

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

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

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:

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.

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

<input type="checkbox"/> Administrative	<input type="checkbox"/> Estimators	<input type="checkbox"/> Specification Writers
<input type="checkbox"/> Architects (Licensed)	<input type="checkbox"/> Geologists	<input type="checkbox"/> Structural Engineers
<input type="checkbox"/> Chemical Engineers	<input type="checkbox"/> Interior Designers	<input type="checkbox"/> Graduate Engineers
<input type="checkbox"/> Civil Engineers	<input type="checkbox"/> Landscape Architects	<input type="checkbox"/> Project Managers
<input type="checkbox"/> Construction Inspectors	<input type="checkbox"/> Land Surveyor	<input type="checkbox"/> Clerical
<input type="checkbox"/> Ecologists	<input type="checkbox"/> Mechanical Engineers	<input type="checkbox"/> Grant/Funding Specialist
<input type="checkbox"/> Electrical Engineers	<input type="checkbox"/> Environmental Engineers	<input type="checkbox"/> Sanitary Engineers
<input type="checkbox"/> Engineer Intern		<input type="checkbox"/> TOTAL
<input type="checkbox"/> Professional Land Surveyors	<input type="checkbox"/> CAD Technicians	

*All of our Engineers are Specification Writers.

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

If marked "No" skip to Section I. If marked "yes" complete Sections G-H.

TEC Professional Services Questionnaire

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

1.

2.

**H. Has this JOINT-VENTURE previously worked together? Please check: N/A
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.		
2.		
3.		

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

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:

Project Assignment:

Name of Firm with which associated:

Years' experience with this Firm:

Education: Degree(s)/Year/Specialization:

Active registration: Year first registered/discipline:

Other experience and qualifications relevant to the proposed Project:

Paul S. Vlosich, P.E.
Principal / Director of Municipal Projects / Electrical Engineer

Other Experience and Qualifications Relevant to the Proposed Project (continued)

Jefferson Parish Dept. of Drainage – Parish Line Pumping Station Addition

Designed and specified power, lighting, instrumentation, control, and SCADA systems for an addition to the existing station. The addition consisted of a diesel-driven vertical pump and associated support systems, such as compressed air for engine starting, gear lubrication and cooling, and diesel fuel storage and transfer. The design included provisions for three additional diesel-driven vertical pumps in the future. Location of the station required designs associated with the relocation of the medium voltage electrical service to the station. Project design features of special note included medium voltage pad-mounted switchgear, PLC equipment for complete monitoring and control of the station locally or remotely from Duncan Pumping Station, an expansion of the video surveillance system, motorized trash screen cleaner controls, fuel controls, engine controls, and gear vibration monitoring.

Jefferson Parish Dept. of General Services - New Standby Generator for First Parish Court

Designed, specified and administered the construction of a new 500 kW natural gas generator set to provide standby power to the First Parish Court Building. Paul acted as the Project Manager for this project; IMC was the Prime Consultant.

Jefferson Parish Dept. of Drainage – Hero Pump Station – Standby Power Automation

Currently designing modifications to existing medium voltage switchgear and medium voltage generator controls to allow for automatic transfer and paralleling of generators to the station when utility power is unavailable. Design includes replacement of existing generator controls with PLC-based controls, the addition of synchronization logic and controls to the existing switchgear, and replacement of existing electromechanical protection relays with digital, programmable GE Multilin relays. IMC is the Prime Consultant for this project, and Paul will also serve as the Project Manager during construction.

Jefferson Parish Dept. of General Services - Yenni Building Conversion to EOC

Designed and specified electrical systems associated with the conversion of the 10-story office building to an Emergency Operations Center for Jefferson Parish. Electrical design consisted of full standby generator power for the building, which was accomplished via paralleled 1000 kW diesel generators sets mounted on an elevated exterior platform. Electrical design also included new paralleling switchgear, new electrical service and main distribution equipment, bus duct connecting existing and new distribution equipment, lighting, and tie-in to existing fire alarm system. Generator housings were specified to withstand hurricane force winds. Space was provided on the platform and in the switchgear to incorporate a third, future generator for redundancy.

Jefferson Parish Dept. of Drainage – Veterans Blvd. Pumps

Currently designing and specifying electrical power, control, and SCADA systems for drainage booster pumping stations (3 total stations – 2 at Veterans and 1 at West Esplanade) to be located near the 17th St. Canal at Veterans Blvd. and West Esplanade Ave. Each station consists of multiple electric motor-driven pumps ranging from 125 HP to 350 HP each. Design includes primary and full standby power systems for each station, PLC pump controls, instrumentation, and SCADA system.

Kenner Wastewater Treatment Plant No. 3 – Generator Banking

Designed and specified power and control systems associated with the construction of facilities and systems necessary for paralleling three existing and two new generator sets to establish a 3.4 mega-watt (able to be increased to 4 mega-watt) standby power plant for the entire Sewer Treatment Plant. Design features included paralleling switchgear and associated generator controls, retrofit of existing generators, transfer switches, and control equipment, integration with existing PLC controls, and fuel controls. IMC acted as the Prime Consultant for this project.


Jefferson Parish Dept. of General Services - Yenni Building Federal Pacific Panelboard Replacement

Designed, specified, and administered the construction for the replacement of existing Federal Pacific Panelboards located in the Yenni Building for Floors 7 and higher. Paul acted as the Project Manager; IMC was the Prime Consultant.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 12/06/2018, the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Paul Schurb Vlosich		
License/Certificate Type - Number	Expiration Date	
PE.0031006	03/31/2022	
Status: Active		

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

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Disclaimer

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Name & Title:
Project Assignment:
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Years' experience with this Firm:
Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

Richard Nichols, P.E.
Principal / Electrical Department Head

Other Experience and Qualifications Relevant to the Proposed Project (continued)

East Bank Regional Library

Provided electrical design for the new construction of a 4,408-sq-ft maintenance building built adjacent to the existing library. Also created the design for the addition of two exterior 750-kW natural gas generators to provide non-emergency backup power for the entire library complex

River Ridge Library

This project involved construction of a 10,000-sq-ft library. The electrical design included lighting, power, fire alarm, communications and site lighting. A natural gas generator was designed to provide emergency back-up power for the entire library.

Jefferson Parish Fire Station #18

This project entailed an 8,500-square-foot, \$2.4 million full service fire station with living quarters, commercial kitchen and apparatus bay. The electrical design included lighting, site lighting, power, emergency generator, raceway for communications and CATV. The project included all LED lighting for the fire station along with lighting controls to save energy.

Veterans Blvd Decorative Lighting (Bonnabel Canal to Orleans Parish Line)

For this project, we replaced the existing metal halide fixtures and poles with new LED fixtures on new decorative poles from the Bonnabel Canal to the Orleans Parish line. Two new electrical service points were established to power the new lighting poles. All new lighting circuits were routed underground to handholes mounted next to each pole. The existing overhead exposed aerial cables were removed. From each handhole to each pole a breakaway cable assembly was provided to power the fixture on each pole. The breakaway cable assembly is UL listed to disconnect power to the pole in the event that the pole was knock down. The pole base was supplied with a breakaway pole base. The fixtures were energy efficient LED fixtures that provided better lighting at about 50% of the existing fixture wattage.

Causeway Blvd Decorative Lighting (Foot Airline overpass to West Napoleon)

For this project, we replaced the existing metal halide fixtures and poles with new LED fixtures on new decorative poles from the Foot of the Airline Overpass to West Napoleon. The total cost of this project is estimated at \$870,000. The project is still in design. A new electrical service location was established to power the new lighting poles. All new lighting circuits were routed underground to handholes mounted next to each pole. The existing overhead exposed aerial cables were removed. From each handhole to each pole a breakaway cable assembly was provided to power the fixture on each pole. The breakaway cable assembly is UL listed to reliably disconnect power to the pole in the event that the pole was knock down. The pole base was supplied with a breakaway pole base. The fixtures were energy efficient LED fixtures that provided better lighting at about 50% of the existing fixture wattage.

David Drive Corridor Improvements

Electrical design of lighting for David Drive from Veterans to West Napoleon, and design for new electrical service to feed poles and provide lighting controls. Poles required breakaway base to disconnect power if the integrity of the pole is compromised.

Loyola Westbound Off-Ramp Lighting

This project entailed the addition of an off-ramp lane which caused the relocation of existing light poles. Additional light poles were added to meet the required lighting levels. New lighting circuitry was provided from the existing lighting controller to all lighting poles. New fusing was also provided in each light pole base.

Marrero Wastewater Treatment Plant Administration Building, Jefferson Parish

This project involved a new 3,500-sq-ft building located at the Marrero Wastewater Treatment facility. The building has a 2,100-sq-ft saferoom room area that is back up by generator power. The electrical design included lighting, power, fire alarm and data communications. As mentioned above, a generator was included to power the saferoom area.


Mini-System Improvements Sewerage System for Jefferson Parish-Jefferson, Louisiana

Electrical design of numerous sewerage-lift and booster stations for Jefferson Parish. Approximately 30 - 40 stations to date, duplex and triplex, submersible, wet/dry well and above ground facilities.



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	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Richard Earl Nichols		
License/Certificate Type - Number	Expiration Date	
PE.0025896	09/30/2022	
Status: Active		

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Name of Firm with which associated:
Years' experience with this Firm:
Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

Eugene “Chip” Higbee, III, P.E.
Principal / Quality Assurance

Other Experience and Qualifications Relevant to the Proposed Project (continued)

Yenni Building - Replacement of Cooling Tower – Jefferson, Louisiana

Chip, under an ongoing open-ended professional services contract, has provided the mechanical design associated with replacement of the existing cooling tower on the Yenni Building.

Jefferson Parish Government Complex Emergency Power/Generator

Provided a study of the existing mechanical systems to determine the required generator capacity to operate the complex as an emergency operations center.

East Bank Maintenance Building – Jefferson Parish General Services

Handled Mechanical design of DX split variable air volume cooling systems and plumbing system.

Westminster Pumping Station, Generator Addition

Provided quality assurance review and supervision associated with all mechanical design.

Jefferson Parish Performance Contract Review

Provided technical review of Parish-wide performance contract with Siemens. Tasks included energy savings review, scope of work confirmation and terms and conditions.

East Bank Maintenance Building – Jefferson Parish General Services

Handled Mechanical design of DX split variable air volume cooling systems and plumbing system.

Marrero Wastewater Treatment Facility EOC

Mechanical engineer of record new administration and emergency operations center for the wastewater treatment plant. The building includes administrative offices, a wastewater lab and storm resistant structure designed to house personnel during major weather events.

Jefferson Parish Head Start

Provided quality control for 6,000-sq-ft addition to existing Marrero head start facility. Project scope included mechanical, plumbing and fire protection systems in both the new addition and renovated areas.

Stormproofing New Orleans Sewerage & Water Board Pumping Stations

Supervised all mechanical design of stormproofing measures under an Army Corps of Engineers IDIQ contract associated with all drainage pumping stations. Systems included design for all ventilation systems, installation of sump pumps, fuel oil storage/transfer pumping/piping and engine cooling water systems to support diesel engine pumping systems.

Consolidated Car Rental & Utility Building- Louis Armstrong International Airport

Mechanical engineer of record for 600,000 sq. ft. (three levels) parking garage associated with the Consolidated Rental Car facility. This garage is of poured in place construction with pre-cast exterior panels. Responsible for Mechanical design for Customer Buildings, Terminal Maintenance Area, Planning and Development building renovation and the New Utility Building. Mechanical design included relocation of 13800-volt service.

Jackson Barracks- Engineering Complex


This project included design for three buildings: Building 401 is a 18,000 sq. ft. warehouse facility with small office and 2nd floor work area and showers. Building 402 is a 6,800 square foot vehicle maintenance building. Building 403 is a 15,000 square foot shop building with a storage mezzanine and office area. All buildings were heated and ventilated. Chip was responsible for all mechanical design.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

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Mr. Eugene Fallis Higbee II
2714 Independence Street
Metairie, LA 70006

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Eugene Fallis Higbee III		
License/Certificate Type - Number		Expiration Date
PE.0026162		09/30/2022
Status: Active		
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Name & Title:
Project Assignment:
Name of Firm with which associated:
Years' experience with this Firm:
Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

Matthew Wender, P.E.

Principal / Mechanical Department Head / Mechanical Engineer

Other Experience and Qualifications Relevant to the Proposed Project (continued)

Jefferson Parish East Bank Regional Library Storage & Emergency Power

Responsible for the Mechanical, Plumbing, and Fire Protection design and construction administration of the 4,500 square maintenance building, emergency power systems, and parish wide building automation system upgrades. Mechanical design included 4-pipe, variable volume vertical fan coil units with underground hydronic tie-ins to the existing facility's utilities. Restroom and workshop dedicated ventilation systems were also provided. Plumbing and sprinkler system design included new systems extended from the main facility with a dedicated sprinkler system riser and backflow preventer. Modifications were made to the existing gas service to provide high-pressure gas at the site as well as gas piping to two new 750KW emergency generators. Finally, design and implementation of the Parish library wide Siemens Design energy management system migration were provided.

