000 GPM \$2.4M sewer pumping station. Construction of the lift station was completed in 2016.

GEC services include: attending meetings, researching and obtaining field information, topographic survey, drainage analysis, determining additional R/W requirements, compiling an engineer's estimate, and construction administration duties. Deliverables include: detailed plans and specifications for conceptual design, preliminary design, final design, and construction phase documents. Plans include: summary of quantities, typical sections, general notes and details, removal plans, water and sewer plan and profile sheets, pavement and drainage plan and profile sheets, cross sections, drainage analysis, design calculations, traffic control plans, pavement marking plans, intersection details, and SWPPP and details. The program is funded by the Federal Emergency Management Agency (FEMA) and must be in compliance with FEMA's Public Assistance Guide (FEMA 322).



COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

Ongoing

\$ 16,000,000 (Estimated)

\$ 845,400 (GEC Fees)

## 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. 10

PROJECT NAME, LOCATION AND  
OWNER'S CONTACT  
INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

**COLUMBIA PARC CITY  
STREETS AND CLINIC/  
GYM PARKING**

New Orleans, Louisiana

*Client: City of New  
Orleans, Xavier A. Chavez,  
1300 Perdido Street, New  
Orleans, LA 70112, (504)  
228-0374 (Columbia  
Residential, Christina  
Davis)*

In the late 1990s, the City of New Orleans began planning the redevelopment of the St. Bernard neighborhood public housing complex, which was constructed in the 1940s and in a non-repairable state. An opportunity arose shortly after Hurricane Katrina when a private developer was chosen to construct and manage the redevelopment that would help revitalize the neighborhood.

GEC was chosen to provide professional services including planning, design, and construction administration for the demolition and reconstruction of approximately 12,350 linear feet of existing city streets for the new housing which would become known as the Columbia Parc housing revitalization. The new housing included 426 new modern residential units to replace the dilapidated units. GEC's design conformed to the City of New Orleans standard street cross section and included new ADA-accessible intersections. The project was constructed in three phases.

The \$12M infrastructure improvements, consisting of new landscaping, green infrastructure, sewer and water systems, street paving, and street lighting, were designed in accordance with requirements of the City and Sewerage and Water Board of New Orleans. Plans and specifications were submitted to and approved by the City of New Orleans Dept. of Public Works and NOSWB.

In 2017, GEC performed civil and landscape architectural services related to a new clinic and gym at Columbia Parc. GEC prepared a stormwater analysis in accordance with recently implemented City codes to address stormwater management and drainage design. GEC's design included over 38,450 square yards (7,500 cubic yards) impervious portland cement concrete roadways, driveways, aisles, and parking spaces. Approximately 12,800 cubic yards of crushed stone was required for the pavement base course.

The new utilities included approximately 10,500 linear feet of 8" and 12" diameter water mains, 8,600 linear feet of 8" diameter sewer mains, and 6,800 linear feet of 15", 18", 21", and 24" diameter concrete drain pipe. The sewer and water systems were designed and constructed in accordance with requirements of the Sewerage and Water Board of New Orleans. Plans and specifications were submitted to and approved by the City of New Orleans Department of Public Works and the Sewerage and Water Board of New Orleans.

To comply with the new stormwater codes, drain inlets from the parking lot lead to bioretention basins featuring plantings focused on native trees, grasses, sedges, and rushes. The new bioswales provide habitat, biodiversity, beauty, and a significant increase of on-site stormwater retention relative to conventional drainage systems. The landscape design also included street trees and parking island plantings.

GEC's professional services included construction phase administration including review of

## 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. 10

### COLUMBIA PARC CITY STREETS AND CLINIC/GYM PARKING

*continued*

testing laboratory reports, field inspection reports, contractor's payment request, and final inspection of completed work. Upon completion, the work was accepted by the City of New Orleans and the Sewerage and Water Board of New Orleans.

The following streets were designed and reconstructed as part of this work:

- St. Bernard Avenue to Hamburg Street, including:
  - Senate Street
  - Milton Street
  - St. Dennis Street
  - Sere Street
  - Caton Street
- Jumonville Street to Hamburg Street, including:
  - Foy Street
- Senate Street to Sere Street
  - Hamburg Street
  - Gibson Street
  - Duplessis Street
- Senate Street to Foy Street, including:
  - Jumonville Street



COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

Ongoing

\$ 7,100,000 (Estimated)

\$ 550,000 (GEC Fees)

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### M. LIST ALL PRIOR AND/OR ON-GOING LITIGATION BETWEEN FIRM AND JEFFERSON PARISH. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

PARTIES:		STATUS/RESULT OF CASE:
PLAINTIFF:	DEFENDANT:	
1. N/A		
2.		
3.		
4.		

