



## STATEMENT OF QUALIFICATIONS

Design for the Rehabilitation of the Transcontinental & Belle Lift Station (E8-1)

SOQ 21-008; RES No. 137449

May 26, 2021



# VOLKERT

Volkert, Inc.  
7967 Office Park Boulevard  
Baton Rouge, LA 70809  
225.218.9440  
www.volkert.com

**VOLKERT**

May 26, 2021

Joseph S. Yenni Building  
1221 Elmwood Park Blvd., Suite 403  
Jefferson, LA 70123  
**ATTN: ELOPEZ@JEFFPARISH.NET**

**Subject: SOQ for Professional Engineering Services Related to the Design for the Rehabilitation of the Transcontinental & Belle Lift Station (E8-1). Resolution NO. 137449**

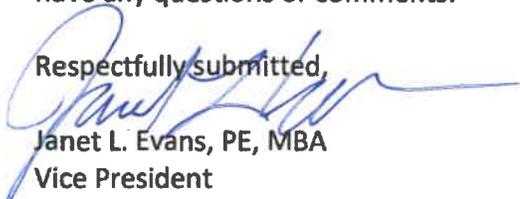
Volkert, Inc. (Volkert) appreciates the opportunity to submit our qualifications to Jefferson Parish for consideration of the Volkert Team's performance of the professional engineering services relative to the rehabilitation of the Transcontinental and Belle Lift Station (E8-1). Volkert provides services in four (4) primary markets: Water, Environmental, Energy, and Transportation, and as a full-service firm, Volkert has provided expert engineering services for wastewater collection, transmission and treatment systems for decades. The Volkert team is more than capable of successfully executing this project to the complete satisfaction of Jefferson Parish.

Volkert was founded in 1925 in New Orleans, where it first specialized in waterfront structures for the Port of New Orleans (PONO). Since its beginning, Volkert has grown from a regional engineering firm that has matured to include a national and global client base. We have nearly a century of providing services to our clients, and since the early 1970's, Volkert has provided wastewater services to our clients by facilitating infrastructure upgrades through sound engineering concepts that are sensitive to the preservation and restoration of a project's esthetics and environment.

We have provided detailed resumes of key staff who will lead the services for work under this contract. With a staff of over 60 in our Louisiana offices supported by other nearby specialists, we have the capacity and experience to provide services to the Parish under this contract. To facilitate the services necessary to complete this project, Volkert has included **Eustis Engineering, LLC** for geotechnical services and **Linfield, Hunter and Junius, Inc.** for certain design services and surveying.

Volkert has built a reputation of excellence for engineering support services to our clients. We look forward to continuing our history of successful client service as we build upon our other recent work for Jefferson Parish should we be successful with the award of this contract. I am authorized to bind the company on this contract, please feel free to call my cell at 225-270-1454 or via e-mail at [jan.evans@volkert.com](mailto:jan.evans@volkert.com) should you have any questions or comments.

Respectfully submitted,

  
Janet L. Evans, PE, MBA  
Vice President

*Delivering the future of infrastructure*



## Professional Engineering Service

PROFESSIONAL ENGINEERING SERVICES RELATED TO THE DESIGN FOR THE  
REHABILITATION OF THE TRANSCONTINENTAL & BELLE LIFT STATION (E8-1).

**RESOLUTION NO. 137449**

# *TEC Professional Services Questionnaire*

# VOLKERT

## TEC Professional Services Questionnaire

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

PROFESSIONAL ENGINEERING SERVICES RELATED TO THE DESIGN FOR THE REHABILITATION OF THE TRANSCONTINENTAL & BELLE LIFT STATION (E8-1). RESOLUTION NO. 137449

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

Volkert, Inc.  
4141 Bienville Street, Suite 102  
New Orleans, LA 70119

**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:**

Janet L. Evans, P.E., Vice President  
LA PE No. 21307  
(225) 218-9440  
jan.evans@volkert.com  
7967 Office Park Boulevard  
Baton Rouge, LA 70809

**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.**

Janet L. Evans, P.E., Vice President  
LA PE No. 21307  
(225) 218-9440  
jan.evans@volkert.com  
7967 Office Park Boulevard  
Baton Rouge, LA 70809

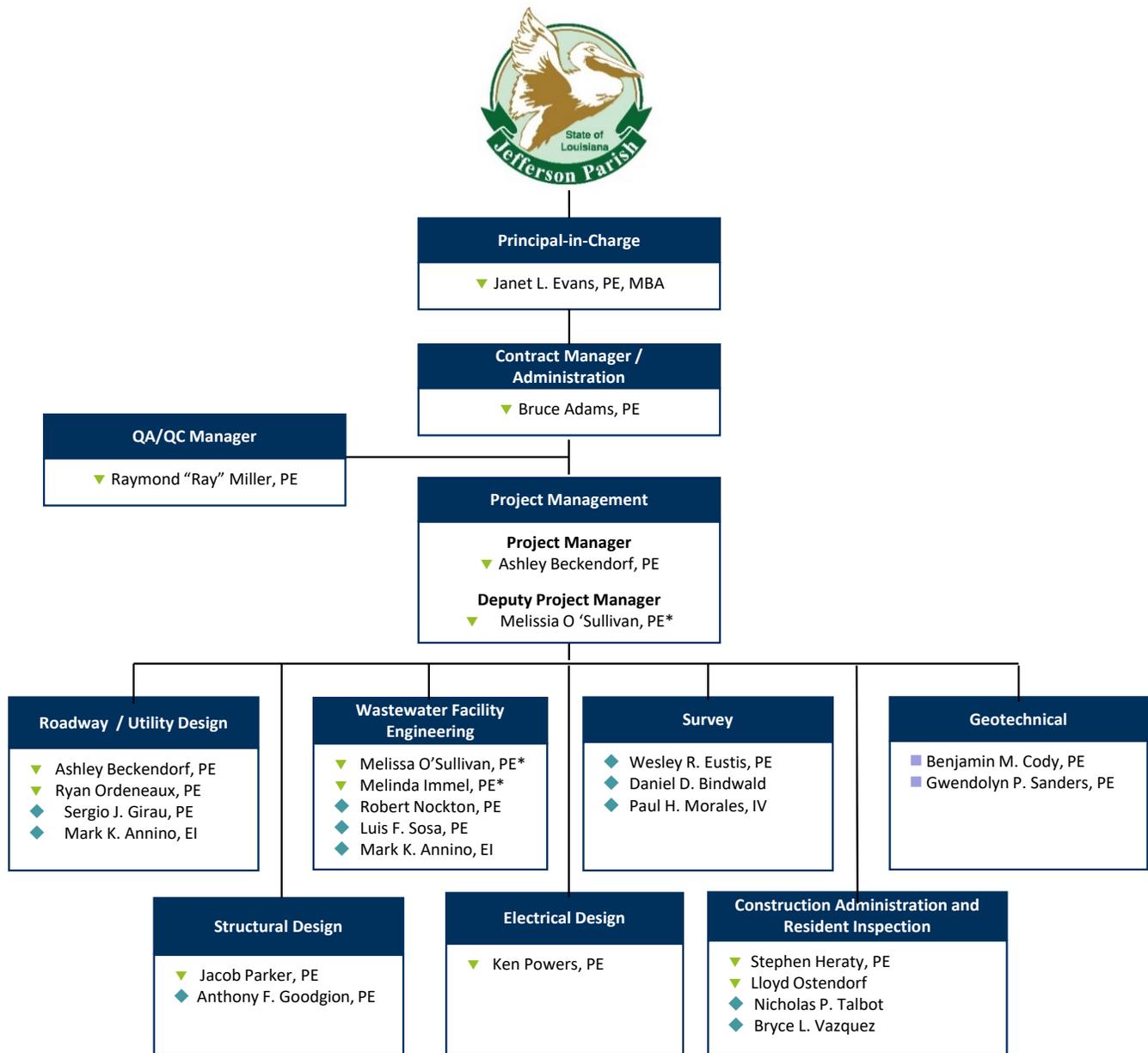
**E. Please provide the number of employees whose primary function corresponds with each category:**

5 Administrative	1 Estimators	___ Specification Writers
___ Architects (Licensed)	___ Geologists	6 Structural Engineers
___ Chemical Engineers	___ Geotechnical Engineers	___ Graduate Engineers
6 Civil Engineers	___ Interior Designers	___ Project Managers
17 Construction Inspectors	___ Landscape Architects	___ Clerical
___ Ecologists	___ Land Surveyor	___ Grant/Funding Specialist
1 Electrical Engineers	___ Mechanical Engineers	___ Sanitary Engineers
2 Engineer Intern	1 Environmental Engineers	
___ Professional Land Surveyors		39 <b>TOTAL</b>

**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.**

Staffing Plan – A Diagram showing all key personnel that would be available for assignment. The Staffing Plan should also include the same information for sub-consultants (if applicable).



**Firm Legend**

- ▼ Volkert, Inc.
- ◆ Linfield, Hunter & Junius, Inc.
- Eustis Engineering, LLC

\* Not a Louisiana Registered PE

## TEC Professional Services Questionnaire

**G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.**

1.  
None

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):
1. Linfield Hunter & Junius, Inc. 3608 18th St # 200 Metairie, LA 70002 504-833-5300	Survey, and Design, Construction Management and Resident Inspection services as needed.	Yes
2. Eustis Engineering, LLC 3011 28th St. Metairie, LA 70002 504-834-0157	Geotechnical	Yes
3.		

**J. Please specify the total number of support personnel that may assist in the completion of this Project:**

63 \_\_\_\_\_

## TEC Professional Services Questionnaire

**K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.**

### **PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Janet L. Evans, PE  
Vice President

**Project Assignment:**

Principal-in-Charge

**Name of Firm with which associated:**

Volkert, Inc.

**Years' experience with this Firm:**

13

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

M.B.A. | 1986  
B.S. | 1980 | Civil Engineering

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

LA PE # 21307  
7/24/1984  
Civil Engineer

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

Mrs. Evans has over 36 years of transportation and infrastructure project management and design experience, almost entirely on Louisiana projects, as well as experience in highway construction. Over the course of her career, she has worked extensively with the Louisiana Department of Transportation and Development in addition to municipalities, parishes, airports, and seaports across the state. Twelve years ago, she joined Volkert, which was founded in New Orleans in 1925, and has reestablished the firm as one of the state's leading consultants. More recently, she has managed or supported many of the state's large, fast-track, alternative delivery projects, including major projects on I-10, I-12, and other interstates. She also recently managed the state's first transportation CMAR project, the emergency shoulders project on the Lake Pontchartrain Causeway. She now leads a growing team of over 50 professionals in multiple disciplines in five different offices across the state for Volkert. Her experience includes both traditional design and an alternative design-build considered confined work zones, environmental compliance/permitting, traffic queuing and limited lane closures and development of construction sequencing for the high average daily traffic volume interstates.



## Janet Evans, PE, MBA

*Principal-in-Charge*

### EXPERIENCE

39 years of experience

13 years with Volkert

### EDUCATION

- ▼ MBA, Business Administration, 1986
- ▼ BS, Civil Engineering, 1980

### REGISTRATION

- ▼ LA PE #21307
- ▼ MS PE #09300
- ▼ TX PE #89739
- ▼ FL PE #36393

### CERTIFICATIONS

- ▼ ATSSA Traffic Control Supervisor
- ▼ ATSSA Traffic Control Technician
- ▼ ATSSA Certified Flagger
- ▼ FHWA – NHI Course No. 134037A, Managing Highway Contract Claims: Analysis and Avoidance

Ms. Evans has over 35 years of transportation and infrastructure project management and design experience, almost entirely on Louisiana projects, as well as experience in highway construction. Over the course of her career, she has worked extensively with the Louisiana Department of Transportation and Development in addition to municipalities, parishes, airports, and seaports across the state. Twelve years ago, she joined Volkert, which was founded in New Orleans in 1925, and has reestablished the firm as one of the state's leading consultants. More recently, she has managed or supported many of the state's large, fast-track, alternative delivery projects, including major projects on I-10, I-12, and other interstates. She also recently managed the state's first transportation CMAR project, the emergency shoulders project on the Lake Pontchartrain Causeway. She now leads a growing team of over 50 professionals in multiple disciplines in five different offices across the state for Volkert. Her experience includes both traditional design and an alternative design-build considered confined work zones, environmental compliance/permitting, traffic queuing and limited lane closures and development of construction sequencing for the high average daily traffic volume interstates.

### *Relevant work experience:*

**North Gravity Sewer Basin Projects | Plank Road Pump Station Improvements | East Baton Rouge Parish, LA |** Volkert as a sub-consultant to the Arcadis team was engaged for the City of Baton Rouge for the replacement of five pump stations and the upgrade of three pump stations. Each of the pump stations will be working in conjunction with gravity and sewer upgrades in the North Gravity Basin to help in reducing sanitary sewer overflows in the basin that have occurred upstream from the pump stations. Volkert provided the site design for each of these pump station locations in the Plank Road area. The site design involved establishing a base line for each site, layout for new driveways as well as grading and drainage. Layout of yard piping for both force main and gravity sewers was laid out and established. Erosion and sediment control was also designed for each site. Volkert is responsible for completing the site design to meet the City of Baton Rouge standards and requirements. Volkert is also providing QA/QC services for the Structural, Mechanical and Electrical portions of the overall project.

**Port of Iberia Millennium Expansion Project | New Iberia, LA |** The project involves the partial relocation of an existing 6" sanitary sewer force main and expansion of the Port of Iberia waste water treatment plant. The force main relocation is needed due to port expansion of Slip C-8. The treatment plant expansion is related to the overall port expansion to ensure treatment capacity into the future. With the extension of Slip C-8, the existing force main would be cut off from the treatment plant at the port. Volkert provided design services relocating the force main so that it would not be impacted by the new slip. Means of relocating the line included approximately 600 feet of the line to be horizontally drilled below the proposed slip location, with the remaining 2100 feet to be installed through traditional open cut methods. The design also included the necessary air release valves, tie-ins and other items to ensure proper operation. The waste water treatment plant expansion involved increasing the capacity of the existing 100,000 gpd plant to 150,000 gpd capacity. Volkert worked with the plant operator to ensure the design would meet their needs as well as standards required by the local governing agencies. Along with the design of the additional treatment plant capacity, Volkert also designed a new flow splitter, weir box, filter, generator and other items to ensure plant operation. Volkert was responsible for completing the design on the force main and WWTP as well as providing Plans and Specifications to meet the Port of Iberia standards and requirements. Volkert is also providing review of submittals during construction for the Civil, Structural, Mechanical and Electrical portions of the sanitary sewer portion of the project.

## CAPABILITIES & QUALIFICATIONS OF PROJECT TEAM

**Markham-Peachtree Storm Drain Line Improvements | City of Slidell, LA |** Ms. Evans was Project Principal for this project, which consisted of developing a hydrologic & hydraulic study to develop recommendations for the replacement of an existing box culvert on the WP-20 Canal upper drainage basin in the City of Slidell, St. Tammany Parish, Louisiana. A hydraulic model of the WP-20 Canal and associated structures was created and analyzed using HEC-RAS, and water surface profiles were determined for the 5-, 10-, 25-, 50-, and 100-year return periods. Peak flow information for each of the storm events were also determined using different methodologies that included Win TR-55, USGS Regression equations and LADOTD's HYDRWINT. This information was then used to evaluate any improvements/impacts a larger box culvert would have (primarily a culvert that would allow for the 100-year storm event). The project site is within an existing residential area with limited R.O.W. for the culvert and construction equipment. As part of the study and report, recommendations were made for the proposed culvert size. Recommendations were also made for certain issues that may arise during construction to limit or eliminate issues that may arise due to its location within a residential area. For the City of Slidell

**Plank Road Pump Stations | Baton Rouge, LA |** Ms. Evans served as Project Principal and Supervisor on this project. The project involves replacing five pump stations and upgrading three pump stations. Each station will be working in conjunction with gravity and sewer upgrades in the north gravity basin to help reduce sanitary sewer overflows in the basin that have occurred upstream from the pump stations. Volkert is responsible for completing site design for each pump station site in the Plank Road area to meet City standards and requirements. Site design involves establishing a base line for each site, layout for new driveways, grading and drainage. Layout of yard piping for both force main and gravity sewers was laid out and established. Erosion and sediment control were also designed for each site. Volkert is also providing QA/QC services for the structural, mechanical, and electrical portions of the project.

**Prior to joining Volkert, she gained the following experience:**

**Ninth Ward Collection System Evaluation Survey (CSES), New Orleans, Louisiana.** Ms. Evans was project principal and supervised crews responsible for performing dyed water flooding at approximately 800 setups in the Ninth Ward area of New Orleans.

**Canal Street Streetcar Design, Regional Transit Authority, New Orleans, Louisiana.** As project manager Ms. Evans provided design services for the implementation of a light rail streetcar track on Canal Street from Salcedo to Baronne Street, including relocation of water line and other utilities in conflict.

**Sanitary Sewer Evaluation Survey (SSES), City of Slidell, Louisiana.** A multi-year sanitary sewer I/I program to identify and address structural, mechanical, and hydraulic capacity deficiencies in the wastewater collection system. SSES will be performed on half of the City's system

**Capital Lake Pumping Station, East Baton Rouge City – Parish, La.** Preparation of construction plans and specifications for storm water pumping station consisting of 4 600hp electric pumps, pile foundation, four concrete sumps, one moveable steel gate to allow the sumps to be drained individually. Design considered the stress induced by unequal loadings when any of the sumps were empty. Operating deck concrete with concrete beam supports, with removable steel grating to allow bar screen removal as required. Roof was built up over corrugates sheet metal with skylights placed to allow removal of the pumps. Approach bridge was designed for both normal roadway loadings as well as crane loadings both movable and stationary for pulling of pumps. Detailed layout of the 42 in DI discharge lines with vacuum breakers at high points as it crossed over the Mississippi River levee.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Bruce Adams, PE Operations Manager
<b>Project Assignment:</b>
Contract Management and Administration and Client Liaison
<b>Name of Firm with which associated:</b>
Volkert, Inc.
<b>Years' experience with this Firm:</b>
1.75
<b>Education: Degree(s)/Year/Specialization:</b>
BS   Civil Engineering   1976
<b>Active registration: Year first registered/discipline:</b>
LA PE # 18752 5/27/1980 Environmental Engineer; Civil Engineer
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Adams is a lifelong resident of the greater New Orleans area. He graduated in 1976 from Tulane University with a Bachelor of Science in Civil Engineering and is currently licensed as a professional engineer in Louisiana, Mississippi and Alabama, first licensed in Louisiana in 1980. Upon graduation, He began employment with URS/Forrest and Cotton, legacy to URS Corporation. His experience with URS included planning, engineering, design, management and oversight of infrastructure projects, including extensive experience in surface transportation, coastal restoration, sewerage, drainage, and flood and hurricane protection projects. Mr. Adams departed URS in February of 2015 after 38 years of service. Mr. Adams soon continued his career at the Sewerage and Water Board of New Orleans as Deputy Director of Engineering and Construction while occupying the seat of the Deputy General Superintendent. During his time with the NOSWB he directed emergency repairs and/or projects to maintain water quality and restore pressure as a result of the freeze event. He joined Volkert in August 2019 as Operations Manager of Volkert's New Orleans office and is leading the Filmore South (A, B, C) improvements for the City of New Orleans.</p>

## CAPABILITIES & QUALIFICATIONS OF PROJECT TEAM



### Bruce Adams, PE

*Contract Management and Administration and Client Liaison*

#### EXPERIENCE

43 years of experience  
1.75 years with Volkert

#### EDUCATION

- ▼ BS, Civil Engineering, 1976

#### REGISTRATION

- ▼ LA PE #18752
- ▼ AL PE #13804
- ▼ MS PE #03468

Mr. Adams is a life-long resident of metro New Orleans, graduated from Tulane University in 1976 with a Bachelor of Science in Civil Engineering. Mr. Adams is currently licensed as a professional engineer in Louisiana, Mississippi, and Alabama, first licensed in Louisiana in 1980.

Upon graduation, Mr. Adams began employment with URS/Forrest and Cotton, legacy to URS Corporation, most recently employed as the Metairie Office Manager with management responsibility for the Metairie office and the Mobile, Birmingham, Jackson and Little Rock Branches, serving in that capacity until early 2015. Prior to that, Mr. Adams was employed by URS in the Metairie Office in varying roles of increasing experience and responsibility.

At the time of his departure from URS, Mr. Adams' responsibilities included management of all the URS Metairie office area operations, with responsibility for client maintenance and development, staffing and resource assignments, consultant coordination; extensive coordination of client/contractor relationships, contracts, contract administration, safety, QA/QC Program oversight, project administration and personnel management.

Mr. Adams' experience with URS Corporation included experience in the planning, engineering, design, management and oversight of infrastructure projects, including extensive experience in surface transportation, coastal restoration, sewerage, drainage, and flood and hurricane protection projects for clients including, but not limited to, USACE, LDOTD, MDOT, CPRA, Ports of New Orleans and Gulfport, the City of New Orleans, Jefferson Parish, St. Bernard Parish and in Post-Katrina recovery with USACE Task Force Guardian, Hurricane Protection Office, and New Orleans District Hurricane Risk Reduction System Programs as well as certain coastal restoration programs.

Of significance to the Transcontinental and Belle Street Sewer Lift Station project, Mr. Adams was key to the management, oversight and design of numerous sewer lift station and booster station and sewer force main design and construction projects throughout the West Bank of Jefferson Parish, primarily in the areas west of the Harvey Canal. Included in this program were many sewer lift station replacement projects which were complicated with excavation stability, foundation and ground water issues.

On November 30, 2015, Mr. Adams started then with the Sewerage and Water Board as Deputy Director of Engineering and Construction while occupying the seat of the Deputy General Superintendent. From that time until August of 2017, Mr. Adams was immersed within the engineering program focused upon training staff in contract and business aspects of construction and consultant contracting while directly working with the engineering staff and consultants on project and program management of capital and FEMA funded projects either in development or under construction. Following the flooding experienced in New Orleans on August 5, 2016 and after the departure of the Executive Director, CFO and General Superintendent, Mr. Adams assumed the position of Interim General Superintendent and thereby the additional responsibility of power production, drainage, water purification and distribution, and wastewater collection and treatment. While previously working in a role of directing engineering support to these programs, Mr. Adams was immediately thrust into the lead working with key senior department managers to initially address recovery efforts in power and drainage, and then also water distribution as a result of power constraints (boil water advisories) and the hard freeze in southeast Louisiana in early 2018.

# CAPABILITIES & QUALIFICATIONS OF PROJECT TEAM

Major Accomplishments during Mr. Adams' tenure at the Sewerage and Water Board of New Orleans

- ▼ Initiated efforts to add temporary power generation to supplement diminished power generation capabilities.
- ▼ Managed and consulted with SWB staff and consultant program managers through the repair and return to service of numerous drainage pumps, motors and engines as well as ancillary equipment at numerous drainage pumping stations.
- ▼ Managed and consulted with SWB staff and consultant program managers through the installation and commissioning of 25 cycle Electromotive Motive Diesel Generators at the Carrollton Water Plant (CWP).
- ▼ Managed and consulted with staff and contractors (GE and Siemens) through the restoration of 25 cycle Turbine Generators 3 and 5 at CWP while similar efforts continue to return Turbine Generator 4 to service within 2Q2018.
- ▼ Directed emergency repairs and/or projects to maintain water quality and restore pressure as a result of the freeze event.
- ▼ Initiated re-development of on the west side of the CWP through the planned demolition of long ago abandoned sedimentation chambers and subsequent land-filling in anticipation of the development of a major electric substation directly fed from the Entergy transmission grid to replace Entergy feeds to CWP via their neighborhood electrical distribution system.
- ▼ Lead the conceptualization and design of the proposed CWP Resilience Center including the re-development and expansion of an historic little-used 3 story building to provide:
  - A full service Emergency Operations Center.
  - "Safe-House" Operations Center.
  - Dormitory and commissary for essential staff that must remain to operate power generation and water distribution during and in the aftermath of tropical events and other natural or manmade disasters.
  - An industry standard IT Center to replace that at the St. Joseph Street HQ location.
  - Miscellaneous additional office space to house the ongoing SWB hiring program necessary to fill numerous vacancies.
  - Hardening of connected engineering buildings to provide enhanced storm event protection.
- ▼ Managed ongoing programs and projects for capital and maintenance programs throughout the SWB's power, water, drainage and sewerage systems.

## Experience prior to SWB employment while at URS:

Pertinent Office Project Development and Operational Oversight Experience

### Industrial/Manufacturing

- Global Foundries Semi-Conductor Foundry PM/CM, Malta, NY
- Thyssen-Krupp Site Selection/Screening Support for LED in LA and TK in LA and AL.
- Nucor Steel Direct Reduced Iron Plant Environmental Services, St. James Parish, LA
- CITGO Environmental Support Services, Sulphur, LA
- AM Agrigen Industries LLC, Fertilizer Plant Air Permitting and Site Development, Hahnville, LA
- Pulp and Paper Manufacturing Projects for IP, GP, GBP, and Evergreen, various locations in LA, MS, AR, and AL
- Environmental Services (Primarily Air and Groundwater Permitting) for various refineries, LA

### Federal

- Information Access/Information Security, Miscellaneous Bases, USACE, HNC
- Post-Katrina Hurricane Risk Reduction Program for the USACE HPO LPV 105-111, New Orleans, LA
- Task Force Guardian – Hurricane Katrina Levee System Repairs, New Orleans, LA. USACE, NOD
- Houma Navigation Canal Lock and Floodgate Terrebonne Parish, LA, USACE, Vicksburg District
- Inner Harbor Navigation Canal Replacement Lock, USACE, New Orleans District
- Claiborne Avenue Drainage Box Culvert, SWBNO and USACE, New Orleans District
- Louisiana Avenue Drainage Box Culvert, USACE, New Orleans District
- Elmwood Pumping Station and Fronting Protection (2400 cfs), Jefferson Parish, LA, USACE, NOD
- Pump Station No. 6 (11,000 cfs) Fronting Protection, SWBNO, LA, for USACE, NOD

### State and Local

- Napoleon Avenue Terminal A & B Redevelopment, Port of New Orleans
- Program Management for Port Expansion/Strategic Master Plan Implementation, Mississippi State Port Authority, Gulfport, MS
- Dole Berth Rehabilitation, MSPA, Gulfport, MS
- Mississippi River Diversion into Maurepas Swamp for CPRA, St. John the Baptist Parish, LA
- Lake Lery Marsh Creation Coastal Improvement Assistance Program (CIAP) St. Bernard Parish, LA
- Lower Breton Sound Sediment Diversion, Engineering Services for CPRA, Plaquemines Parish, LA
- New Estelle Drainage Pump Station (1,200 cfs), Jefferson Parish DPW, LA
- Westminster/Lincolnshire Drainage Pump Station (1,200 cfs), Jefferson Parish DPW, LA
- Whitney / Baratavia Pumping Station (3,600 cfs), Jefferson Parish DPW, LA
- I-10 Widening Siegen Lane to I-10/I-12 Intersection, Baton Rouge, LA for LDOTD
- I-10 Widening from Causeway to Clearview, Metairie, LA for LDOTD
- US 90 Bay St. Louis and Biloxi Bay PM/CM for MDOT
- Earhart Boulevard Reconstruction Program Management, City of New Orleans, DPW
- \$280MM Roadway Improvement Program Management, Jefferson Parish, LA
- West Napoleon Avenue Roadway Improvements, Jefferson Parish, Department of Public Works
- Gannon Road Reconstruction, City of New Orleans, DPW
- Vintage Drive Reconstruction, Jefferson Parish, DPW
- Parish-wide Wastewater System Improvement Program including Collection, Conveyance and Treatment Projects, Jefferson Parish DPW

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Raymond "Ray" Miller, Jr., PE QA/QC Manager
<b>Project Assignment:</b>
Project Manager
<b>Name of Firm with which associated:</b>
Volkert, Inc.
<b>Years' experience with this Firm:</b>
12
<b>Education: Degree(s)/Year/Specialization:</b>
B.S.  Mechanical Engineering  1991 M.B.A.   1999
<b>Active registration: Year first registered/discipline:</b>
LA P.E. #34526 3/26/2009 Mechanical Engineering
<b>Other experience and qualifications relevant to the proposed Project:</b>
The Utility Department Manager/Leader Mr. Miller has 12 years of experience with Volkert, and has over 29 years of experience with municipal sludge dewatering facility design; water main upgrades, lift station back up pump installation; new lift station construction/upgrades; wastewater plant rehabilitation projects; wastewater treatment plant upgrades; water treatment plant projects; water distribution system projects; structuring an annual maintenance contract; and lift station capacity upgrades.



## Ray Miller, PE

QA/QC Manager

The Utility Department Leader, Mr. Miller, has 12 years of experience with Volkert, and has over 29 years of engineering experience. His project experience includes numerous water and wastewater projects for a variety of municipal and industrial clients. Those projects include oversight of AMI procurement and installation, water main upgrades, water treatment plant rehabilitation projects, water treatment plant chemical storage and distribution projects, water distribution system projects, new groundwater well/treatment/storage projects, elevated storage tank inspection and recoating projects, new water booster station installations, and hydraulic modelling projects. He has also led a variety of wastewater, energy, chemical plant, and forest products projects for clients throughout the southeast.

### EXPERIENCE

29 years of experience

12 years with Volkert

### EDUCATION

- ▼ BS, Mechanical Engineering, Auburn University, 1991
- ▼ M.S., Business, University of South Alabama, 1999

### REGISTRATION

- ▼ LA PE #34526
- ▼ MS PE #19047
- ▼ FL PE #62180
- ▼ AL PE #25108
- ▼ TX PE #121427

### Relevant work experience:

**Principal-in-Charge for Advance Metering Infrastructure (AMI) Pilot Study and Full Implementation Services in Mobile, AL for the Mobile County Water, Sewer & Fire Protection Authority** | Volkert assisted the Authority with an AMI pilot study for the selection of a smart meter for the implementation of a fixed base AMI system. Volkert assisted the Owner with developing the technical requirements for reliable communication by utilizing existing water towers for base stations and breakaway poles for repeaters. Volkert developed the procurement specifications for the equipment including the items needed for an analysis of a complete system over a 20 year span for analysis. The RFP developed included the requirement for 100 meters and one collector being installed in a pilot area to confirm the operation and software reliability. Following the successful pilot study, specifications were developed and bid to procure the 13,000 meters and a second contract developed and bid to install the 13,000 meters. Volkert provided the construction oversight of the water meter installation.

**Principal-in-Charge for AMI Water Meters Installation Mobile, AL Mobile Area Water and Sewer System (MAWSS)** | This project involves assisting MAWSS with developing two (2) separate bid specifications for the purchase of AMI water meters, and the replacement of existing water meters with AMI water meters in accordance with the requirements of the State Revolving Fund (SRF) program. The bid for the AMI water meters included the purchase of various size AMI water meters for installation by both MAWSS crews and by an annual contract for the installation of the smart meters. The specifications for the annual contract for installation of the AMI meters included the various requirements and items to install/replace both residential owner supplied AMI meters and commercial compound AMI meters. Volkert was responsible for writing the procurement documents for the required equipment.

**Project Manager for storm water pump replacement at 51 Viaduct Road pump station in Chickasaw, Alabama, for the City of Chickasaw, Alabama.** The scope of the project included replacement of a storm water pump and associated equipment damaged by hurricane Katrina. This project was partially funded through FEMA reimbursement to the City of Chickasaw. Volkert's responsibilities included engineering design and construction inspection services.

**Project Manager for Eslava Creek Pump Station Renovations for MAWSS in Mobile, AL.** Mr. Miller served as the project manager for the pump station upgrade. The scope includes addition of a fourth 280 HP Pump, expansion of the existing power center, upgrading the diesel generator, and installation of an above ground fuel storage tank. The project includes lifting equipment improvement, HVAC improvements, wet well rehabilitation, pumping improvements, and paint rehabilitation. All work will be accomplished while maintaining operation of the existing equipment. Specialty contractors will be employed to accomplish work without conventional bypass pumping. Controls upgrades will also be performed on a phased approach to keep existing systems operational.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Melissa O'Sullivan Deputy Project Manager/Wastewater Facility Design Team Leader
<b>Project Assignment:</b>
Water/Wastewater Coordinator
<b>Name of Firm with which associated:</b>
Volkert, Inc.
<b>Years' experience with this Firm:</b>
23
<b>Education: Degree(s)/Year/Specialization:</b>
BS   Civil Engineering   1995
<b>Active registration: Year first registered/discipline:</b>
AL PE # 23400 , 1999 FL PE # 61463 2004 MS PE #18940 2009
<b>Other experience and qualifications relevant to the proposed Project:</b>
Mrs. O'Sullivan has over 25 years of water/wastewater experience, including a recently completed AMI/AMR project within Mobile County, AL. Melissa will be a technical resource for this project providing plans and specifications for the replacement of AMR/AMI meters She has served as Project Manager for numerous utility improvement projects along the Gulf Coast for local municipalities. She is responsible for overseeing and developing plans, specifications and contract documents. Her experience includes water and sewer main design and relocations, lift station design and rehabilitation, collection system rehabilitation, permitting, bid phase services, and construction phase services.

