

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

B. Firm Name & Address:

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"/> Geotechnical Engineers	<input type="checkbox"/> Graduate Engineers
<input type="checkbox"/> Civil Engineers	<input type="checkbox"/> Interior Designers	<input type="checkbox"/> Project Managers
<input type="checkbox"/> Construction Inspectors	<input type="checkbox"/> Landscape Architects	<input type="checkbox"/> Clerical
<input type="checkbox"/> Ecologists	<input type="checkbox"/> Land Surveyor	<input type="checkbox"/> Grant/Funding Specialist
<input type="checkbox"/> Electrical Engineers	<input type="checkbox"/> Mechanical Engineers	<input type="checkbox"/> Sanitary Engineers
<input type="checkbox"/> Engineer Intern	<input type="checkbox"/> Environmental Engineers	
<input type="checkbox"/> Professional Land Surveyors	4 CAD Technicians	<input type="checkbox"/> TOTAL

*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 and Director of Municipal and Industrial Projects / Electrical Engineer

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

Jefferson Parish Department of Public Works - Elizabeth and Utica Sewer Lift Station

Designed and specified electrical power and SCADA systems for a new Sewer Lift Station with (2) submersible electric pumps for Jefferson Parish. Design included provisions for the connection of a portable generator, a pneumatic, "bubbler type" level monitoring and control system, and SCADA communications equipment per the parish's standard design guidelines.

Jefferson Parish Department of Drainage - Hero Pump Station - Standby Power Automation Designed 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 included 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 was the Prime Consultant for this project, and Paul also served as the Project Manager during construction.

Jefferson Parish Department 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 Department of Drainage - Veterans Boulevard Pumps

Designed and specified 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 included 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. Design also included provisions for the connection of a roll-up generator to feed the old plant. IMC acted as the Prime Consultant for this project.

Jefferson Parish Department 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.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/23/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	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	03/31/2024
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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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 and Electrical Department Head / Quality Assurance

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 a 10,000 sq-ft new 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 Boulevard 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 knocked 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 Boulevard Decorative Lighting (Foot of the 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 knocked 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.

Marrero Wastewater Treatment Plant Administration Building

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

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.

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.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 1/11/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	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	09/30/2024	
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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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 and 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-foot 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 back flow 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-wide Siemens Design energy management system migration was provided.

Jefferson Parish West Bank Regional Library

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 was replaced to accommodate relocated restrooms and reconfigured ceilings. Modifications to the sprinkler system riser and distribution piping were designed to provide and double-check back flow 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 also included the disconnection, raising and reconnection of an existing generator unit to minimize the risk of damage during a flood condition.

Jefferson Parish HVAC Upgrades 11 Sites

With funds secured through a State OCD HVAC Block Grant, IMC designed replacement systems and the associated electrical modifications for 11 Jefferson Parish sites' HVAC equipment. IMC provided request for proposal bid document specifications of equipment ranging from 2 to 20 ton capacity which included both packaged & split systems.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/31/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Matthew David Wender
2714 Independence Street
Metairie, Louisiana 70006

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	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	03/31/2025
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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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
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:

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

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

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 for 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.

Elmwood Drainage Pump Station, Jefferson Parish

Supervised and acted as the Professional of Record for the mechanical system design. This project is a multi-year, on-going, project that consists 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 are being replaced. The design includes 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 has been designed in phases to replace two units at a time so as not to drastically reduce the pumping capacity of the station.

Parish Line Pumping Station, Jefferson Parish

Supervised and acted as the Professional of Record for the design of the mechanical systems associated with an addition to the existing drainage station. The project consisted of a new structure adjacent to the existing station for the purpose of housing a single, diesel-engine driven vertical pump. Designs included provisions for expanding the new structure to include three future pumps, for a total of four pumps in the station addition. Mechanical design included additions and modifications to the existing fuel storage and transfer system, a new fuel polishing system, a compressed air system for diesel engine starting and discharge tube valve actuation, domestic water service modifications, an emergency raw-water system, gear oil cooler piping, and bearing water piping. Design also included piping to and from keel coolers submersed in the suction basin for engine cooling and exhaust piping from the diesel engine to the silencer mounted on the exterior of the station.