### N. USE THIS SPACE TO PROVIDE ANY ADDITIONAL INFORMATION OR DESCRIPTION OF RESOURCES SUPPORTING FIRM'S QUALIFICATIONS FOR THE PROPOSED PROJECT.

## Routine Engineering for Drainage Projects

### STATEMENT OF QUALIFICATIONS

G.E.C., Inc. (GEC) appreciates the opportunity to offer Jefferson Parish a highly capable and experienced professional team to provide routine engineering consulting services for drainage projects.

Since 1986, GEC has grown into a firm offering project management and comprehensive, multidisciplinary project planning, design, and implementation services for public and private clients nationwide. The diverse resources of the company include project management, design and construction engineering, economic analysis, environmental and ecological sciences, and GIS applications. We are committed to providing engineering services to Jefferson Parish on time and within budget to effectively accomplish the goals of this project.

Our staff includes licensed professional engineers with national prominence to provide professional engineering services. GEC supports municipalities and local governments in the planning, design, and rehabilitation of infrastructure and other public facilities systems vital to enhance the quality of life of residents of Jefferson Parish.

***We have thoroughly reviewed the solicitation and feel confident GEC has the broad experience and full array of personnel necessary to complete all services described in the Request for Qualifications.***


### FIRM OVERVIEW

GEC has maintained an office in Jefferson Parish on Causeway Blvd. in Metairie since 2008.

Through the acquisition of Krebs, LaSalle, LeMieux Consultants, Inc. (KLL) in 2011, GEC has had a presence in Jefferson Parish since 1967.

Established in 1986 in Baton Rouge, GEC is a shareholder-owned corporation with additional offices in California and Florida and over 100 employees providing civil, electrical, mechanical, construction, environmental, and coastal engineering, planning, inspection, and more.

### O. TO THE BEST OF MY KNOWLEDGE, THE FOREGOING IS AN ACCURATE STATEMENT OF FACTS.

SIGNATURE:  PRINT NAME: Sherri LeBas, PE

TITLE: Senior Vice President DATE: March 31, 2022



## Minimum Requirements for Selection

### ROUTINE ENGINEERING SERVICES

**GEC has the local, state and regional experience to meet the needs of the Parish for task orders arising from this as-needed contract. Our firm meets or exceeds all minimum requirements for selection as demonstrated by our numbered responses below.**

THE PERSON OR FIRM SUBMITTING A STATEMENT OF QUALIFICATIONS SHALL HAVE THE FOLLOWING MINIMUM QUALIFICATIONS:

1. ONE PRINCIPAL WHO IS A PROFESSIONAL ENGINEER WHO SHALL BE REGISTERED AS SUCH IN LOUISIANA

2. A PROFESSIONAL IN CHARGE OF THE PROJECT WHO IS A PROFESSIONAL ENGINEER WHO SHALL BE REGISTERED AS SUCH IN LOUISIANA WITH A MINIMUM OF FIVE (5) YEARS EXPERIENCE IN THE DISCIPLINES INVOLVED

3. ONE EMPLOYEE WHO IS A PROFESSIONAL ENGINEER REGISTERED AS SUCH IN LOUISIANA IN THE FIELD OR FIELDS OF EXPERTISE REQUIRED FOR THE PROJECT (A SUB-CONSULTANT MAY MEET THE REQUIREMENT ONLY IF THE ADVERTISED PROJECT INVOLVES MORE THAN ONE DISCIPLINE.)

Sherri LeBas joined GEC after 30.5 years in state service in Louisiana. Her work experience includes the Louisiana Department of Transportation and Development (LADOTD) as well as the Louisiana State Division of Administration, Facility Planning and Control. Ms. LeBas spent the last 6 years of her state career as Secretary of LADOTD from 2010 to 2016 and understands the components of the successful delivery of projects including the management of the preconstruction phases and identification of funding sources and timing of the cash flow required. Currently, Ms. LeBas is Assistant Project Manager for the I-10 Widening CMAR Project in Baton Rouge. She is a licensed Civil and Environmental Professional Engineer in Louisiana.

Michael Hattaway, a senior civil and environmental design engineer with 40 years of experience, fills a number of roles for GEC. During his career, he has managed various programs and projects, including sewer, water, and drainage projects for the Cities of New Orleans, Slidell, Covington, Mandeville, and LaPlace, and the Parishes of Jefferson, St. Charles, St. Tammany, and St. John the Baptist. Design experience includes plans and specifications for bulkheads, canals, drainage pumping stations, wastewater treatment and collection systems, water production and distribution systems and marinas. He has served as consulting engineer for the City of Harahan, multiple public utility districts in Louisiana and Mississippi, and Drainage Districts Nos. 2, 4, and 5 in St. Tammany Parish. He is a licensed Civil & Environmental Professional Engineer in Louisiana.