Jefferson Parish West Bank Regional Library

IMC is responsible for the Mechanical, Plumbing, and Fire Protection design and construction administration of the 33,500 square foot renovation to the existing library as well as a 17,000 square foot addition. Project design is currently complete but has not yet advertised. The mechanical design encompassed phased wholesale replacement of existing HVAC systems with four-pipe, variable volume equipment. The design included a 160-ton high-efficiency air cooled chilled water plant, a 1400MBH heating hot water plant with condensing boilers, variable speed skid mounted pumping systems, central station chilled water air side equipment, and variable air volume terminal units with hot water reheat. New restroom ventilation systems and a new energy management system to control and monitor the HVAC equipment were also provided. The plumbing and sprinkler system design included complete replacement of existing systems. Hydro-tunneling to facilitate new below slab waste piping was designed to mitigate issues caused by site settlement. Domestic water and vent piping were replaced to accommodate relocated restrooms and reconfigured ceilings. Modifications to the sprinkler system riser and distribution piping were designed to provide and double-check backflow preventer and allow the phased construction. New sprinkler heads were specified for the renovation and addition areas and a new high-pressure gas service was design to support the gas-fired heating hot water boilers and an emergency generator.

Lakeshore Library Equipment Upgrades

Project consists of replacing four direct-expansion vertical indoor air-handling units, outdoor condensing units, and associated ductwork modifications and refrigerant piping. Exterior equipment is relocated to the building roof. Total replacement equipment capacity is 38.5 tons. High-efficiency, variable volume equipment features BACnet integration to building control system and modulating hot gas reheat to provide full humidity control.

Jefferson Parish Library HVAC Control Upgrade

Project consisted of providing a new Direct Digital Control (DDC) System to replace the existing energy management system. The scope of work includes the replacement of existing pneumatic controls with a digital overlay, thereby providing new digital control panels, room sensor/stats, and a new operator workstation. Existing pneumatic actuators will remain with EP relays to interface with the DDC system.

Jefferson Parish Library Special Collections Area HVAC Upgrade and Library Generator

Project consisted of providing new HVAC systems and associated electrical and duct work modifications and structural supports to serve the Special Collections area of the East Bank Library. Additionally, the project consists of providing new, natural gas fueled, standby power generation equipment and associated distribution equipment modifications, gas piping modifications, and structural supports as required by the equipment and as necessary to provide standby power sized for the new HVAC equipment as well as receptacles and lighting in the Special Collections area. The project will also include the disconnection, raising and reconnection of an existing generator unit to minimize the risk of damage during a flood condition.

Jefferson Parish Library Chiller Replacement


Project consists of providing two new air-cooled chillers, including: new chilled water pumps, chilled water piping modifications, all required power distribution and control system modifications, and structural supports necessary to provide additional air conditioning capacity for Jefferson Parish East Bank Regional Library.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

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Mr. Matthew David Wend
2714 Independence Street
Metairie, LA 70006

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Matthew David Wender		
License/Certificate Type - Number	Expiration Date	
PE.0034365	03/31/2021	
Status: Active		
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Project Assignment:	
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Years' experience with this Firm:	
Education: Degree(s)/Year/Specialization:	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	

**Louis Pastor, CPD
Plumbing Designer**

Other Experience and Qualifications Relevant to the Proposed Project (continued)

Jefferson Parish Dept. of General Services - Yenni Building Conversion to EOC

Designed and specified plumbing systems associated with the conversion of the 10-story office building to an Emergency Operations Center for Jefferson Parish. The plumbing design consisted of providing a fire rated fuel oil storage tank on the second-floor generator platform to supply fuel to the two standby generators that were installed to power the building. As part of the project, a water storage tank was designed and installed to serve the Emergency Operations Center (EOC) during times of an emergency in the event that the Parish's domestic water feed to the building was rendered inoperable.

Jefferson Parish Dept. of General Services - New Standby Generator for First Parish Court

The plumbing designed included modifying the building's existing natural gas service so that it could serve the new 500 kW natural gas generator that was installed to provide standby power to the First Parish Court Building. High pressure gas was brought in to serve the generator and then regulated down to serve the remainder of the building loads.

Jefferson Parish "Parish-Line" Pump Station

This project is an expansion the existing pump station located at the Parish Line Canal. A single drainage pump is being added in a new building. The project is being designed to allow for expansion to a total of four new pumps. The design included add a new 12,000 gallon diesel fuel yard to augment the existing fuel storage on site, new domestic water service modifications, new domestic water booster pumps, new raw water pumps to serve the existing, new and future drainage pumps bearing systems (this system will act as back up to the domestic water system), new compressed air system to start the diesel driven drainage pump, new fuel distribution to serve the new and future diesel engines, and new diesel engine exhaust system.

Jefferson Parish Elmwood Drainage Pump Station

This was a multi-year project that consisted of replacing eight (8) existing diesel engines, remote radiators and mufflers that drive the eight (8) vertical turbine drainage pumps at the Elmwood Pump Station. As part of the mechanical design, the existing diesel driven engines, their remotely mounted radiators and mufflers were replaced. The designed included replacement, or modifications, to the fuel, compressed air and cooling water piping systems associated with the new engines, refurbishment of the existing right angle gear reducers and new drive shafts to connect the engines to the gear reducers. The project was designed in phases to replace two units at a time so as not to drastically reduce the pumping capacity of the station.

Kenner Waste Water Treatment Plant Renovations

This project was a renovation of Kenner Waste Water Treatment Plant's stand-by, power generation system. As part of the project, the three stand-by generators were relocated, two new stand-by generators were added, with capacity to eventually add a sixth generator. The relocated and new generators (total of five generators) were located on a new concrete pad that also housed a 20,000-gallon diesel fuel storage tank, complete with new transfer pumps and stainless-steel distribution piping. Currently the generators are filled individually via fuel truck. The renovation allowed the facility to store enough fuel to serve the five generators for 3 to 4 days so that the plant can operate during and extended power outage.

Louis Armstrong New Orleans International Airport – Consolidated Car Rental Facility

The facility consisted of several rental Car Service Centers, a Customer Service Building and a Parking Garage. The plumbing design for the Car Service Centers, which maintain and service the rental cars, included compressed air, lube oil, grease, hydraulic fluid and water reels. The sanitary sewer system included oil/water separators to filter the waste before it reached the municipal sewer system. Plumbing was designed to serve the automated car wash stations. The plumbing for the Customer Service Building included public toilet rooms and a complete sprinkler system. The Parking Garage was provided with a storm drainage system and standpipes in the exit stairs. As part of the project, the existing Utility Building which serves the airports domestic water and fire water needs, was abandoned and a new building including duplex domestic water booster pumps and three diesel driven fire pumps was built.

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:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A		
2.		
3.		
4.		

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

IMC Consulting Engineers, Inc. has enjoyed serving Jefferson Parish for over 30 years and has provided extensive electrical and mechanical work for the Parish both as a prime consultant and as a sub-consultant. Relevant projects include MEP design for municipal, military, recreational, and emergency facilities. Specific to Jefferson Parish, IMC designed and administered the construction for mechanical and/or electrical systems for the Yenni Building Generator Platform, Yenni Building Cooling Tower Replacement, and the additional of the standby generator at First Parish Court, to name a few.

Providing quality professional services to the municipal sector has been a key component of our company's success. Our experience serving this sector has afforded us the opportunity to understand the unique challenges this sector faces, namely budget constraints, operational costs, and the serviceable life that the systems are expected to provide.

SEE ADDITIONAL PAGES

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

Signature Paul S. Vlosich Print Name: Paul S. Vlosich, P.E.

Title: Principal and Director of Municipal Projects Date: April 27, 2021

TEC Professional Services Questionnaire (continued)

1. PROFESSIONAL TRAINING AND EXPERIENCE

IMC has worked on numerous projects for Jefferson Parish. These include: libraries, pumping stations, hospitals, office buildings, and others.

IMC Consulting Engineers employs two Registered Professional Electrical Engineers, and three Electrical Designers:

- Richard Nichols, PE
- Paul Vlosich, PE
- Daniel Walker
- Garret Fried
- Brant Hoover, EIT

IMC Consulting Engineers employs four Registered Mechanical Engineers, one Senior Mechanical Designer specializing in plumbing engineering and certified in that area, and another Mechanical Designer:

- Eugene "Chip" Higbee, PE
- Matthew Wender, PE
- Joseph Garon, PE
- Matthew Garon, PE
- Louis Pastor, CIPE/CPD
- Russell Troncoso

IMC Engineers provide regular field observation & inspection of projects under construction as part of the responsibilities associated with the projects.

Please note that IMC has regularly kept abreast of all changes to NFPA at every code cycle which occurs every three years. For this reason, each of our registered Electrical Engineers are presently fully trained in NFPA 70. With respect to NFPA 70E (Electrical Safety Code), Richard E. Nichols, P.E. has recently completed the training as he is the supervising principal/Engineer for the firm.

IMC is presently utilizing AutoCAD and Revit drafting techniques. The system utilizes AutoCAD and Revit software on fourteen design/drafting stations and a custom-designed template specifically tailored to electrical and mechanical system drafting. This template was designed in 1988 and continues to be upgraded by IMC CAD personnel. IMC utilizes MS Word processing software for specification and general correspondence and Microsoft Excel electronic spreadsheet for efficient tabulation of data.

2. SIZE OF FIRM

We are a 17-person firm specializing in M & E services and we have been located in Jefferson Parish since 1993. Our engineers and designers are involved in all aspects of the project from design to final observation, decreasing the total impact that a single project has to company resources, and allowing our engineers to take ownership of the projects they have designed.

3. CAPACITY FOR TIMELY COMPLETION OF NEWLY ASSIGNED WORK

IMC's staff of 17 can easily support the design effort required for the assigned work. We project, based upon our experience with past contracts with Jefferson Parish, that this contract would constitute less than 2% of our revenue in a fiscal year. Based upon the revenue expected to be generated, IMC can easily staff the project with experienced personnel that have been with the firm for many years. Our past experience with Jefferson Parish has proved that IMC has the capacity for timely completion of projects. We know of no case where IMC was not able to deliver a project on time.

TEC Professional Services Questionnaire (continued)

4. PAST PERFORMANCE ON PROJECTS OF SIMILAR SIZE, SCOPE, AND SCALE

IMC has provided engineering services for many Jefferson Parish projects. All projects have been successfully completed, and we encourage review of our performance with the Jefferson Parish personnel. Currently, we hold a mechanical/electrical contract with Jefferson Parish. We have also completed projects for the Louisiana Department of Transportation, State of Louisiana, East Jefferson General Hospital, and the Louisiana National Guard, the U.S. Navy, and the U.S. Marine Corp.

5. LOCATION OF PRINCIPAL OFFICE WHERE WORK WILL BE PERFORMED

IMC's only office is located in Jefferson Parish at 2714 Independence Street and many of our employees reside in Jefferson Parish. We have been located in Metairie since 1993. All mechanical and electrical design work will be performed from this office by staff presently with IMC.

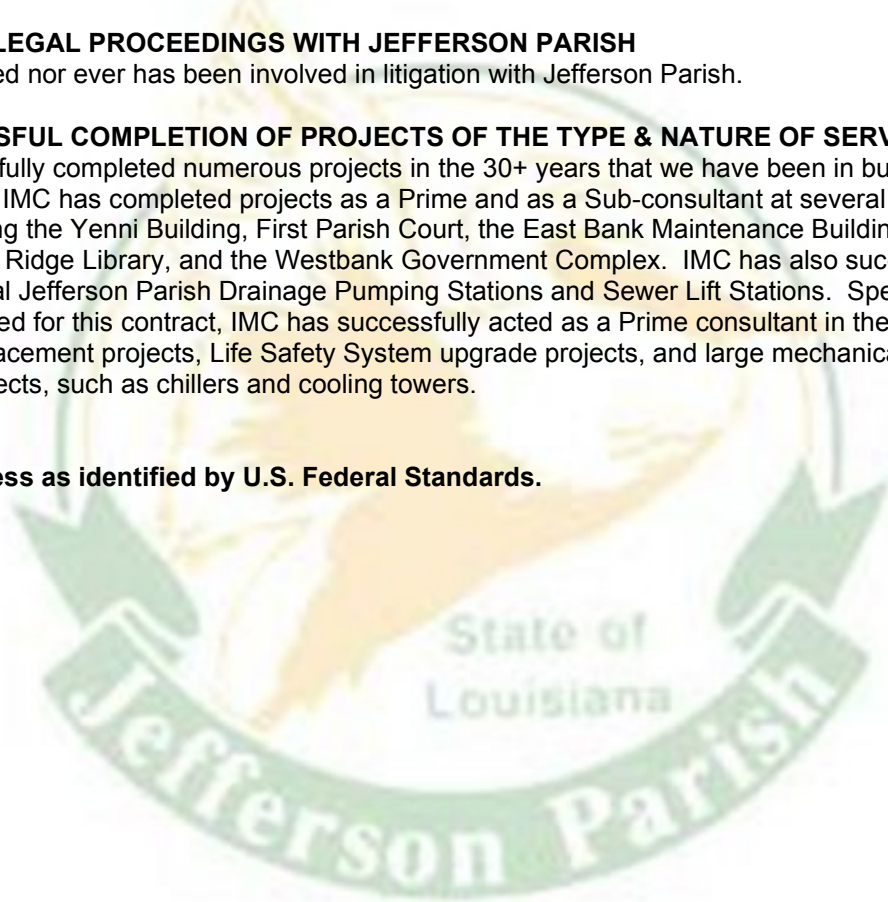
6. ADVERSARIAL LEGAL PROCEEDINGS WITH JEFFERSON PARISH

IMC is not involved nor ever has been involved in litigation with Jefferson Parish.