# CAPABILITIES & QUALIFICATIONS OF PROJECT TEAM



## Melissa O'Sullivan, PE

*Deputy Project Manager/Wastewater Facility Design Team Leader*

Mrs. O'Sullivan has over 25 years of water/wastewater experience, including a recently completed AMI/AMR project within Mobile County, AL. Melissa will be a technical resource for this project providing plans and specifications for the replacement of AMR/AMI water meters. She has served as Project Manager for numerous utility improvement projects along the Gulf Coast and in the North West Florida region for local municipalities. She is responsible for overseeing and developing plans, specifications and contract documents. Her experience includes water and sewer relocations, collection and distribution expansions, permitting, reporting, rehabilitation and operational facilities.

### EXPERIENCE

25 years of experience  
23 years with Volkert

### EDUCATION

- ▼ BS, Civil Engineering, University of Alabama at Birmingham, 1995

### REGISTRATION

- ▼ FL PE # 61463
- ▼ AL PE # 23400
- ▼ MS PE # 18940

### CERTIFICATION/ TRAINING

- ▼ ITCP NASSCO Certification #CIPP-612-0772
- ▼ PACP, MACP, LACP NASSCO Certification
- ▼ Evolution of Municipal Separate Storm Sewer System (MS4) Permit and Program Requirements

### *Relevant work experience:*

**Project Manager for Advance Metering Infrastructure (AMI) Pilot Study and Full Implementation Services in Mobile, AL for the Mobile County Water, Sewer & Fire Protection Authority |** Volkert assisted the Authority with an AMI pilot study for the selection of a smart meter for the implementation of a fixed base AMI system. Volkert assisted the Owner with developing the technical requirements for reliable communication by utilizing existing water towers for base stations and breakaway poles for repeaters. Volkert developed the procurement specifications for the equipment including the items needed for an analysis of a complete system over a 20 year span for analysis. The RFP developed included the requirement for 100 meters and one collector being installed in a pilot area to confirm the operation and software reliability. Following the successful pilot study, specifications were developed and bid to procure the 13,000 meters and a second contract developed and bid to install the 13,000 meters. Volkert provided the construction oversight of the water meter installation.

**Project Manager for AMI Water Meters Installation Mobile, AL Mobile Area Water and Sewer System (MAWSS) |** This project involved assisting MAWSS with developing two (2) separate bid specifications for the purchase of AMI water meters, and the replacement of existing water meters with AMI water meters in accordance with the requirements of the State Revolving Fund (SRF) program. The bid for the AMI water meters included the purchase of various size AMI water meters for installation by both MAWSS crews and by an annual contract for the installation of the smart meters. The specifications for the annual contract for installation of the AMI meters included the various requirements and items to install/replace both residential owner supplied AMI meters and commercial compound AMI meters. Volkert was responsible for writing the procurement documents for the required equipment.

**Project Manager for the Utility Relocation Services Related to the Broad Street Improvements for MAWSS.** This project involved the design of water and sanitary sewer main replacement and/or relocation in conflict with the proposed road and drainage improvements. The existing water mains range in size from 4-inch to 24-inch and will involve larger steel encasement pipe, insert valves, tapping valve and sleeves and line stops to allow for the relocation and replacement. The existing sanitary sewer mains range in size from 8-inch to 20-inch and will involve several directional drilled depressed sewers to allow for the relocation and replacement of the existing sewers. These relocations are proposed as a part of a four-phase highway improvements project for Broad Street. Existing cast iron water mains will be replaced with C900 PVC. The existing gravity sanitary sewer will be replaced with in the project limits.

**Project Manager for the Water Main Relocation near Collegiate Drive for Bay County Commission.** Volkert developed plans and specifications for the project which included coordination with local utilities (Gulf Power), and traffic control as necessary during construction phase services. This project includes developing plans and specifications for the relocation of the 24" water main near Collegiate Dr and the Hathaway Bridge on the North side of US 98. The project includes installing tapping valve and sleeves and line stop to allow for the relocation of the water main without disruption of service. The specifications will utilize the Bay County Standard Specifications.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Melinda Immel, PE Project Engineer
<b>Project Assignment:</b>
Project Engineer/Wastewater Design Facility Specialist
<b>Name of Firm with which associated:</b>
Volkert, Inc.
<b>Years' experience with this Firm:</b>
25
<b>Education: Degree(s)/Year/Specialization:</b>
BS   Civil Engineering/Environmental Certificate  1995
<b>Active registration: Year first registered/discipline:</b>
AL PE #24706 TN PE #116008 MS PE #18931
<b>Other experience and qualifications relevant to the proposed Project:</b>
Ms. Immel has 25 years of experience since joining Volkert in 1995 and is responsible for the design of civil and utility engineering projects for municipalities and utility boards. She has served as the Project Manager and Project Engineer for various ALDOT utility relocation projects that consisted of relocating utilities for local municipalities to accommodate highway improvement projects. She has also lead the design and rehabilitation of numerous list stations, as well as water and wastewater treatment plant designs and upgrades.



## Melinda Immel, PE

*Project Engineer / Wastewater Design Facility Specialist*

Ms. Immel has 25 years of experience since joining Volkert in 1995 and is responsible for the design of civil and utility engineering projects for municipalities and utility boards. She has served as the Project Manager and Project Engineer for various ALDOT utility relocation projects that consisted of relocating utilities for local municipalities to accommodate highway improvement projects.

### *Relevant work experience:*

**Project Manager for Headworks Renovations for the Daphne Utility Board.** Volkert performed extensive analysis of the existing unit processes at the Daphne Utilities WRF. At the time of the initial analysis, influent flows were exceeding the hydraulic capacity of the headworks system during peak influent conditions which resulted in overflows to a manual bar screen. The peak hydraulic flows also created capacity problems downstream of the UV disinfection process for the gravity outfall. Limitations in the existing Class A biosolids process were also investigated. As a result of these analyses, several upgrade projects were recommended. The capacity limitations of the gravity outfall system were selected to be addressed first. Volkert performed detailed design and construction engineering inspection services for the WRF outfall line capacity improvements. These improvements included installation of a three pump system that operates during peak flow periods when pumping is required in order to deliver the treated effluent to the outfall in the Mobile Bay. The project included VFDs for full range control of the flow as well as all necessary civil, structural, mechanical, electrical, and instrumentation upgrades.

**Project Manager for General Engineering services in Daphne, Alabama, for the Utilities Board of the City of Daphne.** Volkert prepared the 2003, 2004 Annual Report for the Utilities Board. Volkert was responsible for creating this annual report that summarizes operation and maintenance conditions to assist the Board and staff with planning for improvements and expansions to facilities. Daphne utilities was created to own, operate and maintain water, sewer, and gas facilities that provide related services to customers in Daphne and surrounding areas.

**Project Manager to provide WWTF upgrades to the City of Fairhope, AL.** The City of Fairhope's water department dates back to 1916 and services an estimated 40,000 residents in Baldwin County, Alabama. The sewer collection system has 65 lift stations and over 130 miles of pipe that deliver collected wastewater to the City's 4.0 million gallon day (MG) Water Resource Recovery Facility (WRRF). In the 1990's the original Wastewater Treatment Facility (WWTF) was renovated but the Operations staff noticed an increase in waste loadings beyond the original design parameters thereby reducing the facility's treatment capacity. With the continued growth that the City has been experiencing the facility was in need of modifications/renovations. The City recognized that modifications would need to address current conditions but also provided an opportunity to go a step further to continue their commitment to protecting and even improving the environment. The City requested Volkert Inc. to design a project that would not only address current needs but would also address nutrient removal and enhance effluent water quality through filtration. Volkert provided design and construction engineering services to upgrade the facility in a way that would allow for treated effluent to be discharged into nearby Mobile Bay which would provide environmental enhancements for the quality of life in Baldwin County.

**Project Manager for the Renovations/Upgrades to the Saraland WWTP in Saraland, Alabama.** The project included the evaluation of process alternatives, design for renovations to the existing Saraland Wastewater Treatment Plant including modifications to the headworks, conversion of the biological process to a sequencing batch reactor (SBR), and construction of a UV system, digester, and dewatering facility. The project scope consisted of four tasks: evaluation of process alternatives, design, construction inspection services, and training and Operation & Maintenance Manuals.

### EXPERIENCE

25 years of experience  
25 years with Volkert

### EDUCATION

- ▼ BS, Civil Engineering/  
Environmental  
Certificate, University of  
Alabama, 1995

### REGISTRATION

- ▼ AL PE #24706
- ▼ TN PE #116008
- ▼ MS PE #189310

### Professional Organizations

- ▼ American Society of Civil  
Engineers
- ▼ Water Environment  
Federation
- ▼ Alabama's Water  
Environment Association

## CAPABILITIES & QUALIFICATIONS OF PROJECT TEAM

**Project Manager for Fairhope Water Resource Recovery Facility (WRRF) for the City of Fairhope, AL.** The City requested Volkert Inc. to design a project that would not only address current needs but would also address nutrient removal and enhance effluent water quality through filtration. Volkert provided design and construction engineering services to upgrade the facility in a way that would allow for treated effluent to be discharged into nearby Mobile Bay which would provide environmental enhancements for the quality of life in Baldwin County. Volkert designed upgrades and oversaw construction to all aspects for the 4.0-million gallon per day (MGD) treatment facility including the screening system removal for solids, aeration system to foster nutrient removal, clarification and ultraviolet disinfection to removal suspended particles and digestive system to improve solids operations.

**Project Manager for Design of a new 1.25 MGD wastewater treatment plant for Diamondhead, MS Water and Sewer District.** Construction of the new 1.25 MGD wastewater treatment plant was substantially completed March 31, 2017, fifty days ahead of schedule with less than 0.5% change orders (including Owner requested enhancements). The operations staff have noted a decrease in power consumption, increased treatment performance, and praised the ease of operations.

**Project Engineer and Project Manager for the design of various wastewater treatment facility (WWTF) upgrades including the Saraland WWTF, the Fairhope WWTF, the Gulf Shores Water Reclamation Facility (WRF), and the Williams WWTF for the Mobile Area Water & Sewer System (MAWSS).** The projects included performing the process and hydraulic designs for upgrading existing equipment and for new equipment and structures that enhanced the abilities of the treatment facilities to meet revised National Pollutant Discharge Elimination System (NPDES) permit limits and ensure permit compliance.

**Project Manager for renovations to the above ground storage tank at Myers Water Filtration Facility in Mobile, Alabama, for the Mobile Area Water and Sewer System (MAWSS).** Volkert's design included a 1,500-gallon above ground fuel tank and the installation of a day tank to service an existing emergency generator for the Myers WFF. The day tank provided fuel from the above ground storage tank to the existing emergency generator.

**Project Engineer for a sanitary sewer system to serve Rabbit Creek Drive/Dog River Road in Mobile, Alabama, for MAWSS.** The project consisted of a feasibility study of a low-pressure, sanitary sewer force main system to serve the Rabbit Creek Drive/Dog River Road area. Project Manager for the Replacement of Chickasaw Stormwater Pump Station, in Chickasaw, Alabama, for the City of Chickasaw. Volkert provided the design for a 60-foot, steel sheet pile bulkhead wall to replace the old damaged and decaying tied-back timber bulkhead wall at the pipe outlets for the city's pump station. The pump station bulkhead is located adjacent to the Mobile River at the Port of Chickasaw compound, which is just off Highway 43 in Chickasaw, Alabama. The scope of work included the design for a steel sheet pile wall bulkhead approximately 60-feet long to be constructed in front of the existing damaged timber bulkhead at the Chickasaw Stormwater Pump Station. Volkert had to provide for the passage of two 30-inch diameter steel pipes through the bulkhead. Deliverables included plans, specifications, and bid documents.

**Project Manager for utility relocation on US 90 in Mobile, Alabama for Mobile Area Water and Sewer System.** The project consisted of the relocation of various sewer appurtenances associated with the service road construction on the east side of US 90 near Larue Steiner. Volkert was responsible for developing plans and specs for the necessary relocation of existing utilities to accommodate the construction of an ALDOT-proposed service road on the east side of US 90. Volkert provided research of the area to determine what facilities would need to be relocated; coordinated utility agreements with the Mobile Area Water and Sewer System Project Manager and ALDOT; provided plans and specifications to ALDOT for inclusion into bid documents; and performed CEI services in accordance with the ALDOT Utility - Consultant Engineering Agreement. The project required that Volkert field-locate existing water and sewer mains in order to further evaluate the presence of potential conflicts with proposed drainage improvements.

**Project Manager for utility relocation services as a part of the master contract for general engineering services, Mobile, Alabama, for the Mobile Area Water and Sewer System.** The project consisted of the necessary utility relocations to accommodate improvements at I-10 and Virginia Street in Mobile, Alabama. Services provided included developing plans and specs for the relocation of existing utilities as necessary to accommodate the intersection modifications proposed by ALDOT. Volkert provided project area research to determine what facilities needed to be relocated; coordinated utility agreements with the MAWSS Project Manager and ALDOT; provided plans and specs to ALDOT for inclusion into bid documents; and performed CEI services in accordance with ALDOT Utility - Consultant Engineering Agreement. Project special circumstances included field locating the existing water main to further evaluate if a conflict exists with proposed storm drain improvements.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Ashley Beckendorf, PE Project Manager
<b>Project Assignment:</b>
Project Manager/Roadway and Utility Design Leader
<b>Name of Firm with which associated:</b>
Volkert, Inc.
<b>Years' experience with this Firm:</b>
6
<b>Education: Degree(s)/Year/Specialization:</b>
BS   Civil Engineering   2008
<b>Active registration: Year first registered/discipline:</b>
LA PE # 37334 7/25/2012 Civil Engineer
<b>Other experience and qualifications relevant to the proposed Project:</b>
Ms. Beckendorf has over 12 years of design and engineering experience and expertise in delivering complex drainage, infrastructure, open space, and capital projects for government clients. She has specialized in sewer infrastructure design, site development, and roadway engineering. She has worked on the East Baton Rouge Greenlight Program and East Baton Rouge Parish Sanitary Sewer Overflow Program, beginning from the preliminary stages to design and on through construction. She has also worked on several site developments, roadway plans, and airport plans. She has managed complex projects with all aspects of engineering including geotechnical, surveying, environmental, real estate, utilities, traffic, lighting, drainage, bridge, and roadway design.

## CAPABILITIES & QUALIFICATIONS OF PROJECT TEAM



### Ashley Beckendorf, PE

*Project Manager / Roadway Utility Design Leader*

Ms. Beckendorf has specialized in infrastructure design, site development, drainage upgrades and roadway engineering and quantity calculations. Her experience includes development of plans and specifications for drainage upgrades, channel modifications, modeling assistance, utility relocation/coordination, gravity and force main lines, groundwater remediation, and site layouts for pump stations.

#### *Relevant work experience:*

**Muddy Creek Drainage Improvements in Ascension Parish, LA** | Ms. Beckendorf did an independent review of the design and construction documents. Volkert is providing Engineering Design Phase Services to further refine and develop channel improvement recommendations for geometric modification of 24,590 ln. ft. of the upper limits of the Muddy Creek Channel into final construction documents. East Ascension Consolidated Gravity Drainage District

**Sewer Modeling for the City of Gonzales, LA.** As Project Manager, Ms. Beckendorf was/is responsible for managing and engineering for the City of Gonzales sewer modeling and asset management.

**Almonaster Avenue Bridge over the Inner Harbor Navigational Canal for the Louisiana Department of Transportation & Development / Port of New Orleans in New Orleans, LA** | | As a Project Engineer, Ms. Beckendorf was responsible for the design of the sewer forcemain, lift station, and water lines for the operator's house. This project consists of the development of preliminary design plans and estimate for a permanent rolling lift bascule bridge and approaches over the Inner Harbor Navigational Canal at Almonaster Avenue. This new bridge is to be constructed on the existing alignment while maintaining both rail and marine traffic. The proposed roadway work will include floodwall and levee relocations, subsurface drainage and utility improvements and relocations.

**Multiple Pump Stations – Highway 61, Plank Road in Baton Rouge, LA** | Volkert is providing preliminary site design, detailed site design, bidding services and engineering services during construction for four new pump stations using submersible pumps to replace existing pump stations. As project manager and project engineer, Ms. Beckendorf is performing the detailed site design in conjunction with GEC's design of the pumps, according to the Baton Rouge's SSO design requirements. As a sub to GEC

#### *Prior to joining Volkert, he gained the following experience:*

**Siegen Lane Site Groundwater Treatment and Feasibility Study for BFI in Baton Rouge, Louisiana.** As Project Engineer, Ms. Beckendorf assisted with sampling the water discharge from the groundwater air stripping application. She developed the groundwater hydraulic head distribution maps each month and calculated the groundwater flow using the potentiometric mapping each month. She also compared and analyzed the flux calculations versus the recovery of groundwater to study how well the groundwater remediation system was working.

**Youngsville Compressor Station Groundwater Remediation for Texas Gas in Youngsville, LA.** As Project Engineer, Ms. Beckendorf designed the remediation equipment, measurement and controls, piping, concrete pad and other components necessary for the horizontal and vertical air sparging system to eliminate groundwater contamination. She completed the construction plans and specifications using AutoCAD, which included an overall site plan, a well installation plan, a piping plan, an equipment pad plan, a P&ID, and all details of the remediation equipment to be constructed or installed.

#### EXPERIENCE

12 years of experience  
6 years with Volkert

#### EDUCATION

- ▼ BS, Civil Engineering, 2008

#### REGISTRATION

- ▼ LA PE #37334

#### CERTIFICATIONS

- ▼ NHI NEPA and the Transportation Decision Making Process, Course #142005
- ▼ ATSSA Traffic Control Supervisor
- ▼ ATSSA Traffic Control Technician
- ▼ ATSSA Certified Flagger
- ▼ Traffic Engineering Analysis Process & Report, Module 1, 2, 3 (2018)

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Jacob Parker, PE Project Manager
<b>Project Assignment:</b>
Structures Design Team Leader
<b>Name of Firm with which associated:</b>
Volkert, Inc.
<b>Years' experience with this Firm:</b>
3
<b>Education: Degree(s)/Year/Specialization:</b>
BS   Civil Engineering   1998
<b>Active registration: Year first registered/discipline:</b>
LA PE # 30596 9/30/2021 Civil Engineer
<b>Other experience and qualifications relevant to the proposed Project:</b>
Mr. Parker joined Volkert in 2018 and has over 20 years of engineering experience including bridge design, rehabilitation, and rating; roadside barrier design; overhead signs and supports; high-mast poles and foundations; box culverts; spread footing and pile supported concrete retaining walls; concrete hydraulic structures; and mass grading and excavation. Mr. Parker provided structural design for a drop structure for the Bayou Baton Rouge as part of the Comite diversion project and has also designed/rated box culverts and retaining walls for bridge and roadway projects and helped review NOSWB projects regarding compliance with manhole specifications.

## CAPABILITIES & QUALIFICATIONS OF PROJECT TEAM



### Jason Parker, PE

*Structural Design Team Leader*

Mr. Parker joined Volkert in 2018 and has over 22 years of engineering experience including bridge design, rehabilitation, and rating; roadside barrier design; overhead signs and supports; high-mast poles and foundations; box culverts; spread footing and pile supported concrete retaining walls; concrete hydraulic structures; and mass grading and excavation. He also has ATSSA Traffic Control Supervisor, Technician and Flagger Certifications.

#### *Relevant work experience:*

**Causeway Shoulder Bay Improvements, Jefferson Parish, LA (Greater New Orleans Expressway Commission)** | Mr. Parker responsibilities include design of basic safety plan and elevation, design of girders, design of cable tray attachment and miscellaneous electrical details, design of sign support details and design of transition barriers. Volkert was selected to design essential and long-awaited shoulder additions. The bridge shoulders, comprising 12 “shoulder bays,” will provide a safe space for disabled vehicles to pull over out of traffic. They will also increase safety for motorists and emergency personnel in the event of a crash. This project was executed using the CMAR alternative delivery method, a first for the State of Louisiana.

**Almonaster Bridge Study, Orleans Parish, Port of New Orleans** | The Almonaster Bridge Study was developed to assist the Port of New Orleans selecting a replacement option for the Almonaster Bridge over the Inner Harbor Industrial Canal. It reviewed several replacement options as well as rehabilitation and compared costs for design, construction and permitting, different applications of design criteria, constructability, and possible funding sources. Other things considered were the elimination of railroad crossings in the area and proposed additional connection roadways to accommodate these eliminations. The study required the review of load rating/inspection reports as well as substructure preliminary design for each alternative by Volkert.

**I-12 to Bush Final Bridge Design, St. Tammany Parish, LA, (DOTD c/o T. Baker Smith)** | Mr. Parker served as Project Engineer for the I-12 to Bush project. This project was a TIMED project connecting LA 3241 from the LA 40/LA 41 intersection in Bush, LA to I-12 at the LA 434 Interchange. As a sub-consultant to T. Baker Smith, Volkert is providing bridge and road design services as necessary to complete the submittal of Stage 3 Design, Part III Preliminary Plans. Volkert is responsible for the review of the environmental study, traffic data, parish maps, aerial photos, and DOTD roadway classification.

**I-12 Widening (US 190 to LA 59) Route I-12, St. Tammany Parish, (T. Baker Smith, LLC and the DOTD)** | Mr. Parker served as Project Engineer for this project. Volkert is responsible for bridge design, road design, and ICE/CPM which includes all engineering services necessary to complete the submittal of Stage 3 Design, Part III, Preliminary Plans and Part IV, Final Plans. This project is to widen and rehabilitate I-12 to the median side from a four-lane freeway to a six-lane freeway section in both the East and Westbound direction. The project begins just west of US 190 and ends just east of LA 59 for approximately 4 miles. The US 190 and LA 59 interchanges are included in this project.

**Formosa Heavyhaul Bridge, Statewide Louisiana, (Coastal Bridge Co., LLC)** | Mr. Parker is serving as Project Manager and Lead Engineer for this project. Volkert is the prime consultant for this design-build project that involves the design of a continuous span bridge that is to hold extremely heavy loads crossing multiple lines of railroad tracks. It is a unique design that involved special design considerations for the bridge, retaining walls, crash walls, and the drainage design. It included a drainage design that incorporated trench drains to withhold extra heavy-duty loads.

#### EXPERIENCE

23 years of experience

3 years with Volkert

#### EDUCATION

- ▼ BS, Civil Engineering, 1998

#### REGISTRATION

- ▼ LA PE #30596

#### TRAINING/ CERTIFICATIONS

- ▼ TWIC

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Kenneth Power, PE Project Engineer
<b>Project Assignment:</b>
Electrical Systems Team Leader
<b>Name of Firm with which associated:</b>
Volkert, Inc.
<b>Years' experience with this Firm:</b>
14
<b>Education: Degree(s)/Year/Specialization:</b>
BS   Electrical Engineering   1996
<b>Active registration: Year first registered/discipline:</b>
LA PE # 39559 02/05/2015 Electrical Engineer
<b>Other experience and qualifications relevant to the proposed Project:</b>



## Kenneth Power, PE

*Electrical Systems*

Mr. Powers served as an Electrical Engineer at Volkert for 8 years. Then in 2014, he rejoined the firm as the Electrical Department Manager. His over 25 years of experience includes roadway lighting systems, interior and exterior lighting systems, airport lighting improvements, emergency generator systems, pump stations, power system design, power and lighting renovations, lighting calculations, utility company coordination, scope and fee proposals, and submittal reviews.

### *Relevant work experience:*

**Electrical Engineer for Monroe Street Lift Station in Daphne, Alabama, for Daphne Utilities** | The Monroe Street lift station had reached its useful life and was scheduled for major renovations. Since the initial installation of the lift station, a business had been constructed on the adjacent property. Now, the lift station was located in the front parking lot of the business near the front doors. A new easement was obtained to relocate the lift station to the opposite side of Monroe Street to better accommodate the surrounding areas. Volkert proceeded with the design of the lift station following a review of the incoming sewer system which included 8- inch gravity mains and a 12-inch gravity main. The gravity mains were redirected to the new station and the new force main was connected to the existing main. The station was designed as a dual pump 10-HP station with SCADA in accordance with the Owner's standard specifications.

**Electrical Engineer for the Design of a new 1.25 MGD Wastewater Treatment Plant for the Diamondhead, MS Water and Sewer District** | The design of a new 1.25 MGD wastewater treatment plant for Diamondhead Water and Sewer District in Diamondhead, Miss. Construction of the new 1.25 MGD wastewater treatment plant was substantially completed March 31, 2017, fifty days ahead of schedule with less than 0.5% change orders (including Owner requested enhancements).

**Project Manager for Corridor X Lighting for the Alabama Department of Transportation (ALDOT)** | The project consisted of a high mast lighting design for a portion of Corridor X (Interstate 22) at the Interstate 65 interchange. The design included photometric analysis, voltage drop calculations, conduit and conductor sizing, and utility coordination. Mr. Powers served as the project manager and was responsible for overall project completion.

**Electrical Engineer for Hilliard Fletcher WWTP DIGESTER SYS PHII. Hilliard Fletcher WWTP Digester System Phase II for the City of Tuscaloosa, Alabama.** | The project includes designing and developing technical specifications for boiler and digester biogas conditioning systems as a part of a multi-phase digester improvements project.

**Electrical Manager for Lift Station NO.3 Master Construction Upgrades & Bypass Pipe for the City of Tuscaloosa, AL.** | The City of Tuscaloosa's major lift station conveys over half of the wastewater generated in the service area. This lift station is over 60 years old. This design project included concept development/evaluation to determine the recommended upgrades. Subsequent design phase services include upgrade of the electrical and controls systems and upgrade of the pump station to operate in a 2+1 arrangement to provide some operational redundancy and reliability. The capacity of the pump station is 15 MGD with the upgrade taking the firm capacity to 20 MGD.

**Electrical Manager for Lift Station NO.21 Equalization Tank & Pump Upgrades for the City of Tuscaloosa, AL.** | This project included concept development for upgrade of an existing lift station, including design of an equalization tank to manage peak flow scenarios. Upgrades included provisions for back-up power and access improvements to facilitate maintenance and address safety through modifications to eliminate confine spaces.

### EXPERIENCE

25 years of experience  
15 years with Volkert

### EDUCATION

- ▼ BS, Electrical Engineering, 1996

### REGISTRATION

- ▼ LA PE #39559
- ▼ AL PE #27471
- ▼ GA PE #034031
- ▼ FL PE #78362
- ▼ MS PE #10026
- ▼ TX PE #125395
- ▼ OH PE #75381
- ▼ TN PE #114758
- ▼ VA PE #0402054202
- ▼ NC PE #045045
- ▼ Washington DC PE #909216
- ▼

### TRAINING/ CERTIFICATIONS

- ▼ ODOT Traffic Academy, Highway Lighting (July 19-20, 2011)
- ▼ International Institute for Learning, Inc., Project Management for Non-Project Managers
- ▼ FHWA Roadway Lighting Design Seminar at the Georgia DOT (January 20-21, 2015)

## CAPABILITIES & QUALIFICATIONS OF PROJECT TEAM

**Electrical Project Manager for the design of a new 1.25 MGD wastewater treatment plant in Diamondhead, Mississippi** | The services included environmental permitting, design, preparation of construction plans and specifications and construction administration. The design included a new control building with offices, a lab, and restrooms. A backup generator was provided, along with power distribution, site lighting, security and access control, and power company coordination.

**Electrical Manager for Ernest E Jones WWTF Biosolids Improvements for Starkville, MS utilities. Wastewater collected in the City of Starkville (City) is conveyed to the Ernest E. Jones Wastewater Treatment Plant (WWTP)** | This facility is operated by Starkville Utilities (SU), a department of the City. The waste active sludge (WAS) produced in the biological process is conveyed to a 25-acre lagoon located adjacent to and north of the WWTP. The lagoon is operating at or near capacity and a long-term solution is required. In order to address this issue and provide a sustainable solution the City, SU hired Volkert to evaluate alternatives for treatment, disposal and storage of biosolids within this system. This study determined that the preferred solution for SU is to dewater the plant biosolids and treat them to Class A for beneficial reuse.

**Electrical Engineer for Primary Solids Handling Pump Modifications for the City of Tuscaloosa, AL** | Volkert will provide preliminary and final engineering design, bidding assistance, and construction phase services for the modifications to the pumping system for primary sludge handling which includes the implementation of design plans for the replacement of Sludge Pumps 2 and 4, replacement of scum pump 1 and 2, and installation of additional instrumentation and modifications for the mechanical pumping as well as to the existing yard piping system. Preliminary and final design will include specifications on the type and characteristics of the replacement pumps or modified piping required. As part of the design services Volkert will locate all utilities within the project limits, including a known AT&T cross country trunk line, and provide utility relocation services if required. Volkert will also prepare cost estimates and budgets to be utilized in the bidding phase of this project. All design services will be in accordance with the Alabama Department of Transportation (ALDOT), Federal Highway Administration (FHWA), the U. S. Army Corps of Engineers USACE), ADEM, NFPA, ACI, AISC, and any other state or local storm water regulations and applicable building codes.

**Electrical Engineer for the design of a new airfield lighting system in Abita Springs, Louisiana for St. Tammany Regional Airport** | The system will have new runway and taxiway lighting and signage, new wind cones, new Precision Approach Path Indicators (PAPIs) and new Runway End Identifier Lights (REILs). Edge light spacing was calculated based on the length of the runway, in conformance with applicable FAA Advisory Circulars. Calculations were performed to determine the proper location of the PAPI units and wind cones. Constant current regulators were sized based on the current design with an allowance for a future runway extension and parallel taxiway. A new airfield lighting vault will be provided, along with provisions for a backup generator and transfer switches. Coordination was performed with the local power company for new service, assisted the Owner with selecting a suitable location for the vault to allow for future facilities, such as fuel farms and hangars, to be constructed without impacting the elements of this project.

**Electrical Engineer for the design of the electrical system for a Corporate Hangar at St. Tammany Regional Airport** | Design included general power, lighting, lighting calculations, grounding plans, special-purpose outlets, and calculating building electrical loads to size the service entrance equipment.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Stephen Heraty, PE Construction Manager
<b>Project Assignment:</b>
Construction Administration and Resident Inspection
<b>Name of Firm with which associated:</b>
Volkert, Inc.
<b>Years' experience with this Firm:</b>
21
<b>Education: Degree(s)/Year/Specialization:</b>
BS   Civil Engineering   1997
<b>Active registration: Year first registered/discipline:</b>
LA PE # 31272 01/01/2004 Civil Engineer
<b>Other experience and qualifications relevant to the proposed Project:</b>
Mr. Heraty has been with Volkert since 1998 and is responsible for engineering services associated with civil and structural engineering and construction projects. Mr. Heraty is a project manager with many years' experience in servicing the LA DOTD. His experience includes work in design, bridge inspection, and most-notably construction engineering and inspection. He is a certified structural concrete inspector/technician and also has his ATSSA Traffic Control Supervisor, Technician and Flagger certifications.



## Stephen Heraty, PE

*Construction Administration and Resident Inspection*

Mr. Heraty has been with Volkert since 1998 and is responsible for engineering services associated with civil and structural engineering and construction projects. Mr. Heraty is a project manager with many years' experience in servicing the LA DOTD. His experience includes work in design, bridge inspection, and most-notably construction engineering and inspection. He is a certified structural concrete inspector/technician and also has his ATSSA Traffic Control Supervisor, Technician and Flagger certifications.

### *Relevant work experience:*

**Pontilly Drainage Upgrade, New Orleans, Louisiana for the City of New Orleans** | Volkert will provide professional resident inspection, reporting, and verification services for eligible street repairs on assigned streets within the project boundary area. The Pontilly Neighborhood Stormwater Network project will reduce flood risk and beautify green spaces in the Pontchartrain Park and Gentilly Woods neighborhoods through the construction of green infrastructure strategies. The project will combine improvements to the Dwyer Canal with a network of interventions along streets, in alleyways, and within vacant lots designed to slow and store stormwater. These strategies reduce the burden on the strained drainage system, reduce land subsidence, and improve water quality - all while beautifying the neighborhood.

**I-220/I-20 Interchange Improvements to BAFB Access Design-Build Bossier Parish, LA, (LADOTD)** | Sr. Project Engineer. The I-220/I-20 Interchange Improvement and BAFB Access project in Bossier Parish consists of the extension of I-220 to the south over I-20 as a limited access 4-lane arterial to a new terminus on Barksdale Air Force Base (BAFB) and includes construction of four interchange ramps providing interchange connectivity for the new access road. The project includes the construction of two sets of bridge structures, one set for the I-20 over pass and the second set for the overpass of the KCS RR. The project terminus will tie to a BAFB roadway project creating a new access location for the base.

**Retainer Contract for Fabrication Inspection for LADOTD** | Sr. Project Engineer. This project consists of fabrication contract administration and fabrication engineering inspection services for fabrication plants in and out of state. Specific services performed for the project included: coordinating and conducting the pre-fabrication meeting; maintaining all construction field records; providing qualified personnel to perform all field sampling and testing and submitting and tracking field samples to the DOTD laboratory for testing.

**I-10 French Branch Bridge, West Pearl River, Routes I-10, I-12, I-59 for LADOTD** | Sr. Project Engineer. Volkert provided construction contract administration and construction engineering and inspection (CEI) services for the reconstruction of the I-10, I-12, and I-59 interchange in Slidell, Louisiana. The project consisted of clearing and grubbing, grading, drainage structures, cold planing asphaltic concrete, class II base course, superpave asphaltic concrete pavement, open graded friction course asphalt, Portland cement concrete pavement, temporary and permanent striping and lime treatment of sub-base. The project was a total reconstruction of 10.3 miles of roadway at the interchange. The existing concrete roadway was removed to the sub-base and replaced with over 200,000 tons of asphalt.