STAFF NAME	YEARS OF EXPERIENCE	LICENSE NO. (DISCIPLINE)
Sherri LeBas, PE	36	LA PE No. 23844 (Civil/Environmental)
Cary Bourgeois, PE	37	LA PE No. 23414 (Civil)
Michael Hattaway, PE	42	LA PE No. 18672 (Civil/Environmental)
Jerome Klier, PE	53	LA PE No. 11591 (Civil)
Jerome Lohmann, PE	38	LA PE No. 24673 (Civil)
Alison Nissen, PE	24	LA PE No. 28801 (Civil)
Chris Nipper, PE	7	LA PE No. 43281 (Civil)
Michael Chiasson, PE	45	LA PE No. 17978 (Electrical)
Mickey Prattini Jr., PE	17	LA PE No. 35993 (Electrical)
Keith Rebello, PhD, PE	30	LA PE No. 20903 (Civil)
Brian Buckel, PE	44	LA PE No. 21816 (Civil)

## Professional Qualifications

### ROUTINE ENGINEERING SERVICES

## EVALUATION CRITERIA

1) PROFESSIONAL TRAINING AND EXPERIENCE IN RELATION TO THE TYPE OF WORK REQUIRED FOR THE ROUTINE ENGINEERING SERVICES - 35 POINTS

As noted herein, GEC has dozens of professionals experienced in the areas of hydrology, hydraulics, open channel modeling, drainage, flood protection and flood control systems, and other structures that primarily support civil works type programs for Federal, state and local governments, as well as the private sector. We offer Jefferson Parish a broad range of experience to help execute routine drainage improvement projects.

GEC has successfully completed several drainage and flood studies, as well as designed many drainage projects in urban systems contexts for several municipal clients, including Jefferson Parish and St. Tammany Parish. For the Sharp Road project in Mandeville, GEC is providing preliminary and final construction plans for subsurface drainage installation, roadway improvements, and sidewalk construction.

In addition, for the Columbia Parc development, GEC provided planning, design and construction administration for the demolition and reconstruction of approximately 12,350 linear feet of existing city streets for the City of New Orleans.

### DRAINAGE PROJECTS



**Michael Hattaway, PE**  
Professional-in-Charge



**Sherri Lebas, PE**  
Principal-in-Charge



**Cary Bourgeois, PE**  
QA/QC



**Jerome Klier, PE**  
Civil Engineer



**Jerome Lohmann, PE**  
Civil Engineer



**Alison Nissen, PE**  
Civil Engineer



**Chris Nipper, PE**  
Civil Engineer



**Michael Chiasson, PE**  
Electrical Engineer



**Mickey Prattini JR., PE**  
Electrical Engineer



**Keith Rebello, PhD, PE**  
Structural Engineer



**Brian Buckel, PE**  
Construction Engineer

## EVALUATION CRITERIA

2) CAPACITY FOR TIMELY COMPLETION OF NEWLY ASSIGNED WORK, CONSIDERING THE FACTORS OF TYPE OF ROUTINE ENGINEERING TASK, CURRENT UNFINISHED WORKLOAD, AND PERSON OR FIRM'S AVAILABLE PROFESSIONAL AND SUPPORT PERSONNEL - 20 POINTS

For over 35 years, GEC has had an exemplary reputation for on-schedule work. Our large staff of professionals (both here and elsewhere in the region) gives us the flexibility needed to meet challenging deadlines. In selecting GEC, Jefferson Parish opts for a firm with a proven record of delivering projects on schedule.

GEC consistently completes project tasks in a time commensurate with a task's complexity. As part of the Louisiana TIMED Management (LTM) Joint Venture, GEC was a key contributor in accelerating the turnkey delivery of more than 260 miles of new highway construction from a 30-year schedule to 10 years, and then further accelerating the 10-year schedule to 8 years. Our staff utilizes various methods to manage multiple large projects simultaneously and meet deadlines under an aggressive schedule. Some of the various ways we perform this task include using a team approach, coordinating tasks between offices, relying on our knowledge of Local, State and Federal Regulations, employing staff that is proficient in multiple fields and following a company-wide Quality Control/Quality Assurance plan.

GEC employs over 20 Louisiana licensed professional engineers with a support staff of technicians and administrative professionals, all of whom are readily available to meet the needs of this project.