7. PRIOR SUCCESSFUL COMPLETION OF PROJECTS OF THE TYPE & NATURE OF SERVICES

IMC has successfully completed numerous projects in the 30+ years that we have been in business. Specific to Jefferson Parish, IMC has completed projects as a Prime and as a Sub-consultant at several Jefferson Parish Facilities, including the Yenni Building, First Parish Court, the East Bank Maintenance Building, the East Bank Library, the River Ridge Library, and the Westbank Government Complex. IMC has also successfully completed projects at several Jefferson Parish Drainage Pumping Stations and Sewer Lift Stations. Specific to the projects of the type anticipated for this contract, IMC has successfully acted as a Prime consultant in the past for generator addition and replacement projects, Life Safety System upgrade projects, and large mechanical equipment replacement projects, such as chillers and cooling towers.

IMC is a small business as identified by U.S. Federal Standards.



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

Name:	Public Address:
	Ms. Liz Norton
IMC Consulting Engineers, Inc.	2714 Independence Street
	Metairie,LA 70006

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001470	ACTIVE	11/17/1988	03/31/2023	Mr. Eugene Fallis Higbee III # PE.0026162 - Active Mr. Richard Earl Nichols # PE.0025896 - Active



IMC intends to utilize the following sub-consultants to complete work identified in the RFQ:

1. Geotechnical and Materials Testing: Eustis Engineering L.L.C.
2. Surveying: Linfield, Hunter & Junius, Inc.

Eustis Engineering L.L.C.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:		
Professional Mechanical and Electrical Engineering Services on an As-needed Basis for Projects Located Throughout the Parish		
B. Firm Name & Address where Project Work Will be Performed:		
Eustis Engineering L.L.C. 3011 28 th Street, Metairie, Louisiana 70002		
C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:		
Gwendolyn P. Sanders, P.E. / President / 504-834-0157 / gsanders@eustiseng.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.		
Gwendolyn P. Sanders, P.E. / President / 504-834-0157 / gsanders@eustiseng.com		
E. Please provide the number of employees whose primary function corresponds with each category:		
<div style="display: flex; flex-direction: column; align-items: flex-start;"> <div><u>7</u> Administrative</div> <div><u> </u> Architects (Licensed)</div> <div><u> </u> Chemical Engineers</div> <div><u> </u> Civil Engineers</div> <div><u> </u> Construction Inspectors</div> <div><u> </u> Ecologists</div> <div><u> </u> Electrical Engineers</div> <div><u>4</u> Engineer Intern</div> <div><u> </u> Professional Land Surveyors</div> </div>	<div style="display: flex; flex-direction: column; align-items: flex-start;"> <div><u> </u> Estimators</div> <div><u>1</u> Geologists</div> <div><u>13</u> Geotechnical Engineers</div> <div><u> </u> Interior Designers</div> <div><u> </u> Landscape Architects</div> <div><u> </u> Land Surveyor</div> <div><u> </u> Mechanical Engineers</div> <div><u> </u> Environmental Engineers</div> </div>	<div style="display: flex; flex-direction: column; align-items: flex-start;"> <div><u> </u> Specification Writers</div> <div><u> </u> Structural Engineers</div> <div><u>1</u> Graduate Engineers</div> <div><u> </u> Project Managers</div> <div><u>7</u> Clerical</div> <div><u> </u> Grant/Funding Specialist</div> <div><u> </u> Sanitary Engineers</div> <div><u>48</u> Other</div> <div><u>81</u> TOTAL</div> </div>
F. Is this submittal is a JOINT-VENTURE? Please check: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
If marked "No," skip to Section I. If marked "Yes," complete Sections G-H.		

TEC Professional Services Questionnaire

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

1.
N/A

2.

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

YES ☐ NO ☐

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
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

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Gwendolyn P. Sanders, P.E. / President	
Project Assignment:	
Principal Engineer	
Name of Firm with which Associated:	
Eustis Engineering L.L.C.	
Years' Experience with This Firm:	
28	
Education: Degree(s)/Year/Specialization:	
Bachelor of Science/1990/Civil Engineering Master of Science/1992/Civil Engineering	
Active Registration: Year First Registered/Discipline:	
Louisiana: 1997/Civil Engineering Mississippi: 2003/Civil Engineering Texas: 2020/Civil Engineering	
Other Experience and Qualifications Relevant to the Proposed Project:	
<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 five contained within this submittal.

- Jefferson Parish Sheriff's Office, First District Station, 3620 Hessmer Avenue, Metairie, Louisiana
- St. John The Baptist Parish, Proposed Generator Installations at Seven Sites, St. John The Baptist Parish, Louisiana
- St. John the Baptist Parish, Ruddock Booster Station Nos. 1 and 3, Ruddock, Louisiana
- Jefferson Parish, Lift Station G8-2, Tolmas Drive and West Esplanade Avenue, Metairie, Louisiana
- Hancock County, Emergency Operations Center, MS Highway 603, Hancock County, Mississippi
- Jefferson Parish, Veterans Boulevard, North and South Pump Stations, Jefferson Parish, Louisiana






LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 12/06/2018, the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Ms. Gwendolyn Philips Sar
3011 28th Street
Metairie, LA 70002

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Ms. Gwendolyn Philips Sanders		
License/Certificate Type - Number	Expiration Date	
PE.0027104	09/30/2021	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer

All information provided by LPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LPELS.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Sean G. Walsh, P.E. / Engineering Manager
Project Assignment:
Engineering Manager/ Project Manager
Name of Firm with which Associated:
Eustis Engineering L.L.C.
Years' Experience with This Firm:
9
Education: Degree(s)/Year/Specialization:
Bachelor of Science/2007/Civil Engineering Master of Science/2010/Civil Engineering
Active Registration: Year First Registered/Discipline:
Louisiana: 2013/Civil Engineering
Other Experience and Qualifications Relevant to the Proposed Project:
<p>For his first five years after graduation, Sean G. Walsh, P.E., was a Project Engineer on numerous projects in the New York and New Orleans metropolitan areas where he gained experience in civil, geotechnical, and geo-environmental engineering projects for a variety of public and private clients.</p> <p>Since joining Eustis Engineering in 2012 as a Project Engineer, Mr. Walsh has been responsible for developing and managing engineering package preparations (e.g., engineering design and analysis, reporting, development of construction and permit drawings, contract specifications, cost estimates, and design reporting) for a diverse range of design and analysis projects, including deep foundations, excavation support systems, utility foundations, slope stabilization, solid waste closure systems, levee inspection/safety, and seepage modeling.</p> <p>Mr. Walsh was promoted to Project Manager in 2017. Mr. Walsh is also a graduate of the 2017 New Orleans Regional Leadership Institute (NORLI), a one-year training program designed to help shape community leaders.</p> <p>During his employment with Eustis Engineering, Mr. Walsh has provided engineering services on more than 400 projects. Mr. Walsh has risen to the level of Engineering Manager in which he is responsible for personnel resource allocation, the overall engineering schedule, and execution of engineering services. Mr. Walsh also functions as a mentor to the engineering staff.</p> <p>A large portion of Mr. Walsh's experience, before and after joining Eustis Engineering, involved development of design and construction recommendations associated with flood protection systems in southeastern Louisiana. Mr. Walsh has served as the project engineer and project manager responsible for the development and implementation of geotechnical exploration programs; development of soil testing laboratory programs; and interpretation of the results to evaluate strength, compressibility, and general soil characterization. Mr. Walsh used these data for geotechnical designs comprising pile capacity curves; bearing capacity analyses; cantilever retaining analyses; anchored retaining wall analyses; temporary retaining structure design; time-settlement projections for earthen levees with lift schedules; soil pressure profiles; structural and earthen levee under seepage analyses; levee and bank stability by the Spencer's Method and the Method of Planes; reinforced embankment design; stability analyses of flood protection walls</p>

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Sean G. Walsh, P.E. / Engineering Manager

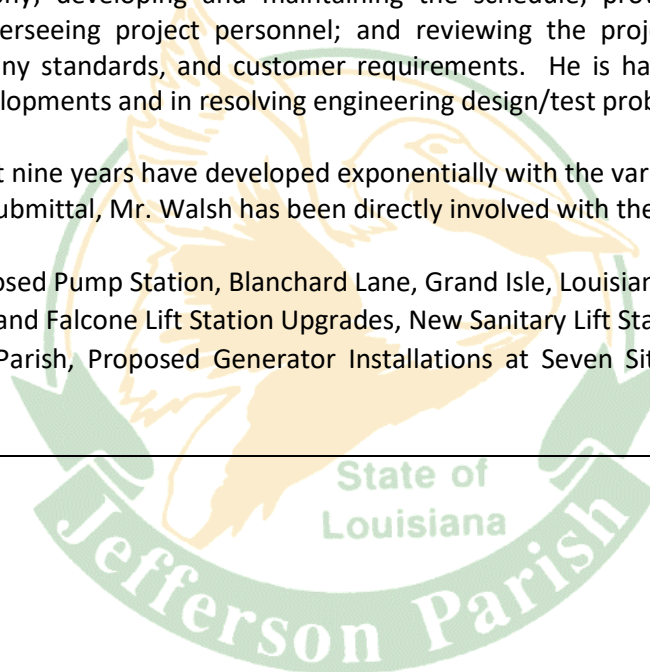
(e.g., T-wall, I-wall, L-wall, and braced 'A-Frame' walls); downdrag and settlement analyses; settlement induced bending moments (SIBM) in foundation piles; piping analyses; uplift analyses; heave analyses; three dimensional modeling of fill and structural load placements for predictions of time-rate settlements of foundation systems; and numerical modeling of soil-structure-interaction (SSI) of flood protection structures by the finite element method (FEM).

Mr. Walsh has also worked on many local government projects in towns and cities including New Orleans, Golden Meadow, and Kentwood; numerous projects in Jefferson, Orleans, St. Bernard, St. Charles, and Plaquemines Parishes; several Port Commissions (Baton Rouge, New Orleans, South Louisiana, etc.); the Sewerage & Water Board of New Orleans, etc.

Regardless of the types of projects engineered for these agencies, his responsibilities have remained the same, namely defining the project philosophy; developing and maintaining the schedule; providing status reports to clients; controlling expenditures; overseeing project personnel; and reviewing the project design for compliance with engineering principles, company standards, and customer requirements. He is hands-on in coordinating activities concerned with technical developments and in resolving engineering design/test problems.

Mr. Walsh's skills over the past nine years have developed exponentially with the variety of projects that have crossed his desk. With regard to this submittal, Mr. Walsh has been directly involved with the following projects:

- Jefferson Parish, Proposed Pump Station, Blanchard Lane, Grand Isle, Louisiana;
- Jefferson Parish, Jung and Falcone Lift Station Upgrades, New Sanitary Lift Station, Marrero, Louisiana; and
- St. John The Baptist Parish, Proposed Generator Installations at Seven Sites, St. John The Baptist Parish, Louisiana.






LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 12/06/2018, the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Sean Gerard Walsh
3011 28th Street
Metairie, LA 70002

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Sean Gerard Walsh		
License/Certificate Type - Number	Expiration Date	
PE.0037905	09/30/2021	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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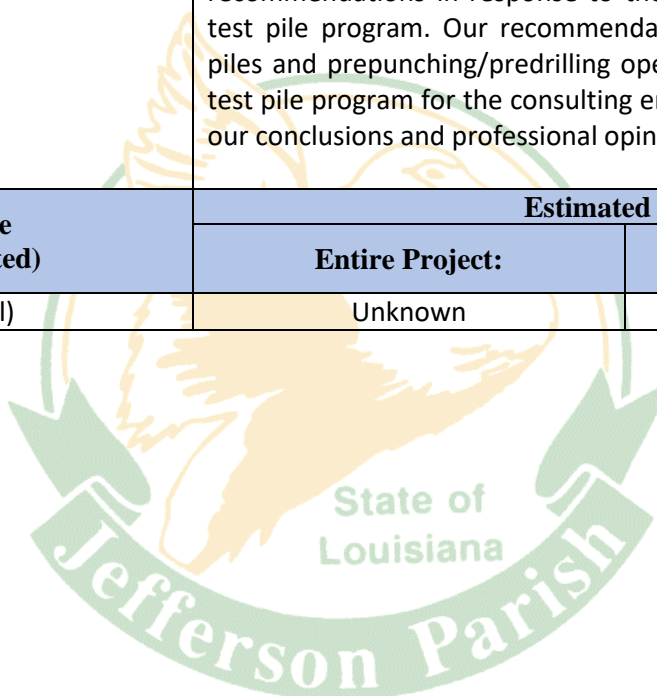
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Disclaimer

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PROJECT NO. 1	
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:
<p>Jefferson Parish West Bank Central Warehouse Facility LA Highway 18 Bridge City, Louisiana Eustis Engineering Project Nos. 22720 (.01)</p> <p>Jefferson Parish Through ECM Consultants, Inc. Suite 200 4409 Utica Street Metairie, Louisiana 70006 Chris Maniscalco @ 504-885-4080</p>	<p>As part of our geotechnical exploration, Eustis Engineering provided foundation analyses and recommendations for the proposed West Bank Central Warehouse Facility to be located north of LA Highway 18 in Bridge City, Louisiana.</p> <p>The project was to consist of two major structures: a warehouse and a poles/fixtures building, along with 21 parking spaces. The warehouse would have plan dimensions of 168' x 216'. The poles/fixtures building would have approximate plan dimensions of 50' x 110'. Approximately 3 feet of structural fill was anticipated to raise the site's grade to construction levels beneath the proposed structures. As an alternative to the structural fill, expanded polystyrene foam (EPS) blocks were being considered to raise the grade of the building footprints. Other project components included a new fenced laydown yard, parking areas and driveways, a loading dock on the northeastern corner of the warehouse, and underground drainage pipes (a maximum of 24 inches in diameter with an estimated maximum bearing depth of 4 feet).</p> <p>At the time of our field activities, the site was observed to be a generally level, open lot with an existing fence, fuel storage tanks, a fueling island, and minimal vegetation. Eustis Engineering drilled three undisturbed sample type soil test borings to depths of 60 to 100 feet and two auger borings to depths of 10 feet. Subsoil samples were obtained in the field using a 3-in. diameter thinwall Shelby tube sampling barrel. The samples were then tested in our laboratory to evaluate subsurface conditions and stratifications. Soil mechanics laboratory tests consisted of natural water content, unit weight, unconfined compression shear, and Atterberg liquid and plastic limits tests.</p> <p>Our engineering analyses and recommendations included:</p> <ul style="list-style-type: none"> • site preparation recommendations addressing the need for adequate drainage during and after construction; • appropriate clearing and stripping operations complying with Louisiana Standard Specifications; • subgrade preparation; • recommended structural fill and its compaction; • estimated fill settlement; • areal subsidence; • excavation bracing requirements in accordance with OSHA; • lateral earth pressure on buried structures and at the truck wells associated with the loading dock; • recommendations for the installation of new 6-in. to 24-in. diameter sewer and drain lines including bedding materials, the use of geotextile separation fabric, and backfill materials;

PROJECT NO. 1		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	<ul style="list-style-type: none"> allowable load capacities, in compression and tension, for various sizes of treated timber piles, timber composite piles, and square, precast concrete piles; estimated settlement due to structural loads; estimated settlement of piles due to fill placement; recommendations for flexible and rigid pavements; and recommended truck well designs and construction at the loading dock. <p>Although Eustis Engineering was not selected to conduct the test pile program, as the geotechnical engineer of record, we provided recommendations in response to the contractor's RFI regarding the test pile program. Our recommendations centered on the reaction piles and prepunching/predrilling operations. We also reviewed the test pile program for the consulting engineer on the project providing our conclusions and professional opinions regarding the results.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
May 2015 (Actual)	Unknown	\$11,500



PROJECT NO. 2		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish Sheriff's Office First District Station 3620 Hessmer Avenue Metairie, Louisiana Eustis Engineering Project No. 23114</p> <p>Jefferson Parish Sheriff's Office Through N-Y Associates, Inc. 2750 Lake Villa Drive Metairie, Louisiana 70002 Jonathan O'Rear @ 504-885-0500</p>	<p>The Jefferson Parish Sheriff's Office planned a new station on Hessmer Avenue in Metairie, Louisiana. The station would be approximately 7,000 square feet in plan size with a main floor comprising an entrance lobby, retail space, and storage space with the second floor serving as the JPSO's First District office. The main floor and pavements would be constructed between existing grade up to an elevation of 4 feet.</p> <p>Eustis Engineering drilled one soil boring to a depth of 100 feet below the existing ground surface. The boring depth was required to identify the surface of the Pleistocene formation, and to evaluate settlement and downdrag due to the placement of fill. Eustis Engineering also drilled five auger borings to depths of 10 feet for the pavement areas.</p> <p>After completing the field investigation, our laboratory personnel performed a variety of soil mechanics laboratory tests including natural water content, unit weight, unconfined compression shear, and unconsolidated undrained triaxial compression shear. These tests were used to classify the soils, determine their shear strength, and determine their relative compressibility.</p> <p>Our engineering staff performed engineering analyses for the project. These analyses included:</p> <ul style="list-style-type: none"> • recommendations for site preparation, • recommendations for placement and compaction of fill, • estimates of allowable pile load capacities, • effects of downdrag on piles due to fill placement, • estimates of settlement, • components and thicknesses for rigid and flexible pavements, and • general foundation construction procedures. <p>Eustis Engineering later provided engineering analyses and recommendations comprising settlement estimates for closely spaced pile groups under the effects of final site grading and structural loads, a discussion on the use of job piles for pile load tests, and a discussion of pile downdrag settlement estimates based on site settlements as contrasted with settlements based on estimated pile adhesional forces.</p> <p>Finally, we were brought in to consult on the test pile program. Services performed in this capacity included reviewing pile driving records, witnessing pile load tests, evaluating pile group effects, and providing general consultation regarding obstructions and conflicts.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
May 2018 (Actual)	Unknown	\$11,400

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish Proposed Pump Station Blanchard Lane Grand Isle, Louisiana Eustis Engineering Project No. 24160</p> <p>Jefferson Parish Through GIS Engineering, L.L.C. 197 Elysian Drive Houma, Louisiana 70363 Kyle Galloway @ 985-219-1000</p>	<p>Plans called for the pump station to be supported on timber or concrete piles. Three reinforced concrete inlet pipes were planned, and two 24-in. diameter discharge pipes would be connected to the pump station. Each of the discharge pipes would be connected to a vertical pump with an electric motor housed on an elevated platform above the pump station. The pump station would have approximate plan dimensions of 14' x 16.33'. A design alternative, consisting of a grade supported pump station (without pile support), was also evaluated as part of our investigation.</p> <p>In the field, one undisturbed boring was drilled for the project extending to a depth of 150 feet below the existing ground surface. In the laboratory, soil mechanics laboratory tests included visual classification, natural water content, unit weight, unconfined compression shear, and unconsolidated undrained triaxial compression shear tests.</p> <p>Engineering analyses included the following:</p> <ul style="list-style-type: none"> • recommendations for ground water management; • site preparation recommendations including excavation preparation and development of a working platform/bedding as well as a sealant slab; • recommended construction materials including geotextile fabric as well as structural fills and their compaction; • temporary retaining structures; • dewatering and pressure relief associated with a working platform; • allowable soil bearing values for the pump station, net applied soil pressure, and settlement of the mat/slab supported pump station; • consideration of hydrostatic uplift pressures; • lateral earth pressures; • estimated allowable load capacities for various sizes of treated ASTM D25 quality timber piles and square precast concrete piles; • estimated pile settlement due to sustained structural loads; and • pile installation recommendations. 	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
August 2019 (Actual)	Unknown	\$14,500

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish Jung and Falcone Lift Station Upgrades New Sanitary Lift Station Marrero, Louisiana Eustis Engineering Project No. 23819</p> <p>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 a 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"> • site preparation encompassing temporary and permanent drainage and excavation recommendations; • dewatering and pressure relief, lateral movement, and excavation base preparation associated with the sanitary gravity sewer line, wet well, and valve box; • lateral earth pressures; • base preparation, pipe bedding, and backfill for the force main and sanitary sewer line; • allowable soil bearing value recommendations for the wet well and valve box; • allowable pile load capacities, in compression and tension, for treated ASTM D25 quality timber; and • settlement estimates for both ground supported and pile supported project features. 	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
June 2018	Unknown	\$4,900

PROJECT NO. 5**Project Name, Location, and
Owner's Contact Information:****Nature of Firm's Responsibility:**

Generator platforms were to be installed at seven locations including two pump stations, a lift station, three wastewater treatment plants, and a sewerage plant in St. John the Baptist Parish.

LOCATION	GENERATOR WEIGHT IN POUNDS	PROPOSED PLATFORM	PLATFORM DIMENSIONS
LaPlace Park Pump Station	47,500	Elevated	31'8" x 16'
Belle Grove Pump Station	10,000	Elevated	19' x 12'
Percy Hebert Lift Station	18,000	Grade Supported	20' x 10'
Garyville Wastewater Plant	10,000	Grade Supported	16' x 10'
Tigerville Wastewater Plant	10,000	Grade Supported	18' x 10'
Central Wastewater Plant	10,000	Grade Supported	19' x 14'
Wallace Sewerage Plant	10,000	Grade Supported	18' x 10'

**St. John The Baptist Parish
Proposed Generator Installations
at Seven Sites
St. John The Baptist Parish, Louisiana
Eustis Engineering Project No. 22398**

St. John The Baptist Parish Through
G.E.C., Inc.
8282 Goodwood Boulevard
Baton Rouge, Louisiana 70806
Robert P. Dugas Jr. @ 225-612-3000

Using available subsurface and geologic data, Eustis Engineering performed analyses to estimate the allowable load capacities for treated timber piles at the LaPlace Park Pump Station and to estimate the allowable soil bearing values for lightly loaded mat foundations at four additional sites.

Geotechnical investigations were performed at two of the seven sites (Central Wastewater Plant and Belle Grove Pump Station). These explorations included the drilling of one soil boring at each site to a depth of 50 feet below the existing ground surface. Available subsurface and geologic data were used for the remaining locations. Soil mechanics laboratory tests were performed on the samples collected in the field to evaluate the substrata at each location.

Engineering analyses for these locations were performed to estimate allowable soil bearing values for lightly loaded, grade supported mat foundations; and allowable pile load capacities for treated timber pile foundations. General site preparation and construction

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	recommendations, as well as estimates of settlement and differential settlement, were provided in our geotechnical report.	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
July 2014 (Actual)	Unknown	\$8,900



PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>St. John the Baptist Parish Ruddock Booster Station Nos. 1 and 3 Ruddock, Louisiana Eustis Engineering Project No. 22804</p> <p>St. John The Baptist Parish Through C. J. Savoie Consulting Engineers, Inc. Post Office Drawer R Paincourtville, Louisiana 70391 Joseph Savoie @ 985-369-2341</p>	<p>The new electrical buildings at Booster Station No. 1 and Booster Station No. 3 would each be raised 15 feet above existing grade to meet the FEMA flood elevation requirements. Timber piles were proposed to support the new platforms. The piles would be driven to existing grade and capped with a concrete slab. Columns would then be utilized to raise the building grade.</p> <p>The field exploration included one soil boring drilled to a depth of 100 feet below existing grade at each site using truck mounted equipment. Our staff coordinated site access with the station operators to minimize disruptions. Once our field operations were completed, the soil samples were transported to our laboratory where they were subjected to a series of soil mechanics laboratory tests to classify the subsoils and to determine their relative strength and compressibility characteristics.</p> <p>Foundation analyses for both locations included:</p> <ul style="list-style-type: none"> • site preparation recommendations; • effects of areal subsidence on the project; • allowable load capacities, in compression and tension, for various sizes and embedments of treated ASTM D25 quality timber piles; • estimated settlement of piles due to structural loads; • differential settlement considerations between pile supported and grade supported features; • pile installation recommendations; and • the effects of vibrations on nearby structures. <p>Separate geotechnical reports were prepared by engineering staff for each site.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
April 2015	Unknown	\$9,600

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish Lift Station G8-2 Tolmas Drive and West Esplanade Avenue Metairie, Louisiana Eustis Engineering Project No. 22583</p> <p>Jefferson Parish Through Barowka & Bonura Engineers & 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 had been 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"> • use of at-rest pressures to determine the structural requirements for any buried structures; • recommendations regarding stability of the structure against hydrostatic uplift; • base preparation recommendations for the valve pit foundation including the use of geotextiles, bedding requirements, and structural fill requirements; • allowable soil bearing values for the valve pit's mat foundation; • allowable load capacities, in compression and tension, for various sizes of treated ASTM D25 quality timber piles to support the proposed valve pit; • estimates of settlement and differential settlement for both mat and timber pile foundations; • excavation and dewatering recommendations associated with construction; and • effects of areal subsidence on the project. 	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
August 2014 (Actual)	Unknown	\$4,100

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish Sheriff's Office Lafitte Rathburn Tower Lafitte, Louisiana Eustis Engineering Project No. L0415</p> <p>Jefferson Parish Sheriff's Office Through M S Benbow and Associates Professional Engineering Corporation Suite 400 2450 Severn Avenue Metairie, Louisiana 70001 504-836-8925</p>	<p>A communications tower and associated guyed wire supports were to be constructed for the Jefferson Parish Sheriff's Office. Steel H-piles were proposed for support of the tower and guyed wires. The specific tower dimensions and anticipated loads were not available for the exploration.</p> <p>The site was located approximately 2,000 feet east of the intersection of LA Highway 3257 and Forges Street in Lafitte, Louisiana. The tower location was in a generally level lot with existing vegetation and a limestone driveway. Extensive standing water was observed at the site during drilling operations.</p> <p>One soil boring was made at the site to a depth of 125 with an all-terrain mounted, rotary type drill rig. This was to evaluate subsoil conditions and stratification, and to obtain samples of the various substrata.</p> <p>Soil mechanics laboratory tests, performed on samples obtained from the boring, were used to evaluate the physical properties of the subsoils. These tests included natural water content, unit weight, and either unconfined compression shear or unconsolidated undrained triaxial compression shear. In addition, Atterberg liquid and plastic limits tests were performed on selected representative samples.</p> <p>Engineering analyses, based on the soil boring and laboratory test results, were made to determine recommendations regarding site preparation, estimates of allowable vertical load capacities for steel H-piles, estimates of settlement, and general construction recommendations.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
June 2015 (Actual)	Unknown	\$8,600