Westminster Pumping Station Generator Building, Jefferson Parish

Provided quality assurance review of all mechanical work associated with design of mechanical systems to support a 2.5MW generator. Mechanical systems included ventilation systems, fuel oil storage/transfer pumping/piping, compressed air storage and piping, and engine cooling water systems.

Mount Kennedy Pumping Station, Jefferson Parish

Provided quality assurance review of all mechanical work associated with pumping station design, which entailed 3-200 H.P. motor-driven pumps.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 1/11/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Eugene Fallis Higbee III
2714 Independence Street
Metairie, Louisiana 70006

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	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	09/30/2024	
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:

Project Assignment:

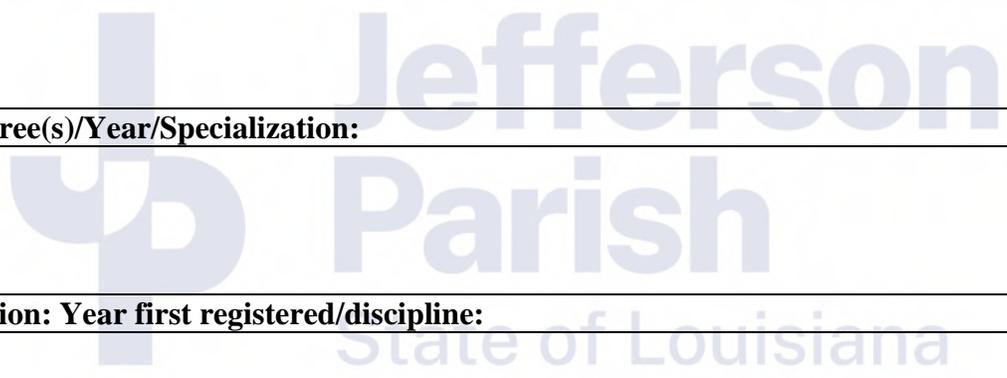
Name of Firm with which associated:

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:



**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 was an expansion to the existing pump station located at the Parish Line Canal. A single drainage pump was being added in a new building. The project was 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 Wastewater Treatment Plant Renovations

This project was a renovation of Kenner Wastewater 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.

Westminster Pumping Station Generator Building

The design included compressed air, fuel storage and distribution systems to support the 2.5 mega watt generator. The design consisted of compressed air for engine starting, a 40,000-gallon fuel oil storage system with transfer pumps and distribution piping, engine exhaust piping, engine cooling system, instrument air, domestic water and well water (750 ft. well), and sewerage piping.

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.		
2.		
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 during that time. Relevant projects include MEP design for municipal, military, recreational, and emergency facilities. Specific to Jefferson Parish, IMC has designed and administered the construction for mechanical and/or electrical systems for the Yenni Building Generator Platform, Yenni Building Cooling Tower Replacement, and the addition of the standby of 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, operation costs, and the serviceable life that the systems are expected to provide.

1. PROFESSIONAL TRAINING AND EXPERIENCE

IMC Consulting Engineer's licensed Electrical staff includes Richard Nichols, P.E. (Principal, 30+ years of experience), Paul Vlosich, P.E. (Principal, 25+ years of experience), and Eric Schlosser, P.E. (10+ years of experience). IMC also employs Electrical Designers Daniel Walker (30+ years of experience) and Garrett Fried (5+ years of experience).

IMC's licensed Mechanical staff includes Eugene "Chip" Higbee, P.E. (Principal, 30+ years of experience), Matt Wender, P.E. (Principal, 15+ years of experience), Joseph Garon, P.E. (5+ years of experience), and Matthew Garon, P.E. (5+ years of experience). IMC also employs Mechanical Designers Russell Troncoso (3+ years of experience) and Quynh Nguyen. On a part-time basis, Louis Pastor, CIPE/CPD (40+ years of experience) continues to provide IMC with design assistance on selected projects. Louis specializes in plumbing engineering and is certified in that area.