**Lane Additions to I-10 from Veterans Boulevard to Clearview Parkway for LADOTD** | Sr. Project Engineer. Volkert provided construction contract administration and construction engineering and inspection (CEI) services for the construction of additional lanes on I-10 between Veterans Boulevard and Clearview Parkway in Metairie, Louisiana. Volkert was responsible for construction engineering and inspection (CEI) services for the entire project. The Volkert team served as a DOTD Project Engineer's office and managed all aspects of the work in the same manner as an "inhouse" project.

### EXPERIENCE

22 years of experience  
21 years with Volkert

### EDUCATION

- ▼ BS, Civil Engineering, 1997

### REGISTRATION

- ▼ LA PE #31272
- ▼ MS PE #20361
- ▼ AL PE #30280

### TRAINING/ CERTIFICATIONS

- ▼ Structural Concrete Inspector/Technician, LDOTD
- ▼ Local Public Agency CEI Training, LDOTD
- ▼ ATSSA Traffic Control Supervisor
- ▼ ATSSA Traffic Control Technician
- ▼ ATSSA Certified Flagger
- ▼ Radiation Safety Officer, Troxler
- ▼ PCI Quality Control
- ▼ Personnel Certification, Level III
- ▼ OSHA 10-hour training
- ▼ OSHA 30-hour training

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b> Ryan Ordeneaux, PE Project Engineer
<b>Project Assignment:</b> Roadway / Utility Design
<b>Name of Firm with which associated:</b> Volkert, Inc.
<b>Years' experience with this Firm:</b> 2
<b>Education: Degree(s)/Year/Specialization:</b> BS   Civil Engineering   2003
<b>Active registration: Year first registered/discipline:</b> LA PE # 39476 01/28/2015 Civil Engineer
<b>Other experience and qualifications relevant to the proposed Project:</b> Mr. Ordeneaux has engineered a variety of projects over his 17-year career including roadway design, bridge replacements, and aviation design. This includes interstates, highway, and local roadway design; traffic control plan development; hydraulic improvements; and drainage improvement projects throughout Louisiana. He has served as a project estimator with project management and inspection experience.

## CAPABILITIES & QUALIFICATIONS OF PROJECT TEAM



### Ryan Ordeneaux, PE

*Roadway Utility Design*

Mr. Ordeneaux has engineered a variety of projects over his 18-year career including roadway design, bridge replacements, and aviation design. This includes interstates, highway, and local roadway design; traffic control plan development; hydraulic improvements; and drainage improvement projects throughout Louisiana. He has served as a project estimator with project management and inspection experience.

#### *Relevant work experience:*

**Plank Road, East Baton Rouge Parish, LA, Baton Rouge Metropolitan Airport** | Mr. Ordeneaux served as Lead Project Engineer for this project to relocate Plank Road along a new alignment. The project includes the design for a new 4 lane highway with J-turns. It also includes the design for additional lanes including sidewalks and widening lanes for complete street design along Harding and Hooper Road. Mr. Ordeneaux assisted in coordination with the survey, geotechnical engineering, and SUE services for this project. Volkert is providing design, environmental permitting, and ROW acquisition for the relocation of Plank Road on a new alignment.

**Roundabout at Highway 929 and Highway 930 in Prairieville, LA for Ascension Parish** | Mr. Ordeneaux served as Lead engineer for this project. Volkert was assigned a task order for the Move Ascension program to develop plans for a Roundabout Highway 929 and Highway 930, Prairieville, LA. The roundabout will replace the existing stop-controlled intersection and consists of a single lane asphalt roundabout. The roundabout was designed through SIDRA, AASHTO, and Louisiana DOTD standards. The project required a traffic analysis, development of construction plans, drainage improvements, lighting, topographic survey, ROW mapping, geotechnical services and SUE services.

**I-10 (Williams Boulevard to Veterans Memorial Boulevard), and Loyola Drive to Williams Boulevard in Jefferson Parish, Louisiana for the Louisiana Department of Transportation and Development (LA DOTD), c/o GEC, Inc.** | Mr. Ordeneaux served as Project Engineer for this project. This project involved the design of a new subsurface drainage system. It has approximately six major crossings that outfall into Canal No. 3, which parallels the interstate in this area. These drainage systems not only serve as the roadway drainage, but they also drain large segments of residential areas of Jefferson Parish that are located to the north of I-10. This approach required careful coordination with Jefferson Parish and the LA DOTD to ensure that all water elevations and drainage assumptions used were accurate and met all required design criteria.

**Filmore South (Group A), final design services and pending construction phase services for Filmore South (Group B), and pending design services for Filmore South (Group C) for the City of New Orleans Department of Public Works in New Orleans, Louisiana** | The City created the Filmore Road Recovery project to restore the area's aging infrastructure and includes most area streets for various type of improvement including full reconstruction, concrete panel replacement, patch/mill/overlay (resurfacing of asphalt streets) and sidewalk repairs over 80 blocks in the Filmore South Group area. Volkert's responsibilities include providing survey, preliminary and final design services and construction phase services for Filmore South Group A, Group B, and for Filmore C with Filmore Group A nearing completion of construction, Group B just recently bid for construction and Group C just beginning design. **Filmore South Group A (RR042)** – Construction is nearing an end on approximately 33,000 linear feet of street corridor improvements including incidental repairs, concrete panel replacement, patch/mill/overlay, and non-paving incidentals on sections of 28 local streets. **Filmore South Group B (RR043)** – Bids have been received and construction will soon begin on approximately 3,500 linear feet of full pavement replacement of several local streets including significant sections of Cartier Avenue and Owens Boulevard, including all new pavement, sidewalks, ADA handicapped ramps, new water lines, new sewer lines, lining of sewer services laterals, and new drainage lines, as well as incorporation of the outfalls from the adjacent Mirabeau Garden stormwater management and green infrastructure project, and special consideration of pavements near aged oak trees.

#### EXPERIENCE

16 years of experience

2 years with Volkert

#### EDUCATION

- ▼ BS, Civil Engineering, 2003

#### REGISTRATION

- ▼ LA PE #39476

#### TRAINING/ CERTIFICATIONS

- ▼ Traffic Control Supervisor

## CAPABILITIES & QUALIFICATIONS OF PROJECT TEAM

**Filmore South Group C (RR044)** – Design is well underway and will consist of over 6,000 linear feet full pavement replacement of several local streets including Seville, Granada and Bancroft in the Filmore Group area north of Mirabeau Avenue. This will also include all new pavement, sidewalks, ADA handicapped ramps, new water lines, new sewer lines, lining of sewer services laterals, and new drainage lines, keeping in mind the recommendations of the Mirabeau Gardens stormwater management and green infrastructure project, as well as special consideration of pavements near aged oak trees.

**TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b> Lloyd Ostendorf Project Inspector
<b>Project Assignment:</b> Construction Administration and Resident Inspection
<b>Name of Firm with which associated:</b> Volkert, Inc.
<b>Years' experience with this Firm:</b> 13
<b>Education: Degree(s)/Year/Specialization:</b> N/A
<b>Active registration: Year first registered/discipline:</b> N/A
<b>Other experience and qualifications relevant to the proposed Project:</b> Mr. Ordeneaux has engineered a variety of projects over his 17-year career including roadway design, bridge replacements, and aviation design. This includes interstates, highway, and local roadway design; traffic control plan development; hydraulic improvements; and drainage improvement projects throughout Louisiana. He has served as a project estimator with project management and inspection experience.



## Lloyd Ostendorf

*Construction Administration and Resident Inspection*

Mr. Ostendorf joined Volkert in 2008 and serves as Construction Inspector for Louisiana based roadway and bridge projects. He has several LADOTD inspection certifications as well as his ATSSA traffic Control Supervisor and Technician certifications. He is also a registered ATSSA Flagger.

### *Relevant work experience:*

**I-10: French Branch Bridge – West Pearl River Bridge, Routes I-10, I-12, I-59, St. Tammany Parish, LA (LADOTD)** | Construction Inspector. Volkert provides construction contract administration and CE&I for the clearing and grubbing, grading, drainage structures, cold planing asphaltic concrete, Class II Base Course, Superpave asphaltic concrete pavement, Portland Cement Concrete Pavement, and lime treatment.

**I-10: Veterans Boulevard to Clearview Parkway, Jefferson Parish, LA (LADOTD)** | Construction Inspector. Volkert provided construction contract administration and CE&I services for additional lanes. The project consisted of adding lanes and full width shoulders in each direction to the existing roadway and bridges, increasing drainage capacity, cold planing asphaltic pavement, Class II base course, Superpave asphaltic concrete pavement, asphaltic concrete SMA wearing course, new roadway signing and lighting, sound barrier walls, slab span and girder span bridges, pavement markings, waterline relocation, sewer force main relocation, and related work. Mr. Ostendorf served as inspector for this project.

**Retainer Contract for Fabrication Inspection, Statewide, LA (LADOTD)** | Project Administrator. These retainer fabrication inspection projects consist of fabrication contract administration and fabrication engineering inspection services for fabrication plants in and out of state. Mr. Ostendorf is the Project Administrator responsible for oversight and inspection staff at prestress/precast tasked with pre-pour and post-pour inspection, stressing operations, material sampling and testing, and all documentation, per DOTD requirements.

**I-220/I-20 Interchange Improvements to BAFB Access Design-Build Bossier Parish, LA, (LADOTD)** | Construction Inspector. The I-220/I-20 Interchange Improvement and BAFB Access project in Bossier Parish consists of the extension of I-220 to the south over I-20 as a limited access 4-lane arterial to a new terminus on Barksdale Air Force Base (BAFB) and includes construction of four interchange ramps providing interchange connectivity for the new access road. The project includes the construction of two sets of bridge structures, one set for the I-20 over pass and the second set for the overpass of the KCS RR. The project terminus will tie to a BAFB roadway project creating a new access location for the base. Volkert is providing Construction Phase services for this \$71.8M Design-Build Project.

### *Prior to joining Volkert, Mr. Ostendorf gained the following experience:*

Mr. Ostendorf retired from DOTD as Senior Fabrication Inspector with 33 years with DOTD and 15 years as Senior Engineering Technician assigned to the State Fabrication Engineer's Office responsible for supervision of inspection staff at multiple prestress/precast production facilities in Louisiana and across the Southeastern United States.

### EXPERIENCE

46 years of experience  
13 years with Volkert

### TRAINING/ CERTIFICATIONS

- ▼ LA DOTD Asphalt Plant Inspector
- ▼ ATSSA Traffic Control Supervisor
- ▼ ATSSA Traffic Control Technician
- ▼ ATSSA Registered Flagger
- ▼ TWIC Card Expires 2020DEC14

## TEC Professional Services Questionnaire

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

### PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Port of Iberia Millennium Expansion Project New Iberia, Louisiana  Port of Iberia c/o CB&I Glenn Ledet, CB&I (225) 987-7170	The project involved the partial relocation of an existing 6" sanitary sewer force main and expansion of the Port of Iberia waste water treatment plant. The force main relocation was needed due to port expansion of Slip C-8. The treatment plant expansion was related to the overall port expansion to ensure treatment capacity into the future.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	Volkert Fee \$56K Construction Cost \$4,656K	Volkert Fee \$56K Construction Cost \$4,656K

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
West Baton Rouge Parish Emergency Generators for the West Baton Rouge Parish  West Baton Rouge Parish Jason Manola 225-383-4755	Volkert was responsible for the preparation of preliminary and final engineering design services and preparation of plan for the installation of selected generators. These services included topographic surveys, and construction plans and specifications preparation. These natural gas generator systems vary from 25KW to 125KW on various single- phase and three phase medium voltage systems.  Electrical design included analysis and design for standby generators at 30 lift stations. Each station required transfer switches to transfer the load to the generator in case of power outage or to act as a service disconnect during emergency situations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	\$44K	\$44K

## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
Lift Station No. 21 Equalization Storage Tank and Pumping Improvements Tuscaloosa, Alabama  City of Tuscaloosa; Jarrod Milligan, Deputy Executive Director 205-248-5253 jmilligan@tuscaloosa.com	Volkert's scope of services included a study phase, preliminary engineering, final design, bid phase services, and construction phase services. The scope of the project includes significant upgrades to Lift Station No. 21 to reduce Sanitary Sewer Overflows (SSO's) upstream of the lift station (LS). The LS will be converted from a wet well/dry well configuration to a submersible LS that includes two dry weather pumps and two wet weather pumps. The project includes a complete upgrade of the piping, mechanical, and electrical systems. A new 2 million gallon side stream storage tank is also part of the scope and it will be located immediately adjacent to the existing LS to allow collected wet weather flow to return to the collection system via gravity flow.	
<b>Completion Date (Actual or estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2021	\$6.43M (Construction Cost)	\$613K (Volkert Fee)

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Center Street Lift Station Mobile, AL  Mobile Area Water & Sewer System (MAWSS) Doug Cote (251) 694-3188	The need for a new lift station (LS) at Center Street evolved into a need for a new LS in the parking lot of the USA Children's and Women's hospital. The scope also included a small segment of 6-inch HDPE force main that utilized directional drilling and slip lining techniques. The high profile location also required innovative design solutions to achieve the necessary aesthetic requirements.  Volkert provided detailed design services to develop the bid package for both phases of this project. Volkert performed all design phase, bid phase, and construction observation services. Volkert identified easement requirements, participated in negotiations with the property owners, identified permitting requirements, and determined the survey and geotechnical requirements. Volkert coordinated with Alabama Power Company and Mobile Gas to provide utility services. Volkert supervised the construction of the sewage lift station and a small segment of 6- inch HDPE force main. Some of the force main installation involved directional drilling installation methods and a small portion of slip-lined force main. The project included an above ground power center, emergency generator or backup pump, and odor control	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2009	\$2.1M (Construction Cost)	\$246K (Volkert Fee)

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Lift Station No. 3 Equalization Storage Tank and Pumping Improvements Tuscaloosa, Alabama</p> <p>City of Tuscaloosa; Jarrod Milligan, Deputy Executive Director 205-248-5253 jmilligan@tuscaloosa.com</p>	<p>Volkert performed study phase, preliminary design, and detailed design services for this project. The City is experiencing Sanitary Sewer Overflows (SSO's) upstream of Lift Station (LS) No. 3 and needs a LS upgrade in order to reduce them. Volkert reviewed the existing wet well/dry well configuration and recommended conversion to a submersible LS design. The new design includes coating the existing wet well and dry well in order to convert to a complete wet well design. The project scope included all new mechanical, piping, and electrical systems. A new power center will be constructed by converting the existing generator building. A new generator sized to carry all three of the new submersible pumps is included. Volkert performed all design and permitting services for this project. Upon funding approval, Volkert will also perform bid phase and construction phase services.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2020 (Design)	<p>\$5.4M (Construction Cost)</p>	<p>\$536K (Volkert Fee)</p>

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Conti St. Lift Station and Sewer Station Improvements.</p> <p>Mobile Area Water &amp; Sewer System (MAWSS) Doug Cote (251) 694-3188</p>	<p>In an effort to eliminate two depressed sanitary sewer sections in the Monterey Street area, MAWSS contracted with Volkert to evaluate the project area and determine the best and the most economical approach. Volkert found that due to the fixed invert elevations upstream and downstream of the project area, eliminating the depressed sanitary sewer sections required construction of a new lift station in order to lower the profile of gravity sewer. Volkert performed design, permitting and bid prime services for the new list station in a historical district.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2008	<p>\$1.3M (Construction Cost)</p>	<p>\$156K (Volkert Fee)</p>

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Monroe St. Lift Station Daphne Utilities  Daphne AI Utilities Board Scott Polk 251-626-2628	The Monroe Street Lift Station (LS) was originally constructed prior to development immediately adjacent to its location. The Owner determined that the LS had reached the end of its useful life and also desired to relocate the LS away from the business. Volkert performed easement related services to assist the Owner in obtaining a more desirable location for the LS. Volkert provided all design, permitting, bid phase, and construction phase services for this project. The scope included a new submersible LS and wall surrounding the LS to improve its aesthetics without compromising maintenance access. Volkert also designed the revisions to the influent gravity section of piping as well as the revised force main design.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2019	\$421K (Construction Cost)	\$60K (Volkert Fee)

<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
CIAP Sewer Expansion for the Mobile County Water, Sewer and Fire Protection Authority (MCWSFPA)	The current project will involve the installation of approximately 28 miles of sanitary sewer trunk mains within a sub-unit of the greater Mobile County Water, Sewer and Fire Protection Authority service area. Approximately 2,000 residences are located within the project service area, and the project includes funding to provide grinder stations, lateral connections, and septic tank abandonment procedures (to be coordinated with the Mobile County Health Department) for approximately 400 of these residences.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2016	\$896K	\$896K

## TEC Professional Services Questionnaire

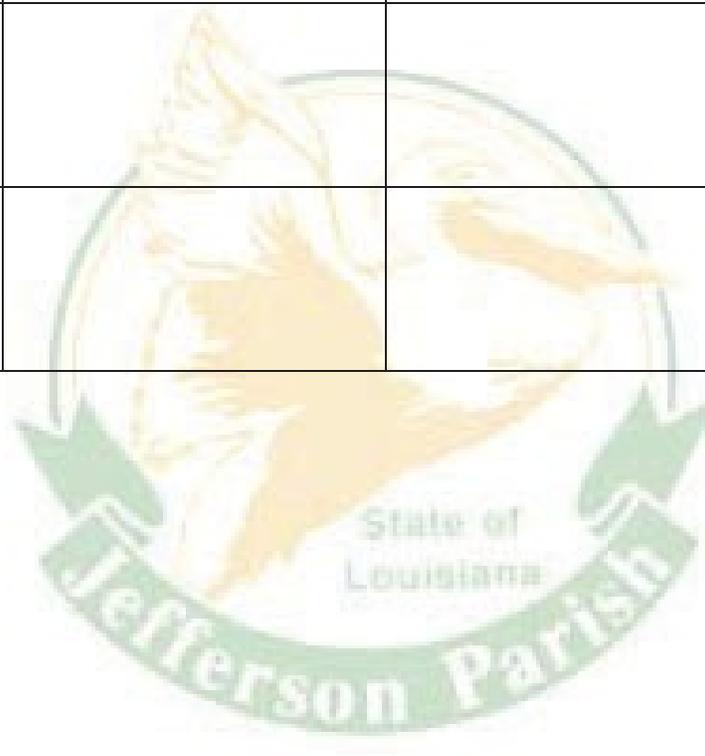
<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
St. Landry Road – Edenborne Connector (Sewer Portion)  Ascension Parish Louisiana Tracie Rabalais Ascension Parish, LA 225-450-1386	Initial schematic recommendations for the connection of sewer to the treatment plant were developed for this project. A new sewer is to be constructed from the Edenborne Connector/St. Landry Road intersection to the existing Lamar Dixon sewage treatment plant. Volkert analyzed alternatives including future installation of a new sewer lift station, gravity sewers, force mains, manholes, extending the new sewer, sewer depth, and other needs for future development along the corridor.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2015	\$1,138M	\$1,138M

<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Sewer Model Maintenance City of Gonzales, Louisiana  City of Gonzales, LA 120 S. Irma Blvd. Gonzales, LA 70737 Jackie Baumann 225-647-9589	Volkert is under contract to the City of Gonzales on an ongoing basis to maintain the City of Gonzales sewer model as required by the City. This includes the addition of new wastewater infrastructure to the model such as gravity mains, force mains, manholes, pump stations, and any upgrades to the existing infrastructure. Other tasks associated with the maintenance includes adding flows from new or proposed developments, re-routing flows, and analyzing the various effects that increased sewer loading and re-routing can cause. We analyze how the current and proposed infrastructure is changed from the existing conditions to proposed conditions and make suggestions based on the combination of model results and engineering knowledge.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2017	\$55K	\$55K

## TEC Professional Services Questionnaire

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

<b>Parties:</b>		<b>Status/Result of Case:</b>
<b>Plaintiff:</b>	<b>Defendant:</b>	
1. None		
2.		
3.		
4.		



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

Volkert has served a long list of water and wastewater utility clients including cities, local municipalities, counties/parishes and private utility companies. Our performance is best evidenced by the long-term relationships that we have established with our clients including the client list from Alabama, Mississippi, Louisiana, and Florida for water and wastewater services found below.

Volkert has provided services similar to those anticipated for this contract to the following clients:

- ▼ New Orleans Sewerage and Water Board
- ▼ Atlanta Department of Watershed Management
- ▼ Mobile Area Water & Sewer System
- ▼ Birmingham Waterworks Board
- ▼ Daphne Utilities Board
- ▼ Emerald Coast Utility Authority
- ▼ City of Fairhope
- ▼ City of Saraland
- ▼ Diamondhead Water and Sewer District
- ▼ Rivera Utilities
- ▼ City of Gulf Shores Utility Board
- ▼ City of Biloxi
- ▼ City of Mobile
- ▼ Harrison County Utilities Authority
- ▼ City of Orange Beach
- ▼ West Baton Rouge Parish
- ▼ City of Natchez
- ▼ City of Pritchard
- ▼ Alabama State Port Authority
- ▼ Mobile County Water, Sewer, and fire Protection Authority
- ▼ Pritchard Water Works and Sewer Board
- ▼ Jefferson County Environmental Services
- ▼ City of Daphne
- ▼ ALDOT
- ▼ Baldwin County Commission
- ▼ Jefferson County Commission
- ▼ Mobile County Commission
- ▼ City of Tuscaloosa
- ▼ City of Foley
- ▼ City of Satsuma
- ▼ City of Creola
- ▼ City of Chickasaw
- ▼ Dauphin Island Water and Sewer Authority

Successful projects only happen as the result of thoughtful planning and effective execution. Volkert, Inc. (Volkert) has strategically crafted a team of professionals that not only bring prior experience and understanding to Jefferson Parish's workings, needs, and challenges, but also bring a fresh perspective. The Volkert Team will be led by Volkert, Inc. and major subconsultant, Linfield, Hunter and Junius (LHJ) and supported by Eustis Engineering, LLC for geotechnical services. Both LHJ and Eustis are well-known to Jefferson Parish for their long history developing similar projects.

LHJ brings a wealth of local water, wastewater, and watershed protection infrastructure project experience with a track record of providing best-value innovative ideas, along with their proven ability to apply their expertise in solving the water resource management challenges. Together, the Volkert Team offers industry leading expertise in a nimble and fluid team structure that focuses on client service.

**We believe that our proposed team provides the skill sets that Jefferson Parish is seeking for expert project delivery, control project costs/schedules, and achieve the project objectives.** We have carefully identified individual leaders and experts that will fill key roles. We have assembled our team to focus on customer service and technical quality. Below is a summary of the differentiating qualities that the Volkert team will bring to Jefferson Parish:

#### Customer Service Focus

- ▼ Client Focused Perspective
- ▼ Rapid and Agreed Upon Response Times
- ▼ Minimization/Mitigation of Change Orders
- ▼ Support Team-Client Communication
- ▼ Support Cooperative Relationships at All Levels
- ▼ Support Conflict Resolution

#### Fresh Perspective

- ▼ Listen first and apply an attentive PM approach
- ▼ Prepared to adapt to PM processes and needs

#### Technical Expertise

- ▼ Process and infrastructure design leaders including some with individual experience ranging from 20-40 years
- ▼ Proven track record of successful, innovative project delivery
- ▼ Constructability and cost-estimating experts
- ▼ Deep resume of projects completed by alternative delivery

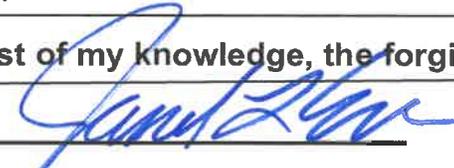
#### Innovative Ideas

- ▼ Total Cost of Ownership Analysis
- ▼ Process Optimization/Energy Saving
- ▼ Regional Solutions for Biosolids Disposal
- ▼ Alternative Project Delivery Owner's Representative

Volkert provides services in four (4) primary markets: Water, Environmental, Energy, and Transportation. Volkert has provided expert engineering services for water and wastewater transmission and treatment systems for decades. We understand the challenges of balancing budgets, community growth, and regulatory demands. We assist municipalities, state and federal government agencies, and private clients with identifying system needs, developing long-range strategic plans, and facilitating funding for necessary improvements. Our professionals provide cost-effective solutions for environmental compliance, pollution prevention, and management of natural resources. Volkert works with its clients every step of the way, including initial investigations and feasibility studies; financing; environmental permitting; engineering design; construction-phase services; and operations and maintenance training.

Volkert resources for this project have unique understanding of lift station projects through previous evaluations. – odor control evaluation, mechanical/electrical evaluation, flow projections to determine upgrade and equalization needs, force main analysis to confirm upgrade requirements. Volkert resources are trained/equipped for safe confined space entry, minimizing the need for City resources to be committed during evaluation/design/ construction. Volkert can integrate evaluation data with asset management tools to standardize data collection/integration and to provide an objective appraisal. attention or replacement.

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

**Signature:** 

**Print Name:** Janet L. Evans, PE

**Title:** Vice President

**Date:** May 26, 2021



Affiant further said:

Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B   X   There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

Solicitation of Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all elected officials of the Parish of Jefferson, whether still holding office at the time of the affidavit or not, where the elected official, individually, either by **telephone or by personal contact**, solicited a campaign contribution or other monetary consideration from the Entity, including the Entity's officers, directors and owners, and employees owning twenty-five percent (25%) or more of the Entity, during the two-year period immediately preceding the date the affidavit is signed. Further, to the extent known to the Affiant, the date of any such solicitation is included on the attached list.

Choice B   X   there are **NO** solicitations for campaign contributions which would require disclosure under Choice A of this section.

Affiant further said:

Subcontractor Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A   X   Affiant further said that attached is a listing of all subcontractors, excluding full time employees, who may assist in providing professional services for the aforementioned SOQ.

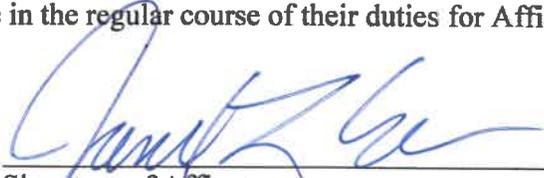
Choice B        There are **NO** subcontractors which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

*[The remainder of this page is intentionally left blank.]*

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.



Signature of Affiant

Janet L. Evans

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 26<sup>th</sup> DAY OF May, 2021.



Notary Public

Stephanie P. Ducote  
Printed Name of Notary

83224  
Notary/Bar Roll Number



My commission expires at death.

<b>Contributions Made to Elected Officials of Jefferson Parish</b>			
<b>Name of Official</b>	<b>Running for</b>	<b>Contribution Amount</b>	<b>Date Contributed</b>
Friends of Jefferson Parish Public Schools		\$1,000.00	04/16/2019
Cynthia Lee- Sheng	Jefferson Parish President	\$2,500.00	07/19/2019
Billy North	Jefferson Parish School Board	\$300.00	07/17/2019
Deano Bonana	Jefferson Parish Council	\$500.00	03/20/2020
Deano Bonana	Jefferson Parish Council	\$500.00	04/23/2021
<b>Subconsultant List</b>			
Linfield Hunter & Junius	Survey, and Design, Construction management and resident inspection services as needed.		
Eustis Engineering	Geotechnical		

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

Name: Public Address:  
Volkert, Inc. P. O. Box 7434  
Mobile, AL 36670

**License/Certificate Information w/ Supervision**

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0002500	ACTIVE	03/28/2000	09/30/2022	Mr. David Michael Webber # PE.0028016 - Active Mr. John Gary Horn # PE.0028980 - Active Mr. Stephen Pence Heraty # PE.0031272 - Active Ms. Janet Leigh Evans # PE.0021307 - Active



## Professional Engineering Service

PROFESSIONAL ENGINEERING SERVICES RELATED TO THE DESIGN FOR THE  
REHABILITATION OF THE TRANSCONTINENTAL & BELLE LIFT STATION (E8-1).

**RESOLUTION NO. 137449**

# *TEC Professional Services Questionnaire*



**LINFIELD, HUNTER & JUNIUS, INC.**  
PROFESSIONAL ENGINEERS, ARCHITECTS AND SURVEYORS

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

Professional Engineering Services for the Rehabilitation  
Of the Transcontinental & Belle Lift Station (E8-1)  
  
Resolution No. 137449

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

LINFIELD, HUNTER & JUNIUS, INC.  
3608 18<sup>th</sup> Street, Suite 200  
Metairie, LA 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:**

Nathan J. Junius, P.E., P.L.S., Vice President  
Linfield, Hunter & Junius, Inc.  
3608 18<sup>th</sup> Street, Suite 200  
Metairie, LA 70002  
504-833-5300 504-833-5350 fax  
njunius@LHJunius.com

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

Nathan J. Junius, P.E., P.L.S., Vice President  
Linfield, Hunter & Junius, Inc.  
3608 18<sup>th</sup> Street, Suite 200  
Metairie, LA 70002  
504-833-5300 504-833-5350 fax  
njunius@LHJunius.com

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

<u>5</u> Administrative	— Estimators	— Specification Writers
<u>1</u> Architects (Licensed)	— Geologists	<u>4</u> Structural Engineers
— Chemical Engineers	— Geotechnical Engineers	— Graduate Engineers
<u>10</u> Civil Engineers	— Interior Designers	— Project Managers
<u>5</u> Construction Inspectors	— Landscape Architects	<u>1</u> Clerical
— Ecologists	<u>3</u> Land Surveyor	— Grant/Funding Specialist
— Electrical Engineers	— Mechanical Engineers	— Sanitary Engineers
<u>5</u> Engineer Intern	— Environmental Engineers	<u>3</u> CADD Drafters
<u>2</u> Professional Land Surveyors	<u>1</u> Architect Intern	<u>40</u> TOTAL

**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.

Staffing Plan – A Diagram showing all key personnel that would be available for assignment. The Staffing Plan should also include the same information for sub-consultants (if applicable).

**LINFIELD, HUNTER & JUNIUS, INC.  
STAFFING PLAN**



**Routine Engineering Services  
for Rehabilitation of the  
Transcontinental & Belle Lift  
Station (E8-1)**

**Resolution No. 137449**

**Subconsultant**



**LINFIELD, HUNTER & JUNIUS, INC.**  
PROFESSIONAL ENGINEERS, ARCHITECTS AND SURVEYORS

**Management Team**

**Nathan J. Junius, P.E., P.L.S.**  
*Principal in Charge*

**Robert E. Nockton, P.E.**  
*Project Manager*

**Design Team**

**Civil Engineering**

Sergio J. Girau, P.E.  
Senior Civil Engineer

Luis F. Sosa, P.E.  
Lead Civil Engineer

Wesley R. Eustis, P.E.  
Civil Engineer

Mark K. Annino, E.I.

**Land Surveying**

Wesley R. Eustis, P.E.  
Land Surveyor

Daniel D. Bindewald  
Survey Party Chief

Paul H. Morales, IV  
Survey Party Chief

**Structural Engineering**

Anthony F. Goodgion, P.E.  
Senior Structural Engineer

Daniel F. Bobeck, P.E.  
Structural Engineer

**Construction Administration  
and Resident Inspection**

Nicholas P. Talbot  
Resident Inspector

Bryce L. Vazquez  
Resident Inspector

**G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.**

1. N/A

2. N/A

**H. Has this JOINT-VENTURE previously worked together? Please check:**

YES  NO

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

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

**J. Please specify the total number of support personnel that may assist in the completion of this Project:**

15

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:**

Nathan J. Junius, P.E., P.L.S., PTOE, Vice President

**Project Assignment:**

Principal In Charge

**Name of Firm with which associated:**



**LINFIELD, HUNTER & JUNIUS, INC.**

**Years' experience with this Firm:**

19 Years

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

Tulane University / 2001 / B.S. / Civil Engineering  
University of Texas / 2002 / M.S. / Civil Engineering

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

2002 / Civil / LA License No. PE.0031843 - 2005 / Land Surveying / LA License No. PLS.0004958

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



Junius has over 19 years of project management, engineering design and construction management experience, with specialized expertise in the planning, permitting, design and construction management for a diverse range of public and private sector projects. Civil projects include major drainage canals, drainage pump stations, site developments, miles of streets, wastewater treatment plants, sewage collections systems, sewer force mains and waterline distribution projects. He has also served as an expert in disputes involving drainage and land surveying.

Junius has conducted numerous boundary, topographic, resubdivision surveys, route surveys, ALTA surveys, hydrographic surveys, utility surveys throughout Louisiana, Mississippi and Texas. ATSSA – Certified Flagger/Traffic Control Technician/Traffic Control Supervisor

**SEWER PROJECTS**

**N. HULLEN AND VETERANS / EDENBORN AND VETERANS FORCE MAIN EXTENSION WITH LIFT STATION IMPROVEMENTS, METAIRIE, LA**

This project consisted of the installation of approximately 6,300 linear feet of new HDPE force main by horizontal directional drilling and the rehabilitation of two sewage lift stations.

**KENNER WASTEWATER TREATMENT PLANT NO. 3 EXPANSION, KENNER, LA**

Wastewater treatment plant No. 3 expansion from 42 MGD to 62 MGD.

**PARISHWIDE WATER AND SEWERAGE PLANNING, PLAQUEMINES PARISH, LA**

Performed analysis of existing water and sewage collection facilities Parish-wide and developed a master water and sewerage plan to provide public sewerage to presently un-sewered areas and to provide for future Parish-wide growth.