3) LOCATION OF THE PRINCIPAL OFFICE - 15 POINTS

GEC has maintained a permanent office in Jefferson Parish since 2008 located at 3445 N. Causeway Blvd. in Metairie, Louisiana, allowing us access to all of Jefferson Parish. Any staff utilized outside of our Metairie office will coordinate directly with Metairie staff as has been done on several previous projects.

GEC's network infrastructure incorporates a decentralized wide area network spanning multiple offices and support for employees telecommuting or working in remote locations. All sites are interconnected using secured tunnels that are encrypted and deploy the most current technologies for deep packet inspection methods which scan and filter malicious packets.

All network nodes are monitored and can be accessed remotely to provide end user support when necessary. The integrity of the network is secured against the latest threats including malware and ransomware utilizing a multi-layered security strategy alongside multi-backup and off-site storage for critical data and applications. This ensures no delay in communication between office locations so that all employees can coordinate seamlessly on projects.

4) ADVERSARIAL LEGAL PROCEEDINGS BETWEEN THE PARISH AND THE PERSON OR FIRM PERFORMING PROFESSIONAL SERVICES - 15 POINTS

There are no current nor any prior adversarial legal proceedings between Jefferson Parish and GEC. In addition, GEC has never had a claim against it by Jefferson Parish or any other client for unsatisfactory work. GEC has never been disqualified or disbarred by any public agency from public contracts. There are neither past nor pending litigation or claims that would affect GEC's performance of this contract.

## EVALUATION CRITERIA

5) PRIOR SUCCESSFUL COMPLETION OF PROJECTS OF THE TYPE AND NATURE OF ROUTINE ENGINEERING SERVICES, AS DEFINED, FOR WHICH FIRM HAS PROVIDED VERIFIABLE REFERENCES - 15 POINTS

GEC has an excellent record of performance of engineering services contracts for various State, Local and Federal agencies. Our performances have produced professional consulting services on time and within budget without delays or controversy. We maintain an excellent reputation, and have performed similar work for Jefferson Parish in addition to many local agencies. We encourage the selection committee to contact references for all projects listed in Section L.

“

Under Mr. Bourgeois' guidance, GEC has provided an array of engineering services to us. Throughout my tenure, GEC's services have been prompt, thorough, accomplished our goals, and within budget.”

*Greater New Orleans Expressway Commission,  
Carlton Dufrechou*



*Cleary and West Napoleon Lift Station, Metairie*

6) SIZE OF FIRM, CONSIDERING THE NUMBER OF PROFESSIONAL AND SUPPORT PERSONNEL REQUIRED TO PERFORM THE TYPE OF ROUTINE ENGINEERING TASKS – 10 POINTS

GEC currently has ample staff available to work either full or part time on this project assigned by Jefferson Parish, from our Metairie office on Causeway Blvd. As shown in Section E of this proposal, our staff of over 100 includes professionals and support personnel. Many have advanced degrees with over 25 years of experience with drainage design throughout Louisiana.



## EVALUATION CRITERIA

7) PAST PERFORMANCE BY PERSON  
OR FIRM ON PARISH CONTRACTS -  
10 POINTS

GEC has managed hundreds of projects for Jefferson Parish with an excellent track record of previous work with the Parish. Our staff maintains valued working relationships with Parish staff, affording us the opportunity to provide ongoing services to the Parish.

### **SAMPLING OF PARISH PROJECTS COMPLETED BY GEC**

- Modifications to F6-13 (Cleary & West Napoleon) Lift Station Improvements and New Effluent Force Main
- Nicole Blvd. Bike Path
- West Napoleon Avenue (Houma Blvd. to Harvard Ave.)
- West Napoleon/Causeway Blvd. Intersection Improvements
- Causeway Blvd. Overlay (Bore Street to West Napoleon Avenue)
- North Causeway Blvd. Overlay (17th Street to 6th Street)
- Jefferson Parish Submerged Roads Repairs (Council District 5)
- Clearview Parkway Capacity Improvements (Jefferson Highway to I-10)
- Airline Highway Lighting
- Clearview Parkway Capacity Improvements
- Westbound Veterans Blvd. Resurfacing
- Metairie Road Drainage Evaluation

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*We appreciate the Selection Committee's review of our extensive qualifications and look forward to the opportunity to work with Jefferson Parish on this as-needed contract.*

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

Name:	Public Address:
G. E. C., Inc.	Mr. Jim Mitchell
	8282 Goodwood Boulevard
	Baton Rouge,LA 70806

**License/Certificate Information w/ Supervision**

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001917	ACTIVE	11/15/1994	03/31/2023	Mr. Cary Allen Bourgeois # PE.0023414 - Active Ms. Sherri Hammond LeBas # PE.0023844 - Active