PROJECT NO. 9	
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:
<p>Hancock County Emergency Operations Center MS Highway 603 Hancock County, Mississippi Eustis Engineering Project Nos. G0086 (.01) and G0097</p> <p>Hancock County Through Beta Testing and Inspection, LLC 2107 Nicholson Avenue Waveland, Mississippi 39576 Leo Rose @ 228-466-2556</p>	<p>A geotechnical investigation was performed for the proposed Emergency Operations Center on the corner of MS Highway 603 and County Road 416 in Kiln, Mississippi. The Center would include:</p> <ul style="list-style-type: none"> • an Emergency Operations Center building with a footprint of 130' x 170', • a Storm Preparedness Facility with a footprint of 70' x 140', • an entry lawn which would be used for emergency helicopter landings, and • a paved driveway with an aggregate surface parking lot. <p>The buildings were to be supported on either shallow or deep foundations. The column and tilt wall panels would have loads ranging from 50 to 250 kips. Less than 1 foot of fill would be required to raise the site to design grade.</p> <p>Four undisturbed soil borings and six auger borings were drilled at the project site. Two of the undisturbed borings extended to depths of 40 feet and the other two extended to 15 feet below the existing ground surface in the building areas. The auger borings were made to depths of 10 feet below the existing ground surface in the pavement areas. The borings were made at locations accessible to our truck mounted, rotary type drill rig.</p> <p>Once the field operations were completed, soil mechanics tests were performed on samples taken from the borings. Testing generally consisted of natural water content, unit weight, and unconfined compression shear.</p> <p>Foundation analyses and recommendations were based on data obtained from the soil borings and laboratory tests. Our recommendations included:</p> <ul style="list-style-type: none"> • the design of the structure to meet the minimum standards outlined in ASCE 7-05 and ASCE/SEI 24-05, and other applicable codes; • ground water management during and after construction; • site preparation including subgrade preparation; • recommendations for the composition, placement, and compaction of structural fill; • allowable soil bearing values for continuous grade beam footings and isolated square footings; • allowable load capacities, in both compression and tension, for treated ASTM D25 quality timber, square precast concrete piles, and augercast piles;

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	<ul style="list-style-type: none"> estimates of settlement and differential settlement; and recommendations for both flexible and rigid pavements. <p>To minimize post-construction settlement and allow some features to be supported at grade, Eustis Engineering recommended an earthen surcharge be implemented at the site. We provided an engineering technician to survey eight settlement plates and read six vibrating wire piezometers to evaluate the progress of the surcharge operations. The readings were performed twice per week for a period of two months. At the completion of the two-month period, Eustis Engineering transmitted the results of the instrumentation readings to the client.</p> <p>Our services during construction also included the performance of dynamic pile load tests, single-hole sonic logging, and pile integrity testing to evaluate the capacity and integrity of the job piles.</p> <p>The new \$2 million Emergency Operations Center was constructed through the FEMA Hazard Mitigation Grant Program with Hancock County matching \$500,000 in non-federal funding.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
December 2013 (Actual)	Unknown	\$37,190

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish Veterans Boulevard North and South Pump Stations Jefferson Parish, Louisiana Eustis Engineering Project Nos. 23396 (.01) and 24426</p> <p>Jefferson Parish Through ECM Consultants, Inc. Suite 200 1301 Clearview Parkway Metairie, Louisiana 70001 Sunina Shrestha, P.E. @ 504-885-4080</p>	<p>Two new drainage pump stations are proposed on the northern and southern sides of Veterans Memorial Boulevard at the 17th Street Canal. Each of these pump stations will discharge into the 17th Street Canal. Because of a planned bike path along the hurricane protection floodwall, these discharge pipes will need to penetrate the flood protection. As a result, plans called for the replacement of portions of the existing West 17th Street Canal I-walls (which cannot be penetrated and still comply with the U.S. Army Corps of Engineers' guidelines) with T-walls. Both pump stations would require demolition of approximately 20 feet of existing concrete I-wall for installation of the new T-wall to accommodate a discharge pipe through each wall. Access gates will also be provided as part of the floodwall modifications.</p> <p>Because of these modifications to the flood protection, a safety assurance review (SAR) was conducted by an independent reviewer. The SAR included a review of the plans and specifications, and design reports and calculations. Comments from the SAR were incorporated into the permit package submitted to the review agencies. The project plans have civil, structural, mechanical, and electrical components.</p> <p>For additional data at the site, Eustis Engineering used soil boring and laboratory test data contained in our own files from prior explorations as well as data obtained through a Freedom of Information of Act request to the U.S. Army Corps of Engineers (USACE).</p> <p>Engineering analyses for the evaluation of the proposed T-wall will follow the USACE's <u>Hurricane and Storm Damage Risk Reduction System Design Guidelines</u> dated June 2012. Global and local stability analyses will be performed to evaluate the design and construction of the T-wall, including temporary flood protection and temporary retaining structures. Stability analyses will also be performed to address construction dewatering requirements for the pump station excavation with respect to the existing and proposed flood protection.</p> <p>Our work will also include estimates of allowable axial pile load capacities for piles supporting the T-wall foundations as well as the pump station and discharge pipes. We will also perform analyses to evaluate the potential for seepage and heave during and after construction for the propose features. New generator pads will be located adjacent to each pump station to house controls outside the new intake excavation.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
May 2021 (Estimated)	Unknown	\$53,440

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. 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, 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, at the heart of Jefferson Parish. 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. This work history gives our engineering staff unparalleled familiarity with the foundation conditions in the Gulf Coast. 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 and more importantly through the east and west banks of Jefferson Parish. 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 with and without wick drains to enhance consolidation. These settlement studies include estimates and recommendations for lift construction affecting a gain-in-strength of foundation soils associated with subsoil consolidation. We also evaluate the use of alternative fill materials to minimize post-construction settlement.

Our capabilities extend to performance of deep-seated global stability analyses for structures levees, reinforced embankments, revetments, channel/canal slopes, and open excavations. We can also provide local and global stability analyses for temporary retaining structures implemented by the construction contractor. Our staff can also evaluate seepage and heave potential during and after construction.

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

Our staff coordinates well with local, state and federal agencies and is familiar with design requirements that may need to be implemented for certain project sites where other project stakeholders are involved, (e.g., USACE, LaDOTD, etc).

Staffing

Our engineering staff has 14 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
Professional Engineers (P.E.)			
Benjamin M. Cody	M.S. / Civil Engineering	20	24
Brian A. Deschamp	B.S. / Civil & Environmental Engineering	9	9
	B.A.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. / Civil Engineering	28	28
Shaun R. Simon	M.S. / Civil Engineering	21	21
Patrick A. Thurmond	M.S. / Engineering Management & Civil Engineering	6	6
	Coastal Engineering Certificate		
Sean G. Walsh	M.S. / Civil Engineering	9	14
Benjamin G. Weinberg ⁽¹⁾	B.S. / Civil & Environmental Engineering	1	8
	M.B.A. / Business Administration		
Henry C. Worley	B.S. / Civil Engineering	3	5
	Coastal Engineering Certificate		
Engineering Interns (E.I.)			
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 ⁽³⁾	B.S. / Civil Engineering	8	8
Joel R. Smith	B.S. / Civil Engineering	1	5

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
James M. Williams ⁽²⁾	M.S. / Civil Engineering	3	3
Engineering Graduates			
Lesley L. Reitmeyer	B.S. / Civil Engineering	12	12
Sean T. Smith ⁽³⁾	B.S. / Civil Engineering	5	5
Geologists			
Matthew J. Blasini	B.S. / Geology	1	2
Total Years of Experience		228	262

(1) P.E. registration outside Louisiana.

(2) Passed P.E. Exam, licensure pending one more year of experience.

(3) Long Term Subcontractor

Cone Penetration Testing Capabilities

Eustis Engineering maintains an inventory of 2.5, 5, and 10-ton digital Vertek cones pushed by two dedicated track mounted rigs capable of providing up to 20 tons of reaction or using the four Geoprobe rigs and anchors or other platforms to provide reaction. Five of our CPT rigs can be placed on a cargo buggy, airboat or shallow draft barge to access coastal marsh in open water with or without their typical platform, depending on capacity limits. Specifically, our equipment was designed with south Louisiana soil conditions in mind by having the capability to either install casing or use larger diameter rods to reduce the potential for rod buckling during operation. Our pushing platforms have been mounted to marsh buggy equipment to enable soundings in areas not accessible by conventional truck or track mounted vehicles. We have sounded to depths of 180 feet and can perform dissipation and seismic testing. Field testing is performed according to ASTM D5778 and common industry practices. Eustis Engineering has been performing and using CPT technology for more than 20 years.

Dynamic Pile Testing Capabilities

Eustis Engineering was the first private consulting firm to own and operate DPT 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® (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 piles driving in marine environments when the pile head descends below the water surface.

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.

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

Other Non-Destructive Testing Capabilities

Our engineering staff at Eustis Engineering performs other non-destructive testing services to verify the structural integrity of drilled shafts, augercast, 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 can also 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.

LABORATORY

Eustis Engineering's laboratory is constantly evolving with the purchase of new equipment on a yearly basis. Our glINT® data management software allows for maximum efficiency in production of boring and cone penetration test logs and data entry.

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

Eustis Engineering 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 will improve our laboratory's 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 laboratory includes ASTM, ACI, LaDOTD, AASHTO, FAA, and U.S. Army Corps of Engineers. Our laboratory is accredited by 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 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 AASHTO, 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 R18 and ASTM E329. These offices are in Metairie and Baton Rouge, Louisiana and Gulfport, Mississippi. 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.

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

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

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: 16 April 2021



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

Name:	Public Address:
Eustis Engineering L.L.C.	Ms. Kathy D. LeRouge 3011 28th Street Metairie,LA 70002

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0003558	ACTIVE	09/13/2006	03/31/2023	Mr. Benjamin Mcmillan Cody # PE.0030292 - Active
				Mr. Chad Lloyd Held # PE.0030257 - Active
				Mr. David Jacob Indest # PE.0034306 - Active
				Mr. James Johnathan Hance # PE.0031270 - Active
				Mr. Travis Russell Richards # PE.0030992 - Active
				Ms. Gwendolyn Philips Sanders # PE.0027104 - Active

Linfield, Hunter & Junius

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Professional Engineering Services to Provide Professional Mechanical and Electrical Engineering Services on an As-Needed Basis
Resolution No. 137248

(SURVEY ONLY)

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

LINFIELD, HUNTER & JUNIUS, INC.
3608 18th 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 18th 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 18th 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 (Licensed)	— 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.



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

TEC Professional Services Questionnaire

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

1. N/A

2.

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

YES ☐ NO ☐ N/A

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:

9



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



Professional Engineering Services to
Provide Professional Mechanical and
Electrical Engineering Services on an
As-Needed Basis
Resolution No. 137248



Subconsultant



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

Nathan J. Junius, P.E., P.L.S. (LH&J)
Project Manager / Surveying

Land Surveying

William J. Muller, P.L.S.
Senior Land Surveyor / Land Surveying
Team Leader

Wesley R. Eustis, P.E., P.L.S.
Survey Coordinator

Daniel D. Bindewald
Survey Party Chief

Paul H. Morales, IV
Survey Party Chief

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:

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

Project Assignment:

Civil Engineer/ Professional Land Surveyor

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 attended Tulane University from 1997-2001. After Graduating in May of 2001, Junius attended the University of Texas at Austin where he graduated with a MS degree in Civil Engineering in August of 2002 with an emphasis in Water Resource.

Junius has over 18 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, 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.

Mr. Junius also completed additional classes in the Nicholls State University Geomatics curriculum to further his land surveying knowledge. One of his largest surveying projects includes the hydrographic and topographic surveying for the Inner Harbor Navigation Canal (IHNC) Lake Borgne Surge Barrier which included over a mile and half of hydrographic surveying through the marsh including topographic surveying for two gates. Mr. 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. Mr. Junius has provided virtual reference



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

TEC Professional Services Questionnaire

Nathan J. Junius, P.E., P.L.S., PTOE, Vice President, Senior Civil Engineer
Project Assignment – Civil Engineer/ Professional Land Surveyor

Resume

station (VRS)/ real time kinematic (RTK) surveys and 3rd Order Levels for Control as well as hydrographic multibeam surveys. Mr. 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.

RELEVANT EXPERIENCE:

QA/QC of multibeam deliverables. Mr. Junius has provided virtual reference station (VRS)/ real time kinematic (RTK) surveys and 3rd Order Levels for Control as well as hydrographic multibeam surveys. Mr. 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.

