Statement of Qualifications

RESOLUTION NO. 138812

ROUTINE ENGINEERING SERVICES FOR SEWER PROJECTS

Presented to: Jefferson Parish Government

March 25, 2022

GEC

Celebrating Over 35 Years of Experience

3445 N. Causeway Blvd., Suite 707, Metairie, LA 70002 • (504) 838-6009

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 SEWER PROJECTS IN JEFFERSON PARISH (RESOLUTION NO. 138812)

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,

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 Sewer Projects in Jefferson Parish
(Resolution No. 138812)

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	**Other**
0	Professional Land Surveyors	1	Urban Planner	**115**	**TOTAL**

*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.

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:

9 *(additional individuals available to be assigned as needed)*

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

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)

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 at 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

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. She 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)

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.

NAME & TITLE:

CARY BOURGEOIS, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

GEC also oversaw development of the fee for all costs from surveying to construction. (2019-Present)

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 whether to 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. (04/2019-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)

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

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 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 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.

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

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. (09/2019-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.

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

LAKESHORE VILLAGES & OAK HARBOR EAST UTILITY 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)

NAME & TITLE:

MICHAEL CHIASSON, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

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)

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.

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 deign. (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)

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

SANITARY SEWER SYSTEM UPGRADES, PUMP STATION 58A: Baton Rouge, LA. Lead Structural Engineer- Dr. Rebello performed complete structural design and plan preparation for a new 120 MGD wastewater submersible pump station. The buried concrete station is comprised of two 33'-0" deep wet weather pump wells, two 33'-0" deep dry weather pump wells, 25'-0" deep influent sewer box, and 18'-0" deep wet and dry weather valve vaults. Plan area of the station was approximately 126' by 80'. He completed analysis and design using the Finite Element Method. He designed electrical control building foundation, odor control foundation, and misc. concrete junction boxes. (02/11-04/13) (City-Parish 09-PS-US-001)

BOOSTER PUMP STATION 514 REPLACEMENT: Baton Rouge, LA. Structural Engineer - Dr. Rebello served as Structural Engineer for upgrade of booster pump station 514 to handle new flow and head requirements. The existing PS had a capacity that was less than the predicted future peak wet than the predicted future peak wet weather flow and was upgraded from 24,000 GPM to 53,500 GPM to handle revised flow requirements and was converted from an in-line booster pump station to a wet well pump station. (2013) (City-Parish 09-PS-MS-0034)

BIG HILL ACRES WATER AND SEWER PROJECT: Jackson County, MS. Structural Engineer - Dr. Rebello provided structural design 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 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. (2016)

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 overseees 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)

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:	NATURE OF FIRM'S RESPONSIBILITY:
REHABILITATION OF THE CLEARY AND WEST NAPOLEON LIFT STATION Jefferson Parish, Louisiana *Client: Jefferson Parish Government, Amit Sengupta, (504) 736-6500*	GEC provided plans & specifications and supplemental services for the rehabilitation of the Cleary and West Napoleon Lift Station. GEC was required to evaluate the feasibility of reducing overflows from station F6-11 (Houma & West Napoleon) by reducing flow into the station. This work included redirecting the effluent from F6-13 (Cleary & West Napoleon) to the 48" Regional Force Main. The design services included the design of a new force main from F6-13 (Cleary & West Napoleon) to the 48" Regional Force Main as well as design upgrades to the existing F6-13 station (Cleary & West Napoleon) to accommodate increased head conditions, including upgrades to the pumps, control panel, electrical service, and roadway restoration. 

COMPLETION DATE (ACTUAL OR ESTIMATED):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
2017	$ 1,570,000 (Estimated)	$ 94,822 (GEC Fees)