N. (continued) Use this space to provide any additional information or description of resources supporting firm's qualifications for the proposed project:

All of IMC Engineers and Designers provide field observation & inspection of projects under construction on a regular basis.

All of our Engineers and Designers are required to obtain a minimum of 15 hours of professional development training each year, 8 of which must be associated with life safety training (NFPA 101, IBC, NFPA 72, NFPA 13, etc.), and at least 1 hour in professional ethics.

IMC is presently utilizing AutoCAD & Revit drafting software and a custom- designed template specifically tailored to electrical and mechanical system drafting. The original template was designed in 1988 and continues to be upgraded by IMC CAD personnel. IMC utilizes MS Word processing software for specifications and general correspondence and utilizes Microsoft Excel electronic spreadsheet for efficient calculations and tabulation of data.

2. SIZE OF FIRM

IMC is an 19-person firm specializing in Mechanical and Electrical design services. Our firm has relatively low overhead and prides itself on productivity. 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 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 10% 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.

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 Jefferson Parish personnel, Mr. Ryan Babcock (General Services) and Mr. Mark Drewes (Director of Public Works). 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, 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. IMC has 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.

N. (continued) Use this space to provide any additional information or description of resources supporting firm's qualifications for the proposed project:

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.



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

Signature: Paul S. Vlosich **Print Name:** Paul S. Vlosich

Title: Principal and Director of Municipal Projects **Date:** 3/31/2023

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

Name:	Public Address:
IMC Consulting Engineers, Inc.	2714 Independence Street Metairie, Louisiana 70006

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001470	Active	11/17/1988	03/31/2025	Mr. Eugene Fallis Higbee III # PE.0026162 ; Mr. Richard Earl Nichols # PE.0025896

IMC

CONSULTING ENGINEERS

INC.

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.
3. Structural: Basin LLC, Engineering and Surveying

Eustis Engineering L.L.C.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 23-007
Miscellaneous Mechanical and Electrical Engineering Services

B. Firm Name & Address:

Eustis Engineering L.L.C.
3011 28th 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:

<u>12</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> 2 </u> Geologists	<u> </u> Structural Engineers
<u> </u> Chemical Engineers	<u> 14 </u> Geotechnical Engineers	<u> 1 </u> Graduate Engineers
<u> </u> Civil Engineers	<u> </u> Interior Designers	<u> </u> Project Managers
<u> </u> Construction Inspectors	<u> </u> Landscape Architects	<u> 8 </u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u> 2 </u> Engineer Intern	<u> </u> Environmental Engineers	<u> 40 </u> Other
<u> </u> Professional Land Surveyors		<u> 75 </u> TOTAL

F. Is this submittal is 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. Not applicable.

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. Not Applicable.		
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, clerical, and engineering staff. More employees can be added, as necessary, to complete any 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:

Gwendolyn P. Sanders, P.E. / President

Project Assignment:

Project Principal

Name of Firm with which Associated:

Eustis Engineering L.L.C.

Years' Experience with This Firm:

30

Education: Degree(s)/Year/Specialization:

Master of Science / 1992 / Civil Engineering
Bachelor of Science / 1990 / Civil Engineering

Active Registration: Year First Registered/Discipline:

Louisiana: 1997 / Civil Engineering
Mississippi: 2003 / Engineering
Texas: 2020 / Civil Engineering

Other Experience and Qualifications Relevant to the Proposed Project:

Mrs. Gwendolyn P. Sanders began her professional career with Eustis Engineering in 1993. Over the past 30 years, she has worked her way up through the ranks of the engineering department including Associate Engineer, Project Engineer, Project Manager, and Engineering Manager. She has been on Eustis Engineering's Board of Directors since 1997. In 2020, Mrs. Sanders became Eustis Engineering's first woman President after previously serving as a Vice President and Executive Vice President. As President, she is responsible for day-to-day business operations including quality, safety, marketing, and long-term strategic growth. She also still actively participates in the engineering design and review processes.