**SEWAGE COLLECTION SYSTEMS FOR NAS HOUSING, BELLE CHASSE, LA**

This project includes the installation of a sewage collection system and potable water distribution system to service 500 townhouses in a new Navy housing development. The system included 2 miles of gravity sewerage, 1 mile of sewage force main, 3 sewage lift stations and the installation of **multiple 8" diameter PVC waterline loops.**

**EXPANSION OF BELLE CHASSE WASTEWATER TREATMENT PLANT, BELLE CHASSE, LA**

Lead Engineer for the expansion of the plant from 6MGD to 12 MGD including the rehabilitation of existing bio-towers and sludge drying beds and **replacement of numerous site waterlines.**

**LAND SURVEYING**

Junius has been responsible for survey operations and daily direction of the survey crew. He was also responsible for the QA/QC of multibeam deliverables. Junius has provided virtual reference station (VRS)/ real time kinematic (RTK) surveys and 3rd Order Levels for Control as well as hydrographic multibeam surveys. Deliverables included an EM Files, ASCII Files, XYZ Files and a detailed survey report.

Junius is proficient with Leica Dual Frequency RTK Rovers, Leica DNA03 Digital Auto Level, Leica GPS Base Station, G-882 Magnetometer Leica Total Robotic Total Station, Leica Geo Office, Carlson Survey/Civil Software, Autocad 2016 and Civil 3D.

Junius has conducted numerous boundary, topographic, resubdivision surveys, route surveys, ALTA surveys, hydrographic surveys, utility surveys throughout Louisiana, Mississippi and Texas.

Junius has provided first order leveling for hundreds of miles of levee construction including many floodwalls and pump stations. ROW maps, levee profiles and cross sections were also provided before and after construction to confirm as-built conditions.

Junius is a member of the New Orleans Chapter American Society of Civil Engineers, American Public Works Association, Louisiana Engineering Society, Society of American Military Engineers, Louisiana Society of Land Surveyors and American Council of Engineering Companies of Louisiana/New Orleans Chapter. He has served as board member and president of several of these organizations.

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

**Name & Title:**

Robert E. Nockton, P.E., Civil Engineer

**Project Assignment:**

Project Manager

**Name of Firm with which associated:**



**LINFIELD, HUNTER & JUNIUS, INC.**

**Years' experience with this Firm:**

25 Years

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

Rice University / B.S. / 1995 / Civil Engineering

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

2000 / Civil / LA License No. PE.0028802

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



Nockton has been involved in the engineering of a wide variety of projects including improvements to major drainage structures, storm water management systems with green infrastructure, drainage pump stations, drainage studies, urban streets projects, water and **sewerage studies**, new waterlines and **sewer lines**, waterline and **sewer line replacement and upgrades, wastewater pump station design and rehabilitation**, utility relocations, surveying and site design. Nockton has been Project Manager and/or Lead Civil Engineer on many successful projects in the past five years. ATSSA – Certified Flagger/Traffic Control Technician/Traffic Control

Supervisor

**N. Hullen and Veterans / Edenborn and Veterans Force Main Extension with Lift Station Improvements, Metairie, LA**

Nockton is the **Project Manager** for this project. This project consists of the installation of approximately **6,300 linear feet of new HDPE force main** by horizontal directional drilling and the **rehabilitation of two sewage lift stations**.

**SANITARY SEWERAGE SYSTEM ALONG LOUISIANA HIGHWAY 23 FROM BELLE CHASSE WASTEWATER TREATMENT PLANT TO LA REUSSITE, PLAQUEMINES PARISH, LA**

Nockton is the **Project Manager** for this project. This project consists of the construction of sanitary sewerage, force mains, three large transfer lift stations, numerous minor lift stations and house connections along a 10-mile reach of presently unsewered area.

## **ADDITIONAL EXPERIENCE AND QUALIFICATIONS**

### **INCREASE PUMPING CAPACITY OF SEWAGE LIFT STATION NOS. 4 AND 7, BELLE CHASSE, LA**

Nockton was **Project Manager** and Lead Civil Engineer for this project. This project included construction of new discharge force mains, upgrading of lift station pumps and motors and rehabilitation of the Lift Station No. 7 wet well.

### **PARISHWIDE WATER AND SEWERAGE PLANNING, PLAQUEMINES PARISH, LA**

Nockton was Lead Civil Engineer for this project. Performed analysis of existing sewage collection facilities Parish-wide and developed a master sewerage plan to provide public sewerage to presently unsewered areas and to provide sewerage for future Parish-wide growth.

### **EAST BANK SEWERAGE EXTENSIONS, POINTE-A-LA-HACHE TO BOHEMIA, PLAQUEMINES PARISH, LA**

Nockton was **Project Manager** and **Lead Civil Engineer** for this project. This project included the installation of a 2-mile long **combination gravity/low pressure sewage collection system** including three sewage lift stations and individual grinder pump stations.

### **KENNER WASTEWATER TREATMENT PLANT NO. 3 EXPANSION, KENNER, LA**

Nockton is **Project Manager** and Lead Civil Engineer for this plant expansion from 42 MGD to 62 MGD.

### **EXPANSION AND REHABILITATION OF THE BELLE CHASSE WASTEWATER TREATMENT PLANT, PLAQUEMINES PARISH, LA**

Nockton was **Project Manager** and Lead Civil Engineer for a plant expansion from 6 MGD to 12 MGD and including rehabilitation of existing clarifiers, bio towers and sludge drying beds.

### **SEWAGE COLLECTION AND WATER DISTRIBUTION SYSTEMS FOR NAS HOUSING, BELLE CHASSE, LA**

Nockton was Lead Civil Engineer for this project. This project included the installation of a **new sewage collection system** and potable water distribution system to service 500 townhouses in a new Navy housing development. The system included **two miles of gravity sewerage, one mile of sewage force main, three sewage lift stations** and the installation of multiple 8" diameter PVC waterline loops.

### **RUSSELL STREET IMPROVEMENTS, JEFFERSON PARISH, LA**

Nockton was Lead Civil Engineer for this project. This project entailed the installation of approximately 1,100 feet of new 45-inch by 73-inch arch pipe beneath Stephen Drive from Russell Street to the Soniat Canal, the reconstruction of Stephen Drive and **sanitary sewer line relocation**.

### **SANITARY SEWERAGE REPLACEMENT IN LOWER TRIUMPH, PLAQUEMINES PARISH, LA**

Oversaw the cleaning, television inspection and smoke testing of sanitary sewer lines and used the results of the television inspection and smoke testing to develop plans for sewer point repairs and rehabilitation of a deteriorated sewage lift station.

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

**Name & Title:**

Sergio J. Girau, P.E., Vice President, Civil Engineer

**Project Assignment:**

Senior Civil Engineer

**Name of Firm with which associated:**



**LINFIELD, HUNTER & JUNIUS, INC.**

**Years' experience with this Firm:**

32Years

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

Louisiana State University - B.S. / 1984 / Civil Engineering

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

1994 / Civil / LA License No. PE.0025617

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



Girau specializes in the design and construction administration of civil projects such as urban streets, highways, bridges, site developments, subdivisions, parking facilities, storm water management systems, drainage canals and drainage structures.

Girau has varied project management experience for a wide range of public clients including federal, state and local governments; and private clients, including commercial, institutional and industrial. Girau has successfully managed government projects for Jefferson Parish Department of Public Works, City of New Orleans Department of Public Works, LA-DOTD, Port of New Orleans, Sewerage & Water Board of New Orleans, Orleans Levee Board, U.S. Army Corps of Engineers, and Plaquemines Parish Department of Public Works. As project manager, Girau has overseen the successful preparation of studies, reports, construction plans and specifications of a wide variety of projects including roads and bridges.

**N. HULLEN AND VETERANS / EDENBORN AND VETERANS FORCE MAIN EXTENSION WITH LIFT STATION IMPROVEMENTS, METAIRIE, LA**

Girau was the Principal in Charge of this project. This project consisted of the installation of approximately 6,300 linear feet of new HDPE force main by horizontal directional drilling and the rehabilitation of two sewage lift stations.

**MAGAZINE STREET / PRYTANIA STREET RECONSTRUCTION, NEW ORLEANS, LA**

Girau was the Project Manager for this project. This project entailed the reconstruction of 26,500 feet of roadway including **replacement of sanitary sewer lines** and utility relocation.

**LOUISVILLE STREET / CATINA STREET RECONSTRUCTION, NEW ORLEANS, LA**

Girau performed as Project manager for this project. This project entailed the reconstruction of 3,950 feet of roadway including **replacement of sanitary sewer lines** and utility relocation.

**EAST AND WEST LIVINGSTON PLACE ROADWAY IMPROVEMENTS, METAIRIE, LA**

Girau performed as Project Manager for this project. This project consisted of the reconstruction of East and West Livingston Place including installation of new subsurface drainage, **sanitary sewer line replacement** and utility relocation.

**DILLARD UNIVERSITY IMPROVEMENTS, NEW ORLEANS, LA**

Girau performed as Project manager for this project. LH&J was engaged by Dillard University to design multiple infrastructure projects including improvement of the campus-wide drainage facilities, roadways, parks, pervious pavements, bioswales, parking lots, tennis courts and **new sanitary sewerage with lift station** for new Professional Schools and Student Union Buildings.

**HOLLYGROVE DRAINAGE IMPROVEMENTS, NEW ORLEANS, LA**

Girau performed as Lead Civil Engineer for this project. LH&J designed all improvements including the covered box culverts, subsurface drainage, two drainage pumping stations, **sanitary sewerage replacement and relocation**, utility relocations and roadway reconstruction.

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

**Name & Title:**

Luis F. Sosa, P.E., Civil Engineer

**Project Assignment:**

Lead Civil Engineer

**Name of Firm with which associated:**



**LINFIELD, HUNTER & JUNIUS, INC.**

**Years' experience with this Firm:**

42 Years

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

Louisiana State University New Orleans / B.A. / 1973 /Biological Sciences  
University of New Orleans / B.S. / 1978 / Civil Engineering  
Tulane University / M.S. / 1982 / Civil Engineering

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

1984 / Civil / LA License No. PE.0020850  
1993 / Environmental / LA License No. PE.0020850

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



Sosa is a seasoned engineer with experience primarily in the areas of major drainage improvements, water treatment and distribution, **wastewater collection system evaluation, repair, and upgrades, wastewater treatment**, and land development.

Sosa has considerable experience performing hydraulic analysis of open channels including culverts and of pressure pipe, including waterlines and sewage force mains.

**N. HULLEN AND VETERANS / EDENBORN AND VETERANS FORCE MAIN EXTENSION WITH LIFT STATION IMPROVEMENTS, METAIRIE, LA**

Sosa is the **Lead Civil Engineer** for this project. This project consists of the installation of approximately **6,300 linear feet of new HDPE force main** by horizontal directional drilling and the **rehabilitation of two sewage lift stations**.

**SANITARY SEWERAGE SYSTEM ALONG LOUISIANA HIGHWAY 23 FROM BELLE CHASSE WASTEWATER TREATMENT PLANT TO LA REUSSITE, PLAQUEMINES PARISH, LA**

Sosa is the **Lead Civil Engineer** for this project. This project consists of the construction of sanitary sewerage, force mains, three large transfer lift stations, numerous minor lift stations and house connections along a 10-mile reach of presently unsewered area.

## **ADDITIONAL EXPERIENCE AND QUALIFICATIONS**

### **INCREASE PUMPING CAPACITY OF SEWAGE LIFT STATION NOS. 4 AND 7, BELLE CHASSE, LA**

Sosa was Senior Civil Engineer for this project. This project included construction of new discharge force mains, upgrading of lift station pumps and motors and rehabilitation of the Lift Station No. 7 wet well. Sosa was the Lead Civil Engineer for a previous project that included the **rehabilitation of the wet wells of these two major lift stations.**

### **PARISHWIDE WATER AND SEWERAGE PLANNING, PLAQUEMINES PARISH, LA**

Sosa was Senior Sanitary Engineer for this project. Performed analysis of existing sewage collection facilities Parish-wide and developed a master sewerage plan to provide public sewerage to presently un-sewered areas and to provide sewerage for future Parish-wide growth.

### **EAST BANK SEWERAGE EXTENSIONS, POINTE-A-LA-HACHE TO BOHEMIA, PLAQUEMINES PARISH, LA**

Sosa was Senior Civil Engineer for this project. This project included the installation of a 2-mile long **combination gravity/low pressure sewage collection system** including three sewage lift stations and individual grinder pump stations.

### **KENNER WASTEWATER TREATMENT PLANT NO. 3 EXPANSION, KENNER, LA**

Sosa was Senior Sanitary Engineer for this plant expansion from 42 MGD to 62 MGD.

### **BELLE CHASSE WASTEWATER TREATMENT PLANT EXPANSIONS, PLAQUEMINES PARISH, LA**

Sosa was the Senior Sanitary Engineer for two expansions of the Belle Chasse Wastewater Treatment Plant. The first expansion, completed in the 1980's, expanded that plant capacity to 6 MGD and added new secondary treatment. Another expansion was recently completed that expanded that plant capacity from 6 MGD to 12 MGD and included rehabilitation of the existing plant facilities.

### **SANITARY SEWERAGE REPLACEMENT IN LOWER TRIUMPH, PLAQUEMINES PARISH, LA**

Sosa was Lead Civil Engineer for this project. Oversaw the cleaning, television inspection and smoke testing of sanitary sewer lines and used the results of the television inspection and smoke testing to develop plans for sewer point repairs and rehabilitation of a deteriorated sewage lift station.

### **DAVANT TO EAST POINTE-A-LA-HACHE SANITARY SEWERAGE SYSTEM, PLAQUEMINES PARISH, LA**

Sosa was the Lead Civil Engineer this project. This work included **five miles of gravity collection lines, two miles of force mains, 300 house connections, and six sewage lift stations.**

### **PARISHWIDE SMOKE TESTING OF SANITARY SEWERS IN PLAQUEMINES PARISH**

Sosa was the Senior Sanitary Engineer responsible for smoke tests, TV inspections, ratings, and **rehabilitation of over 100,000 linear feet of gravity sewers and numerous deteriorated sewage lift stations** in Plaquemines Parish.

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

**Name & Title:**

Wesley R. Eustis, P.E., P.L.S., Civil Engineer/Land Surveyor

**Project Assignment:**

Civil Engineer / Land Surveyor

**Name of Firm with which associated:**



**LINFIELD, HUNTER & JUNIUS, INC.**

**Years' experience with this Firm:**

17 Years

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

Louisiana State University / B.S. / 2004 / Civil Engineering

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

2010 / Civil / LA License No. PE.0035537  
2019 / Land Surveying / LA License No. PLS.0005225

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



Eustis's engineering experience is primarily in civil sitework, utility relocation and roadway design. A number of these projects have required specialized experience in stormwater management, drainage calculations and incorporation of green infrastructure into the site design. ATSSA – Certified Flagger/Traffic Control Technician/Traffic Control Supervisor

Civil Sitework

- Site feasibility and design phases for numerous CVS/Pharmacy and Dollar General projects throughout the southeastern region of the United States.

Many of these sites included installation of new on-site **sewage lift stations and/or packaged wastewater treatment units.**

- Kia of Covington – Covington, LA
- Campus Federal Credit Union – New Orleans, LA
- Lake Trail Drainage Pump Station – Kenner, LA

Utility Relocations

- Superior Seafood – **Sewer Relocation** – St. Charles Avenue at Napoleon Avenue, New Orleans, LA
- Saenger Theatre – Drainage Relocation – N. Rampart Street at Iberville, New Orleans, LA

## **ADDITIONAL EXPERIENCE AND QUALIFICATIONS**

### Road Design Projects

- Left Turn Lane Addition – US 61 and LA 42 – Prairieville, LA
- Deceleration Lane – US 31W & KY 1008 – Franklin, KY
- Road Widening – Club Deluxe Road – Hammond, LA

Eustis has also worked extensively on the firm's surveying efforts. He has served as rodman, party chief and draftsman for both topographic and boundary surveys and regularly performs computations and analysis of boundaries.

Following is a sampling of Eustis' survey experience:

- Tract A-1 and Tract A-2 - Gonzales, LA - Boundary and Topo Survey
- Tract A-2 - Ascension Parish, LA - Boundary and Topo Survey -
- Parcel 6A-1 - New Orleans, LA - Boundary and Topo Survey
- Tract - Pineville, LA - Boundary and Topo Survey
- Parcels C-1 and C-2 - Slidell, LA - Boundary and Topo Survey
- Lots 11-16 - Ponchatoula, LA - Boundary and Topo Survey
- Lots 1-4, Sq. 77 and Lots 1-4, Sq. 78 - Donaldsonville, LA - Boundary and Topo Survey
- Shop Rite Tract 1 & 2 and the Soileau Tract - Lake Charles, LA - Boundary and Topo Survey
- Tract - Sulphur, LA - Boundary and Topo Survey
- Lot 2, Lot 3, and the George Ledet, Jr. Tract - Galliano, LA - Boundary and Topo Survey
- Tracts 1-3 - Kaplan, LA - Boundary and Topo Survey
- Tracts 1, 2, 28-31 - Lake Charles, LA - Boundary and Topo Survey
- Lots 1-4 and 10-18 - Plaquemine, LA - Boundary and Topo Survey
- Pt No. 1-5 - Walker, LA - Boundary and Topo Survey
- Tracts 1-5, Marksville, LA - Boundary and Topo Survey
- Parcel B - Baton Rouge, LA - Boundary and Topo Survey
- Square 307A, New Orleans, LA - Boundary and Topo Survey
- Mayet Tract and Lot 3 - Near Raceland, LA - Boundary and Topo Survey
- Lots 1, 2, 5&6 - Crowley, LA - Boundary and Topo Survey
- 20 Acres, Sec. 31, T55-R7E - Tangipahoa Parish, LA - Boundary Survey
- Metairie Rd. Sewer Investigation, Jefferson Parish, LA – Topographic Survey

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

**Name & Title:**

Mark K. Annino, E.I.

**Project Assignment:**

Civil Engineering

**Name of Firm with which associated:**



**LINFIELD, HUNTER & JUNIUS, INC.**

**Years' experience with this Firm:**

25 Years

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

University of New Orleans / B.S. / 1995 / Civil Engineering

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

1995 / Civil / LA License No. EI.0016308

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



Annino has vast experience preparing plans and specifications for numerous municipal and private projects. The scopes of these projects include roadways, bridges, subsurface and major drainage structures, water distribution systems, utility system replacement / relocation (sewer, water, drain, etc.), hydraulic structures. Annino has also been involved in the permit application process and construction administration of several of these projects. ATSSA – Certified Flagger/Traffic Control Technician/Traffic Control Supervisor

**N. HULLEN AND VETERANS / EDENBORN AND VETERANS FORCE MAIN**

**EXTENSION WITH LIFT STATION IMPROVEMENTS, METAIRIE, LA**

Annino performed preliminary geometric layouts and developed logistical construction procedures for this project that consists of the installation of approximately **6,300 linear feet of new HDPE force main** by horizontal directional drilling and the **rehabilitation of two sewage lift stations**.

**MAGAZINE STREET / PRYTANIA STREET RECONSTRUCTION, NEW ORLEANS, LA**

Annino was the Civil Engineering Design Team Leader for this project. This project entailed the reconstruction of 26,500 feet of roadway including **replacement of sanitary sewer lines** and utility relocation.

**LOUISVILLE STREET / CATINA STREET RECONSTRUCTION, NEW ORLEANS, LA**

Annino was the Civil Engineering Design Team Leader for this project. This project entailed the reconstruction of 3,950 feet of roadway including **replacement of sanitary sewer lines** and utility relocation.

## **ADDITIONAL EXPERIENCE AND QUALIFICATIONS**

### **PARISHWIDE WATER AND SEWERAGE PLANNING, PLAQUEMINES PARISH, LA**

Performed analysis of existing sewage collection facilities Parish-wide and developed a master sewerage plan to provide public sewerage to presently unsewered areas and to provide sewerage for future Parish-wide growth.

### **EAST AND WEST LIVINGSTON PLACE ROADWAY IMPROVEMENTS, METAIRIE, LA**

Annino was the Civil Engineering Design Team Leader for this project. This project consisted of the reconstruction of East and West Livingston Place including installation of new subsurface drainage, **sanitary sewer line replacement** and utility relocation.

### **CUDDIHY DRIVE AND WOODVINE AVENUE DRAINAGE IMPROVEMENTS, METAIRIE, LA**

Annino was the Civil Engineering Design Team Leader for this project. This project consisted of the upgrading of the subsurface drainage system along Cuddihy Drive and a part of Woodvine Avenue, the reconstruction of the affected roadways, **sanitary sewer line relocation** and utility relocation.

### **WOODLAND AVENUE RECONSTRUCTION, NEW ORLEANS, LA**

Annino was the Civil Engineering Design Team Leader for this project. This project entailed the reconstruction of 2,250 feet of divided roadway including **replacement of sanitary sewer lines** and utility relocation.

### **HOLLYGROVE DRAINAGE IMPROVEMENTS, NEW ORLEANS, LA**

Annino performed Civil Engineering on this project. LH&J designed all improvements including the covered box culverts, subsurface drainage, two drainage pumping stations, **sanitary sewerage replacement and relocation**, utility relocations and roadway reconstruction.

### **EARHART CORRIDOR RECONSTRUCTION, NEW ORLEANS, LA**

Annino performed Civil Engineering on this project. This project entailed the reconstruction of 7,000 feet of roadway including **replacement of sanitary sewer lines** and utility relocation.

### **OTHER RELEVANT PROJECTS:**

- St. Charles Avenue - 10,500 feet of roadway reconstruction
- S. Claiborne Ave Canal I - 5,000 feet of roadway reconstruction and utility relocation
- General DeGaulle Crossings (S.P. No. 410-01-0039)
- Dakin Street Corridor
- Reconstruction of Metairie Road Bridge and Approach Roads at 17<sup>th</sup> Street Canal (S.P. No. 826-04-0011 & 836-05-0005), New Orleans - Metairie, LA
- Reconstruction of Eight Minor Streets, City of New Orleans, LA (City Project # 88-8-A2)
- Pressburg Street and Alcee Fortier Street Reconstruction, New Orleans, LA
- Reconstruction of Leon C. Simon Bridge and Approaches at London Canal, New Orleans, LA
- Reconstruction of Gentilly Boulevard Bridge and Approaches at London Canal, New Orleans, LA
- 70-acre (5,400 parking space) site expansion of Oakwood Shopping Center, Gretna, LA
- Shemberdy Industrial Park Subdivision (23 acres), Jefferson, LA
- North Kenner Park-N-Ride Parking Lot, Kenner, LA

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

**Name & Title:**

Daniel D. Bindewald, Survey Party Chief

**Project Assignment:**

Survey Party Chief

**Name of Firm with which associated:**



**LINFIELD, HUNTER & JUNIUS, INC.**

**Years' experience with this Firm:**

12 Years

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

Southeastern Louisiana University / B.A. / Criminal Justice

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

N/A

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



Bindewald has served as a survey crew member and more recently as a survey party chief on numerous projects.

Bindewald initially joined LH&J as a survey party crew member and began performing as the **crew chief** of LH&J's Survey Party Team 2 in 2009. Bindewald is proficient in the use of modern GPS/RTK survey instruments, as well as conventional total stations and levels. He is experienced in performing land surveys in all types of environments, including urban, forests and marshes. Bindewald has led survey crews conducting boundary, topographic and hydrographic surveys in Louisiana, Texas and Mississippi. He is knowledgeable of the USACE New Orleans District Minimum Survey Standards Edition 4.1, February 2015, (as well as prior editions) and has a high level of experience and expertise ensuring that all survey work performed by LH&J for the USACE New Orleans district is performed in strict compliance with these standards. ATSSA – Certified Flagger/Traffic Control Technician/Traffic Control Supervisor

**INNER HARBOR NAVIGATION CANAL SURGE PROTECTION BARRIER, ORLEANS PARISH, LOUISIANA**

Provided surveying services including locating borings in the field and providing elevations with latitude and longitude coordinates. Located the USACE baselines and tied into the project control to provide station and offset data. Benchmarks were occupied and set for project control. Existing and final cross sections were taken providing cut/fill quantities, station and offset data for 36" diameter pipe piles were provided for QA/QC measures. Bindewald was the GPS survey party crew chief responsible for the accurate collection of all field survey data and reviewed the developed survey files and drawings for consistency with USACE New Orleans District Minimum Survey Standards

**ADDITIONAL EXPERIENCE AND QUALIFICATIONS**

**STORM PROOFING ORLEANS PARISH DRAINAGE PUMP STATIONS, NEW ORLEANS, LA**

Provided topographic surveys of 18 existing pump station sites for the project. Baselines and benchmarks were established to obtain elevations and latitude/longitude data. Utilities were located and related to the baselines using station/offset data, right-of-way maps were provided to the USACE for project design. Bindewald was the GPS Survey party crew chief responsible for the accurate collection of all field survey data and reviewed the developed survey files and drawings for consistency with USACE New Orleans District Minimum Survey Standards. Program Cost was approximately \$200 million.

**PREPARATION OF PLANS AND SPECIFICATIONS FOR THE HURRICANE PROTECTION SYSTEM AT WEST BANK NON-FEDERAL LEVEE NOV-NF-W-04 OAKVILLE TO LAREUSSITE IN PLAQUEMINES PARISH, LA**

During the design of this 8.3 mile levee and fronting protection project, Bindewald was the GPS survey party crew chief responsible for performing the supplemental surveys that were needed to complement the Government furnished survey information. Detailed topographic surveys were performed using GPS/RTK equipment at the Ollie Pump Station and at the interface with the adjacent WBV-09a floodwall. Hydrographic surveys were performed to collect bathymetric data for a number of canals and bodies of water that are immediately adjacent to the levee alignment. All elevation data was collected using the North American Vertical Datum (N.A.V.D. 88) (2004.65) and all X-Y coordinates were based upon the Louisiana State Plane Coordinate System, South Zone NAD 83, in U.S. survey feet. During the construction of the project, Bindewald was the GPS survey party chief responsible for field locating the locations for installing 30 temporary bench marks (TBMs) that were supported by 60-foot deep concrete filled boreholes. After construction of the TBMs he performed high precision  $\pm 1.5$  mm leveling surveys to tie the TBMs into the required vertical and horizontal datums. He also filed located the installation locations for 34 geotechnical instrumentation clusters and monitoring panels that are used to measure settlement during the first stage of the levee construction and then surveyed the precise elevation and location for each instrument after they were installed. As part of the settlement monitoring program, every two weeks Bindewald leads a survey crew that performs high precision elevation surveys of each of the 34 settlement plates and monitoring panels so that surveyed data can be correlated to the remotely monitored settlement gauges. Construction cost of the project is approximately \$45 million.

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

**Name & Title:**

Paul H. Morales, IV, Survey Party Chief

**Project Assignment:**

Survey Party Chief

**Name of Firm with which associated:**



**LINFIELD, HUNTER & JUNIUS, INC.**

**Years' experience with this Firm:**

8 Years

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

University of New Orleans / B.S. / 2005 / Civil Engineering

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

N/A

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



Morales has both civil engineering design experience and resident inspection experience. During two summers while still in college, he often served as an LH&J survey crew member. He was a design engineer for civil site work on numerous CVS/Pharmacy and Dollar General store sites. Large Scale Topographical and ALTA Surveys for U.S. Army Corps of Engineers, Plaquemines Parish Government and a major pharmacy chain. Elevation, Construction Layout and Pile Layout, GPS, Robotics, Total Station experience including data transfer, plotting and printing. Manual and Mechanical Traffic Counts. TWIC, ATSSA – Certified

Flagger/Traffic Control Technician/Traffic Control Supervisor

**RELEVANT EXPERIENCE:**

**INNER HARBOR NAVIGATION CANAL SURGE PROTECTION BARRIER, ORLEANS PARISH, LA**

Provided surveying services including locating borings in the field and providing elevations with latitude and longitude coordinates. The USACE baselines were located and tied into the project control to provide station and offset data. Benchmarks were occupied and set for project control. Existing and final cross sections were taken providing cut/fill quantities, station and offset data for 36-inch diameter pipe piles were provided for QA/QC measures. Morales performed as a survey party technician for the accurate collection of all field survey data and reviewed the developed survey files and drawings for consistency with New Orleans District Minimum Survey Standards. Construction cost >\$1.5B

**HSDRRS LEVEE PROFILES FOR SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY – EAST – LAKE PONTCHARTRAIN LEVEE SYSTEM**

Approximately 63 miles of earthen levee centerline profile surveys in Jefferson, Orleans and St. Bernard Parish using tilt rover and base stations. Project compared the existing profile elevations to the design profile elevations.

**Paul H. Morales, IV**  
**Project Assignment – Survey Party Chief**

**SOUTHSHORE HARBOR, NEW ORLEANS, LA**

Hydrographic survey of approximately 150 acres in Southshore Harbor including portions of the navigation channel and Lake Pontchartrain. Included cross sections and profiles of approximately 10 acres of the north peninsula floodwall for a potential dredge spoil area.

**AVONDALE SHIPYARD REDEVELOPMENT, AVONDALE, LA**

Hydrographic surveys for 2 miles of the Mississippi River in front of the existing docks. USACE Baseline profile surveys and cross sections. Included batture surveys and topographic surveys of existing lay down areas.

**MAGAZINE STREET TOPOGRAPHIC SURVEY, NEW ORLEANS, LA**

LH&J provided topographic surveying services for the project that consisted of the reconstruction of 12,500 linear feet of 35' wide roadway, including removal of over 18,720 linear feet of streetcar tracks that are buried under Magazine Street, construction of new concrete roadway, replacement of the storm drainage system, sewer lines and water mains. Role: Survey Party

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

**Name & Title:**

Nicholas P. Talbot, Senior Resident Inspector

**Project Assignment:**

Senior Resident Inspector

**Name of Firm with which associated:**



**LINFIELD, HUNTER & JUNIUS, INC.**

**Years' experience with this Firm:**

6 Years

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

University of New Orleans / Management  
Delgado Community College / Assoc. B.A. / 2011 / Management

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

N/A

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



Talbot is a seasoned Construction Inspector with over 14 years of experience. Projects completed in coordination with the United States Army Corps of Engineers (USACE) account for 7 years of this experience. Prior to construction inspection, Talbot was a Materials Testing Field Technician and accordingly is familiar with the normal material tests and procedures commonly needed for construction projects.

**REGISTRATIONS/CERTIFICATIONS:**

LADOTD – Embankment and Base Course Inspection/Certification

LADOTD – Portland Cement Concrete Paving

LADOTD – Asphalt Concrete Paving Certification

ATSSA – Certified Flagger/Traffic Control Technician/Traffic Control Supervisor

**INCREASE PUMPING CAPACITY OF LIFT STATION NO. 7, BELLE CHASSE, LA**

**Resident Inspector** for this **sewerage project** that consisted of pumping improvements to a major lift station, installation of approximately 1,400 feet of 16-inch diameter force main and replacement of approximately 900 feet of concrete roadway. Talbot was responsible for monitoring the work and contractor QC and QA activities, coordinating materials testing activities and verifying contractor payment request quantities.

**ADDITIONAL EXPERIENCE AND QUALIFICATIONS:**

**DIAMONDHEAD WASTEWATER TREATMENT PLANT EXPANSION PROGRAM**

**DIAMONDHEAD, MS**

**Resident Inspector** for this \$24 million project to construct a 1.25 MGD wastewater treatment plant in Diamondhead, MS. He provides daily supervision of the Contractor's field activities and monitors activities for permit compliance for this FEMA funded project.

**JEFFERSON PARISH SUBMERGED ROADS PROGRAM – ASPHALT PACKAGE,**

**JEFFERSON PARISH, LA**

**Resident Inspector** for this project that consisted of the cold milling and overlaying of numerous blocks of asphalt roadway. Talbot was responsible for monitoring the work and contractor QC and QA activities, collecting and organizing asphalt truck tickets, verifying contractor payment request quantities and preparation of reports summarizing daily construction activities.

**HOEY'S CANAL IMPROVEMENTS (PHASE II & III), JEFFERSON PARISH, LA**

**Resident Inspector** for this drainage project that consisted of the concrete lining of approximately 1,700 feet of earthen canal and included construction of a new in-line pile-supported railroad culvert. Talbot was responsible for monitoring the work and contractor QC and QA activities, coordinating materials testing activities, verifying contractor payment request quantities and preparation of reports summarizing daily construction activities.

**USACE – REACH 3 LAKEFRONT LEVEE PHASE 2 PROJECT, NEW ORLEANS, LA**

Responsible for monitoring all QC and QA field and laboratory embankment testing. Testing on embankment inclusive of field nuclear densities, sand cone verification and one point proctor testing; reviewed and analyzed all lab reports to ensure accuracy with field data. The project further consisted of clearing and grubbing of existing levee and borrow pits, placement of compacted fill on both protected and flood side of levee, construction of new access road, and the placement of asphalt access road the entire length of project.

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

**Name & Title:**

Bryce L. Vazquez, Resident Inspector

**Project Assignment:**

Resident Inspector

**Name of Firm with which associated:**



**LINFIELD, HUNTER & JUNIUS, INC.**

**Years' experience with this Firm:**

.5 Years

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

University of New Orleans / B.S./ 2020 / Civil Engineering

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

N/A

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



**REGISTRATIONS/CERTIFICATIONS:**

ATSSA – Certified Flagger/Traffic Control Technician/Traffic Control Supervisor

**N SIBLEY ST. AT WEST NAPOLEON SUBSURFACE DRAINAGE IMPROVEMENTS (PHASE I II), JEFFERSON PARISH, LA**

Resident Inspector for this subsurface drainage project that consisted of removing concrete walks and drives to install a new 1130 linear feet of 8" PVC/C900 Water Main, removing 1000 feet of PCC pavement to install new 24" R.C.P. drain line, and replacing 6" sewer lines with PVC on a residential street in Metairie, LA. Vazquez was responsible for monitoring the work and contractor QC and QA activities, coordinating materials testing activities, verifying contractor payment request quantities and preparation of reports summarizing daily construction activities.