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:	NATURE OF FIRM'S RESPONSIBILITY:
SEWER CAPITAL IMPROVEMENT PROGRAM Jefferson Parish, Louisiana *Client: City of Kenner, Tom Schreiner, PE, Douglas Dodt, 1801 Williams Blvd., Kenner, LA, (504) 468-7515*	City of Kenner obtained DEQ loans, CDBG grants, and bonds totaling $79 million to spend on improving and rehabilitating their sewer system. GEC provided Program Management services to the City of Kenner for their Sewer Capital Improvement Program from 2011-2017. In the capacity of Program Manager, GEC was involved in all facets of the ongoing campaign to repair and replace numerous force mains, pump stations, and gravity lines throughout the City. The Sewer Program managed by GEC included upgrading the Wastewater Treatment Plant and its effluent pump station to a peak capacity of 62 MGD. The Sewer Program managed by GEC also included the rehabilitation of portions of the gravity sewer collection system through the use of smoke testing, CCTV and point repairs to reduce the effects of infiltration and inflow. Gravity Sewer Rehabilitation Oversight: As part of this Sewer Program, the City of Kenner hired a firm to provide CCTV and smoke testing, and a second firm to provide point repairs. As Program Manager, GEC worked closely with these two firms coordinating the testing of the lines and scheduling the point repairs. GEC staff members provided expertise to plan, schedule, and coordinate program deadlines while acting as the liaison to the City with professional consultants and entities involved in the program. The areas of responsibilities for GEC were: • Complete Program Scheduling and Tracking from Preliminary Program Planning to closeout of the final construction project. • Loan/Bond and Financial Recording and Assistance: Tracking, coordinating and maintaining records of all costs associated with individual projects and program in its entirety. • Maintain a project database and preparation of program reports to the City. • Coordination of weekly briefing schedule with City personnel. • City representation and coordination with Local, State, and Federal agencies. • Consultant Selection and Contracting Assistance: Evaluation, recommendation, award, negotiation and preparation of contracts for design consultants. • Quality Assurance: Address technical questions during design, review and comment, monitoring and coordination of consultants design work, including detailed review of submittals at various stages of project design; Review and recommend payment of consultant's invoices. • Bid Phase Services: Coordination of advertisement, bid and contract award for construction; Construction Administration Services: Review of inspection reports and work of third party resident inspector; Periodic site visits as needed to verify the work of the Contractor and the resident inspector.

COMPLETION DATE (ACTUAL OR ESTIMATED):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
2017	$ 79,000,000 (Estimated)	$ 2,217,500 (GEC Fees)

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:	NATURE OF FIRM'S RESPONSIBILITY:
LAKESHORE VILLAGES & OAK HARBOR EAST UTILITIES WATER TREATMENT PLANT EXPANSION St. Tammany Parish, Louisiana *Client: Oak Harbor East Utility, LLC, Calvin Swinea, (985) 960-1415*	GEC designed improvements to the development, including adding 300,000 gallons/day (GPD) capacity to the existing 250,000 GPD wastewater treatment plant. The expansion project included a 300,000 GPD extended aeration treatment plant, tertiary filter system, chlorination system, yard piping, and site work. GEC also designed a new on-site electric power distribution system for the entire utility site, including three existing treatment units and a 1,000 GPM water well. The electrical system included new switchgear, conduits, conductors, grounding system, automatic transfer switch, and a 300 kw emergency generator. The generator and switchgear were mounted on a 10 ft. high concrete platform to meet FEMA elevation requirements. 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. Length of force main to be installed is approximately 30,300 feet. This project also includes the design of two additional wastewater treatment plants having a total capacity of 750,000 GPD, and site planning for an ultimate design capacity of 2,650,000 GPD. GEC provided schematic design of water distribution system framework comprising approximately 31,900 feet of water main. The project includes EPANET analysis of domestic demand and fire flow, sizing of water well and storage tank, and design of water well and tank complex including layout, piping, foundations, electrical, and permitting. GEC's services included conceptual design, permitting, preliminary design, and final design, along with bidding and construction phase services. GEC provided all civil, mechanical, electrical, and structural engineering design. In addition to the water and wastewater services, GEC designed a pump station for Lakeshore Villages that drains approximately 1,000 acres. The pump station has four pumps rated at 110 CFS at 17' TDH.

COMPLETION DATE (ACTUAL OR ESTIMATED):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
Ongoing	$ 3,000,000 (Estimated)	$ 396,000 (GEC Fees)

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:	NATURE OF FIRM'S RESPONSIBILITY:
GRAVITY SEWER INSPECTION AND REPAIRS St. Bernard Parish, Louisiana *Client: St. Bernard Parish Government, 8201 W. Judge Perez Drive; Chalmette, LA 70043, (504) 278-4300*	GEC provided the professional services for the inspection, repair, and replacement of gravity sewer lines damaged by the historic flooding which occurred in St. Bernard Parish during Hurricane Katrina in 2005. Over 450,000 LF of sewer mains were inspected using the CCTV process. This resulted in the replacement of 15,300 linear feet of 6", 8", 12", 24", and 36" sewer lines and pipe bursting repair of approximately 34,000 linear feet of sewer pipe. In addition, point repairs were performed at 375 locations in the system. To perform the repairs and replacement, over 4,200 square yards of pavement was removed and replaced. GEC performed engineering design calculations and hydraulic modeling, prepared plans and specifications, developed opinions of probable construction cost, prepared bid documents, assisted in securing construction bids, and provided construction administration, site investigations, and resident inspection services, including analysis of contractor pay requests. As additional FEMA funds were made available, GEC continued to inspect the remaining portions of the gravity sewer system to determine if additional damage has occurred to parts of the system. When found, change orders were prepared to repair or replace the additional damage.