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 investigations, assigning laboratory testing, performing geotechnical engineering analyses, preparing detailed reports with engineering analyses and recommendations, reviewing reports prepared by other professionals, coordinating construction phase services, and consulting with clients. Much of her work experience consists of identifying soil properties, developing criteria for design of foundations, and determining an appropriate foundation to support the structure under consideration.

In 2017, Mrs. Sanders served as Program Advisor for the Deep Foundations Institute's 42nd annual conference. She has twice been named one of the 50 Women of the Year by New Orleans CityBusiness, first in 2017 and again in 2021. In 2022, she was recognized as the Outstanding Civil Engineer of the Year by both the New Orleans Branch and Louisiana Section of the American Society of Civil Engineers (ASCE). She is currently serving as an associate member of the ASCE Standards Committee for the Design of Foundations. She has a keen eye for detail and is a stickler for quality. Her work

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:

Gwendolyn P. Sanders, P.E. / President

ethic, combined with her communication skills, translate to Mrs. Sanders' ability to deliver successful geotechnical engineering projects to her clients.

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

- Jefferson Parish Sheriff's Office – First District Station, 3620 Hessmer Avenue, Metairie, Louisiana
- Jefferson Parish Sheriff's Office – Lafitte Rathburn Tower, Lafitte, Louisiana
- Jefferson Parish – Veterans Boulevard North and South Pump Stations, Jefferson Parish, Louisiana
- St. John the Baptist Parish – Ruddock Booster Station Nos. 1 and 3, Ruddock, Louisiana



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 11/10/2021 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Ms. Gwendolyn Philips Sanders
3011 28th Street
Metairie, Louisiana 70002

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	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	09/30/2023
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:
Benjamin M. Cody, P.E. / Principal Engineer
Project Assignment:
Project Manager
Name of Firm with which Associated:
Eustis Engineering L.L.C.
Years' Experience with This Firm:
21
Education: Degree(s)/Year/Specialization:
Master of Science / 1999 / Civil Engineering Bachelor of Science / 1996 / Civil Engineering
Active Registration: Year First Registered/Discipline:
Louisiana: 2002 / Civil Engineering Mississippi: 2007 / Engineering Texas: 2014 / Civil Engineering Florida: 2001 / Engineering Alabama: 2003 / Engineering Arkansas: 2014 / Engineering
Other Experience and Qualifications Relevant to the Proposed Project:
<p>From 1993 to 1994, Mr. Benjamin M. Cody first worked with Eustis Engineering as a part-time laboratory soil technician while obtaining his undergraduate degree. After leaving Eustis Engineering in 1994, Mr. Cody worked as an engineering technician with the Sewerage & Water Board of New Orleans and as a student laboratory coordinator at Tulane University's Department of Civil Engineering. Mr. Cody also assisted in teaching the introductory soil mechanics laboratory sessions. For more than a year, he then worked as a graduate research assistant at Tulane University while pursuing his Master's degree. At that time, he was responsible for the design, construction, and implementation of bench scale testing system in contaminated soil remediation.</p> <p>From 1998 until 2001, Mr. Cody worked for engineering firms in Florida. He performed such duties as soil evaluation and engineering recommendations for projects of varying sizes including multi-story structures, bridges, and roadways. He performed Phase I environmental site assessments as well as geotechnical sensor installation.</p> <p>In 2001, he returned to the New Orleans area and to Eustis Engineering as a Project Engineer. He now serves as a Principal Engineer with the firm. Since his return, Mr. Cody has performed a wide variety of engineering services including geotechnical project management, engineering design, engineering during construction, and dynamic pile testing. Private sector projects have varied from small private or commercial structures to multi-story high-rise structures, storage tanks, and other industrial facilities. Public projects have included roads and bridges, port facilities, government buildings and facilities, schools, and hurricane protection system improvements.</p> <p>Some of Mr. Cody's project experience, shown in this submittal, includes the following:</p> <ul style="list-style-type: none">• Jefferson Parish – West Bank Central Warehouse Facility, LA Highway 18, Bridge City, Louisiana• Jefferson Parish – Jung and Falcone Lift Station Upgrades, New Sanitary Sewer Lift Station, Marrero, Louisiana• Gulf Coast Bank and Trust Company – Proposed Generator Pads at Three Sites, Terrytown, Metairie, and Chalmette, Louisiana