**FLOOD GATE REPAIRS GATES W-33 & E-07 FOR SOUTH LOUISIANA FLOOD PROTECTION AUTHORITY-EAST, NEW ORLEANS, LA**

Resident Inspector for this project that consisted of demolishing sections of broken Flood Gate Wall and repairing the concrete embankment wall, column, and flood gate. Vazquez was responsible for monitoring the work and contractor QC and QA activities, recording contractor work time and train delay time, and verifying contractor payment request quantities and preparation of reports summarizing daily construction activities.

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:****Name & Title:**

Anthony F. Goodgion, P.E., Vice President, Senior Structural Engineer

**Project Assignment:**

Lead Structural Engineer

**Name of Firm with which associated:**

**LINFIELD, HUNTER & JUNIUS, INC.**

**Years' experience with this Firm:**

30 Years

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

Louisiana State University – B.S. /1983 / Civil Engineering

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

1991 / Civil / LA License No. PE.0024466

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

Goodgion joined the firm in 1991 as Senior Structural Engineer with extensive experience in designing a diverse array of structural and civil engineering projects including many building types, bridges, industrial structures, docks, dolphins, buoys and structural condition surveys. Since joining the firm in 1991, Goodgion has continued his structural practice and completed a number of large structural and civil engineering projects. He is a member of the Coalition of American Structural Engineers (CASE), the American Society of Civil Engineers (ASCE), and the American Concrete Institute (ACI), Society of American Military Engineers (SAME). Named Civil Engineer of the year in 2010 by the ASCE New Orleans Chapter; named Outstanding Civil Engineer in 2012 by SAME, Louisiana Post; SAME Fellow.

**RELEVANT EXPERIENCE:****Commercial, Retail and Institutional Type Projects:**

- Plaquemines Parish Courthouse, Pointe a la Hache, LA – Full structural design of a 36,000 SF, 3 story courthouse building. Ground floor and the first occupied floors are cast-in-place concrete and the top two floors consist of structural steel framing.
- Port Sulphur Consolidated Facility, Port Sulphur, LA – Full structural design of a 3 story reinforced concrete structure. Design loads include extreme wind and flood on structure designed as essential facility.
- Pontchartrain Levee District Administrative Building, Lusher, LA – New 6,000 SF administration building with board room and offices.
- New Orleans Country Club Additions and Renovations, New Orleans, LA – Foundation and full structural design for two story 10,350 SF addition to the main clubhouse and foundation design for new tennis pro-shop and teen grill facility.

- Algiers Courthouse, New Orleans, LA
- Deep South Studios, New Orleans, LA – design of 8 buildings with custom steel roof trusses, tilt-up concrete bearing walls. Buildings used for sound stages, shops, maintenance and storage.
- Poydras Home, New Orleans, LA – Foundation and full structural design of a new three story 29,000SF assisted living and dementia facility. Renovation and additions to the existing 1800's era masonry and wood framed buildings.
- Deustches Haus, New Orleans, LA – Foundation and full structural design of a two story 32,000 SF steel structure. Includes an exposed glue-laminated truss in the main hall.
- Houmas House, Darrow, LA –Full structural design of a two story 25,800 SF Steam Boat Museum and elevated pedestrian bridge over LA HWY. 942.
- Belle Chasse Academy Auditorium and Class Room Addition, Belle Chasse, LA – Foundation and full structural steel design of a two story Auditorium and classroom building totaling 20,000 SF .
- St. Tammany Fire Station, Slidell, LA – Foundation design for a 7,000 sf pre-engineered fire station building.
- CVS Pharmacy, Various Locations, LA, TX, MS – Foundation design for numerous CVS Pharmacy Stores in Louisiana, Texas and Mississippi, in varying soil conditions requiring both deep and shallow foundations, site surcharging and other foundation stabilization techniques.
- Jesuit Athletic Facility – Full design of a multipurpose ball field with concessions, dugouts, grandstands, bleachers, consisting of reinforced masonry, concrete foundations and steel framing.
- New Orleans East Community Health Center, New Orleans, LA – Structural design for one story 9,000 SF clinic. Includes new structural steel building erected on existing pile supported concrete foundation.
- AT&T Main Generator Building, Baton Rouge, LA – Foundation and full structural and seismic design of 3,000 SF generator building to house two 2500kva generators to provide emergency power to AT&T's Baton Rouge Operations. Includes loads from specialized equipment and seismic connections design of various mechanical components.
- St. Bernard Levee District Saferooms, St. Bernard, LA – Structural Design of elevated reinforced concrete platforms for three Pump-station Safe-rooms. Platforms were designed for standard dead and live loads as well as tornadic wind and flood loads according to FEMA 361.
- 50,000 sf addition to Oakwood Mall, Gretna, LA
- 200,000 sf four story library for Memphis State University
- National Civil Rights Museum in Memphis, TN
- 2 Fire Stations for the City of Memphis, TN
- 2 Fire Stations for St. Tammany Parish, LA
- Numerous Structural Modifications to the Riverwalk Marketplace, New Orleans, LA
- Memphis State Sports Training Facility, Memphis, TN

**Warehouse Type Facilities:**

- Okonite Warehouse, Luling, LA – 80,000 SF steel joist/joist girder frame, CIP tilt-up bearing walls.
- Modspace Storage Facility, St. Rose, LA – Deep foundation design for two pre-engineered metal storage buildings totaling 25,000 sf.
- New Orleans Country Club Maintenance Facility – Foundation design for a 11,200 sf pre-engineered building, fueling pavilion and associated bins for storage of materials used to maintain the golf course.
- City Park Maintenance Facility, New Orleans, LA – Foundation design for three greenhouse buildings, headhouse and maintenance facility totaling 12,000 sf of pre-engineered metal buildings.
- 1,000,000 SF warehouse for the Defense Depot in Memphis, TN
- 60,000 sf distribution warehouse for Wal-Mart Stores, Inc., in Fort Smith, AR
- 30,000 sf addition to Luzianne Coffee Warehouse

## TEC Professional Services Questionnaire

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

### PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>N. Hullen and Veterans Force Main Extension/Edenborn and Veterans Force Main Extension with Lift Station Improvements Jefferson Parish, LA</b></p> <p><b>Jose Gonzalez, P.E. Jefferson Parish 1221 Elmwood Park Blvd.-Ste 906 Harahan, LA 70123 (504) 736-6833</b></p> <div style="display: flex; align-items: center; margin-top: 10px;">  </div> <div style="margin-top: 10px;">  </div>	<p>Jefferson Parish Sewage Lift Stations G7-9 and F7-6 are two main lift stations that service the sanitary sewerage system along Veterans Memorial Boulevard between Causeway Boulevard and the Suburban Canal. Lift Station G7-9 is located at the southwest corner of the intersection of N. Hullen Street and Veterans Memorial Boulevard. Lift Station F7-6 is located at the southwest corner of the intersection of Edenborn Avenue and Veterans Memorial Boulevard. Over the years these lift stations and their discharge force mains have deteriorated and accordingly the lift stations regularly backup during peak events.</p> <p>This project consists of the <b>rehabilitation of Lift Station G7-9 and Lift Station F7-6</b> and the <b>construction of new effluent force mains</b> for each lift station. Rehabilitation of the lift stations includes waterproofing of the wet wells and replacing pumps, motors and ancillary equipment. A new 10-inch diameter HDPE force main will be installed by horizontal directional drilling from Lift Station G7-9 along the south side of Veterans Memorial Boulevard to Lift Station F7-6, approximately 1,300 feet in length. This force main will discharge into Lift Station F7-6. A new 14-inch diameter HDPE force main will also be installed by horizontal directional drilling from Lift Station F7-6 along the south side of Veterans Memorial Boulevard to Lift Station F7-11, located along the Suburban Canal, approximately 5,000 feet in length. This force main will discharge into Lift Station F7-11.</p> <p>Linfield, Hunter &amp; Junius, Inc. is providing design phase engineering services for this project.</p> <p><b><u>Key Features Related to this Solicitation:</u></b> Sanitary Sewerage (Force Mains); Sewage Lift Station Design and Rehabilitation</p> <p><b><u>Key Personnel Participation:</u></b> Sergio J. Girau, P.E.; Robert E. Nockton, P.E.; Luis F. Sosa, P.E.; Mark K. Annino, E.I.</p> <div style="text-align: right; margin-top: 10px;">  </div>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2018 A	\$1,750,000	\$1,750,000

## TEC Professional Services Questionnaire

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Sanitary Sewerage System along LA Highway 23 from Belle Chasse Wastewater Treatment Plant to La Reussite Plaquemines Parish, LA</b></p> <p><b>Ken Dugas Plaquemines Parish Government 8056 Highway 23, Suite 309 Belle Chasse, LA 70037 (504) 934-6115</b></p> 	<p>This project consists of the installation of a new sewage force main along Louisiana Highway 23 to provide the backbone of a new sewage collection system on the West Bank of the Mississippi River in Plaquemines Parish from the Belle Chasse Wastewater Treatment Plant south to La Reussite. This sewer line will serve a rapidly developing area of Plaquemines Parish that is not currently serviced by public sewerage. Construction of a first phase of the project was recently constructed that included the installation of <b>12,000 linear feet of 12-inch diameter sewage force main</b> from the Belle Chasse Wastewater Treatment Plant to Oakville and included <b>one transfer lift station</b> in Oakville. Plans and specifications for the next phase of the project are complete and ready for bidding pending acquisition of required rights-of-way. This next phase extends the sewage force main along Highway 23 from Oakville to La Reussite and includes extensions along several side roads off of the highway. This next phase will include the installation of <b>11,000 linear feet of 10-inch diameter sewage force main, 7,700 linear feet of 8-inch diameter sewage force main, 12,500 linear feet of 6-inch diameter sewage force main, 11,600 linear feet of 4-inch diameter force main, 12,400 linear feet of gravity sewer line, 3 large transfer lift stations</b> along Highway 23, <b>11 minor lift stations</b> along side roads, two bores beneath Highway 23, <b>61 individual grinder pump stations</b> and connection of an estimated 216 residences to the proposed sewerage system. This next phase is being funded in part by the LCDBG Program.</p> <p>After construction of this project, the backbone of the sewerage system needed in the rapidly developing area of Plaquemines Parish extending from Oakville to La Reussite will be in place. Extension of sewers to existing residences will then follow.</p> <p>LH&amp;J is providing all engineering services required for the project, including preparation of a topographic and utility survey, preparation of plans and specifications, bid phase services, and construction phase services including resident inspection. Additional services provided by LH&amp;J include the preparation of Coastal Use Permit Applications and assisting Plaquemines Parish to obtain permits, utility crossing agreements and acquiring rights-of-way required for construction.</p> <p><b><u>Key Features Related to this Solicitation:</u></b> Sanitary Sewerage (Gravity Collection and Force Mains); Sewage Lift Stations</p> <p><b><u>Key Personnel Participation:</u></b> Robert E. Nockton, P.E.; Luis F. Sosa, P.E.; Nathan J. Junius, P.E., P.L.S.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2017 A	\$7,000,000	\$7,000,000

## TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Rehabilitation of Sewage Lift Station Nos. 4 and 7 and Force Main Extension to Lift Station No. 8 Belle Chasse, LA</b></p> <p><b>Ken Dugas, P.E. Plaquemines Parish Government 8056 Highway 23-Ste 309 Belle Chasse, LA 70037 (504) 934-6115</b></p> <div style="text-align: center;">  </div>	<p>The Belle Chasse Sewerage System was constructed over 50 years ago. Over the years, Lift Station Nos. 4 and 7 deteriorated heavily. These are two main lift stations in the system that collect sewage from contributory gravity collection lines serving adjacent neighborhoods and sewage that is pumped directly from several smaller lift stations. This project included the rehabilitation of Lift Station Nos. 4 and 7 including the structural rehabilitation of the lift station wet wells.</p> <p>This structural rehabilitation consisted of the installation of new reinforcing steel, placing of new concrete/gunnite cover over the reinforcing steel and the installation of a protective coating over the repaired areas. As Lift Station Nos. 4 and 7 are both major lift stations in the Belle Chasse Sewerage System, continuous operation of both lift stations during rehabilitation was critical. The project included the construction of new bypass wet wells at each lift station site that allowed for full temporary bypass pumping while the lift stations were rehabilitated.</p> <p>The project also included the construction of approximately 5,800 linear feet of 24-inch diameter HDPE force main to Lift Station No. 8 to extend a force main that originally discharged into a gravity manhole.</p> <p>Linfield, Hunter &amp; Junius, Inc. provided complete engineering services including topographic surveys, design, bid phase, and construction phase services including resident inspection for work at both lift stations.</p> <p><b><u>Key Features Related to this Solicitation:</u></b> Sanitary Sewerage (Force Mains); Sewage Lift Stations; Topographic Surveying</p> <p><b><u>Key Personnel Participation:</u></b> Robert E. Nockton, P.E.; Luis F. Sosa, P.E.; Nathan J. Junius, P.E., P.L.S.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2002 A	\$740,000	\$740,000

## TEC Professional Services Questionnaire

### PROJECT NO. 4

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Increase Pumping Capacity of Sewage Lift Station Nos. 4 and 7 Belle Chasse Sewerage System Plaquemines Parish, LA</b></p> <p><b>Ken Dugas, P.E. Plaquemines Parish Government 8056 Highway 23, Suite 309 Belle Chasse, LA 70037 (504) 934-6115</b></p> 		<p>Lift Station Nos. 4 and 7 are two main lift stations that service the Belle Chasse area. These lift stations collect sewage from contributory gravity collection lines</p>
	<p>serving adjacent neighborhoods and sewage that is pumped directly from several smaller lift stations. At times the gravity systems contributory to these lift stations would overflow during wet weather events when the flows from the contributory gravity systems and the total pumping capacity of the contributory lift stations exceeded the pumping capacity of Lift Station Nos. 4 and 7. To reduce the occurrence of these overflows, discharge force mains were re-routed and the capacities of these lift stations were increased.</p>  <p>At Lift Station No. 4, a new 24-inch diameter discharge force main was constructed so that the lift station pumps directly to the local treatment plant and the pumping capacity of the lift station was increased from approximately 1,200 gallons per minute to 2,400 gallons per minute. Lift Station No. 7 formerly pumped through an old 14-inch diameter force main that was common to several other lift stations. During wet weather these lift stations and Lift Station No. 7 pumped against one another and reduced flows that each lift station could pump. A new 16-inch diameter discharge force main was constructed for dedicated use by Lift Station No. 7, and the pumping capacity of Lift Station No.7 was increased from approximately 1,300 gallons per minute to 3,000 gallons per minute.</p> <p>Linfield, Hunter &amp; Junius, Inc. provided complete engineering services including topographic surveys, design, bid phase, and construction phase services including resident inspection for work at both lift stations.</p> <p><b><u>Key Features Related to this Solicitation:</u></b> Sanitary Sewerage (Force Mains); Sewage Lift Stations; Topographic Surveying</p> <p><b><u>Key Personnel Participation:</u></b> Robert E. Nockton, P.E.; Luis F. Sosa, P.E.; Nathan J. Junius, P.E., P.L.S.; Nicholas P. Talbot</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2014 A	\$3,400,000	\$3,400,000 <sup>78</sup> of 133

## TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Plaquemines Parish Water &amp; Sewerage Planning</b>  <b>Plaquemines Parish, LA</b></p> <p><b>Ken Dugas, P.E.</b>  <b>Plaquemines Parish Government</b>  <b>8056 Highway 23</b>  <b>Belle Chasse, LA 70037</b>  <b>(504) 934-6115</b></p> <div style="text-align: center; margin-top: 20px;">  </div>	<p>The Belle Chasse Wastewater Treatment Plant was constructed over 50 years ago as a primary sedimentation and digestion plant. The plant was expanded in the mid 1980's to provide secondary treatment. After this expansion, influent was treated in the following order: aeration and grit removal, comminution and bar screening, primary sedimentation, bio-tower filtration, secondary sedimentation, chlorination and pumping to the Mississippi River. Primary sludge was digested, dried via a belt filter press and sludge drying beds and disposed of in landfills. After this last expansion, the plant treatment capacity was 3.0 million gallons per day (MGD) with a peak hydraulic capacity of 6.0 MGD. Since this expansion, there has been considerable growth in the Belle Chasse area. During wet weather events, the plant was operating at or above its peak hydraulic capacity, often overflowing at the plant headworks. To reduce overflows and to provide for continuing growth in the Belle Chasse area, the plant was again expanded and existing facilities were rehabilitated.</p> <p>Prior to design of the plant expansion and rehabilitation, an assessment of the existing plant was performed. This assessment included an evaluation of several alternatives to increase treatment capacity and peak hydraulic capacity and included a 20-year phasing program to implement plant improvements. Based upon this feasibility assessment, the plant expansion would increase plant treatment capacity to 6.0 MGD and increase plant peak hydraulic capacity to 12.0 MGD.</p> <p>Plant expansion consisted of a new headworks with mechanical bar screening and grit removal via a vortex grit chamber, a new 60-foot diameter primary clarifier, a new 55-foot diameter bio-tower, a new 85-foot diameter secondary clarifier and a new chlorine contact chamber with increased effluent pumping capacity to the Mississippi River. The existing belt filter press was replaced with a larger capacity belt filter press for additional sludge handling capacity. Plant rehabilitation included the replacement of the original primary clarifier equipment, replacement of bio-tower access stairs, the repair of deteriorated concrete at the existing primary clarifiers, the leveling and repair of the sludge drying bed walls and <b>rehabilitation of the influent lift station and trickling filter pump station.</b></p> <p>Linfield, Hunter &amp; Junius, Inc. provided complete engineering services including design, bid phase, and construction phase services including resident inspection for work at the plant.</p> <p><b>Key Features Related to this Solicitation:</b>  <b>Sewage Lift Stations;</b> Sanitary Sewerage (Gravity Collection and Force Mains)</p> <p><b>Key Personnel Participation:</b>  Sergio J. Girau, P.E.; Robert E. Nockton, P.E.; Luis F. Sosa, P.E.; Mark K. Annino</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;">   </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013 A	\$9,000 (fee)	\$9,000 (fee)

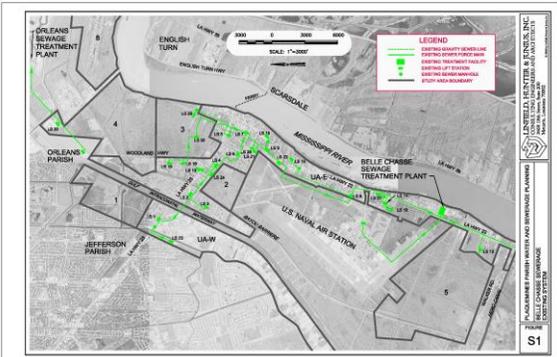
## TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Plaquemines Parish Water &amp; Sewerage Planning</b>  <b>Plaquemines Parish, LA</b></p> <p><b>Ken Dugas</b>  <b>Plaquemines Parish Government</b>  <b>8056 Highway 23</b>  <b>Belle Chasse, LA 70037</b>  <b>(504) 934-6115</b></p> <div style="text-align: center; margin-top: 20px;">  </div>	<p>Portions of Plaquemines Parish are experiencing a rapid rate of growth at a time in which the Parish's existing sewerage and water systems are running at capacity, are aging, and during which public sewerage and water systems are being upgraded to provide improved water quality as required by more comprehensive and stricter sewerage and water regulations. LH&amp;J was retained to provide Parish Wide Water and Sewerage Planning to address these needs.</p> <p>LH&amp;J provided complete engineering services for growth projection, flow projections, assessment of existing systems, analysis of alternative improvements to provide for growth, setting of construction budgets and recommended improvements and projection of capital requirements for system expansion and rehabilitation over the next 20 years parish wide.</p> <p>Numerous sewerage improvements identified and recommended in the Planning study were subsequently funded for design and construction. These include the Expansion and Rehabilitation of the Belle Chasse Wastewater Treatment Plant, Re-Routing of Belle Chasse force mains, Increasing Pumping Capacity of Lift Station Nos. 4 and 7 and the Sanitary Sewerage Extension along Louisiana Highway 23 from the Belle Chasse Wastewater Treatment Plant to La Reussite</p> <p><b>Key Features Related to this Solicitation:</b>                      Sanitary Sewerage (Gravity Collection and Force Mains); Sewage Lift Stations; Wastewater Treatment</p> <p><b>Key Personnel Participation:</b>                      Robert E. Nockton, P.E.; Luis F. Sosa, P.E.; Mark K. Annino, E.I.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2002 A	\$175,000 (fee)	\$175,000 (fee)

# TEC Professional Services Questionnaire

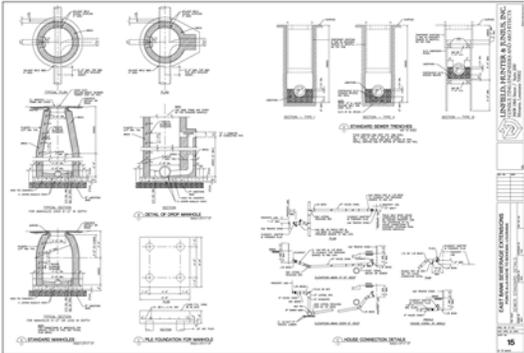
## PROJECT NO. 7

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Sewer Force Mains Belle Chasse Sewerage System Plaquemines Parish, LA</b></p> <p><b>Ken Dugas Plaquemines Parish Government 8056 Highway 23, Suite 309 Belle Chasse, LA 70037 (504) 934-6115</b></p> <div style="text-align: center; margin-top: 20px;">  </div>	<p>The Belle Chasse Sewerage System was constructed over 50 years ago and consists of a series of gravity collection lines, sewage lift stations and force mains which collect and convey domestic wastewater to the local wastewater treatment plant. Over the years, the system has been expanded and modified to meet the demands of population growth in Belle Chasse. Historically, several larger lift stations in the Belle Chasse area have overflowed during wet weather events when the total pumping capacity of the contributory lift stations has exceeded the pumping capacity of the receiving lift stations. This problem was compounded because the main lift stations “piggybacked”, that is, discharged directly into the next station downstream. As part of the long-term program to reduce these overflows, force mains are being re-routed so that main lift stations no longer “piggyback” and lift stations are being calibrated so that lift stations can pump into common force mains during wet weather events with main lift stations pumping directly to the local wastewater treatment plant.</p> <p>To date, approximately 27,000 linear feet of 16-inch and 24-inch diameter force main have been constructed. Main lift station capacities have been increased to provide for wet weather requirements and for future growth, and pumps at other smaller lift are being replaced to suit future hydraulic requirements.</p> <p>A hydraulic analysis of the entire Belle Chasse pumped system was recently performed to assess the system response to current operating conditions and to assess the system response to the above system improvements to identify lift station modifications required to suit future system hydraulics.</p> <p>Linfield, Hunter &amp; Junius, Inc. has provided complete engineering services including topographic surveys, design, bid phase, and construction phase services including resident inspection.</p> <p><b><u>Key Features Related to this Solicitation:</u></b> Sanitary Sewerage (Gravity Collection and Force Mains); Sewage Lift Stations</p> <p><b><u>Key Personnel Participation:</u></b> Robert E. Nockton, P.E.; Luis F. Sosa, P.E.; Nathan J. Junius, P.E., P.L.S.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Ongoing Since 2000	\$6,000,000	\$6,000,000



## TEC Professional Services Questionnaire

### PROJECT NO. 8

PROJECT NO. 8					
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:				
<p><b>Sewer Improvements - East Bank Pointe-a-la-Hache to Bohemia Plaquemines Parish, LA</b></p> <p><b>Ken Dugas, P.E. 8056 Highway 23 Belle Chasse, LA 70037 (504) 934-6115</b></p> <div style="text-align: center; margin-top: 20px;">  </div>	<p>This project consisted of the installation of a combination gravity/low pressure sewerage system in Plaquemines Parish on the East Bank of the Mississippi River from Pointe-A-La-Hache to Bohemia. This area was not previously serviced by public sewerage. Residents were serviced by septic tanks and individual sewage package treatment plants before construction of the project. The scope of this project included the connection of residences to the proposed sewerage system. This project was funded in part by the LCDBG Program.</p> <div style="text-align: right; margin-bottom: 10px;">  </div> <p>The project included installation of <b>8,000 linear feet of gravity sewer, 10,000 linear feet of sewer forcemain, 14,000 linear feet of sewer house connection piping, 40 manholes, 3 sewage lift stations, 20 individual grinder pump stations</b> and connection of house connection piping to 130 existing houses or structures.</p> <p>LH&amp;J provided all engineering services required for the project, including preparation of a topographic and utility survey, preparation of plans and specifications, bid phase services, and construction phase services including resident inspection. Additional services provided by LH&amp;J included the preparation the LCDBG Application for the project, preparation of a Coastal Use Permit Application, and assisting the Plaquemines Parish Government in conducting public meetings, obtaining permits and acquiring rights-of-way required for construction.</p> <p><b><u>Key Features Related to this Solicitation:</u></b> Sanitary Sewerage Design (Gravity Collection and Force Mains); Sewage Lift Station Design; Topographic Surveying</p> <p><b><u>Key Personnel Participation:</u></b> Robert E. Nockton, P.E.; Luis F. Sosa, P.E.</p>				
Completion Date (Actual or estimated):	Estimated Cost:				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: center;">Entire Project:</th> <th style="width: 50%; text-align: center;">Work for which Firm was Responsible:</th> </tr> <tr> <td style="text-align: center; vertical-align: middle;">\$1,073,000</td> <td style="text-align: center; vertical-align: middle;">\$1,073,000</td> </tr> </table>	Entire Project:	Work for which Firm was Responsible:	\$1,073,000	\$1,073,000
Entire Project:	Work for which Firm was Responsible:				
\$1,073,000	\$1,073,000				
2004 A					

## TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Kenner Wastewater Treatment Plant No. 3</b> Kenner, LA</p> <p><b>Tom Schreiner</b> <b>Deputy CAO Public Works &amp; Capital Projects</b> <b>Director of Public Works</b> <b>City of Kenner</b> <b>1610 Reverend Richard Wilson Drive</b> <b>Kenner, Louisiana 70062</b> <b>(504) 468-7515</b></p> <div style="text-align: center; margin-top: 20px;">  </div>	<p>Kenner Wastewater Treatment Plant No. 3 (WWTP 3) is the only wastewater treatment plant servicing the City of Kenner. The WWTP 3 serves a population of approximately 67,500. WWTP 3 is located directly north of I-10 West just east of the Jefferson Parish/ St. Charles Parish Parish Line. The City of Kenner is presently upgrading its sewage collection system, which includes increasing the pumping capacity of several major lift stations that pump directly to the WWTP 3.</p> <p>To accommodate the increased pumping capacity of these major lift stations and to reduce the occurrence of overflows during wet weather events, the City of Kenner chose to increase the hydraulic capacity of the WWTP 3 from 42 MGD to 62 MGD by constructing a new headworks with mechanical bar screening and grit removal capabilities that will collect all of the plant influent, two new 85-foot diameter final clarifiers and a new effluent pump station. LH&amp;J was responsible for the design of the new headworks and clarifiers.</p> <p>The WWTP 3 is a complex plant consisting of unit processes that were constructed over the past 50 years. Integration of the proposed improvements introduces a number of operational challenges. Prior to design of the proposed improvements, LH&amp;J performed a detailed assessment of the WWTP 3 and of the planned improvements to evaluate the treatment and hydraulic performance of the plant both before and after the proposed improvements are made. The assessment was also used to evaluate plant operability to assist the plant operators to enhance their operation of the plant over the range of flow conditions.</p> <p>Construction of this project was recently completed.</p> <p><b><u>Key Features Related to this Solicitation:</u></b> Wastewater Treatment</p> <p><b><u>Key Personnel Participation:</u></b> Robert E. Nockton, P.E.; Luis F. Sosa, P.E.; Nathan J. Junius, P.E., P.L.S.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017 A	\$15,500,000	\$15,500,000

## TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Rehabilitation and Upgrade of Magazine and Prytania Streets including Utilities</b> New Orleans, LA</p> <p><b>Tang Phan, P.E.</b> City of New Orleans Dept. of Public Works 1300 Perdido St, Rm6W02 New Orleans, LA 70112 (504) 565-6844</p> <div style="text-align: center; margin: 20px 0;">  </div> <div style="margin-top: 20px;">  </div>	<p>Magazine and Prytania Streets serve as major arterial roads for a bustling business area of the City of New Orleans. Complete closure of either of these streets would cripple, if not kill, many businesses in this area. Included as part of the design work is a major Construction Phasing Plan comprising seven (7) phases and six (6) different detour routes to keep the streets open to all merchants and their customers.</p> <p>The project required the removal of over 24,000 linear feet of streetcar tracks that were buried under Magazine and Prytania Streets. The total project included 16,000 linear feet of 35' wide concrete roadway, which included a heavy duty concrete pavement with an underlying aggregate base course. One section of Magazine Street, consisting of 2,000 linear feet within Audubon Park, required a major realignment in order to incorporate turning lanes accessing the park's facilities.</p> <p>The drainage system is to be replaced with 10,500 linear feet of 15" to 24" drain pipes. <b>Improvement of the sanitary sewer lines requires the replacement of 9,600 linear feet of 8" and 10" diameter sewer pipe, sewer manholes and house service connections.</b> Approximately 11,800 linear feet of 8" and 12" water mains will also be replaced.</p> <p>Linfield, Hunter &amp; Junius, Inc. is coordinating the requirements and concerns of several entities, including the Sewerage &amp; Water Board of New Orleans, Entergy, Cox Cable, the Downtown Development District, and local merchants' associations.</p> <p>LH&amp;J is providing complete engineering services for this project including preliminary engineering, surveys, traffic engineering, geotechnical engineering, final design, and construction phase services including resident inspection.</p> <p><b>Key Features Related to this Solicitation:</b> This project demonstrates capability and experience in design and phasing of complicated urban construction projects, coordination of third party utility relocations, <b>sewage collection system design</b>, road design, and construction phase services.</p> <p><b>Key Personnel Participation:</b> Sergio J. Girau, P.E.; Robert E. Nockton, P.E.; Mark K. Annino, E.I.; Nathan J. Junius, P.E., P.L.S., Wesley R. Eustis, P.E., P.L.S., Daniel D. Bindewald, Paul H. Morales, IV</p> <div style="text-align: right; margin-top: 20px;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018 A	\$10,000,000	\$10,000,000

**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. None		
2.		
3.		
4.		

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

## INTRODUCTION



**LINFIELD, HUNTER & JUNIUS, INC. (LH&J)** is pleased to submit its qualifications for the **Jefferson Parish Government Rehabilitation of the Transcontinental and Belle Lift Station (E8-1)** project as required by the advertisement. LH&J will provide surveying services and resident inspection services. LH&J and previous firms have been providing quality engineering and architectural services for over 55 years. As the design engineering consultant for numerous previous sewer lift station projects, LH&J is well postured to provide Jefferson Parish with a team of highly experienced and extremely capable engineers, land surveyors, and other design professionals who are intimately familiar with the critical design and construction considerations that are unique to this very important project. Our past experience gives us the knowledge and understanding of the needs for this project, in particular sewer lift station design and rehabilitation. This along with our extensive experience in civil engineering design puts LH&J in the advantageous position of being able to dive straight into the project without a learning curve. The professional TEAM selected was chosen because of their **Exceptional Qualifications** in their respective fields of expertise and because of the extensive collective experience working on sewer lift station projects.

We offer a very compact team of local professionals with specialized experience specific to the scope of work required by this solicitation. With all of the work being performed at the offices of LH&J and our subconsultants locally, and with our past experience working together on similar projects, we believe that there will be seamless coordination and interaction between team members. Furthermore, LH&J's in-house land surveyors will be prioritized to this project to ensure that field survey data is rapidly obtained and furnished to our design team. Also, any requirements to obtain supplemental data as the project progresses will be quickly addressed to avoid delays.

After Hurricane Katrina, the firm re-established operations within 2 days. We were probably the first engineering firm to re-establish operations in Metairie. Since Katrina we have significantly increased our staffing levels. Within the past 15 years the firm has designed, overseen, and managed over **\$3.5 Billion** in construction. Many of these projects have been completed or are near completion including several sewer projects.

## RELEVANT TO THIS PROJECT

LH&J has **unparalleled** lift station experience in the Metropolitan New Orleans area. Our proposed key personnel for this project have well over **150** cumulative years of experience in all facets of lift station design and construction administration, including new lift stations, upgrading of existing lift station capacities and repair and rehabilitation of existing lift stations. Our ongoing work rehabilitating and upgrading lift stations in the Belle Chasse area has led to a number of innovative designs, wherein lift station capacities have been systematically increased by a combination of pump replacement and rearrangement of discharge force mains to produce a more hydraulically efficient system.

**Recent lift station projects** include the N. Hullen and Veterans/Edenborn and Veterans Force Main Extension with Lift Station Improvements in Jefferson Parish (currently in design), the Increase Pumping Capacity of Lift Station Nos. 4 and 7 in Plaquemines Parish (recently completed) and the Sanitary Sewerage System along LA Highway 23 in Plaquemines Parish (first phase recently completed, second phase in design). See Section 8 for additional details for our most recent similar lift station projects.