COMPLETION DATE (ACTUAL OR ESTIMATED):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
2019	$ 31,000,000 (Estimated)	$ 2,401,000 (GEC Fees)

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:
EMERGENCY GENERATORS AT PARISH PUMP STATIONS (BIG BELLE TERRE, CAPT. BOURGEOIS, AND NED DUHE) St. John the Baptist Parish, Louisiana *Client: St. John the Baptist, 1811 W. Airline Hwy., LaPlace LA 70068, Reed Alexander, (985) 651-6800*	For this St. John the Baptist Parish project, part of the Hazard Mitigation Grant Program (HMGP) / FEMA-funded project, GEC is providing detailed electrical and structural foundation design for the addition of three (3) emergency generators and accessories (transfer switches, etc.) to existing pump station sites in St. John the Baptist Parish. GEC is also managing the geotechnical and survey sub-consultants required for the project. Additionally, GEC's environmental group is responsible for soliciting the required permits from the Army Corps, Dept. of Natural Resources (Coastal Use) and Pontchartrain Levee Board. The project is currently in the construction phase. 

COMPLETION DATE (ACTUAL OR ESTIMATED):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
Ongoing	$ 325,875 (Estimated)	$ 80,519 (GEC Fees)

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.

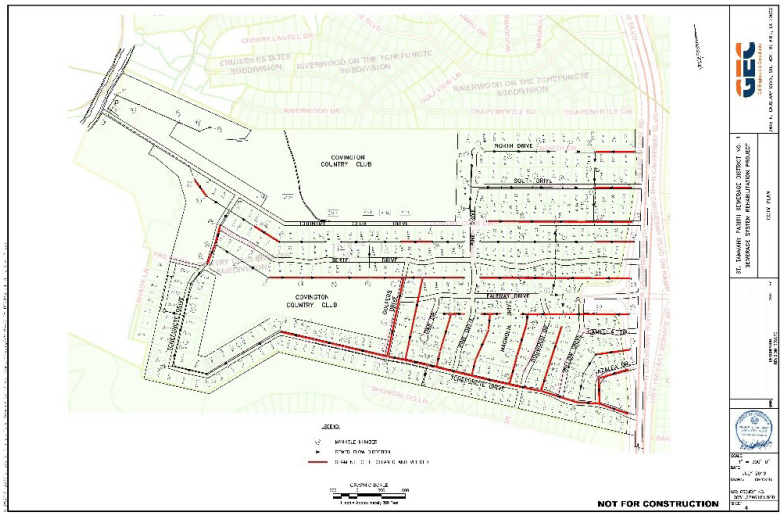
PROJECT NO. 6

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:	NATURE OF FIRM'S RESPONSIBILITY:
BIG HILL ACRES WATER AND SEWER Jackson County, Mississippi *Client: Jackson County Utility Authority, Tommy Fairfield, Jr., Executive Director, 1225 Jackson Avenue, Pascagoula, MS 39567, (228) 762-0119*	The project was conceived to bring public water and sewerage systems to the Big Hill Acres area in Jackson County, Mississippi. The area was originally developed with individual residential water wells and septic tanks. The septic tanks were failing which posed concerns about the safety of the water wells. The project serves an area of 2,400 acres with 855 platted lots. Due to the hilly terrain, and the extreme distances from the residences to the roadways, a low-pressure sewer system was installed, with 650 individual grinder pump stations. The water system included a 1,000 GPM water well, a 250,000 gallon water tower, 108,280 L.F. of 6"to 12" water mains and 850 water service connections. The sewer system included 163,560 L.F. of 2" to 10" sewer force mains, four sewer lift stations, 650 grinder pump stations, and 850 sewer services. The project was constructed in two construction contracts. Contract One was funded by and administered by the US Army Corps of Engineers. Contract Two was funded by a USDA Rural Development loan. GEC was responsible for planning and designing both contracts. GEC's professional service contract included program development, a comprehensive preliminary engineering report, topographic surveying, a geotechnical investigation, preparing plans and specifications, and bidding. The services also included construction phase engineering for both construction contracts and resident project inspection services for Contract Two. 