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
--

Name & Title:

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

- | |
|--|
| <ul style="list-style-type: none">• Jefferson Parish – Proposed Lift Station, Melody Drive and West Esplanade Avenue, Metairie, Louisiana• Jefferson Parish Public School System – Young Audiences Charter School, 1000 Burmaster Street, Gretna, Louisiana |
|--|



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 10/4/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Benjamin Mcmillan Cody
3011 28th Street
Metairie, Louisiana 70002-6019

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mr. Benjamin Mcmillan Cody	
License/Certificate Type - Number	Expiration Date
PE.0030292	09/30/2024
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:
Sean G. Walsh, P.E. / Engineering Manager and Vice President (Engineering)
Project Assignment:
Project Manager
Name of Firm with which Associated:
Eustis Engineering L.L.C.
Years' Experience with This Firm:
10
Education: Degree(s)/Year/Specialization:
Master of Science / 2010 / Civil Engineering Bachelor of Science / 2007 / 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, Mr. Sean G. Walsh 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 Vice President and 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 (e.g., T-walls, I-walls, L-walls, 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</p>

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Sean G. Walsh, P.E. / Engineering Manager and Vice President (Engineering)

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 (e.g., Baton Rouge, New Orleans, South Louisiana); 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 ten years have developed exponentially with the variety of projects that have crossed his desk. Regarding 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 Sewer Lift Station, Marrero, Louisiana



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 11/10/2021 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 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 09/30/2023 Status: Active
Fold Here →	<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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PROJECT NO. 01

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

Nature of Firm's Responsibility:

**Jefferson Parish
West Bank Central Warehouse Facility
LA Highway 18
Bridge City, Louisiana
Eustis Engineering Project No. 22720.00-.01**

Owner's Contact Information:
Jefferson Parish Through
ECM Consultants, Inc.
1301 Clearview Parkway, Suite 200
Metairie, Louisiana 70001
Chris Maniscalco @ 504-885-4080

As part of our geotechnical exploration, Eustis Engineering provided foundation analyses and recommendations for the proposed West Bank Central Warehouse Facility located north of LA Highway 18 in Bridge City, Louisiana.

The project was to consist of two major structures: a warehouse and a poles/fixtures building, and 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 having a maximum 24-in. diameter with an estimated maximum bearing depth of 4 feet.

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 determine 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.

Our engineering analyses included:

- site preparation addressing the need for adequate drainage during and after construction;
- appropriate clearing and stripping operations complying with the State of Louisiana Department of Transportation and Development's standard specifications;
- subgrade preparation;
- recommended structural fill material type and its compaction;
- estimated fill settlement;
- areal subsidence;
- bracing for excavations in accordance with OSHA requirements;
- 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;
- lateral earthen pressure on buried structures and at the truck wells associated with the loading dock;

PROJECT NO. 01

PROJECT NO. 01		
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>As the geotechnical engineer of record, Eustis Engineering provided recommendations to the contractor regarding the test pile program requirements. 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 of testing completed by others.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
05/2017 (A)	Unknown	\$11,500

PROJECT NO. 02

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

Nature of Firm's Responsibility:

**Jefferson Parish Sheriff's Office
First District Station
3620 Hessmer Avenue
Metairie, Louisiana
Eustis Engineering Project No. 23114**

Owner's Contact Information:
Jefferson Parish Sheriff's Office Through
N-Y Associates, Inc.
2750 Lake Villa Drive, Suite 100
Metairie, Louisiana 70002
Jonathan O'Rear, AIA RCARB, LEED
@ 504-885-0500

The Jefferson Parish Sheriff's Office (JPSO) planned to build a new station on Hessmer Avenue in Metairie, Louisiana. The station would be approximately 7,000 square feet of main floor space which would include an entrance lobby, retail space, and storage space. The second floor would also be approximately 7,000 square feet in plan size. This would serve 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.