**Our team clearly has all the experience and training necessary to provide all the services necessary for the Rehabilitation of the Transcontinental & Belle Lift Station (E8-1) project.**

### A. MINIMUM REQUIREMENTS FOR SELECTION

The persons or firm submitting a Statement of Qualifications shall have the following minimum qualifications:

1. The persons or firms under consideration shall have at least one (1) principal who is a registered professional engineer in the State of Louisiana.  
**This will be met by the Prime Consultant.**
2. The persons or firms under consideration shall have a professional in charge of the Project who is a registered professional engineer in the State of Louisiana with a minimum of five (5) years' experience.  
**This will be met by the Prime Consultant.**
3. The persons or firms under consideration shall have one (1) employee who is a registered professional engineer in the State of Louisiana in the applicable discipline involved. A subcontractor may meet this requirement only if the advertised Project involves more than one discipline.  
**Nathan J. Junius, P.E., P.L.S. is a Professional Land Surveyor registered in Louisiana with more than nineteen (19) years of experience in conducting topographic surveys.**  
**Wesley R. Eustis, P.E., P.L.S. is a Professional Land Surveyor registered in Louisiana with more than seventeen (17) years of experience in conducting topographic surveys.**

### B. EVALUATION CRITERIA

#### B.1 Professional Training and Experience

Our Team is well qualified to provide the services required for this project. We anticipate that the following services will be required and we have the complete team and will add to the Team as directed by the Parish to provide all these services.

- ✓ Sewerage and Civil Engineering
- ✓ Land Surveying
- ✓ Resident Inspection
- ✓ Traffic Engineering

### **Sewerage and Civil Engineering (Linfield, Hunter & Junius, Inc.)**

A summary of Linfield, Hunter & Junius, Inc.'s professional training and experience in the areas of sewerage includes:

- ✓ Professional staff with well over 150 cumulative years of experience in sewerage projects (see Items K and L).
- ✓ Firm background of over 40 years of sewerage experience.
- ✓ A proven track record of completed sewerage projects from feasibility studies following through to completed construction.
- ✓ Recent completion of successful sewerage projects which are similar to the scope of work of your current project.
- ✓ A working knowledge of state-of-the-art computerized methods and procedures for studies and design.

Linfield, Hunter & Junius, Inc. has a staff of engineers with significant experience in the discipline of sewerage engineering. The following list highlights this experience:

- Sergio J. Girau, P.E./Principal/Civil Engineer – Over 30 years of sewerage design experience
- Robert E. Nockton, P.E./Project Manager – 25 years of sewerage design experience
- Luis F. Sosa, P.E./Civil Engineer – Over 30 years of sewerage design experience
- Mark K. Annino/, E.I. – 25 years of sewerage design experience

### **Land Surveying (Linfield, Hunter & Junius, Inc.)**

Linfield, Hunter & Junius, Inc. (LH&J) employs **three full time Registered Professional Land Surveyors** and maintains **two fully staffed survey field crews** who are equipped with modern vehicles and state of the art survey equipment for both conventional and GPS surveying. Our crews have worked in difficult terrain conditions, including coastal marshes, and are equipped for and experienced at performing topographic, boundary, topographic bathymetric, right-of-way, control, and hydrographic surveys as well as performing bench leveling, construction layout surveys and settlement monitoring surveys. Our CADD Drafters are highly experienced in working with both Bentley MicroStation and Autodesk AutoCAD as required. LH&J also utilizes add in modules such as ArcView, Civilsoft and InRoads to enhance the efficiency of data processing and project deliverables. We are competent at working with any vertical and horizontal datum as specified by the Client's requirements. We utilize computer based survey data processing software to achieve maximum efficiency and ensure rapid and reliable deliverables for our Clients. Since placing an increased emphasis on land surveying services, the firm has completed over \$1,000,000 in land surveys for in-house designs and others.

#### **Public**

- Jefferson Parish Department of Public Works
- LA Department of Transportation and Development
- Audubon Park, New Orleans
- U.S. Army Corps of Engineers
- City of New Orleans Department of Public Works
- Sewerage and Water Board of New Orleans
- Plaquemines Parish Government
- Pontchartrain Levee District

#### **Private**

- CVS/Pharmacies – hundreds
- Dillard University
- Tulane University
- Children's Hospital
- Woodward Design+Build
- Friends of City Park, New Orleans, LA
- Dollar General Stores – over 50
- Exxon/Mobile Corporation
- New Orleans Park-N-Fly
- Multiple design consultants

- St. Tammany School Board statewide
- City of Hammond
- Tangipahoa Parish
- City of Baton Rouge
- University of New Orleans

**Registered Surveyors**

Nathan J. Junius, P.E., P.L.S.	BSCE, MSCE	19 years experience
Wesley R. Eustis, P.E., P.L.S.	BSCE	17 years experience

Nathan J. Junius, P.E., P.L.S. is a licensed surveyor and heads up Linfield, Hunter & Junius, Inc. surveying. In addition to extensive experience as a civil engineer, Mr. Junius has extensive experience in all aspects of land surveying.

Wesley R. Eustis, P.E., P.L.S. is a licensed surveyor. In addition to extensive experience as a civil engineer, Mr. Eustis has extensive experience in all aspects of land surveying.

Examination of the attached resumes project descriptions in Item K demonstrates that the firm has the professional training and experience to provide complete land surveying services.

**B.2 Size of Firm**

Linfield, Hunter & Junius, Inc. employs forty (40) individuals, as shown in Item E above. The size of our firm is ideal for projects such as the proposed project because:

- ✓ The firm is large enough that it can absorb projects of the size of the proposed project and not become overburdened by them.
- ✓ The firm is small enough to be nimble and responsive to the client.
- ✓ The management structure is not multi-layered, which facilitates resolution of issues that could otherwise slow down a project.

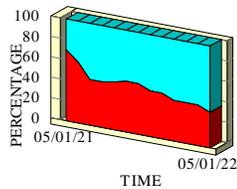
**B.3 Capacity for Timely Completion of Newly Assigned Work**

Linfield, Hunter & Junius, Inc. (LH&J) has been in business as a provider of quality engineering services in Southeast Louisiana for over 50 years. After Hurricane Katrina, the firm reestablished operations within 2 days. We were probably the first engineering firm to re-establish operations in Metairie. Since Katrina we have increased our staffing levels including engineers. Within the past 5 years the firm has designed, overseen, and managed over \$1.5 Billion in construction. Many of these projects have been completed or are near completion including the design of the \$160 Million Sewerage and Water Board Pumping Station Storm Proofing Project. Therefore, we have a large engineering team available to jump on this project. This project can be easily absorbed by the firm, as we will have substantial reserve capacity to meet any reasonable project schedule.

Our current and projected firm capacity shown below indicates a 40% capacity shortfall by June 2021. The 15% capacity anticipated for sewer projects would be very welcome and needed to maintain our current staff levels.

## Linfield, Hunter & Junius, Inc.

### Firm Capacity



■ Firm Workload ■ Excess Capacity

Fast turnaround time is an excellent indication of our ability to respond to the needs of our clients.

**Linfield, Hunter & Junius, Inc. has a well-deserved reputation for completing public projects on time; in fact, our firm often completes designs awarded to several firms at the same time before other firms' designs have been completed. Recent examples of this include:**

- **17<sup>th</sup> Street Canal Widening – Hoey's Canal to Airline Drive**

The schedule for this project was accelerated to accommodate aggressive grant funding deadlines. Linfield, Hunter & Junius, Inc. completed design sufficiently ahead of schedule such that the project was bid and construction begun several weeks before the grant deadline date for construction.

- **Hoey's Canal Bypass**

Linfield, Hunter & Junius, Inc. completed design of the first phase of this project ahead of schedule to meet aggressive grant funding deadlines.

- **Alcee Fortier/Pressburg Streets**

This project was designed by Linfield, Hunter & Junius, Inc. and constructed ahead of similarly-sized projects awarded to other firms at the same time.

- **Earhart Boulevard**

Five firms were awarded similarly-sized parts of this project; Linfield, Hunter & Junius, Inc. received the last of these awards yet completed its design first.

- **Leon C. Simon and Gentilly Road Bridges**

Of the eight bridge projects awarded to various firms, Linfield, Hunter & Junius, Inc.'s two bridge projects were the first designs completed, and construction of these bridges was completed first.

- **Hollygrove Area Drainage Project**

This may be the largest single SELA drainage project. The design was completed on time under a very aggressive schedule and the firm was given the **USACE's highest rating of "EXCELLENT" including an "OUTSTANDING" rating** for the "Management and Adherence to Schedules" category. Construction is complete.

- **17<sup>th</sup> St. Canal Levee Breach Repairs, Interim Closure Structure, and Interim Pumping System**

This was among the most visible and important public projects in New Orleans and Jefferson Parish subsequent to Hurricane Katrina. The design was completed under a very aggressive fast track schedule while the firm reestablished operations and restored its flooded offices in Metairie. More than \$200 Million dollars of improvements were designed within one year. Gates and temporary drainage pumps were in place and operational in time for the 2006 hurricane season less than one year after Hurricane Katrina. The Corps of Engineers issued a **Certificate of Appreciation to the firm for Outstanding Service** in providing engineering support in Southeast Louisiana subsequent to Hurricane Katrina. **The firm received a**

**National Honor Award in 2009** from the American Council of Engineering Companies for design of the 17<sup>th</sup> St. Canal Interim Closure Structure.

#### **B.4 Past Performance by Person or Firm on Similar Contracts**

The firm received its first Jefferson Parish contract in 1991, and to date has received the following engineering projects:

- ✓ N. Hullen and Veterans / Edenborn and Veterans Force Main Extension with Lift Station Improvements – COMPLETED
- ✓ Canal Street Improvements – COMPLETED
- ✓ Widening and Deepening of the 17th Street Canal – COMPLETED
- ✓ FEMA Submerged Road Program District 5 Asphalt – COMPLETED
- ✓ Cuddihy Drive and Woodvine Avenue Drainage Improvements - COMPLETED
- ✓ Livingston Place East and West Drainage Improvements - COMPLETED
- ✓ Russell Street Drainage Improvements - COMPLETED
- ✓ Geisenheimer Canal Improvements - COMPLETED
- ✓ Dakin St. Pump Station - COMPLETED
- ✓ Geisenheimer Basin Drainage Study - COMPLETED
- ✓ Hoey's Bypass Canal – Phase I - COMPLETED
- ✓ Hoey's Bypass Canal – Phase II - COMPLETED
- ✓ Hoey's Canal Drainage Improvements (Phase II and III) – Phase III-a - COMPLETED
- ✓ Hoey's Canal Drainage Improvements (Phase II and III) – Phase III-b - COMPLETED
- ✓ Hoey's Canal Drainage Improvements (Phase II and III) – Phase III-c – IN DESIGN
- ✓ Hoey's Basin PAC - COMPLETED
- ✓ Labarre Business Park Drainage Improvements – COMPLETED
- ✓ Woodlawn Drainage Improvements - COMPLETED
- ✓ Dakin Street Corridor – Phase I - COMPLETED
- ✓ Dakin Street Corridor – Phases II and III – IN DESIGN
- ✓ Traffic Engineering – ON AS-NEEDED BASIS

See Item L for additional details regarding work for Jefferson Parish for selected projects.

We have had repeat assignments from all of our public sector clients demonstrating our capabilities to perform at a high level, regardless of the project scope. To the best of our knowledge, **all public projects have been completed within the allotted design time and to the clients' satisfaction.** Fast turnaround time is an excellent indication of our ability to respond to the needs of our clients; **quality is attested to by the number of repeat public clients we have.** Throughout Linfield, Hunter & Junius, Inc.'s history we have maintained an excellent working relationship with each public client. This is a significant accomplishment of which we are very proud.

#### **Major continuing repeat public clients include:**

- ✓ Jefferson Parish since 1991 (30 years)
- ✓ The Port of New Orleans since 1971 (50 years)
- ✓ U.S. Army Corps of Engineers since 1973 (48 years)
- ✓ Plaquemines Parish Government since 1973 (48 years)
- ✓ City of New Orleans since 1974 (47 years)
- ✓ U.S. Navy, Southern Division since 1975 (46 years)
- ✓ Sewerage & Water Board of New Orleans since 1979 (42 years)
- ✓ Tangipahoa Parish since 2006 (15 years)

Below is a sampling of awards and commendations our projects have received:

- The New Orleans District of the Corps of Engineers gave Linfield, Hunter & Junius, Inc. a rating of “**Excellent**” for the \$38 million Hollygrove Area Drainage Improvements project (see attached rating).
- The Vicksburg District of the Corps of Engineers recently formally rated the firm’s performance as “**Highly Recommended**”.
- A City of New Orleans department director recently told us (and others) that **Linfield, Hunter & Junius, Inc. should be used as the example for other consulting engineering firms to emulate.**
- The Board of Commissioners of the Port of New Orleans recently commended the firm’s “**outstanding professional services**” in an emergency situation, which allowed the board “to receive bids and award a construction contract in record time” (see attached letters of recommendation).
- The Corps of Engineers issued a **Certificate of Appreciation to the firm for Outstanding Service** in providing engineering support in Southeast Louisiana subsequent to Hurricane Katrina (see attached letter and Certificate of Appreciation).
- The firm received a **National Honor Award** from the American Council of Engineering Companies for design of the 17th St. Canal Interim Closure Structure in 2009.
- The firm received an **Award of Excellence** for the Harvey Floodwall Project in 2009.
- The **New Orleans Business Round Table commended the firm** for the Reconstruction of Tidewater Road in 2009;
- **ACI awarded an Engineering Excellence Award** to the firm for design of the Metairie Road Bridge Project in 2000.

#### **B.5 Location of Principal Office Where Work Will Be Performed**

Linfield, Hunter & Junius, Inc. is located in Jefferson Parish at **3608 18<sup>th</sup> Street, Metairie, LA 70002**. We are centrally located in the parish, and all work will be performed from this office.



#### **B.6 Status of Current Litigation with Jefferson Parish**

Linfield, Hunter & Junius, Inc. has no previous or on-going litigation with Jefferson Parish.

**B.7 Prior Successful Completion of Projects of the Type and Nature Engineering Services, as defined, for Which Firm Has Provided Verifiable References**

Linfield, Hunter & Junius, Inc. has a staff of engineers with significant experience providing the professional services required for this project. **Examination of the Resumes in Item K and the Project Descriptions in Item L demonstrates the extensive experience of our staff** in providing the services required for this project. Our team has a proven track record of completed major projects from feasibility studies following through to completed construction, and has recently completed a number of successful major sewer projects which are similar to the scope of work of your current project and in the same geographical area.

**LH&J professionals are licensed to practice civil engineering, environmental engineering, structural engineering, surveying, and architecture, and are nationally certified.** As design professionals, the LH&J staff members are active in professional organizations and take advantage of continuing education opportunities. Company design professionals attend seminars on the latest in civil, environmental, structural, and architectural design, traffic and surveying, code issues and applications, regulatory matters, materials, Total Quality Management (TQM), project management, and business management.

**The management staff of Linfield, Hunter & Junius, Inc. have been recognized by their peers for their professionalism, expertise, and leadership.** The staff members are actively involved in professional associations, and often have served as President, Vice President or Committee Chairmen for these associations.

**Closing Statement**

**We are extremely interested in this solicitation.**

**Linfield, Hunter & Junius, Inc. has extensive experience in the design of sewerage improvement projects in Jefferson Parish and throughout the New Orleans Metropolitan Area.**

**Linfield, Hunter & Junius, Inc. has the capacity to easily absorb this project assignment.**

**Please give us your serious consideration.**

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

**Signature:** \_\_\_\_\_

**Printed Name:** Nathan J. Junius, P.E., P.L.S.

**Title:** Vice President

**Date:** May 24, 2021

### PERFORMANCE EVALUATION (ARCHITECT-ENGINEER)

A-E CONTRACTOR I.D. NUMBER  
(For ACASS use only) 101230

1. A-E CONTRACT NUMBER  
DACW29-97-C-0048

2. CONSTRUCTION CONTRACT NUMBER

IMPORTANT: Be sure to complete Performance section on reverse. If additional space is necessary for any item, use Remarks section on reverse.

3. TYPE OF EVALUATION			4. PROJECT NUMBER	5. DELIVERY ORDER NUMBER(S) (if applicable)
3a. PHASE OF COMPLETION	3b. COMPLETION (Check one)	3c. CHECK IF APPLICABLE		
<input checked="" type="checkbox"/> INTERIM (84) <input type="checkbox"/> FINAL	<input checked="" type="checkbox"/> DESIGN <input type="checkbox"/> ENGINEERING SERVICES <input type="checkbox"/> CONSTRUCTION	<input type="checkbox"/> TERM. (Explain in REMARKS on reverse)		

6. NAME AND ADDRESS OF A-E CONTRACTOR	7a. PROJECT TITLE AND LOCATION
Linfield, Hunter & Junius, Inc. 3500 N. Causeway Blvd., Suite 200 Metairie, LA 70002	Southeast Louisiana Project New Orleans, LA
<b>DUTY STATE CONTRACT</b>	7b. DESCRIPTION OF PROJECT IF NOT EXPLAINED BY TITLE
	Hollygrove Area Drainage Project

8. NAME, ADDRESS AND PHONE NUMBER OF OFFICE RESPONSIBLE FOR:	
8a. SELECTION OF A-E CONTRACTOR	8b. NEGOTIATION/AWARD OF A-E CONTRACT
Engineering Division New Orleans District New Orleans, LA (504) 862-2623	Elois Evans CEMVN-CT-T
8c. ADMINISTRATION OF A-E CONTRACT	8d. ADMINISTRATION OF CONSTRUCTION CONTRACT
Gary L. Hawkins CEMVN-ED-SR	

9. A-E CONTRACT DATA <small>(Items 9d thru 9g are not applicable during construction unless there are modifications to the A-E contract) -- "See Instructions"</small>			
9a. TYPE OF WORK PERFORMED BY A-E (DESIGN, STUDY, ETC.)	9b. TYPE OF A-E CONTRACT		
Design	<input checked="" type="checkbox"/> FIRM FIXED-PRICE <input type="checkbox"/> INDEFINITE DELIVERY/INDEFINITE QUANTITY <input type="checkbox"/> COST-REIMBURSEMENT <input type="checkbox"/> OTHER (Specify)		
9c. PROJECT COMPLEXITY	9d. PROFESSIONAL SERVICES CONTRACT		
<input type="checkbox"/> DIFFICULT <input checked="" type="checkbox"/> ROUTINE	INITIAL A-E FEE	A-E CONTRACT MODIFICATIONS	TOTAL A-E FEE
	\$2,000,000.00	NO.    AMOUNT 8    \$518,350.00	\$2,518,350.00
9e. A-E CONTRACT AWARD DATE	9f. NEGOTIATED A-E CONTRACT COMPLETION DATE (OR NUMBER OF DAYS) (including extensions)	9g. ACTUAL A-E CONTRACT COMPLETION DATE (OR NUMBER OF DAYS)	
6 May 97	19 Feb 02	19 Feb 02	
9e1. DELIVERY ORDER AWARD DATE	9f1. COMPLETION DATE	9f2. NUMBER OF DAYS	9g1. COMPLETION DATE    9g2. NUMBER OF DAYS

10. CONSTRUCTION CONTRACT DATA <small>(Not applicable at completion of design or engineering services not involving construction)</small>			
10a. CONSTRUCTION COSTS	10a(1). AUTHORIZED CONSTRUCTION COST	10a(2). A-E ESTIMATE FOR BID ITEMS AWARDED	10a(3). AWARD AMOUNT
	\$	\$	\$
10b. DATA AT TIME OF CONSTRUCTION COMPLETION (Completion date)	NUMBER		TOTAL COST
10b(1). CONSTRUCTION MODIFICATIONS			\$
10b(2). CONSTRUCTION MODIFICATIONS ARISING FROM DESIGN DEFICIENCIES			\$

11. A-E LIABILITY     NONE     UNDETERMINED     PENDING \$     SETTLEMENT \$

12. OVERALL RATING	13. RECOMMENDED FOR FUTURE CONTRACTS?
<input checked="" type="checkbox"/> EXCELLENT <input type="checkbox"/> ABOVE AVERAGE <input type="checkbox"/> AVERAGE <input type="checkbox"/> BELOW AVERAGE <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> CONDITIONALLY <input type="checkbox"/> NO (Explain no or conditional in REMARKS on reverse)

14a. NAME, TITLE AND OFFICE OF RATING OFFICIAL	15a. NAME, TITLE AND OFFICE OF REVIEWING OFFICIAL
GARY L. HAWKINS Contracting Officer's Representative PHONE NUMBER (504) 862-2077	GERARD S. SATTERLEE, JR. Chief, Engineering Division PHONE NUMBER (504) 862-2240
14b. SIGNATURE	15b. SIGNATURE
<i>Gary L. Hawkins</i>	<i>Gerard S. Satterlee</i>
14c. DATE	15c. DATE (Official Report Date)
11/12/99	11/15/99

AGENCY USE (Distribution, etc.)

## FOR OFFICIAL USE ONLY

6.

**QUALITY OF A-E SERVICES BY DISCIPLINE**

(Completion mandatory for both DESIGN and CONSTRUCTION phases evaluations and Engineering Services Evaluations)

6a. DISCIPLINES (if applicable)	DESIGN/SERVICES			CONSTRUCTION			16b. DISCIPLINE, NAME AND ADDRESS OF KEY CONSULTANT(S) (if applicable)
	OUT- STANDING	SATIS- FACTORY	UNSATIS- FACTORY	OUT- STANDING	SATIS- FACTORY	UNSATIS- FACTORY	
ARCHITECTURAL	X						
STRUCTURAL	X						
CIVIL	X						
MECHANICAL	X						
ELECTRICAL	X						
FIRE PROTECTION	N/A						
SURVEY AND MAPPING	X						
COST ESTIMATING		X					
VALUE ENGINEERING		X					
ENVIRONMENTAL ENGINEERING	N/A						
GEOTECHNICAL ENGINEERING	X						
MASTER PLANNING	N/A						
HYDROLOGY	N/A						
CHEMICAL ENGINEERING	N/A						
GEOLOGY	N/A						

17. **DESIGN PHASE OR ENGINEERING SERVICES:**  
(Quality of A-E Services Evaluation)

ATTRIBUTES	N/A	OUT- STANDING	SATIS- FACTORY	UNSATIS- FACTORY
THOROUGHNESS OF SITE INVESTIGATION		X		
QUALITY CONTROL PROCEDURES AND EXECUTION		X		
PLANS/SPECS ACCURATE AND COORDINATED		X		
PLANS CLEAR AND DETAILED SUFFICIENTLY		X		
MANAGEMENT AND ADHERENCE TO SCHEDULES		X		
MEETING COST LIMITATIONS		X		
SUITABILITY OF DESIGN OR STUDY RESULTS		X		
SOLUTION ENVIRONMENTALLY SUITABLE		X		
COOPERATIVENESS AND RESPONSIVENESS		X		
QUALITY OF BRIEFING AND PRESENTATIONS		X		

18. HOW MANY 100% FINAL RESUBMITTALS WERE REQUIRED BECAUSE OF POOR A-E PERFORMANCE? \_\_\_\_\_

19. **CONSTRUCTION PHASE:**  
(Quality of A-E Services Evaluation)

ATTRIBUTES	N/A	OUT- STANDING	SATIS- FACTORY	UNSATIS- FACTORY
PLANS CLEAR AND DETAILED SUFFICIENTLY				
DRAWINGS REFLECT TRUE CONDITIONS				
PLANS/SPECS ACCURATE AND COORDINATED				
DESIGN CONSTRUCTIBILITY				
COOPERATIVENESS AND RESPONSIVENESS				
TIMELINESS AND QUALITY OF PROCESSING SUBMITTALS				
PRODUCT AND EQUIPMENT SELECTIONS READILY AVAILABLE				
TIMELINESS OF ANSWERS TO DESIGN QUESTIONS				
FIELD CONSULTATION AND INVESTIGATIONS				
QUALITY OF CONSTRUCTION SUPPORT SERVICES				

20. REMARKS (Attach additional Sheet(s) or Documentation if necessary)

Concerning Value Engineering, the AE has not provided cost saving recommendations relative to design or construction costs that would justify an outstanding rating. Concerning Cost Estimating, the AE's cost estimates are conservative in some areas and as a result do not warrant an outstanding rating.



August 13, 2007

Mr. Ralph Junius  
Linfield, Hunter & Junius, Inc.  
3608 18<sup>th</sup> Street, Suite 200  
Metairie, Louisiana 70002

Dear Mr. Junius:

This is to express to you and your staff that it has been a pleasure to work with Mr. Tom Knight and Mr. Mark Annino on recent projects at the Port of New Orleans. Whether it has been a complicated repair of a wind or fire damage, or preliminary engineering for a potential major project, your senior engineers have provided outstanding service to us.

Both of these engineers not only excel in their civil engineering expertise and technical knowledge, but exhibit an aptitude for truly listening to the client and providing what is needed, the way it is needed, and when it is needed. Their responses are prompt and their deliverables are accurate, useful, and exceed our expectations.

I'm sure there are others in your firm that support the work assignments of Mark and Tom, so please share accolades and thanks to them, as well. It is truly refreshing to work with the LHJ team. Port staff has the utmost confidence in the engineering assignments performed and the quality of the work provided.

Thanks for finding time to accommodate us when we have an urgent task, as we are sure that your staff is already quite busy. Keep up the good work. We truly enjoy our working relationship with LHJ.

Sincerely,

Deborah D. Keller, P.E.  
Director, Port Development Division

DDK:jeg

cc: Mr. Mark Annino  
Mr. Tom Knight  
O:\WPENG\Letter to LHJ.wpd



February 8, 1999

Linfield, Hunter and Junius, Inc.  
3500 North Causeway Boulevard, Suite 200  
Metairie, Louisiana 70002  
Attention: Mr. Ralph Junius

**RE: PROFESSIONAL SERVICES PROVIDED  
AT NASHVILLE AVENUE TERMINAL**

Dear Mr. Junius:

I wanted to commend you and your staff of engineers for the outstanding professional services provided to the Port of New Orleans in the aftermath of a major vessel allision at our Nashville Avenue Terminal.

Your team responded to our request for services immediately and was instrumental in assessing the extent of the damages. Plans and specification were prepared expeditiously so that we could receive bids and award a construction contract in record time.

Throughout construction your staff was available for consultation with the Board's engineering team and the contractor. Submittals were thoroughly yet quickly reviewed by your engineers.

The Nashville Avenue Terminal is one of our busiest facilities and contains the only Port of New Orleans wharves on the Mississippi with multipurpose gantry cranes. It was crucial to our customers to restore the facility as quickly as possible. Nearly \$200,000 of reconstruction was necessary.

It was a pleasure to work with Linfield, Hunter and Junius, Inc. under these most difficult circumstances and we could not have restored the wharf so quickly without your firm's assistance.

Sincerely,

Deborah D. Keller  
Senior Manager, Operations

DDK/mal



REPLY TO  
ATTENTION OF:

DEPARTMENT OF THE ARMY  
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS  
P.O. BOX 60267  
NEW ORLEANS, LOUISIANA 70160-0267

October 15, 2008

Engineering Division  
Civil Branch

ACEC  
American Council of Engineering Companies  
Attn: Daisy Nappier  
1015 15<sup>th</sup> Street, N.W.  
8<sup>th</sup> Floor  
Washington, D.C. 20005-2605

Re: 2009 Engineering Excellence Awards  
17<sup>th</sup> Street Canal Interim Closure Structure

Dear Ms. Nappier:

After Hurricane Katrina, the U.S. Army Corps of Engineers was faced with the unprecedented challenge of quickly restoring hurricane protection in a region devastated by a storm of historic proportions. We called upon Linfield, Hunter & Junius, Inc. (LH&J) to assist in our hurricane recovery efforts.

Starting immediately after Hurricane Katrina struck, LH&J provided designs for repair of 17<sup>th</sup> Street Canal breaches. Over the coming months, they designed the gate structure and the first phase of pumps. Working closely with our Task Force Guardian LH&J provided construction drawings for the gate structure within just a few months of Katrina. LH&J continued to work with us diligently through completion of the project in 2007.

The 17<sup>th</sup> Street Canal Interim Closure Structure solved an important engineering challenge faced by our organization. The project was completed on a very aggressive schedule in a challenging environment exceeding what we expected. The U.S. Army Corps of Engineers awarded LH&J a Certificate of Appreciation for Support of Task Force Guardian in recognition of the outstanding contribution they provided in support of our efforts in rebuilding the Hurricane Protection System in Southeast Louisiana.

Yours very truly,

Walter O. Bauny, Jr., P.E.  
Chief, Engineering Division  
U.S. Army Corps of Engineers  
New Orleans District  
7400 Leake Avenue  
New Orleans, LA 70118



**USACE - New Orleans District**  
*Certificate of Appreciation*

is presented to

**Linfield Hunter & Junius, Inc.**

For exceptional achievement in support of the Mississippi Valley Division's New Orleans District and the execution of the Hurricane and Storm Damage Risk Reduction System (HSDRRS) mission. The Linfield Hunter & Junius, Inc. contractors' professionalism, competence, and initiative were instrumental to the successful execution in surveying of multiple sites critical to the completion of both design and the construction of the HSDRRS project.

Linfield Hunter & Junius' outstanding achievement is in keeping with the finest traditions of public service and reflects great credit upon the Linfield Hunter & Junius, Inc. team, the U.S. Army Corps of Engineers, and the United States Army.

06 February 2012



**US Army Corps  
of Engineers**®  
New Orleans District

Edward R. Fleming  
Colonel, US Army  
Commander, New Orleans District  
US Army Corps of Engineers



# CERTIFICATE OF APPRECIATION

FOR

## SUPPORT OF TASK FORCE GUARDIAN

AWARDED TO

### Linfield Hunter & Junius, Inc.

in recognition of the outstanding contributions your company provided in support of Task Force Guardian and the U.S. Army Corps of Engineers in the rebuilding of the Hurricane Protection System of southeast Louisiana. The efforts of your company were integral to meeting the Corps' goal of restoring protection by the June 1 start of hurricane season. The willingness of your employees to work long hours under difficult conditions is a tribute to the professionalism of your company and demonstrates your commitment to rebuilding southeast Louisiana.

*Walter O. Baumy, Jr.*

WALTER O. BAUMY, JR.  
DEPUTY PROGRAM MANAGER  
TASK FORCE GUARDIAN



US Army Corps  
of Engineers®  
New Orleans District

*Lewis F. Setliff III*

LEWIS F. SETLIFF III  
COLONEL, U.S. ARMY  
COMMANDER, TASK FORCE GUARDIAN

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

**Name:** Linfield, Hunter & Junius, Inc.  
**Public Address:** 3608 18th Street, Suite 200  
 Metairie, LA 70002

**License/Certificate Information w/ Supervision**

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0000510	ACTIVE	05/23/1979	03/31/2023	Mr. Nathan John Junius # PE.0031843 - Active

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

**Name:** Linfield, Hunter & Junius, Inc.  
**Public Address:** 3608 18th Street, Suite 200  
 Metairie, LA 70002

**License/Certificate Information w/ Supervision**

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000532	ACTIVE	06/15/2004	09/30/2022	Mr. Nathan John Junius # PLS.0004958 - Active

[Print](#) [Close](#)



9643 Brookline Avenue | Suite 121 | Baton Rouge, LA 70809-1433  
 225-925-6291 | Fax 225-925-6292

**Statement of Qualifications**

AFFIDAVIT

STATE OF LOUISIANA

PARISH/~~COUNTY~~ OF JEFFERSON

BEFORE ME, the undersigned authority, personally came and appeared: Sergio J. Girau  
\_\_\_\_\_, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized Vice President of Linfield, Hunter & Junius, Inc(Entity),  
the party who submitted a Statement of Qualifications (SOQ) to Rehabilitation of the Transcontinental &  
Belle Lift Station (E8-1)-Resoluton No. 137449 (Briefly describe the services the SOQ  
will cover), to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A**   x   Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

**Choice B** \_\_\_\_\_ there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B   x   There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

Solicitation of Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all elected officials of the Parish of Jefferson, whether still holding office at the time of the affidavit or not, where the elected official, individually, either by **telephone or by personal contact**, solicited a campaign contribution or other monetary consideration from the Entity, including the Entity's officers, directors and owners, and employees owning twenty-five percent (25%) or more of the Entity, during the two-year period immediately preceding the date the affidavit is signed. Further, to the extent known to the Affiant, the date of any such solicitation is included on the attached list.

Choice B   x   there are **NO** solicitations for campaign contributions which would require disclosure under Choice A of this section.

Affiant further said:

Subcontractor Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Affiant further said that attached is a listing of all subcontractors, excluding full time employees, who may assist in providing professional services for the aforementioned SOQ.

**Choice B** x \_\_\_\_\_ There are **NO** subcontractors which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

*[The remainder of this page is intentionally left blank.]*

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

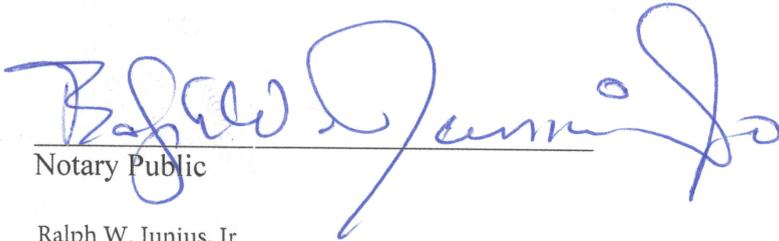
  
Signature of Affiant

Sergio J. Girau, Vice President  
Linfield, Hunter & Junius, Inc.