COMPLETION DATE (ACTUAL OR ESTIMATED):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
2016	$ 14,815,000 (Estimated)	$ 1,289,000 (GEC Fees)

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:
SEWER SYSTEM REHABILITATION PROGRAM, COVINGTON COUNTRY CLUB SEWER REHABILITATION Covington, Louisiana *Client: St. Tammany, Sewer District No. 1, Pete Lee, (985) 892-0312*	GEC serves as the Consulting Engineer for the St. Tammany Parish Sewerage District No. 1 (District). The District services approximately 450 residential and 10 commercial customers in Covington, Louisiana. The original sewer system was installed 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. The project went to bid and awarded with alternatives for cured-in-place pipe lining. GEC prepared design plans and specifications, administered the bid opening and permitting, and performed construction observation for the CCTV of existing sewer lines, 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. 

COMPLETION DATE (ACTUAL OR ESTIMATED):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
2021	$ 1,167,900 (Estimated)	$ 141,000 (GEC Fees)

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:	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 water distribution system improvements, sewage collection system improvements, pump station design, storm drainage systems improvements and 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)

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:
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's design also included complete reconstruction of the sewer collection system which included over 11,000 linear feet of 8" diameter sewer mains and the complete reconstruction of over 12,000 linear feet of 8" and 12" diameter water mains. A master drainage collection system analysis was prepared prior to design, submitted to and approved by LADOTD and the New Orleans Dept. of Public Works. 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)

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:
SANITARY SEWER SYSTEM UPGRADES, SOUTH FORCE MAIN AND GRAVITY SYSTEMS, PUMP STATION 58A, SGC-C-PS58A (STARING LANE – OVERFLOW PS) Baton Rouge, Louisiana *Client: City/Parish of East Baton Rouge, Amy Schulze, P.E., (225) 273-9635*	GEC designed the replacement of a 50-year old wastewater pump station of the dry well/ wet well type with a modern and larger capacity submersible type wastewater pump station. The project included several unique design features from sitting through hydrodynamics. The existing wastewater pump station is located near the main entrance to the LSU Burden Center and Rural Life Museum. The project consists of the construction of two separate, but interchangeable, pump stations. One pump station handles normal daily wastewater flow up to 30 MGD, the other pump station then receives flow in excess of 30 MGD and up to 90 million MGD, for a total pump station capacity of 120 MGD. The pump station consisted of the 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. GEC's design of these two pump station wet wells was based on results obtained from both a Physical Hydraulic Flow Model Study and Computational Fluid Dynamic Flow Study of the wet wells. The project also included the installation of 72 in. and 84 in. gravity sanitary sewers, the installation of 16 in., 36 inch, 48 in. and 60 in. ductile iron pipe force mains, electrical control building, electrical standby diesel fuel generators, site paving, installation of a roundabout for the new Burden Center Entrance Road, fencing, and landscaping. GEC reconfigured the site to relocate the pump station to an area more compatible with the long-range development plans for the Burden Center, while maintaining service at the existing pump station during the construction of the new pump stations. 

COMPLETION DATE (ACTUAL OR ESTIMATED):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
2014	$ 13,000,000 (Estimated)	$ 2,546,824 (Total Fees)

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 Sewer 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 sewer 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 25, 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

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.

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

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 and Reserve Drainage District in St. John the Baptist Parish. He is a licensed Civil and Environmental Professional Engineer.

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.)

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)
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

GEC staff includes dozens of professionals who routinely design public works improvement projects including wastewater treatment and collection systems, water distribution systems, as well as water and fire protection supply systems for various agencies on a daily basis; and GEC has done so for decades. We offer Jefferson Parish a broad range of experience for the design this project. Our staff has provided professional services with technical requirements similar to those listed in the solicitation.

Our staff completed design of improvements for eight pump stations near Plank Road in Baton Rouge. The capacity of the pump stations ranged in size from 300 GPM to 9,000 GPM. This project required the involvement of several staff members, including civil engineers, structural engineers and electrical engineers, and totaled over $1.5M in design fees. In addition, GEC provided the City of Mandeville with professional services including engineering design, construction administration, construction inspection, and surveying for the complete overhaul of the sewerage collection and water distribution systems for the City.

SEWER PROJECTS

Jefferson Parish
State of Louisiana
JP Project Manager

GEC

Sherri Lebas, PE
Principal-in-Charge

Michael Hattaway, PE
Professional-in-Charge

Cary Bourgeois, PE
QA/QC

Jerome Klier, PE
Civil Engineer

Jerome Lohmann, 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 a 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 sewer 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

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

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