Based on our knowledge of the project details and the subsoils in the area, 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 4 feet of fill. Eustis Engineering also drilled five auger borings to depths of 10 feet for the pavement areas.

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.

Our engineering staff performed engineering analyses for the project. These analyses included:

- recommendations for site preparation;
- recommendations for placement and compaction of fill;
- estimates of allowable pile load capacities;
- effects of downdrag on piles due to the placement of 4 feet of fill;
- estimates of settlement;
- components and thicknesses for rigid and flexible pavements; and
- general foundation construction procedures.

In 2017, Eustis Engineering provided supplemental design services associated with a preload/surcharge program being considered to reduce post-construction settlements on the site paving and pile foundations.

In 2018, Eustis Engineering was engaged during the construction phase to assist with responding to contractor Requests for Information (RFIs) regarding pile installation difficulties and conflicts identified during pile driving operations. As a result of the RFIs, our geotechnical engineer of record was also engaged to review pile driving records and the results of a test pile program. Additional pile testing was conducted and observed to provide modifications to the installation criteria,

PROJECT NO. 02		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	reduce pile damage, and address the existing pile conflicts while still meeting the design requirements.	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
05/2018 (A)	Unknown	\$11,400

PROJECT NO. 03

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p align="center"> Jefferson Parish Proposed Pump Station Blanchard Lane Grand Isle, Louisiana Eustis Engineering Project No. 24160 </p> <p> Contact Information: 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 and recommendations included the following:</p> <ul style="list-style-type: none"> • recommendations for groundwater 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; • minimum requirements for 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 earthen 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. 	
<p align="center">Completion Date (Actual or Estimated)</p>	<p align="center">Estimated Cost:</p>	
<p align="center">08/2019 (A)</p>	<p align="center">Entire Project:</p> <p align="center">Unknown</p>	<p align="center">Work for Which Firm Was Responsible:</p> <p align="center">\$14,500</p>

PROJECT NO. 04		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Jefferson Parish Jung and Falcone Lift Station Upgrades (K-11-3) New Sanitary Sewer Lift Station Marrero, Louisiana Eustis Engineering Project No. 23819</p> <p style="text-align: center;">Contact Information: Jefferson Parish Through Principal Engineering, Inc. Suite 19 1011 North Causeway Boulevard Mandeville, Louisiana 70471 Jeneva Hinojosa, E.I. @ 985-624-5001</p>	<p>The new lift station was to consist of a fiberglass wet well and fiberglass valve pit. The wet well was to be approximately 6 feet in diameter and 18 feet in depth. The valve pit was to be approximately 6 feet in diameter and 8 feet in depth. Site improvements were to include a gravity sewer line installed approximately 12 feet below grade and a force main approximately 4 feet below grade.</p> <p>Our field investigation included the drilling of one soil boring to a depth of 80 feet below the existing ground surface using one of our truck-mounted rigs. Once in our laboratory, samples selected by our engineering staff 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 documented in a report including:</p> <ul style="list-style-type: none"> • recommendations for site preparation encompassing temporary and permanent drainage, dewatering and pressure relief of excavations, and ways to limit lateral movement; • methods for excavation, base preparation, and bedding associated with the sanitary gravity sewer line, wet well, and valve box; • estimates of lateral earthen pressures; • recommendations for material placement and compaction of 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 piles; 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:
06/2018 (A)	Unknown	\$4,900