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 21st DAY OF May, 2021.



Notary Public

Ralph W. Junius, Jr.

Printed Name of Notary

27467

Notary/Bar Roll Number

My commission expires at Death.



**Campaign Contributions  
Linfield, Hunter & Junius, Inc.  
Ralph W. Junius, Jr.  
Nathan J. Junius  
January 8, 2020 to May 21, 2021 - Current Term**

**Current President and Council**

**Cynthia Lee Sheng – Parish President**

Date Amount Donor

**Current Term**

None

**Past Term – Council At Large-District B-Ended**

**01/07/2020**

05/24/18 \$1,000 Linfield, Hunter & Junius, Inc.  
12/04/18 \$1,000 Linfield, Hunter & Junius, Inc.  
09/27/19 \$4,000 Nathan J. Junius  
09/30/19 \$1,000 Nathan J. Junius

**Ricky Templet – At Large-District A**

Date Amount Donor

**Current Term**

03/16/21 \$1,000 Linfield, Hunter & Junius, Inc.

**Past Term – Council – District 1 -Ended 01/07/2020**

05/07/18 \$ 500 Linfield, Hunter & Junius, Inc.  
07/16/18 \$ 500 Linfield, Hunter & Junius, Inc.  
04/04/19 \$2,500 Linfield, Hunter & Junius, Inc.  
05/23/19 \$1,000 Nathan J. Junius  
07/26/19 \$ 500 Nathan J. Junius

**Scott Walker – At Large-District B**

Date Amount Donor

**Current Term**

11/18/20 \$1,000 Linfield, Hunter & Junius, Inc.

**Marion F. Edwards – Council – District 1**

Date Amount Donor

**Current Term**

03/02/20 \$1,000 Linfield, Hunter & Junius, Inc.

**Deano Bonano – Council – District 2**

Date Amount Donor

**Current Term**

03/05/20 \$ 500 Linfield, Hunter & Junius, Inc.  
05/05/21 \$ 500 Linfield, Hunter & Junius, Inc.

**Byron Lee – Council – District 3**

Date Amount Donor

**Current Term**

None

**Dominick S. Impastato – Council – District 4**

Date Amount Donor

**Current Term**

03/05/20 \$1,000 Linfield, Hunter & Junius, Inc.

**Past Term – Council – District 4-11/01/17-01/07/2020**

04/18/18 \$1,000 Linfield, Hunter & Junius, Inc.  
10/18/18 \$ 250 Linfield, Hunter & Junius, Inc.  
03/16/19 \$ 250 Linfield, Hunter & Junius, Inc.  
09/05/19 \$ 500 Nathan J. Junius

**Jennifer Van Vranken – Council District 5**

Date Amount Donor

**Current Term**

03/17/21 \$ 500 Linfield, Hunter & Junius, Inc.

**Past Term – Council – District 5 -Ended 01/07/2020**

05/09/18 \$ 500 Nathan J. Junius  
11/14/18 \$1,000 Nathan J. Junius  
06/26/19 \$1,000 Nathan J. Junius  
09/04/19 \$ 500 Ralph W. Junius, Jr.

**Joseph Lopinto - Sheriff**

Date Amount Donor

**Current Term**

09/11/17 \$2,500 Linfield, Hunter & Junius, Inc.  
10/16/17 \$1,000 Linfield, Hunter & Junius, Inc.  
05/31/18 \$ 500 Linfield, Hunter & Junius, Inc.  
10/26/18 \$1,000 Linfield, Hunter & Junius, Inc.  
04/16/19 \$1,000 Linfield, Hunter & Junius, Inc.

**Thomas Capella - Assessor**

Date Amount Donor

**Current Term**

11/26/18 \$1,000 Linfield, Hunter & Junius, Inc.

**Jason Ural – Constable**

Date Amount Donor

**Current Term**

08/03/20 \$ 250 Linfield, Hunter & Junius, Inc.  
09/29/20 \$ 250 Linfield, Hunter & Junius, Inc.



**Past President and Council**

**Michael S. Yenni – Parish President**

Date Amount Donor

**Term Ended 01/07/2020**

10/24/18	\$1,000	Nathan J. Junius
02/21/19	\$1,000	Nathan J. Junius
05/09/19	\$ 250	Nathan J. Junius
07/16/19	\$1,500	Ralph W. Junius, Jr.
08/07/19	\$1,250	Ralph W. Junius, Jr.

**Paul Johnston – Council - District 2**

Date Amount Donor

**Term Ended 01/07/2020**

09/04/18	\$1,000	Linfield, Hunter & Junius, Inc.
11/12/18	\$1,000	Linfield, Hunter & Junius, Inc.
01/22/19	\$ 100	Linfield, Hunter & Junius, Inc.
03/26/19	\$ 400	Linfield, Hunter & Junius, Inc.
03/28/19	\$ 600	Nathan J. Junius
06/04/19	\$ 500	Nathan J. Junius
06/27/19	\$1,259.50	Nathan J. Junius - In Kind
07/08/19	\$ 110.82	Nathan J. Junius – In Kind
07/13/19	\$1,000	Nathan J. Junius
08/27/19	\$ 429.68	Nathan J. Junius
09/23/19	\$500	Ralph W. Junius, Jr.

**Mark Spears – Council – District 3**

Date Amount Donor

**Term Ended 01/07/2020**

09/20/19	\$ 500	Nathan J. Junius
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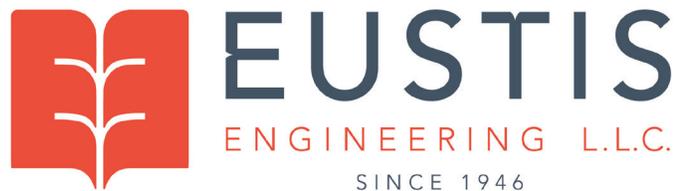


## Professional Engineering Service

PROFESSIONAL ENGINEERING SERVICES RELATED TO THE DESIGN FOR THE  
REHABILITATION OF THE TRANSCONTINENTAL & BELLE LIFT STATION (E8-1).

**RESOLUTION NO. 137449**

# *TEC Professional Services Questionnaire*



**TEC Professional Services Questionnaire**

<b>A. Project Name and Advertisement Resolution Number:</b>																													
SOQ 21-008 Provide Professional Engineering Services – Design for Rehab of Transcontinental & Belle Lift Station																													
<b>B. Firm Name &amp; Address where Project Work Will be Performed:</b>																													
<b>Eustis Engineering L.L.C.</b>																													
3011 28 <sup>th</sup> Street, Metairie, Louisiana 70002																													
<b>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:</b>																													
Gwendolyn P. Sanders, P.E. / President / 504-834-0157 / <a href="mailto:gsanders@eustiseng.com">gsanders@eustiseng.com</a>																													
<b>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.</b>																													
Gwendolyn P. Sanders, P.E. / President / 504-834-0157 / <a href="mailto:gsanders@eustiseng.com">gsanders@eustiseng.com</a>																													
<b>E. Please provide the number of employees whose primary function corresponds with each category:</b>																													
<table style="width:100%; border: none;"> <tr><td style="width:33%;"><u>  7  </u> Administrative</td><td style="width:33%;"><u>      </u> Estimators</td><td style="width:33%;"><u>      </u> Specification Writers</td></tr> <tr><td><u>      </u> Architects (Licensed)</td><td><u>   1   </u> Geologists</td><td><u>      </u> Structural Engineers</td></tr> <tr><td><u>      </u> Chemical Engineers</td><td><u>  13  </u> Geotechnical Engineers</td><td><u>   1   </u> Graduate Engineers</td></tr> <tr><td><u>      </u> Civil Engineers</td><td><u>      </u> Interior Designers</td><td><u>      </u> Project Managers</td></tr> <tr><td><u>      </u> Construction Inspectors</td><td><u>      </u> Landscape Architects</td><td><u>   7   </u> Clerical</td></tr> <tr><td><u>      </u> Ecologists</td><td><u>      </u> Land Surveyor</td><td><u>      </u> Grant/Funding Specialist</td></tr> <tr><td><u>      </u> Electrical Engineers</td><td><u>      </u> Mechanical Engineers</td><td><u>      </u> Sanitary Engineers</td></tr> <tr><td><u>   4   </u> Engineer Intern</td><td><u>      </u> Environmental Engineers</td><td><u>  48  </u> <b>Other</b></td></tr> <tr><td><u>      </u> Professional Land Surveyors</td><td></td><td><u>  81  </u> <b>TOTAL</b></td></tr> </table>	<u>  7  </u> Administrative	<u>      </u> Estimators	<u>      </u> Specification Writers	<u>      </u> Architects (Licensed)	<u>   1   </u> Geologists	<u>      </u> Structural Engineers	<u>      </u> Chemical Engineers	<u>  13  </u> Geotechnical Engineers	<u>   1   </u> Graduate Engineers	<u>      </u> Civil Engineers	<u>      </u> Interior Designers	<u>      </u> Project Managers	<u>      </u> Construction Inspectors	<u>      </u> Landscape Architects	<u>   7   </u> Clerical	<u>      </u> Ecologists	<u>      </u> Land Surveyor	<u>      </u> Grant/Funding Specialist	<u>      </u> Electrical Engineers	<u>      </u> Mechanical Engineers	<u>      </u> Sanitary Engineers	<u>   4   </u> Engineer Intern	<u>      </u> Environmental Engineers	<u>  48  </u> <b>Other</b>	<u>      </u> Professional Land Surveyors		<u>  81  </u> <b>TOTAL</b>		
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<b>F. Is this submittal is a JOINT-VENTURE? Please check: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/></b>																													
If marked “No,” skip to Section I. If marked “Yes,” complete Sections G-H.																													

**TEC Professional Services Questionnaire**

**G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.**

1.

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):
1. None.		
2.		
3.		

**J. Please specify the total number of support personnel that may assist in the completion of this Project:**

We estimate **16** individuals will be needed to complete the geotechnical services associated with projects under this advertisement. This includes a three-member drill crew as well as laboratory, administrative, and engineering staff. More employees can be added, as necessary, to complete any project.

**TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Benjamin M. Cody, P.E. / Principal Engineer	
<b>Project Assignment:</b>	
Project Manager	
<b>Name of Firm with which Associated:</b>	
<b>Eustis Engineering L.L.C.</b>	
<b>Years' Experience with This Firm:</b>	
20	
<b>Education: Degree(s)/Year/Specialization:</b>	
Master of Science / 1999 / Civil Engineering Bachelor of Science / 1996 / Civil Engineering	
<b>Active Registration: Year First Registered/Discipline:</b>	
Louisiana: 2002/Registered Professional Engineer	Mississippi: 2007/Registered Professional Engineer
Florida: 2001/Registered Professional Engineer	Texas: 2014/Registered Professional Engineer
Alabama: 2001/Registered Professional Engineer	Arkansas: 2014/Registered Professional Engineer
<b>Other Experience and Qualifications Relevant to the Proposed Project:</b>	
<p>From 1993 to 1994, Mr. Cody worked with Eustis Engineering as a soil technician. Since that time, he has completed his education and achieved the level of professional engineer.</p> <p>After leaving Eustis Engineering in 1994, Mr. Cody worked as an engineering technician with the Sewerage and Water Board of New Orleans and as a student laboratory coordinator at Tulane University's Department of Civil Engineering. Mr. Cody also assisted in teaching the introductory soil mechanics laboratory sessions.</p> <p>For more than a year, he worked as a graduate research assistant at Tulane. At that time, he was responsible for the design, construction, and implementation of bench scale testing system in contaminated soil remediation.</p> <p>From 1998 until 2001, Mr. Cody worked for engineering firms in Florida. He performed such duties as soil evaluation and engineering recommendations for projects of varying sizes including multi-story structures, bridges, and roadways. He performed Phase I environmental site assessments as well as geotechnical sensor installation.</p> <p>In 2001, he returned to the New Orleans area and to Eustis Engineering as a Project Engineer and now serves as a project manager and Principal Engineer with the firm. Since his return, Mr. Cody has performed a wide variety of engineering services including geotechnical project management, engineering design, engineering during construction, and dynamic pile testing. Private sector projects have varied from small private and commercial structures to multi-story high-rise structures, storage tanks, and other industrial facilities. Public projects have included roads and bridges, port facilities, government buildings and facilities, schools, and hurricane protection system improvements.</p> <p>Some of Mr. Cody's project experience, shown in this submittal, includes the following.</p> <ul style="list-style-type: none"> <li>• <b>Jefferson Parish, Jung and Falcone Lift Station Upgrades (K-11-3), New Sanitary Lift Station, Marrero, Louisiana, Eustis Engineering Project No. 23819:</b> Engineering analyses included excavation recommendations;</li> </ul>	

## KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

### Name & Title:

Benjamin M. Cody, P.E. / Principal Engineer

dewatering and pressure relief; lateral earth pressures; allowable soil bearing values; allowable pile load capacities; and settlement estimates.

- **City of Kenner, Lift Station No. 4102, Airline Highway and Minden Avenue, Jefferson Parish, Louisiana, Eustis Engineering Project No. 22317:** The focus of this project was a valve pit planned adjacent to the existing lift station. After performing a geotechnical exploration and associated laboratory testing, engineering analyses and recommendations were provided comprising dewatering and pressure relief; lateral movement and settlement of the adjacent ground surface; bottom preparation of the lift station; allowable pile load capacities; estimates of settlement; and differential settlement estimates.
- **City of Kenner, Sewer Capital Improvement Program, Sewage Pumping Station Upgrade, 31st Street and Jasper Street Lift Station, Kenner, Louisiana, Eustis Engineering Project Nos. 21834 and 22559:** Mr. Cody was Project Engineer for this work. A new below-grade submersible lift station was proposed to replace the existing lift station. After drilling a boring and performing laboratory tests on samples obtained from the boring, the client was provided with estimates of settlement, allowable soil bearing values, and allowable load capacities for timber piles. Recommendations for both rigid and flexible pavements, a temporary restraining system, and foundation construction procedures were also provided.
- **Sewerage & Water Board of New Orleans - Wastewater Rehabilitation Program at Multiple Sewer Pump Station Sites, New Orleans, Louisiana, Eustis Engineering Project Nos. 20701 and 22393:** Geotechnical information was obtained for seven sewer pump stations. Borings were drilled and engineering analyses performed for each location. Later, engineering during construction services were provided for six of the original seven locations. These services included temporary retaining structure review, dynamic pile testing, wave equation analyses of piles (WEAP), vibration monitoring, and observation during the cutting of concrete cores. Mr. Cody served as a project engineer with a particular focus on WEAP analyses.
- **Ascension Parish Government - Hillaryville Wastewater Treatment Plant, Pump Station, and Effluent Force Main, Hillaryville, Louisiana, Eustis Engineering Project Nos. 23149 (.01, .02, .03):** Mr. Cody was project manager for these geotechnical explorations. A proposed pump station and effluent force main required design input. Services included a geotechnical exploration, laboratory testing, engineering analyses, foundation recommendations, and pile load capacities. When the wastewater treatment plant was up for replacement, similar tasks were performed, as well as design services including submittal review and participation in design team meetings.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Gwendolyn P. Sanders, P.E. / President
<b>Project Assignment:</b>
Principal Engineer
<b>Name of Firm with which Associated:</b>
<b>Eustis Engineering L.L.C.</b>
<b>Years' Experience with This Firm:</b>
28
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science/1990/Civil Engineering Master of Science/1992/Civil Engineering
<b>Active Registration: Year First Registered/Discipline:</b>
Louisiana: 1997/Civil Engineering Mississippi: 2003/Civil Engineering Texas: 2020/Civil Engineering
<b>Other Experience and Qualifications Relevant to the Proposed Project:</b>
<p>Mrs. Sanders began her professional career with Eustis Engineering in 1993. Over the past 28 years, she has worked her way up through the ranks of the engineering department as an Associate Engineer, Project Engineer, Project Manager, and Engineering Manager. In 2020, Mrs. Sanders became Eustis Engineering's first woman president. As president, she is responsible for day-to-day business operations of the corporation. These include quality, safety, marketing, and long-term strategic growth. She also still actively participates in the engineering design and review processes.</p> <p>Considering her experience with Eustis Engineering, a leading Gulf Coast geotechnical firm, Mrs. Sanders has extensive experience in soft soils and working on projects in coastal Louisiana. She has been directly and indirectly involved in numerous projects throughout the Gulf Coast region, particularly in the Greater New Orleans area. Mrs. Sanders has been involved in and managed every aspect of a geotechnical engineering project, namely developing appropriate scopes of work for projects, planning and coordinating the field investigation, assigning laboratory testing, performing geotechnical engineering analyses, preparing detailed reports with engineering analyses and recommendations, reviewing reports prepared by other professionals, and consulting with clients. A majority of her work experience has dealt with identifying soil properties, developing criteria for design of foundations, and determining an appropriate foundation to support the structure under consideration.</p> <p>In 2017, Mrs. Sanders served as program advisor for the Deep Foundations Institute's 42nd annual conference. That same year, she was named one of the 50 Women of the Year by New Orleans' City Business. Mrs. Sanders is currently serving as an associate member of the American Society of Civil Engineer's Standards Committee for the Design and Construction of Foundations. She has a keen eye for detail and is a stickler for quality. Her work ethic and quality, combined with her communication skills, translate to Mrs. Sanders' ability to deliver successful geotechnical engineering projects to her clients.</p>

## KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

### Name & Title:

Gwendolyn P. Sanders, P.E. / President

Over the years, Mrs. Sanders has been involved with more than 2,800 projects in some capacity, including six contained within this submittal.

- **Cheval Point Subdivision - Lift Station, LA Highway 327, Baton Rouge, Louisiana, Eustis Engineering Project Nos. 22953 and 23692:** Development of geotechnical design recommendations for a retaining structure at the proposed lift station, a dewatering well point system for construction of the lift station, and a permanent hydrostatic pressure relief system.
- **Bellevue Country Estates - Phases IV, V, and VI, Pavements, Lake, and Sewer Lift Station, Paulina, Louisiana, Principal Engineering Project No. 1511, Eustis Engineering Project No. 23451:** Engineering analyses and recommendations included suitability of excavated soil from the proposed lake site for use in other construction areas; the need for an adequate liner along the bottom and side slopes throughout the lake; the need for erosion control after the lake's construction; general site preparation; allowable soil bearing values for the sewer lift station; allowable pile load capacities for treated ASTM D25 quality timber piles for the lift station; stability of the lift station against bearing capacity failure and hydrostatic uplift; etc.
- **Jefferson Parish, Lift Station G8-2, Tolmas Drive and West Esplanade Avenue, Metairie, Louisiana, Eustis Engineering Project No. 22583:** This project required use of at-rest pressures to determine the structural requirements for any buried structures; stability analyses of the structure against hydrostatic uplift; base preparation recommendations for the valve pit foundation; allowable soil bearing values; allowable pile load capacities; settlement estimates; excavation and dewatering recommendations; etc.
- **Town of Henderson - Sewer Improvements, North of Interstate 10, Pump Station, Henderson, Louisiana, Eustis Engineering Project No. L0462:** Engineering analyses included estimates of allowable soil bearing values, geotextile use, lateral earth pressure, uplift pressure of the wet well, settlement, excavations, dewatering, and pressure relief of the temporary retaining structures.
- **Sewerage & Water Board of New Orleans - Wastewater Rehabilitation Program at Multiple Sewer Pump Station Sites, New Orleans, Louisiana, Eustis Engineering Project Nos. 20701 and 22393:** Geotechnical information was obtained for seven sewer pump stations. Borings were drilled and engineering analyses performed for each location. Later, engineering during construction services were provided for six of the original seven locations. These services included temporary retaining structure review, dynamic pile testing, wave equation analyses of piles, vibration monitoring, and observation during the cutting of concrete cores.
- **Sewerage & Water Board of New Orleans - Modifications to East Bank, Wastewater Treatment Plant, Construction of Monoliths 118-120, Orleans Parish, Louisiana, Eustis Engineering Project No. 22627:** Two important pipelines were unable to be relocated for this project. Therefore, an evaluation was performed to analyze the impacts of pile driving on these pipes, with an emphasis on reducing vibrations at the sewer force mains during driving. Available data and pile installation techniques were evaluated to provide estimates of allowable pile load capacities and estimates of minimum distances between pile driving operations and existing sewer force mains.

PROJECT NO. 1		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><b>Jefferson Parish Jung and Falcone Lift Station Upgrades (K-11-3) New Sanitary Sewer Lift Station Marrero, Louisiana Eustis Engineering Project No. 23819</b></p> <p style="text-align: center;">Jefferson Parish Through Principal Engineering, Inc. Suite 19 1011 North Causeway Boulevard Mandeville, Louisiana 70471 Jeneva Hinojosa, E.I. @ 985-624-5001</p>	<p>The new lift station was to consist of a fiberglass wet well and fiberglass valve pit. The wet well was to be approximately 6 feet in diameter and 18 feet in depth. The valve pit was to be approximately 6 feet in diameter and 8 feet in depth. Site improvements were to include a gravity sewer line installed approximately 12 feet below grade and a force main approximately 4 feet below grade.</p> <p>Our field investigation included the drilling of one soil boring to a depth of 80 feet below the existing ground surface drilled with truck mounted equipment. Once in the laboratory, samples collected in the field were subjected to soil mechanics laboratory tests including visual classification, natural water content, unit weight, unconfined compression shear, and one-point unconsolidated undrained triaxial compression shear.</p> <p>Using these data, our staff performed engineering analyses and developed recommendations for the project. Engineering analyses included:</p> <ul style="list-style-type: none"> <li>• site preparation encompassing temporary and permanent drainage and excavation recommendations;</li> <li>• dewatering and pressure relief, lateral movement, and excavation base preparation associated with the sanitary gravity sewer line, wet well, and valve box;</li> <li>• lateral earth pressures;</li> <li>• base preparation, pipe bedding, and backfill for the force main and sanitary sewer line;</li> <li>• allowable soil bearing value recommendations for the wet well and valve box;</li> <li>• allowable pile load capacities, in compression and tension, for treated ASTM D25 quality timber; and</li> <li>• settlement estimates for both ground supported and pile supported project features.</li> </ul>	
<b>Completion Date (Actual or Estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for Which Firm Was Responsible:</b>
June 2018 (Actual)	Unknown	\$4,900

**PROJECT NO. 2**

**Project Name, Location, and  
Owner's Contact Information:**

**Nature of Firm's Responsibility:**

**Cheval Point Subdivision  
Lift Station  
LA Highway 327  
Baton Rouge, Louisiana  
Eustis Engineering Project Nos.  
22953 and 23692**

Cheval Point Development, LLC  
Suite 3B  
9191 Siegen Lane  
Baton Rouge, Louisiana 70810  
Wesley Daniel @ 225-279-5410

Cheval Point Subdivision was a 57-acre site on LA Highway 327 approximately 175 feet landward of the left descending bank of the Mississippi River levee. Because of the site's location, several government agencies were included in the permitting process.

Eustis Engineering was requested by the owner to perform a technical review of the latest permit plans. Eustis Engineering was also asked to provide geotechnical design recommendations for a retaining structure at the proposed lift station, a dewatering well point system for construction of the lift station, and a permanent hydrostatic pressure relief system.

Our scope of services included cone penetration tests (CPTs) at the proposed location of a new sanitary sewer lift station to evaluate the subsoil conditions at the site. Two static CPTs were made by Eustis Engineering, one to 21 feet and one to 76 feet below the existing ground surface. During the CPTs, pore pressure dissipation tests were conducted at various depths by halting the penetration and measuring the decay of pore water pressure with time. Measurements of pore pressure decay were taken for a minimum of 1,000 seconds at each test depth. The rate of excess pore pressure dissipation was measured and plotted versus time to estimate the horizontal coefficient of consolidation.

Based on our interpretation of the CPT results as well as soil borings and CPT results from past projects performed by our firm and the U.S. Army Corps of Engineers for this project, we developed recommendations for construction of a retaining structure, recommendations for a permanent pressure relief system, and estimates for a temporary pressure relief system.

Following our technical review of the general civil engineer's recent permit plans, Eustis Engineering's recommendations and estimates were to be incorporated into the engineer's project plans for a formal resubmission to the Pontchartrain Levee District.

Eustis Engineering presented a conceptual plan for construction of the proposed lift station. This plan was based on lift station construction using a sheetpile retaining structure and providing hydrostatic pressure relief both during construction and for the design life of the completed lift station. Our conceptual plan was based on providing one of two methods of hydrostatic pressure relief by using either (1) a conventional active system of pressure relief wells or (2) a soil improvement solution by jet grouting. These conceptual solutions were based on design criteria to resist hydrostatic heave and seepage during and after construction.

<b>PROJECT NO. 2</b>		
<b>Project Name, Location, and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
	<p>As part of the project, Eustis Engineering also installed two temporary "Casagrande" type, open standpipe piezometers, one within and one outside the retaining structure. The purpose of the piezometers was to monitor excess hydrostatic pressure of the transition and aquifer strata at the retaining structure.</p> <p>Eustis Engineering remained on site during construction providing construction oversight associated with the lift station.</p>	
<b>Completion Date (Actual or Estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for Which Firm Was Responsible:</b>
April 2018 (Actual)	Unknown	\$63,400

**PROJECT NO. 3**

<b>Project Name, Location, and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p align="center"> <b>Bellevue Country Estates                      Phases IV, V, and VI                      Pavements, Lake, and Sewer Lift Station                      Paulina, Louisiana                      Principal Engineering Project No. 1511                      Eustis Engineering Project No. 23451</b> </p> <p align="center">                     Landcraft Homes, L.L.C.                      Post Office Box 2470                      LaPlace, Louisiana 70069                      Joseph M. Scontrino III @ 985-651-3007                 </p>	<p>Bellevue Country Estates in Paulina, Louisiana, was built in phases in a relatively level sugarcane field that included drainage ditches and an access road. Phases IV, V, and VI of the 81-lot development included the construction of nearly 4,000 feet of roadway pavements, a 7-ft deep lake, and a 16-ft deep sewer lift station. The lift station was to consist of a 6-ft diameter wet well with an invert located approximately 15 feet below the ground surface and the bottom slab at 16 feet. The lift station would be constructed using 6-ft diameter reinforced concrete pipe (weighing approximately 1,850 lb/lf).</p> <p>When our personnel arrived on site, they discovered standing water and soft ground conditions. After performing seven auger borings, we received authorization from the owner to use a track mounted rig instead of the planned truck mounted rig. We drilled three undisturbed soil test borings and the eighth auger boring. One soil boring was drilled to a depth of 60 feet near the location of the proposed sewer lift station, and the other two borings were drilled to depths of 15 feet each near the proposed lake. Auger borings were drilled to depths of 8 feet along the proposed roadway alignment.</p> <p>Soil mechanics laboratory tests were performed on samples collected in the field. In conjunction with the soil borings and laboratory test results, engineering analyses were made to determine recommendations regarding the suitability of excavated soil from the proposed lake site for use in other construction areas; the need for an adequate liner along the bottom and side slopes of the lake; the need for erosion control after the lake's construction; general site preparation including drainage during and after construction; subgrade preparation and stabilization for proposed roadways; select backfill and structural fill and its compaction; pavement recommendations for flexible and rigid pavements; allowable soil bearing values for the sewer lift station; allowable pile load capacities, in compression and tension, for various sizes and embedments of treated ASTM D25 quality timber piles for the lift station; stability of the lift station against a bearing capacity failure and hydrostatic uplift; estimates of settlement and differential settlement due to fill placement and between pile/grade supported features; and the use of temporary retaining structures as well as dewatering and pressure relief during construction of the sewer lift station.</p>	
<p align="center"><b>Completion Date (Actual or Estimated)</b></p>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for Which Firm Was Responsible:</b>
<p align="center">March 2017 (Actual)</p>	Unknown	\$9,000

**PROJECT NO. 4**

<b>PROJECT NO. 4</b>		
<b>Project Name, Location, and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p align="center"> <b>Jefferson Parish</b>  <b>Lift Station G8-2</b>  <b>Tolmas Drive and</b>  <b>West Esplanade Avenue</b>  <b>Metairie, Louisiana</b>  <b>Eustis Engineering Project No. 22583</b> </p> <p align="center">           Barowka &amp; Bonura            Engineers &amp; Consultants, LLC            209 Canal Street            Metairie, Louisiana 70005            Jeffrey Bonura @ 504-828-0030         </p>	<p>Jefferson Parish planned to improve Lift Station G8-2 by installing a 12' x 12' valve pit 10 feet below the existing ground surface. To determine subsoil conditions and stratifications at the site, Eustis Engineering drilled one undisturbed soil boring to a depth of 80 feet below the existing ground surface using a truck mounted rotary type drill rig. Cohesive or semi-cohesive subsoils were sampled at close intervals or changes in stratum using a 3-in. thinwall Shelby tube sampling barrel. Once the samples were extracted from the bore hole, pocket penetrometer tests were performed on the trimmed ends of the extruded samples to provide a general indication of the soil's shear strength or consistency.</p> <p>Our laboratory technicians performed soil mechanics laboratory tests consisting of natural water content, unit weight, and unconfined compression shear on undisturbed samples obtained from the boring.</p> <p>Based on the soil boring and soil mechanics laboratory tests, Eustis Engineering developed recommendations for site preparation, excavation and dewatering, lateral earthen pressures, bedding and backfill, estimated allowable soil bearing values for mat foundations, estimates of allowable pile load capacities, estimates of settlement, and general foundation construction procedures.</p> <p>More specifically, engineering analyses included:</p> <ul style="list-style-type: none"> <li>• use of at-rest pressures to determine the structural requirements for any buried structures;</li> <li>• recommendations regarding stability of the structure against hydrostatic uplift;</li> <li>• base preparation recommendations for the valve pit foundation including the use of geotextiles, bedding requirements, and structural fill requirements;</li> <li>• allowable soil bearing values for the valve pit's mat foundation;</li> <li>• allowable load capacities, in compression and tension, for various sizes of treated ASTM D25 quality timber piles to support the proposed valve pit;</li> <li>• estimates of settlement and differential settlement for both mat and timber pile foundations;</li> <li>• excavation and dewatering recommendations associated with construction; and</li> <li>• effects of areal subsidence on the project.</li> </ul>	
	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for Which Firm Was Responsible:</b>
August 2014 (Actual)	Unknown	\$4,100

**PROJECT NO. 5**

<b>Project Name, Location, and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p align="center"> <b>City of Kenner</b>  <b>Lift Station No. 4102</b>  <b>Airline Highway and Minden Avenue</b>  <b>Jefferson Parish, Louisiana</b>  <b>Eustis Engineering Project No. 22317</b> </p> <p align="center">                     Hartman Engineering, Inc.                      Suite 300                      527 West Esplanade Avenue                      Kenner, Louisiana 70065                      Priyo Majumdar @ 504-466-5667                 </p>	<p>The City of Kenner planned to renovate the existing Sewer Lift Station No. 4102. The renovation involved adding a buried valve pit adjacent to the existing lift station. The valve pit was to be 8 to 10 feet in diameter and placed 6 feet below the existing ground surface. A small cofferdam was considered for construction. Eustis Engineering was retained to perform professional geotechnical services consisting of field, laboratory, and engineering services.</p> <p>In the field, Eustis Engineering drilled one undisturbed soil boring to a depth of 60 feet to determine subsoil conditions and stratification at the project site. The drill crew also made one auger boring to a depth of 12 feet below the existing grade to measure ground water conditions at the time of the exploration. For the undisturbed boring only, team members obtained samples of cohesive or semi-cohesive subsoils at close intervals or changes in stratum using a 3-in. diameter thinwall Shelby tube sampling barrel. The samples were extruded, inspected, and visually classified in the field. Our soil technician performed pocket penetrometer tests on the samples to give a general indication of the soil's shear strength and consistency. Samples were placed in moisture proof containers to preserve their natural water content prior to laboratory testing.</p> <p>Our laboratory technicians performed soil mechanics laboratory tests on these samples to evaluate the physical properties of the various substrata.</p> <p>Engineering analyses, based on the undisturbed soil boring and soil mechanics laboratory test results, were used to develop recommendations regarding:</p> <ul style="list-style-type: none"> <li>• site preparation including drainage, trenching and excavations, dewatering and pressure relief, and lateral movement and settlement of the adjacent ground surface;</li> <li>• bottom preparation including bedding, the use of geotextile fabric, and the effects of uplift pressure during/after construction;</li> <li>• estimated gross and net allowable soil bearing values for the valve pit's mat foundation;</li> <li>• allowable pile load capacities, in compression and tension, for treated timber piles;</li> <li>• estimates of settlement; and</li> <li>• general construction recommendations.</li> </ul>	
<p align="center"><b>Completion Date</b> <b>(Actual or Estimated)</b></p>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for Which Firm Was Responsible:</b>
<p align="center">October 2013 (Actual)</p>	<p align="center">Unknown</p>	<p align="center">\$3,200</p>

**PROJECT NO. 6**

**Project Name, Location, and  
Owner's Contact Information:**

**Nature of Firm's Responsibility:**

**City of Kenner  
Sewer Capital Improvement Program  
Sewage Pumping Station Upgrade  
31st Street and Jasper Street Lift Station  
Jefferson Parish, Louisiana  
Eustis Engineering Project Nos.  
21834 and 22559**

City of Kenner  
Department of Public Works Through  
Design Engineering, Inc.  
Suite 205  
3330 West Esplanade Avenue  
Metairie, Louisiana 70002  
John Holtgreve @ 504-836-2155

Construction was to consist of a new wet well 20 to 25 feet below the existing ground surface, a valve pit 6 to 8 feet below the existing ground surface, and an electrical panel located at the ground surface. The wet well and valve pit would each have a 12' x 12' pad. The electrical panel would have a 2' x 5' pad. Both shallow foundation systems and treated timber piles were being considered for support of the project features.