Recent engineering and surveying projects include:

- Reserve Grain Elevator – St. John the Baptist Parish, LA
- Avondale Marine Facility – Jefferson Parish, LA
- Building 76 Reroof
- Pepsi CRC Roof Replacement
- MSY Airport Expansion – Kenner, LA
- PLD Administrative Complex – St. James Parish, LA
- Okonite Building – St. Charles Parish, LA
- Kenner 2030 Program – Kenner, LA
- MS. River to Lake Pontchartrain Bike Path and Bridge – JP, LA
- SLFPA-East Levee Lifts – Jefferson Parish, LA
- St. John Airport Hangar and Terminal Design – St. John Parish, LA
- Jesuit Bend Mitigation Bank – Plaquemines Parish, LA
- GIWW to Clovelly Hydrologic Restoration – Lafourche Parish, LA
- LPC 20.2 Foreshore Protection – Jefferson Parish, LA
- Grand About Vegetative Ridge Restoration – Plaquemines Parish, LA
- Saltwater Sill LaBranche Wetlands – St. Charles Parish, LA
- Pipeline Survey – Mississippi River Entergy Site – St. Francisville, LA
- Elevation Assistance Program – St. John the Baptist Parish, LA
- Algiers Lock Forebay Water Line Crossing – Orleans Parish, LA
- Levee Centerline and Cross Section Survey – LPV 109.02a from south of I-10 to CSX Tracks – Orleans Parish, LA
- Mississippi River Ventures Aggregate Yard – St. Charles Parish, LA

President, ACEC New Orleans Branch

Member of American Congress of Surveying and Mapping

Member of Louisiana Society of Professional Land Surveyors

Member of the New Orleans Chapter ASCE, Past President

Past President APWA

Member SAME


Member LES



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 12/06/2018, the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Nathan John Junius
3608 18th Street, Suite 20
Metairie, LA 70002

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Nathan John Junius		
License/Certificate Type - Number	Expiration Date	
PE.0031843	09/30/2021	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

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3608 18th Street, Suite 20
Metairie, LA 70002

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Nathan John Junius		
License/Certificate Type - Number	Expiration Date	
PLS.0004958	09/30/2021	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

William J. Muller, P.L.S., Registered Land Surveyor

Project Assignment:

Senior Land Surveyor / Land Surveying Team Leader

Name of Firm with which associated:

LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

16 Years

Education: Degree(s)/Year Specialization:

Southeastern Louisiana University / 1954

Active registration: Year first registered/discipline:

1995 / Land Surveying / LA License No. PLS. 0004756

Other experience and qualifications relevant to the proposed Project:

Muller has extensive experience in all aspects of land surveying throughout Louisiana. He was technical manager for the largest land survey firm in Southeast Louisiana for many years. Prior to that he worked in the offshore industry spotting well locations, run field crews for numerous Louisiana Power and Light topographic and boundary surveys, analyzed thousands of boundary surveys, and supervised multiple field crews, draftsmen and land surveys.

Following is a small sampling of Muller's experience:

- I-10 Metairie - Causeway to Orleans Parish Line - Topo & Right-of-Way
- I-10 Metairie - Clearview to Causeway - Topo
- I-10 Metairie - Veterans Memorial Blvd. to Clearview - Topo
- I-10 Kenner - Williams Blvd. Interchange - Topo & Right-of-Way
- US 190 - Mandeville - Causeway to State Park - Topo & Right-of-Way
- US 190 - Slidell - Fremaux Interchange - Topo & Right-of-Way
- US 190 - Slidell - Fremaux- 9th to I-10 - Topo & Right-of-Way
- I-10 Slidell - LA 433 to US 190 - Topo
- US 190 Slidell - US 11 to Thompson Rd. - Topo & Right-of-Way
- St. Tammany Parish East of Abita Springs - New Highway from LA 36 to LA 435 - Topo & Right-of-Way



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

TEC Professional Services Questionnaire

William J. Muller, P.L.S., Registered Land Surveyor

Resume

Project Assignment – Senior Land Surveyor / Land Surveying Team Leader

- LA 611 - Metairie Road - Topo & Right-of-Way
- I-10 New Orleans - S. Broad to St. Charles - Topo
- LA 3139 Earhart Blvd. - Jefferson/Orleans Parish Line to Clara St. - Topo & Right-of-Way
- Lakes Charles - McNeese/Airport - Right-of-Way



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


Revised 07/24/2015



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 12/06/2018, the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. William John Muller
7934 Barocco Drive
Harahan, LA 70123

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. William John Muller		
License/Certificate Type - Number	Expiration Date	
PLS.0004746	09/30/2021	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Survey Coordinator

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

16 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:

Since joining the firm, Eustis has been used extensively in the firms survey efforts. He has served as survey coordinator, party chief, rodman and draftsman. He has also performed computations and analysis of boundaries.

RELEVANT EXPERIENCE:

- Club Deluxe Road Widening, Hammond, LA
- US 61 Realignment Layout, Baton Rouge, LA
- Canal St. Topographic Survey, Metairie, LA
- East and West Livingston Place Topographic Survey, Metairie, LA
- St. Charles Ave. Topographic Survey, New Orleans, LA
- 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



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

TEC Professional Services Questionnaire

Wesley R. Eustis, P.E., P.L.S., Civil Engineer, Professional Land Surveyor Resume
Project Assignment –

- Shop Rite Tract1 & 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






LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 12/06/2018, the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Wesley Reid Eustis
3608 18th Street, Suite 20
Metairie, LA 70002

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Wesley Reid Eustis		
License/Certificate Type - Number	Expiration Date	
PE.0035537	09/30/2022	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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Metairie, LA 70002

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	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Wesley Reid Eustis		
License/Certificate Type - Number	Expiration Date	
PLS.0005225	03/31/2022	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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TEC Professional Services Questionnaire

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.

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. Construction cost was in excess of \$1.5 billion.



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

Daniel D. Bindewald, Survey Party Chief
Project Assignment – Survey Party Chief

Resume

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 ± 1.5 mm leveling surveys to tie the TBMs into the required vertical and horizontal datums. He also field 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.



TEC Professional Services Questionnaire

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

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.

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.



LINFIELD, HUNTER & JUNIUS, INC.

PROFESSIONAL ENGINEERS, ARCHITECTS AND SURVEYORS

TEC Professional Services Questionnaire

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

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



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

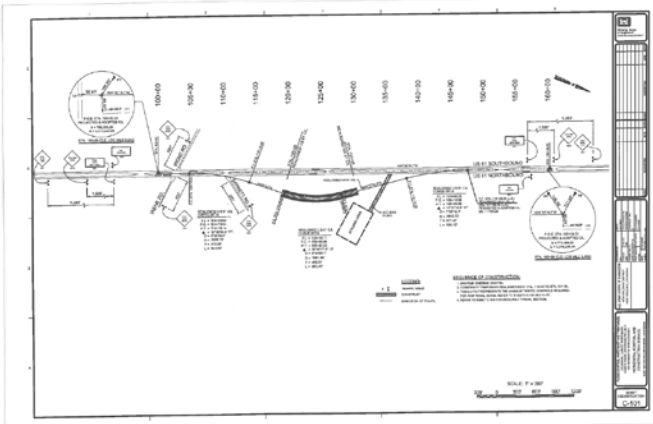

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Canal Street Roadway Improvements Topographic Survey</p> <p>Jefferson Parish Department of Capital Projects 1221 Elmwood Park Blvd., Suite 906 Jefferson, LA 70123 Neil D. Schneider, CCM, P.E. (504) 736-6833</p>  	<p>Linfield, Hunter & Junius, Inc. provided topographic surveying for Canal St. Roadway Improvements between the I-10 Service Rd. and the 17th Street Canal. The survey was used as the basis for the roadway improvements design.</p> <div data-bbox="1073 401 1541 682" style="border: 1px solid black; padding: 5px; background-color: #f0f0f0;"> <p><u>Key Relevant Features</u></p> <ul style="list-style-type: none"> ✓ Jefferson Parish Project ✓ Topographic Survey ✓ Differential Level for Project Benchmarks ✓ Baseline Establishment </div>  	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	\$54,500 (Topo Survey)	\$54,500 (Topo Survey)

TEC Professional Services Questionnaire

PROJECT NO. 2


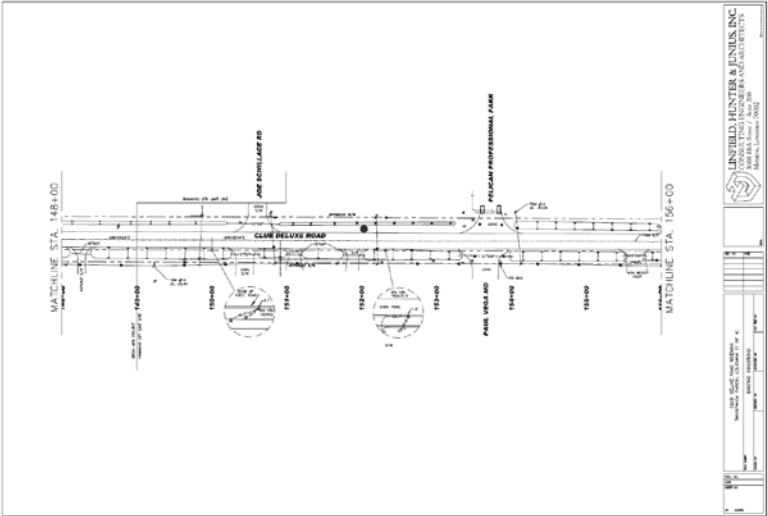

PROJECT NO. 2							
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:						
<p>Magazine Street Topographic Survey</p> <p>City of New Orleans Department of Public Works 1300 Perdido Street, Room 6W03 New Orleans, LA 70112 Alan Weber (504) 658-8209</p> <div style="text-align: center;">  </div>	<p>Linfield, Hunter & Junius, Inc. provided topographic surveying for Magazine Street Improvements between Broadway and Nashville. The survey was used as the basis for the roadway improvements design.</p> <div style="border: 1px solid gray; padding: 10px; margin: 10px 0; background-color: #f0f0f0;"> <p style="text-align: center;"><u>Key Relevant Features</u></p> <ul style="list-style-type: none"> ✓ Topographic Survey ✓ Differential Level for Project Benchmarks ✓ Baseline Establishment </div> <div style="text-align: center; margin: 10px 0;">  </div> <div style="text-align: center; margin: 10px 0;">  </div>						
<p style="text-align: center;">Completion Date (Actual or estimated):</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #0070C0; color: white;"> <th colspan="2" style="text-align: center; padding: 5px;">Estimated Cost:</th> </tr> <tr style="background-color: #0070C0; color: white;"> <th style="width: 50%; text-align: center; padding: 5px;">Entire Project:</th> <th style="width: 50%; text-align: center; padding: 5px;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 20px;"> <p>Ongoing</p> </td> <td style="text-align: center; padding: 20px;"> <p>\$175,000 (Topo Survey)</p> </td> </tr> </tbody> </table>	Estimated Cost:		Entire Project:	Work for which Firm was Responsible:	<p>Ongoing</p>	<p>\$175,000 (Topo Survey)</p>
Estimated Cost:							
Entire Project:	Work for which Firm was Responsible:						
<p>Ongoing</p>	<p>\$175,000 (Topo Survey)</p>						

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>US Highway 61 Bypass Road Construction Layout East Baton Rouge Parish, LA</p> <p>Shavers-Whittle Construction PO Box 1448 Mandeville, LA 70470 Chris Rayer (985) 626-7673</p>	<p>Linfield, Hunter & Junius, Inc. was a subcontractor to the General Contractor on the US Highway 61 Bypass Road in relation to the Amite River and Tributaries, La Comite River Basin, Comite River Diversion Project in Baton Rouge, LA. Linfield, Hunter & Junius, Inc. provided surveying services to the General Contractor which included Staking of the Project Baseline, Staking of the new roadway alignment as well as a benchmark loop for project control.</p> <div style="border: 1px solid gray; background-color: #f0f0f0; padding: 10px; margin: 10px 0;"> <p style="text-align: center;"><u>Key Relevant Features</u></p> <ul style="list-style-type: none"> ✓ Staking of New Roadway Alignment ✓ Differential Level for Project Benchmarks </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated	
	Entire Project:	Work for which Firm was Responsible:
2018	\$9,000 (Topo Survey)	\$9,000 (Topo Survey)


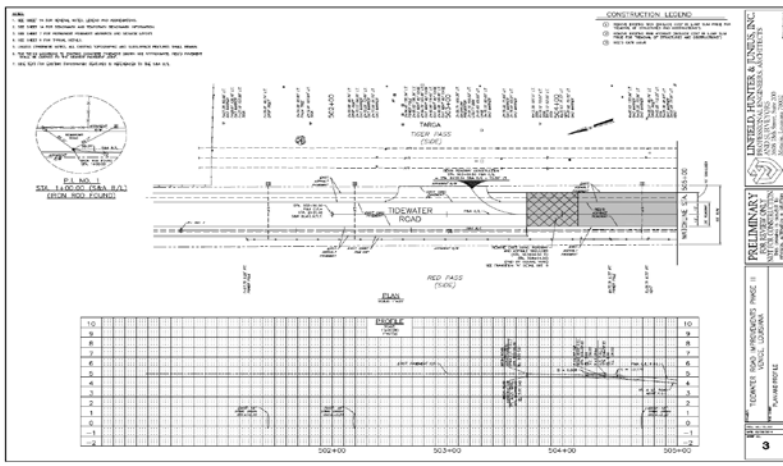
TEC Professional Services Questionnaire

PROJECT NO. 4

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Club Deluxe Road Right-of-Way and Topographic Survey</p> <p>Tangipahoa Parish P.O. Box 215 Amite, LA 70422 Wesley Danna (985) 340-9028</p> 	<p>Linfield, Hunter & Junius, Inc. prepared right-of-way maps and topographic surveying to Tangipahoa Parish for the widening of Club Deluxe Rd.</p> <div data-bbox="1071 367 1518 573" style="border: 1px solid gray; padding: 5px;"> <p>Key Relevant Features</p> <ul style="list-style-type: none"> ✓ Topographic Survey of Roadway ✓ Right of Way Survey ✓ Benchmark Loop </div>  	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
06/2014	\$30,500 (Topo Survey)	\$30,500 (Topo Survey)


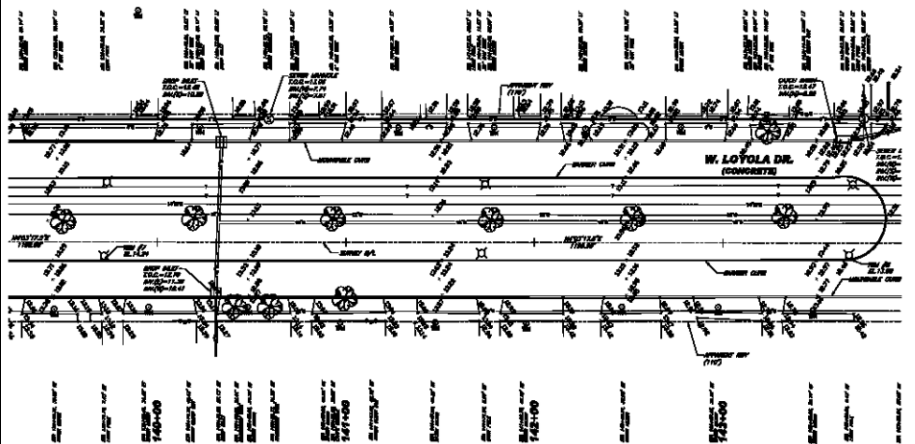
TEC Professional Services Questionnaire

PROJECT NO. 5

PROJECT NO. 5	
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
<p>Tidewater Road Topographic Survey</p> <p>Plaquemines Parish Government 333 F. Edward Hebert Blvd, Bldg 500 Belle Chasse, LA 70037 Ken Dugas (504) 934-6116</p> <div style="text-align: center;">  </div>	<p>Linfield, Hunter & Junius, Inc. provided topographic surveying for Tidewater Road Improvements in Plaquemines Parish. The survey was used as the basis for the roadway improvements design. Approximately 3 miles in total length.</p> <div style="text-align: center; margin-top: 20px;"> <div style="background-color: #cccccc; padding: 10px; border: 1px solid black;"> <p style="text-align: center;">Key Relevant Features</p> <ul style="list-style-type: none"> ✓ Topographic Survey ✓ Baseline Establishment ✓ Hydrographic Surveying </div> </div> <div style="text-align: center; margin-top: 20px;">  </div>
Completion Date (Actual or estimated):	Estimated Cost:
	Entire Project:
	Work for which Firm was Responsible:
2014	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>\$99,500</p> <p>(Topo Survey)</p> </div> <div style="text-align: center;"> <p>\$99,500</p> <p>(Topo Survey)</p> </div> </div>


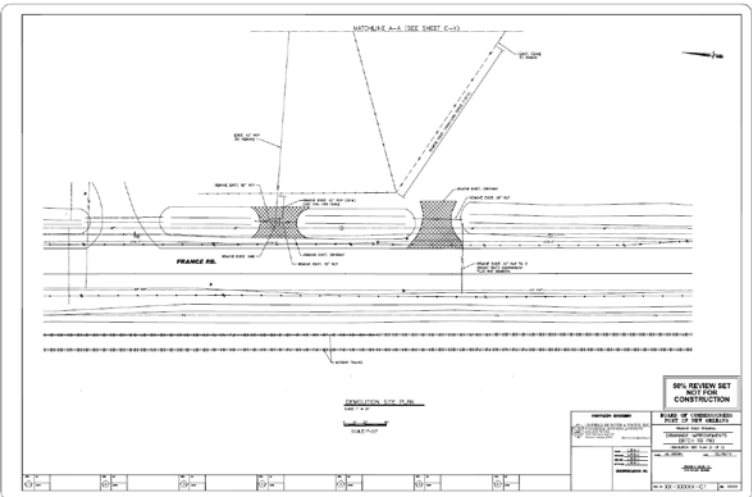

TEC Professional Services Questionnaire

PROJECT NO. 6

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>West Stanford and West Loyola Force Main Topographic and Right of Way Survey Kenner, LA</p> <p>City of Kenner Department of Public Works 1610 Rev. Richard Wilson Dr-Bldg D Kenner, LA 70062 Christine Calamari (504) 468-7515</p> <div style="text-align: center; margin-top: 20px;">  </div>	<p>Linfield, Hunter & Junius, Inc. provided topographic and right of way surveying to City of Kenner for the West Stanford and West Loyola Force Main rehabilitation.</p> <div style="text-align: center; margin-top: 20px;">  </div> <div style="background-color: #d9e1f2; padding: 10px; margin-top: 20px; border: 1px solid #00a0e3;"> <p style="text-align: center; margin: 0;"><u>Key Relevant Features</u></p> <ul style="list-style-type: none"> ✓ Topographic and Right-of-way Surveys ✓ Baseline Establishment ✓ Differential Level for Project Benchmarks ✓ Apparent ROW </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012	\$48,000 (Topo Survey)	\$48,000 (Topo Survey)

TEC Professional Services Questionnaire

PROJECT NO. 7

PROJECT NO. 7							
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:						
<p>France Road Rehabilitation</p> <p>Port of New Orleans 1350 Port of New Orleans Place New Orleans, LA 70130 Michael Sulser (504) 528-3390</p> <div style="text-align: center; margin-top: 20px;">  <p>PORT NOLA THE PORT OF NEW ORLEANS</p> </div>	<p>Linfield, Hunter & Junius, Inc. provided topographic surveying for the France Road Rehabilitation for the Port of New Orleans Facility. The survey was used as the basis for rehabilitation design.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; background-color: #f0f0f0;"> <p style="text-align: center;">Key Relevant Features</p> <p>✓ Topographic Survey</p> </div> <div style="text-align: center; margin-top: 20px;">  </div> <div style="text-align: center; margin-top: 20px;">  </div>						
<p style="text-align: center;">Completion Date (Actual or estimated):</p> <p style="text-align: center; margin-top: 20px;">2010</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #0070C0; color: white;"> <th colspan="2" style="text-align: center; padding: 5px;">Estimated Cost:</th> </tr> <tr style="background-color: #0070C0; color: white;"> <th style="width: 50%; text-align: center; padding: 5px;">Entire Project:</th> <th style="width: 50%; text-align: center; padding: 5px;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 10px;"> <p>\$15,000 (Topo Survey)</p> </td> <td style="text-align: center; padding: 10px;"> <p>\$15,000 (Topo Survey)</p> </td> </tr> </tbody> </table>	Estimated Cost:		Entire Project:	Work for which Firm was Responsible:	<p>\$15,000 (Topo Survey)</p>	<p>\$15,000 (Topo Survey)</p>
Estimated Cost:							
Entire Project:	Work for which Firm was Responsible:						
<p>\$15,000 (Topo Survey)</p>	<p>\$15,000 (Topo Survey)</p>						

TEC Professional Services Questionnaire

PROJECT NO. 8						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Livingston Place Roadway Improvements Topographic Survey Metairie, LA</p> <p>Jefferson Parish Department of Capital Projects 1221 Elmwood Park Blvd, Suite 906 Jefferson, LA 70123 Neil D. Schneider, CCM, P.E. (504) 736-6833</p> <div style="text-align: center; margin-top: 20px;">  </div>	<p>Linfield, Hunter & Junius, Inc. provided topographic surveying for East & West Livingston Street Improvements. The survey was used as the basis for the roadway improvements design.</p> <div style="float: right; background-color: #d3d3d3; padding: 10px; border: 1px solid #ccc; margin-top: 10px;"> <p style="text-align: center; margin: 0;">Key Relevant Features</p> <ul style="list-style-type: none"> ✓ Jefferson Parish Project ✓ Topographic Survey ✓ Differential Level for Project Benchmarks ✓ Baseline Establishment </div> <div style="margin-top: 20px;">  </div> <div style="margin-top: 20px;">  </div>					
<p>Completion Date (Actual or estimated):</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #00a0e3; color: white;"> <th style="width: 35%; padding: 5px;">Entire Project:</th> <th style="width: 65%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 10px;">2008</td> <td style="text-align: center; padding: 10px;"> <p>\$38,000 (Topo Survey)</p> </td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	2008	<p>\$38,000 (Topo Survey)</p>
Entire Project:	Work for which Firm was Responsible:					
2008	<p>\$38,000 (Topo Survey)</p>					

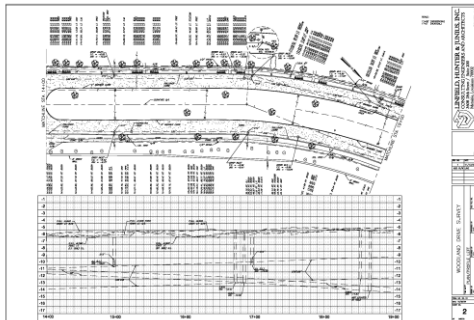
TEC Professional Services Questionnaire

PROJECT NO. 9

Project Name, Location and Owner's contact information:

Woodland Highway Right-of-Way and Topographic Survey

City of New Orleans
Department of Public Works
1300 Perdido Street, Room 6W03
New Orleans, LA 70112
Nguyen Phan
(504) 658-8000

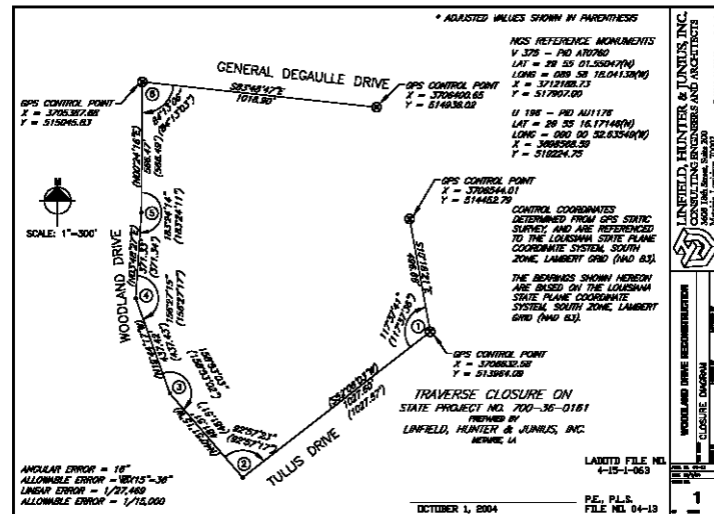
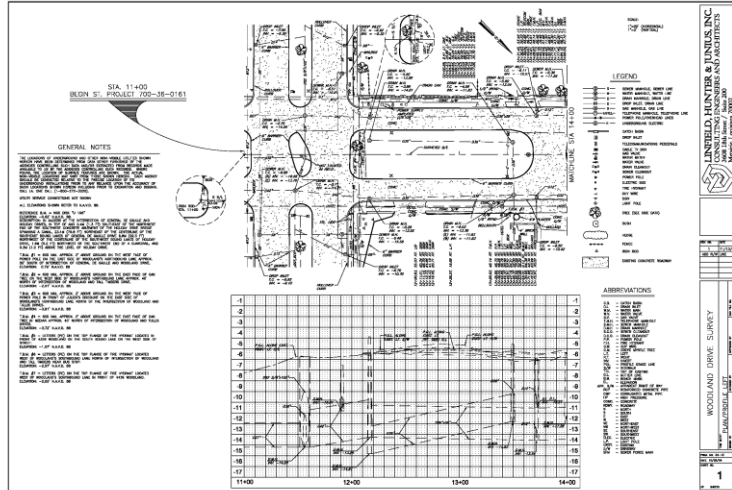


Nature of Firm's Responsibility:

Linfield, Hunter & Junius, Inc. prepared right-of-way maps and topographic surveying to LADOTD for the reconstruction of Woodland Highway. Approximately 1,700 feet in length.