One undisturbed soil test boring was made at the site. The boring was drilled to a depth of 80 feet below the existing ground surface. Upon completion of the drilling operations, the boring was backfilled in accordance with current regulatory requirements and the pavement patched. GPS coordinates of the boring were obtained using a handheld device.

Soil mechanics laboratory tests, performed on samples obtained from the boring, were used to evaluate the physical properties of the various substrata.

Engineering analyses, based on the soil boring and laboratory test results, were made to determine recommendations regarding site preparation and drainage, pipe bedding, estimates of allowable soil bearing values, estimates of allowable load capacities for timber piles, estimates of settlement, a temporary restraining system, and foundation construction procedures as well as recommendations for rigid and flexible pavements.

Eustis Engineering also provided construction materials testing services for this project. Those services included:

- soil mechanics laboratory tests including moisture content, Atterberg limits, mechanical analysis, and standard Proctor;
- inplace density tests on sand, limestone, and crushed concrete for use as structural backfill, bedding, and base course;
- visual and physical inspection of more than 1,620 feet of timber piles;
- pile logging during installation;
- performance of vibration and acoustical monitoring during pile installation;
- review of asphalt and concrete mix designs intended for use on the project;
- visual and physical inspection of concrete placed for the lift station slab, seal slab, foundation slab, skid foundation, tank bottom, manhole, electrical pad, sidewalk, and roadway;

<b>PROJECT NO. 6</b>		
<b>Project Name, Location, and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
	<ul style="list-style-type: none"> <li>• compressive strength tests on concrete cylinders made during the above inspection; and</li> <li>• the coring and inspection of asphalt.</li> </ul>	
<b>Completion Date (Actual or Estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for Which Firm Was Responsible:</b>
April 2015 (Actual)	Unknown	\$19,300

**PROJECT NO. 7**

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p align="center"> <b>Town of Henderson Sewer Improvements North of Interstate 10 Pump Station Henderson, Louisiana Eustis Engineering Project No. L0462</b> </p> <p>           Town of Henderson, Louisiana            Post Office Box 595            Henderson, Louisiana 70517            Sherbin Collette @ 337-228-7109         </p>	<p>Sewer improvements were planned for the Town of Henderson, Louisiana. A new pump station, comprising a wet well and valve pit, would be constructed on North Barn Road.</p> <p>Plans called for the wet well to be supported by an 18-in. thick concrete mat underlain by 12 inches of limestone bedding. It would be constructed of precast, reinforced concrete pipe sections having outside diameter dimensions of 72 inches with a square mat foundation having plan dimensions of 9.3' x 9.3'. The excavation for the wet well would be made to a depth of 21.5 feet below the existing ground surface.</p> <p>The adjacent valve pit would be constructed of precast, reinforced concrete pipe sections having outside diameter dimensions of 60 inches. Drawings indicated the valve pit would be supported by a 12-in. thick concrete mat underlain by 12 inches of limestone bedding. The valve pit would require excavation to an approximate depth of 6 feet below the existing ground surface. Plans also indicated the valve pit mat foundation would have plan dimensions of 7' x 7'.</p> <p>One soil boring was made to a depth of 60 feet using a truck mounted rotary type drill rig for the purpose of evaluating subsoil conditions and stratification, and to obtain samples of the various substrata. Soil mechanics laboratory tests consisted of natural water content, unit weight, unconfined compression shear, and unconsolidated undrained triaxial compression shear. In addition, Atterberg liquid and plastic limits tests were performed on selected soil samples.</p> <p>Engineering analyses, based on the soil boring and laboratory tests, were made to determine recommendations regarding site preparation; estimates of allowable soil bearing values; geotextile use, lateral earth pressure, and uplift pressure of the wet well; settlement, excavations, dewatering, and pressure relief of the temporary retaining structures (for cost estimating purposes only); and construction monitoring.</p>	
<p align="center"><b>Completion Date (Actual or Estimated)</b></p>	<p align="center"><b>Estimated Cost:</b></p>	
<p align="center">August 2016 (Actual)</p>	<p align="center"><b>Entire Project:</b></p> <p align="center">Unknown</p>	<p align="center"><b>Work for Which Firm Was Responsible:</b></p> <p align="center">\$7,200</p>

**PROJECT NO. 8**

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p align="center"> <b>Sewerage &amp; Water Board of New Orleans                      Wastewater Rehabilitation Program at                      Multiple Sewer Pump Station Sites                      New Orleans, Louisiana                      Eustis Engineering Project Nos.                      20701 and 22393</b> </p> <p align="center">                     Sewerage &amp; Water Board                      of New Orleans Through                      Design Engineering, Inc.                      Suite 205                      3330 West Esplanade Avenue                      Metairie, Louisiana 70002                      John Holtgreve @ 504-836-2155                 </p>	<p>This project required geotechnical information for seven sewer pump stations with plan dimensions of approximately 18' x 22'. The structures would be located approximately 7 feet below existing grade and would be supported on driven pile foundations. Piling under consideration included treated timber and square, prestressed, precast concrete piles.</p> <p>An elevated 8' X 15' electrical platform would be supported at grade on a 10' x 15' foundation slab. The total weight of the platform with roof and live loads was 68 kips. Roof uplift would create a net tension load of 17 kips on the platform. The distributed uniform loading on the 10' x 15' foundation slab was estimated to be 453 psf (not including the weight of the foundation slab).</p> <p>The existing pump stations were pile supported. At five of the seven pump station sites, specific information was provided by Design Engineering, Inc., for influent and discharge pipe depths, and for new and existing foundation depths below existing grade. We estimated pipe and foundation depths at the remaining two pump stations. New pipe diameters were estimated to range from 12 to 18 inches.</p> <p>Seven undisturbed soil test borings were drilled for the project. Six borings were made to depths of 100 feet, and one terminated at a depth of 85 feet below the existing ground surface. The undisturbed borings were made with a truck mounted Failing 3600 wet rotary type drill rig. Upon completion of the drilling operations, the borings were backfilled with cement-bentonite grout in accordance with current regulatory requirements. Soil mechanics laboratory tests, performed on samples obtained from the borings, were used to evaluate the physical properties of the subsoils.</p> <p>Engineering analyses, based on the soil borings and laboratory tests, were performed to develop recommendations regarding site preparation, placement and compaction of fill, allowable soil bearing values, allowable pile load capacities, and estimated settlement. Construction recommendations were also provided for excavations and dewatering.</p> <p>Eustis Engineering provided professional geotechnical engineering services during construction for six of the pump stations previously analyzed for the design phase of the project. Our services included a review of temporary retaining structures (sheetpile walls), dynamic pile testing, wave equation analyses of pile driving methods, vibration monitoring, and observation services during the cutting of concrete cores.</p>	
<p align="center"><b>Completion Date (Actual or Estimated)</b></p>	<p align="center"><b>Estimated Cost:</b></p>	
<p align="center">November 2015 (Actual)</p>	<p align="center"><b>Entire Project:</b></p>	<p align="center"><b>Work for Which Firm Was Responsible:</b></p>
	<p align="center">Unknown</p>	<p align="center">\$62,800</p>

**PROJECT NO. 9**

<b>Project Name, Location, and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>
<p><b>Ascension Parish Government Hillaryville Wastewater Treatment Plant Pump Station, and Effluent Force Main Hillaryville, Louisiana Eustis Engineering Project Nos. 23149 (.01, .02, .03)</b></p> <p>Ascension Parish Government Through MSMM Engineering, LLC Suite 220 4640 South Carrollton Avenue New Orleans, Louisiana 70119 Mardia Manish @ 504-570-6098</p>	<p>Improvements, specifically an 8-ft diameter wet well and valve pit, were proposed to the existing pump station at the Hillaryville Wastewater Treatment Plant in Hillaryville, Louisiana. The top of the slab for the proposed wet well would be installed to approximate el -3.5 and the top of the slab for the valve pit would be installed to approximate el 5. The net bearing intensity of the wet well would be 250 psf; the bearing intensity of the valve pit would be less than the soil excavated for the pit.</p> <p>One 5-in. diameter undisturbed soil boring was made at the pump station location within the existing Hillaryville Wastewater Treatment Plant. One 3-in. diameter undisturbed soil boring was made near the intersection of Marchand School Road and River Road (LA Highway 942). Both were drilled with truck mounted wet rotary equipment to depths of 75 feet and 80 feet, respectively, below the existing ground surface. Upon completion of drilling, the holes were grouted in accordance with current regulatory requirements. Additional data were obtained from the U.S. Army Corps of Engineers, New Orleans District, using the Freedom of Information Act request. This information contained pertinent USACE slope stability plates and levee cross-sections for the left descending bank near Mississippi River Mile 171.4 AHP. Soil mechanics laboratory tests, primarily consisting of natural water content, unit weight, and unconfined compression shear, or unconsolidated undrained triaxial compression shear, were used to evaluate the physical properties of the various substrata.</p> <p>Based on the available soil boring and laboratory test data, engineering analyses and foundation recommendations included estimated allowable soil bearing values to sustain the structural loads of the mat-supported wet well and valve pit; sheetpile and bracing recommendations to maintain stability of the excavations; dewatering and pressure relief; lateral movement and settlement of the adjacent ground surface; analysis of temporary retaining structures; lateral earth pressures; recommended bedding and structural fill associated with the construction of the wet well and valve pit foundations; estimates of settlement and differential settlement associated with the project; allowable soil bearing values for the proposed pipe rack footings and access bridge abutment; and global and local stability analyses associated with these same structures.</p> <p>After completing the initial investigation, Eustis Engineering was requested to evaluate preliminary allowable single pile load capacities to aid in project construction budget estimates. Using available data, our engineers completed preliminary estimates of single pile load capacities, in compression and tension, for treated ASTM D25 quality timber piles.</p> <p>Shortly thereafter, Eustis Engineering was asked to provide additional geotechnical services, this time for the replacement of the wastewater treatment plant. The project was to consist of buildings proposed on</p>

<b>PROJECT NO. 9</b>		
<b>Project Name, Location, and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
	<p>grade; reinforced and partially buried concrete tanks; a pump station with an approximate 20-ft depth; asphalt roadways within the site; and buried piping. New features would include an influent pump station and effluent pump station, an effluent force main, headworks, aeration basins, a sludge area controller, a chlorine disinfection unit, an aerobic digester, a filter press building, administrative building, and a maintenance building.</p> <p>The field exploration included three undisturbed borings between 80 and 100 feet below the existing ground surface; ten auger borings to depths of 8 feet; and 11 cone penetration tests to 80 feet. The field investigation was followed by the performance of soil mechanics laboratory tests to classify the subsoils and determine their relative compressibility.</p> <p>Engineering analyses and recommendations for this portion of the project included:</p> <ul style="list-style-type: none"> <li>• ground water management;</li> <li>• site preparation including subgrade preparation, recommended structural fill and its compaction, and estimated fill settlement;</li> <li>• excavation and dewatering recommendations as well as recommendations with regard to lateral movement and settlement of the adjacent ground surface;</li> <li>• earth and water pressures (at-rest, active, passive, uplift);</li> <li>• site preparation associated with below grade structures including base preparation, material separation, and bedding recommendations;</li> <li>• pipeline recommendations including material separation, recommended bedding/backfill materials and their compaction, and settlement estimates;</li> <li>• shallow foundation recommendations including allowable soil bearing values for footings and settlement estimates;</li> <li>• mat foundation recommendations including allowable soil bearing values, net applied pressure intensity, and settlement estimates;</li> <li>• allowable pile load capacities for treated timber, timber composite, and precast concrete piles;</li> <li>• pile settlement estimates due to structural loads and fill placement;</li> <li>• pile installation recommendations; and</li> <li>• recommendations for flexible and rigid pavements.</li> </ul> <p>Finally, Eustis Engineering participated in design team meetings and performed requested submittal reviews.</p>	
	<b>Estimated Cost:</b>	
<b>Completion Date (Actual or Estimated)</b>	<b>Entire Project:</b>	<b>Work for Which Firm Was Responsible:</b>
August 2020 (Actual)	Unknown	\$45,200

**PROJECT NO. 10**

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p align="center"> <b>Sewerage &amp; Water Board of New Orleans</b>  <b>Modifications to East Bank Wastewater Treatment Plant</b>  <b>Construction of Monoliths 118-120</b>  <b>Orleans Parish, Louisiana</b>  <b>Eustis Engineering Project No. 22627</b> </p> <p align="center">                     Sewerage &amp; Water Board                      of New Orleans Through                      Integrated Management Services                      126 East Amite Street                      Jackson, Mississippi 39201                      Tommy Avant @ 901-968-9194                 </p>	<p>Eustis Engineering was contracted to provide geotechnical engineering analyses for the construction of three monoliths at the East Bank Wastewater Treatment Plant in New Orleans. The construction of these monoliths had been postponed due to their close proximity to two pipelines. Initial plans had called for the relocation of these pipelines. However, due to the condition of the lines, relocation proved to be unfeasible. Leaks in these lines had been repaired by the installation of a pipe liner within each pipe.</p> <p>The proximity of construction activities and the condition and importance of these pipelines meant alternative methods of installing piles had to be explored to reduce vibrations at the sewer force mains during pile driving operations. The options being evaluated for this project included:</p> <ul style="list-style-type: none"> <li>• using steel H-piles in lieu of concrete piles,</li> <li>• installing piles vertically rather than on a batter,</li> <li>• installing piles with the aid of predrilling, and</li> <li>• determining how far the piles would need to be spaced from the existing sewer force main to reduce vibrations.</li> </ul> <p>Recommendations were based on review of available data from previous exploration and construction, estimates of allowable pile load capacities for steel H-piles, evaluation of pile installation techniques (such as predrilling), and estimates of minimum distances between pile driving operations and existing sewer force mains.</p>	
<p align="center"><b>Completion Date (Actual or Estimated)</b></p> <p align="center">August 2014 (Actual)</p>	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
	<p align="center">Unknown</p>	<p align="center">\$6,000</p>

**TEC Professional Services Questionnaire**

<b>M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.</b>		
<b>Parties:</b>		<b>Status/Result of Case:</b>
<b>Plaintiff:</b>	<b>Defendant:</b>	
1. None at this time.		
2.		
3.		
4.		

## TEC Professional Services Questionnaire

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

When Eustis Engineering opened its first office in Vicksburg, Mississippi, in 1946, it housed its entire operation in less than 500 square feet of space. *Seventy-five years later*, our personnel and equipment occupy 40,000+ square feet of space in five locations.

*Eustis Engineering is the third oldest, continually operating geotechnical firm in the United States.* From a two-man office to approximately 100 individuals, the firm has grown to house accounting, administrative, quality control, safety, drilling, engineering, laboratory, and construction materials testing departments. These departments work together to provide our clients with the quality work desired in a cost efficient and timely manner.

*Eustis Engineering is headquartered in Metairie, Louisiana, less than five miles from the project location at the intersection of Transcontinental Drive and Belle Drive.* We also operate branch offices in Lafayette and Baton Rouge, Louisiana; in Gulfport, Mississippi; and in Houston, Texas. Our offices and staff collaborate seamlessly using Microsoft Teams and other virtual platforms.

Eustis Engineering's services encompass many disciplines including the performance of:

- exploration (drilling of soil borings and cone penetration testing),
- soil mechanics laboratory tests,
- field instrumentation and monitoring,
- dynamic pile testing and non-destructive testing of piles/shafts,
- geotechnical engineering design, and
- construction quality control and materials testing services.

Eustis Engineering has worked on more than 25,000 projects since its inception. Over 4,000 of these projects were located in Jefferson Parish, and more than 1,000 have involved sewer systems in some capacity. This work history gives our engineering staff unparalleled familiarity with the foundation conditions in the Greater New Orleans area. Our engineers have provided geotechnical services at various levels in 22 states and one dozen foreign countries throughout the years.

### **ENGINEERING**

Eustis Engineering has engineering capabilities to fulfill the requirements of nearly any project. We have developed pile capacity and bearing capacity analyses for projects throughout the coastal areas of the United States. We consider net and gross allowable bearing pressures in the design of below grade features. Eustis Engineering's evaluation of piles includes estimates of vertical capacity for groups. We also perform lateral analyses of individual piles and pile groups using LPILE and GROUP.

We perform settlement studies including estimates of settlement and time-rate of settlement, including the effects of drawdown on adjacent features. We evaluate appropriate backfills and bedding, and provide recommendations for their placement and compaction.

Our capabilities extend to performance of deep-seated global stability analyses for structures using Spencer's Method as coded in SLOPE/W and the LMVD Method of Planes as coded in UPLIFT. These programs are also used for the design and verification of levees, reinforced embankments, revetments, channel slopes, and open excavations. Our staff

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

evaluates local and global stability of temporary and permanent retaining structures. We provide recommendations for dewatering and pressure relief during construction and operation of below grade structures.

In our practice, Eustis Engineering has developed methodologies associated with the estimates of negative skin friction on pile foundations. The methods are the current state of practice. The extension of these methods is an evaluation of settlement induced bending moment (SIBM). Eustis Engineering is also utilizing a numerical model program SIGMA/W in association with the rigorous settlement program Settle3.

Finally, Eustis Engineering has performed seepage analyses for evaluation of heave, uplift, and piping. We use EM 1110-2-1913, EM 1110-2-1901, and DNR 1110-1-400 for manual calculations that consider blanket theory for earthen embankments and levees. We also use SEEP/W for a computer model and typically compare the results of manual calculations to the SEEP/W model as a quality assurance procedure.

**Staffing**

Our engineering staff has 15 Master's degrees in Civil Engineering, Engineering, Engineering Management, and Business Administration. Participation in post Bachelor of Science curricula, as well as continuing education and professional registration that emphasizes engineering management and technical issues, are very important to Eustis Engineering. Our engineers also regularly present in technical conferences. We encourage and fund our staff for these activities and programs.

Employee	Education	Experience	
		Years with Eustis Engineering	Total Years
<b>Professional Engineers (P.E.)</b>			
Benjamin M. Cody	M.S. / Civil Engineering	20	24
Brian A. Deschamp	B.S. / Civil & Environmental Engineering	9	9
	B.A. / Business Administration		
James J. Hance	M.S. / Civil Engineering	18	22
	M.B.A. / Business Administration		
Chad L. Held	M.S. / Civil Engineering	30	30
David J. Indest	M.S. / Civil Engineering	20	20
Matthew K. Morales	B.S. / Civil Engineering	12	12
Travis R. Richards	M.S. / Engineering	15	22
	M.S. / Engineering Management		
	Coastal Engineering Certificate		
Gwendolyn P. Sanders	M.S. / Engineering	28	28
Shaun R. Simon	M.S. / Civil Engineering	21	21
Patrick A. Thurmond	M.S. Engineering Management	6	6
	M.S. / Civil Engineering		
	Coastal Engineering Certificate		
Sean G. Walsh	M.S. / Civil Engineering	9	14
Benjamin G. Weinberg <sup>(1)</sup>	B.S. / Civil & Environmental Engineering	1	8
	M.B.A. / Business Administration		

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

Employee	Education	Experience	
		Years with Eustis Engineering	Total Years
Henry C. Worley	B.S. / Civil Engineering	3	5
	Coastal Engineering Certificate		
<b>Engineering Interns (E.I.)</b>			
Patrick T. Duckworth	M.S. / Civil Engineering	1	1
Lars A. Erickson	B.S. / Civil & Environmental Engineering	5	5
	Coastal Engineering Certificate		
Tomas K. Morales <sup>(3)</sup>	B.S. / Civil Engineering	8	8
Joel R. Smith	B.S. / Civil Engineering	1	5
James M. Williams <sup>(2)</sup>	M.S. / Civil Engineering	3	3
<b>Engineering Graduates</b>			
Lesley L. Reitmeyer	B.S. / Civil Engineering	12	12
Sean T. Smith <sup>(3)</sup>	B.S. / Civil Engineering	5	5
<b>Geologists</b>			
Matthew J. Blasini	B.S. / Geology	1	2
<b>Total Years of Experience</b>		<b>228</b>	<b>262</b>

- (1) P.E. outside Louisiana.
- (2) Passed P.E. Exam, licensure pending one more year of experience.
- (3) Long Term Subcontractor

**Cone Penetration Testing Capabilities**

Eustis Engineering owns two dedicated track mounted CPT rigs and operates four other multi-purpose rigs that can perform CPTs. Operators are either specifically trained engineering technicians or engineers who perform the field operations utilizing the CPT equipment. Engineers with specialized knowledge and experience operating the rigs evaluate the sounds and produce the CPT logs. Five of our CPT rigs can be placed on a cargo buggy, shallow draft barge, or airboat to access coastal marsh or open water.

**Dynamic Pile Testing Capabilities**

Eustis Engineering was the first private consulting firm to own and operate dynamic pile testing equipment in the States of Louisiana and Mississippi. The pile types tested include timber piles; small size pipe piles; square, precast concrete piles and large (60 to 72-in. diameter) spun-cast, prestressed, concrete piles; open and closed end steel pipe piles, and steel H-piles.

We recently upgraded our data collectors and now operate four Pile Driving Analyzers® (PDAs) - two PAX units and two PDA-8G units. These units can be battery operated and use wireless gauge transmitters to eliminate the need for a main cable to connect directly to the units. We also stock and have used underwater gauges to monitor pile driving in marine environments when the pile head descends below the water surface.

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

To support our four PDA units, Eustis Engineering maintains an extensive inventory of calibrated gauges and accessories. To provide quality assurance and rapid response to issues in the field, all PDAs have wireless communication, enabling our engineers direct oversight of the dynamic pile testing process in real time.

We also use this PDA equipment to maintain the calibrations of our automatic SPT hammers on our drill rigs.

**Other Non-Destructive Testing Capabilities**

Our engineering staff at Eustis Engineering also performs other non-destructive testing services to verify the structural integrity of drilled shafts, augercast piles, and precast concrete piles. Some of these processes include crosshole/single-hole sonic logging (CSL or SSL), low strain pile integrity testing (PIT), and thermal integrity profiling (TIP). We also perform parallel seismic testing to evaluate existing foundation depths.

**INSTRUMENTATION**

Eustis Engineering has installed geotechnical instrumentation for decades. Our instrumentation programs have resulted in substantial cost savings to our clients by reducing preload durations, providing refinement of geotechnical design parameters through full scale testing, and verifying the performance of cutting edge designs. Our services go beyond the construction phase, as long term monitoring programs enable owners to maximize utilization of their facilities throughout the design life by verifying soil behavior is within acceptable limits.

Eustis Engineering provides the following instrumentation services.

- Vibrating wire devices including piezometers, extensometers, settlement gauges, and strain gauges
- Data loggers to enable periodic collection of data for vibrating wire devices
- Data links for remote web access to loggers in near real time
- Settlement plates
- Conventional slope inclinometers or MEM sensor array inclinometers
- Monitoring services of all instrumentation devices with geotechnical interpretation

Instrumentation is a natural complement to our design services, providing data to verify or modify recommendations based on the observational method. Ongoing monitoring enables us to provide continuing services from project inception to the end of a project's design life.

**DRILLING**

Eustis Engineering possesses licenses and credentials to perform geotechnical drilling in Louisiana and Mississippi (no license is needed in Texas). With our licenses and credentials, Eustis Engineering drills soil borings and performs sampling operations for our clients' projects in all types of environments including land, marsh, swamp, and marine. Our personnel have the capability and experience to provide these services from trucks, barges, pontoons, and swamp or marsh buggies.

**Personnel**

We can provide up to eight drillers and drill rigs capable of obtaining standard 3-in. diameter Shelby tube samples and 5-in. diameter fixed piston samples on land, and in water and marsh environments as indicated in the following table.

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

Capabilities of Eustis Engineering's Drill Staff	Scott Bombard	Jordon Brightwell	James Cordes	Rene Davidson	Eric Held	Julius Ivery	James Lubben	George Reitmeyer	Lawrence Rome
Hand Auger Borings	X	X	X	X	X	X	X		X
General Type (3-in. Diameter Borings)	X	X	X	X	X	X	X		X
General Type (3-in. Diameter Borings) in Hard Access Locations (Marsh, Swamp, Heavily Forested)	X	X	X	X	X	X	X		X
Undisturbed Type (5-in. Diameter Borings)	X	X	X	X	X	X	X		X
Undisturbed Type (5-in. Diameter Borings) in Hard Access Locations (Marsh, Swamp, Heavily Forested)		X	X	X	X	X	X		X
Boring Location Information (Elevation, Latitude, Longitude, Station, Offset)		X	X	X	X	X	X		X
Set Permanent Benchmarks		X	X	X	X	X	X		X
Install Instrumentation		X	X	X	X	X	X		X
Cone Penetration Tests					X			X	
Geoprobe® Sampling	X		X		X		X		X

**Equipment**

Eustis Engineering owns and operates six wet rotary drill rigs, both truck and skid mounted. This equipment includes one Diedrich truck mounted D-50 turbo drill rig (with an automatic SPT hammer); one Failing skid only rig (with an automatic SPT hammer); one truck mounted CME-55 rig; one track mounted CME-850X rig with an automatic hammer; one track mounted CME-850XR rig with an automatic hammer; and one truck mounted CME-55 rig with a detachable CME-55 skid unit and automatic hammer. We also own two track mounted cone penetrometer systems capable of providing up to 15 tons of reaction. Our CME track rigs provide low ground pressure and are designed to traverse soft ground surfaces, steep slopes, and lightly wooded areas.

Eustis Engineering also owns four direct push Geoprobe® units, two 3230DTs, the 6620DT and the 540M. Eustis Engineering's 6620DT/3230DT Geoprobe with their 12-in. tracks allow this equipment to be used on pavement as well as off road and in rugged terrain. The 6620DT and 3230DT rigs also can be placed on specialized equipment. This includes a jack-up barge and a cargo buggy for operations over marsh/water. These units can install shallow monitoring wells and other instrumentation. We also have the capability to perform CPTs using the 3230DT rigs.

Our 540M Geoprobe can fit into confined spaces as narrow as 32 inches. The 540M can also be utilized on an airboat for coastal terrains.

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

**LABORATORY**

Eustis Engineering's laboratories are constantly evolving with the purchase of new equipment on a yearly basis. Our gINT® data management software allows for maximum efficiency in production of boring logs and data entry.

Eustis Engineering has also recently acquired OpenGround®, Bentley's Cloud platform, which interfaces with a collection of geotechnical applications. OpenGround provides a comprehensive solution for collecting, reporting, managing, visualizing, analyzing, and accessing data. Its advanced digital workflows combine both subsurface and surface data into one cohesive design. This software will provide Eustis Engineering's team members access to a data source via connected applications or a web portal, increasing collaboration and efficiency. The improved access and reliability will save time and money in the planning, design, analysis, construction, and operation of infrastructure projects.

Eustis Engineering has also acquired KeyLAB® from Bentley. KeyLAB is the leading laboratory management system built specifically for geotechnical and construction materials testing laboratories. It improves our laboratory efficiency at every stage of the geotechnical and construction testing process, including sample and storeroom management, as well as electronic scheduling, testing, and reporting. It integrates with Microsoft Excel® allowing for easily customized worksheets and reports.

Technical testing common to our laboratories includes ASTM, ACI, LaDOTD, AASHTO, FAA, and U.S. Army Corps of Engineers. Our laboratories hold accreditations from AASHTO, LaDOTD, and the U.S. Army Corps of Engineers.

**Staffing**

Eustis Engineering currently has more than a dozen technicians to perform soil mechanics laboratory testing. These technicians are versed in the latest standards from ASTM, LaDOTD, MDOT, AASHTO, FAA, and the U.S. Army Corps of Engineers. Many of our technicians have earned certifications with the National Institute for Certification in Engineering Technologies (NICET) in the area of geotechnical engineering technology and in the subfields of construction, exploration, generalist, and laboratory.

**Laboratory Quality Control**

In our effort to ensure the quality of our laboratory and materials testing, our programs are regularly inspected by outside agencies such as the U.S. Army Corps of Engineers, the AMRL Group of the American Association of State Highway and Transportation Officials, and the CCRL Group of AASHTO. Eustis Engineering is also accredited by the Mississippi Department of Transportation. Eustis Engineering's laboratory is accredited with the AASHTO Materials Reference Laboratory (AMRL) in the areas of soil, aggregate, and Portland Cement Concrete.

Eustis Engineering has three soil mechanics laboratories where our laboratory practices and quality management system meet the requirements of AASHTO R 18 and ASTM E329. These offices are in Metairie, Baton Rouge, and Gulfport. Individual offices may comply with ASTM quality system specifications including ASTM C1077, ASTM D366, and ASTM D3740. Accreditations in the various areas are shown below.

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

Metairie	Baton Rouge	Gulfport
Aggregate		Aggregate
Asphalt	Aggregate	Asphalt
Concrete	Soil	Concrete
Masonry	Spray Fire-Resistive Material	Soil
Soil		Spray Fire-Resistive Material

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

Signature:  Print Name: Gwendolyn P. Sanders, P.E.  
 Title: President Date: 10 May 2021

**Statement of Qualifications**

**AFFIDAVIT**

**STATE OF LOUISIANA**

**PARISH/COUNTY OF JEFFERSON**

BEFORE ME, the undersigned authority, personally came and appeared: **Gwendolyn P. Sanders, P.E.**, (Affiant) who after being by me duly sworn, deposed and said that she is the fully authorized **President of Eustis Engineering L.L.C.** (Entity), the party who submitted a Statement of Qualifications (SOQ) to **provide Geotechnical Engineering Services Related to the Design for the Rehabilitation of the Transcontinental & Belle Lift Station (E8-1)** to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

**(Choose A or B, if Option A is indicated please include the required attachment):**

**Choice A**   **X**   Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors, and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

**Choice B** \_\_\_\_\_ There are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

**(Choose A or B, if Option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

**Choice B**   **X**   There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

Solicitation of Campaign Contribution Disclosures

**(Choose A or B, if Option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all elected officials of the Parish of Jefferson, whether still holding office at the time of the affidavit or not, where the elected official, individually, either by **telephone or by personal contact**, solicited a campaign contribution or other monetary consideration from the Entity, including the Entity's officers, directors, and owners, and employees owning twenty-five percent (25%) or more of the Entity, during the two-year period immediately preceding the date the affidavit is signed. Further, to the extent known to the Affiant, the date of any such solicitation is included on the attached list.

**Choice B**   **X**   There are **NO** solicitations for campaign contributions which would require disclosure under Choice A of this section.

Subcontractor Disclosures

**(Choose A or B, if Option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Affiant further said that attached is a listing of all subcontractors, excluding full time employees, who may assist in providing professional services for the aforementioned SOQ.

**Choice B**   **X**   There are **NO** subcontractors which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant who services in connection with the construction, alteration, or demolition of the public building or project, or in securing the public contract, were in the regular course of their duties for Affiant; and

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant who services, in connection with construction, alteration, or demolition of the public building or project, were in the regular course of their duties for Affiant.



Signature of Affiant

Gwendolyn P. Sanders, P.E.

Printed Name of Affiant

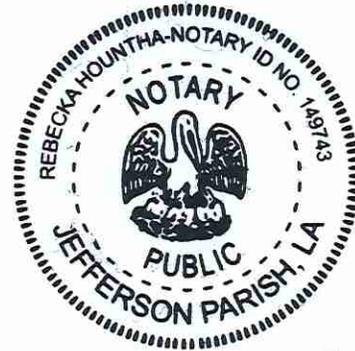
SWORN AND SUBSCRIBED TO BEFORE ME  
ON THE 10 DAY OF May, 2021.

Rebecka Hountha  
Notary Public

Rebecka Hountha  
Printed Name of Notary

149743  
Notary/Bar Roll Number

My commission expires at my Death



**POLITICAL CONTRIBUTIONS MADE TO JEFFERSON PARISH OFFICIALS  
BY EUSTIS ENGINEERING L.L.C.  
BETWEEN 1 JANUARY 2016 AND PRESENT DAY**

<b>Politician</b>	<b>Political Office</b>	<b>Date</b>	<b>Amount</b>
Dominick Impastato	Parish Council - District 4	4/18/2018	\$1,000
Paul D. Johnston	Parish Council - District 2	7/06/2017	\$1,000
Paul D. Johnston	Parish Council - District 2	3/08/2018	\$500
Paul D. Johnston	Parish Council - District 2	9/11/2018	\$1,000
Cynthia Lee-Sheng	Council-at-Large - Division B	4/26/2018	\$1,000
Mark D. Spears Jr.	Parish Council - District 3	12/07/2017	\$500
Mark D. Spears Jr.	Parish Council - District 3	1/26/2017	\$500
Mark D. Spears Jr.	Parish Council - District 3	7/30/2018	\$500
Ricky Templet	Parish Council - District 1	4/08/2019	\$1,000
Ricky Templet	Parish Council - District 1	3/17/2021	\$1,000
Jennifer Van Vrancken	Parish Council - District 5	1/23/2017	\$1,000
Jennifer Van Vrancken	Parish Council - District 5	5/02/2018	\$500
John Young	Parish President	10/12/2018	\$1,000

The logo features a dark blue trapezoidal shape on the left that tapers to a point on the right. A lime green trapezoidal shape on the right tapers to a point on the left, meeting the blue shape at a central point. The word 'VOLKERT' is centered in white serif font within the blue shape.

VOLKERT