Key Relevant Features

- ✓ Topographic Survey
- ✓ Traverse Closure
- ✓ Benchmark Loop



Completion Date (Actual or estimated):

2008

Estimated Cost:

Entire Project:


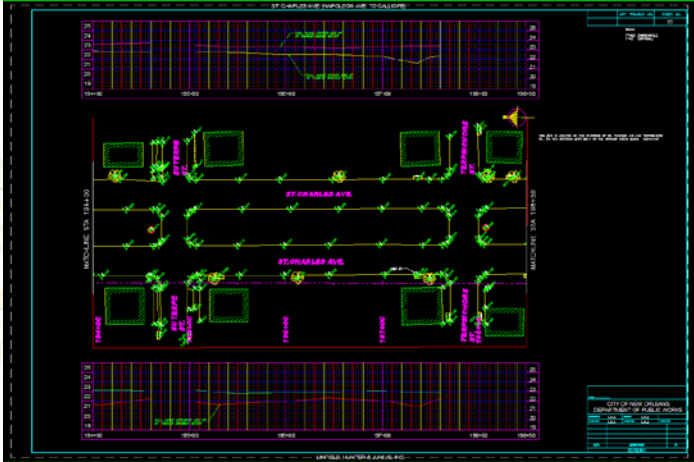
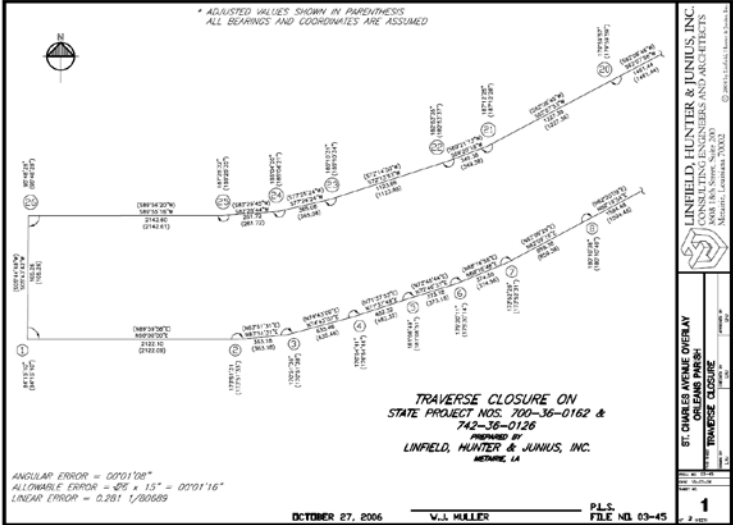
\$100,000
(Topo Survey)

Work for which Firm was Responsible:

\$100,000
(Topo Survey)

TEC Professional Services Questionnaire

PROJECT NO. 10

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>St. Charles Avenue Overlay Napoleon Avenue to Callopie Street Topographic Survey</p> <p>City of New Orleans Department of Public Works 1300 Perdido Street, Room 6W03 New Orleans, LA 70112 Alan Weber (504) 658-8209</p> 	<p>Linfield, Hunter & Junius, Inc. provided topographic surveying for the overlay at St. Charles Avenue between Napoleon Avenue and Callopie Street. The survey was used as the basis for the roadway improvements design.</p> <div data-bbox="857 415 1317 604" style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p style="text-align: center;">Key Relevant Features</p> <ul style="list-style-type: none"> ✓ Topographic Survey ✓ Traverse Closure ✓ Baseline Establishment </div>  	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2006	\$46,000 (Topo Survey)	\$46,000 (Topo Survey)

TEC Professional Services Questionnaire

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

Parties		Status/Result of Case:
Plaintiff:	Defendant:	
1. None		
2.		
3.		

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. has more than (60) years experience providing quality design professional services to public and private clients in New Orleans and the surrounding area. The firm has been performing full topographic surveys for over twenty (20) years. The following is a list of some of our major Clients which we have provided land surveying services:

Public

- Jefferson Parish Department of Public Works
- LA Department of Transportation and Development
- 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
- St. Tammany School Board
- City of Hammond
- Tangipahoa Parish
- City of Baton Rouge
- University of New Orleans

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 statewide



SCOPE OF CONTRACT SERVICES

LH&J has been providing surveying services as a prime consultant for many years, successfully completing hundreds of projects for public agency clients such as the Jefferson Parish, Sewerage & Water Board of New Orleans, the U. S. Army Corps of Engineers, the Port of New Orleans, the City of New Orleans, Plaquemines Parish Government, LA DOTD and many others. The key management staff of Linfield, Hunter & Junius, Inc. have been recognized by their peers for their professionalism, expertise and leadership. Our land surveying department has the full capacity to perform **topographic**, boundary, ALTA and hydraulic surveys of any size.

LH&J employs **three full time Registered Professional Land Surveyors** and maintains **six 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 boundary, **topographic**, bathymetric, right-of-way, control, and hydrographic 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.

See attached for a copy of our Certificate of Insurance which shows proof of our professional liability insurance with the limits as required by the RFP. Also attached is a copy of our current professional licenses.

MINIMUM PERSONNEL REQUIREMENTS

- 1. The persons or firms under consideration shall have at least one (1) principal who is a licensed, registered professional engineer in the State of Louisiana**
This requirement will be fulfilled by the Prime Consultant.
- 2. The persons or firms under consideration shall have a professional in charge of the Project who is a licensed, registered professional mechanical or electrical engineer in the State of Louisiana with a minimum of five (5) years' experience**
This requirement will be fulfilled by the Prime Consultant.
- 3. The persons or firms under consideration shall have one (1) employee who is a licensed, registered professional mechanical or electrical 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**
This requirement will be fulfilled by the Prime Consultant.

Supplemental Services – Surveying

Linfield, Hunter & Junius, Inc. (LH&J) employs **three full time Registered Professional Land Surveyors** and maintains **six 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



TEC Professional Services Questionnaire

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.

The following list highlights this experience:

- Nathan J. Junius, P.E., P.L.S., PTOE/Professional Land Surveyor – 198 years of land surveying experience

LAND SURVEYING

William J. Muller, P.L.S./Land Surveyor – Over 40 years of surveying experience

Nathan J. Junius, P.E., P.L.S., PTOE/Land Surveyor – 19 years of surveying experience

Wesley R. Eustis, P.E., P.L.S. – 16 years of land surveying experience

Resumes for the above personnel are included in Section L of this TEC Questionnaire.

Capabilities include the following and more:

- **Topographic Surveying** (determine relative positions & elevations of natural & man-made features)
- **Drone Surveying** (detailed & expedient multi-acre data-capturing surveying)
- **Property, Boundary, and Right-of-Way Surveys** (preparation of Legal Descriptions, property, **Maps, Cross-Sections, and Data Sets** (plan drawings, maps, diagrams, and data sets))
- **3D Laser Scanning** (unify raw data & model)
- **Benchmarks** (establishment of permanent, temporary, and construction benchmarks)
- **Construction-Related Surveying** (all types)
- **Bathymetric / Hydrographic Surveys** (determine shoreline and depths of bodies of water)
- **Builder's Package** (includes *Boundary Survey & Construction Benchmark, Form Board Certificate, Top of Slab Certificate, & Final FEMA Elevation Certificate*)
- **ALTA Surveys** (American Land Title Association-compliant surveys) and ROW maps to define project boundaries and for acquisition of property)

EVALUATION CRITERIA

1. Professional Training and Experience

Linfield, Hunter & Junius, Inc. (LH&J) has been a provider of quality professional engineering and architectural services for over 60 years and **full land surveying services** for over 20 years. LH&J has been providing services as a prime consultant for many years, successfully completing thousands of projects for clients such as Jefferson Parish, LA DOTD, the Corps of Engineers, the Port of New Orleans, the City of New Orleans, Sewerage and Water Board of New Orleans, Plaquemines Parish Government, and many others. LH&J provides CADD Drafting (**AutoCADD** and **MicroStation**) and Quality Assurance Services for all its land surveying services.



TEC Professional Services Questionnaire

We have been providing very complicated survey services to the U.S. Army Corps of Engineers that conform to all Government requirements for over ten years for many flood protection projects. 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.

2. Size of Firm

The size of our firm is ideal for projects such as the proposed project because:

- The firm has a vast amount of experience in land surveying
- 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
- The firm has a total annual land surveying **capacity of \$2,000,000.**

Within the past five (5) years the firm has designed, administered, and managed over \$5 Million in land surveying. Depending on the scope of work required by Jefferson Parish, LH&J will assemble a team that will be able to commit to the project

3. Capacity for Timely Completion of the Project

Linfield, Hunter & Junius, Inc. (LH&J) currently employs forty-six (46) highly qualified design professionals, and has been providing quality engineering services in Southeast Louisiana for over thirty (30) years.

4. Past and Current Professional Accomplishments

Since placing an increased emphasis on land surveying services, Nathan Junius has completed over \$17,000,000 in land surveys for in-house designs and others. Services to date have included **property surveys, right of way maps, property taking**, bench leveling, topographic surveys, construction layout surveys and settlement monitoring surveys. A sampling of work to date includes bench leveling for calibration of pumping station gages for Jefferson Parish, topographic surveys for Canal Street Reconstruction in Jefferson Parish, East and West Livingston Drive Reconstruction, Russell Street Reconstruction, Woodvine and Cuddihy Streets Reconstruction, Magazine Street Reconstruction, Geisenheimer Canal Improvements, Labarre Business Park Drainage Improvements, Sewerage Extensions - West Pointe a la Hache to Bohemia, Lake Hermitage Waterline, Metairie Small Animal Hospital, Waterline Extension - Russell Drive to Cedar Grove, Sewage Force Main Replacement Lift Station No. 8 to Belle Chasse Sewage Treatment Plant, and Sewage Force Main Extension - Lift Station No. 7 to Lift Station No. 8 Belle Chasse, Slidell Vo-Tech Site Plan, Metairie Road Bridge Control Survey, Hoey's Bypass Canal Alignment Study, Right of Way Study Metairie Road Bridge, Right of Way Study Hoey's Cut, Vertical Response of Nashville Dock Repair to Crane Loading, Right of Way Survey Maple Ridge Drive Detour, Topographic Right of Way and Boundary Survey Metairie Road Drain Line Relocation, Lexus of New Orleans Topographic Survey, , Children's Hospital Parking Lot Survey, Louisville and Catina Streets Topographic Survey, and Woodlawn Avenue Topographic Survey.



TEC Professional Services Questionnaire

LH&J has been providing quality surveying services to Jefferson Parish, LA DOTD, the City of New Orleans, U.S. Army Corps of Engineers and many more for over 10 years and we have performed engineering projects for LA DOTD for over the last 30 years. We have an excellent track record of providing Government with high quality surveying services which are cost effective and completed in a timely manner. We have also prepared surveys throughout the Southeast U.S. for CVS/Pharmacies with over 500 potential building sites investigated since 2004. These and other long-term client relationships are a testament to LH&J's dedication to providing high quality services for reasonable prices in a timely manner that meets or exceeds all customer expectations.

5. Location of Principal Office Where Work Will Be Performed

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



6. Adversarial Legal Proceedings

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

7. Prior Successful Completion of Projects of the Type and Nature of the 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 drainage projects which are similar to the scope of work of this project and in the same geographical area.

- Full Topographic Survey, Canal Street – Client: Jefferson Parish Government
- Full Topographic Survey, East and West Livingston Drive – Client: Jefferson Parish Government
- Full Topographic Survey, Russell Street – Client: Jefferson Parish Government
- Full Topographic Survey, Woodvine and Cuddihy Streets – Client: Jefferson Parish Government



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

TEC Professional Services Questionnaire

- Full Topographic Survey, Magazine Street, New Orleans – Client: City of New Orleans, Dept. of Public Works
- Full Topographic Survey, Woodland Highway Survey (LA407) – Client: LA Dept. of Transportation and Development
- Full Topographic Survey, 17th Street Canal Survey (LA 611), Jefferson/Orleans Parish, LA – Client: U.S. Army Corps of Engineers
- Full Topographic Survey, Club Deluxe Road Widening Survey (LA Hwy 51), Tangipahoa Parish, LA – Client: Tangipahoa Parish
- Full Topographic Survey, W. Stanford, W. Loyola Force Main Survey, Kenner, LA – Client: City of Kenner, Dept. of Public Works
- Full Topographic Survey, St. Charles Avenue Overlay (State Project 700-36-0162) – Client: City of New Orleans, Dept. of Public Works
- Full Topographic Survey, Magazine Street Reconstruction (State Project 742-36-137 and 742-36-0139) – Client: City of New Orleans, Dept. of Public Works

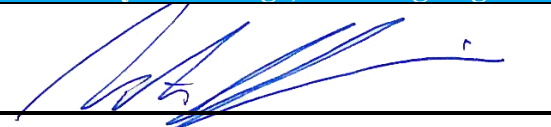
Closing Statement

We are extremely interested in this solicitation.

- **Linfield, Hunter & Junius, Inc. has extensive experience in providing land surveying services including property surveys, ROW Maps and Title Take-Off on projects in the State of Louisiana and particularly the Southeastern portion of the state.**
- **Linfield, Hunter & Junius, Inc. has the capacity to easily absorb the survey services included in this project assignment.**

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., PTOE

Title: Vice President

Date: April 21, 2021



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

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

Name: Public Address:
Linfield, Hunter & Junius, Inc. 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: Public Address:
Linfield, Hunter & Junius, Inc. 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

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