PROJECT NO. 05		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Gulf Coast Bank and Trust Company Proposed Generator Pads at Three Sites Terrytown, Metairie, and Chalmette (Jefferson and St. Bernard Parishes), Louisiana Eustis Engineering Project No. 24847</p> <p>Contact Information: Gulf Coast Bank and Trust Company Through Girau and Associates, L.L.C. 535 Arlington Drive Metairie, Louisiana 70001 Sergio Girau @ 504-239-1861</p>	<p>Generator pads were proposed at three different Gulf Coast Bank and Trust Company branches: Terrytown, Metairie, and Chalmette. These new emergency generators would weigh between 3,000 and 4,000 lbs each and were intended to be grade-supported on mat foundations. Eustis Engineering was sought out to complete the geotechnical exploration at the project sites.</p> <p>The exploration included the drilling of three undisturbed sample type soil borings, one at each branch location, to evaluate subsoil conditions and stratification and to obtain samples of the various substrata encountered. Each boring was drilled to a depth of 20 feet below the existing ground surface using our truck-mounted drill rigs.</p> <p>Our engineering staff reviewed the field logs and selected samples from the borings for testing in our accredited laboratory. The soil mechanics laboratory tests performed consisted of visual classification, natural water content, unit weight, unconfined compression shear, and unconsolidated undrained triaxial compression shear. In addition, Atterberg liquid limits and plastic limits tests were performed on selected representative samples to aid in classification of the subsoils.</p> <p>The engineering design team utilized the laboratory test results to develop soil design parameters at each of the sites. They then performed engineering analyses, to estimate allowable soil bearing values and settlement for mat foundations to support the proposed emergency generators at each Gulf Coast Bank location.</p>	
	Estimated Cost:	
	Completion Date (Actual or Estimated)	Entire Project:
08/2022 (A)	Unknown	\$6,800

PROJECT NO. 06

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p align="center"> 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. These test results were the basis of the geotechnical soil design parameters.</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>	
<p align="center">Completion Date (Actual or Estimated)</p>	<p align="center">Estimated Cost:</p>	
<p align="center">04/2015 (A)</p>	<p align="center">Entire Project:</p> <p align="center">Unknown</p>	<p align="center">Work for Which Firm Was Responsible:</p> <p align="center">\$9,600</p>

PROJECT NO. 07

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p align="center"> Jefferson Parish Proposed Lift Station Melody Drive and West Esplanade Avenue Metairie, Louisiana Eustis Engineering Project No. 24782 </p> <p align="center"> Contact Information: Jefferson Parish Through ECM Consultants, Inc. 1301 Clearview Parkway Suite 200 Metairie, Louisiana 70006 Sunina Shrestha P.E. @ 504-885-4080 </p>	<p>A new lift station was proposed to be constructed at the intersection of Melody Drive and West Esplanade Avenue in Metairie, Louisiana, just east of the existing lift stations. The structure's wet well and valve pit would have a 2-ft (thick) base slab extending 2 feet beyond all sides. Two options regarding the wet well size and dimensions were being considered. A new pile-supported sewer force main aerial canal crossing was also proposed.</p> <p>Eustis Engineering's subsurface exploration comprised one undisturbed sample type soil test boring to a depth of 70 feet below the existing ground surface using a truck-mounted rotary-type drill rig. Due to the existing site features and overhead and underground utilities, our crew coordinated closely with the designer and representatives of Jefferson Parish to select the boring location. After completion of the field work, the samples were transported to our certified Metairie laboratory for testing. Soil mechanics laboratory tests consisted of visual classification, natural water content, unit weight, unconfined compression shear, unconsolidated undrained triaxial compression shear, and Atterberg liquid and plastic limits tests. These test results were utilized to develop soil design parameters for the geotechnical analyses.</p> <p>We made recommendations for both shallow (mat/slab) and deep (driven pile) foundation design, installation, and materials.</p> <p>Engineering analyses included settlement and lateral earthen pressures (at-rest, active, and passive). For mat foundations, we calculated allowable soil bearing values, net applied pressure intensity, estimated settlement, and uplift pressure. For pile foundations, we calculated allowable pile load capacities, and estimated settlement. We also provided recommendations for pile materials, size, and installation methods.</p>	
<p align="center">Completion Date (Actual or Estimated)</p>	<p align="center">Estimated Cost:</p>	
<p align="center">05/2022 (A)</p>	<p align="center">Entire Project:</p>	<p align="center">Work for Which Firm Was Responsible:</p>
	<p align="center">Unknown</p>	<p align="center">\$6,200</p>

PROJECT NO. 08

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Jefferson Parish Sheriff's Office Lafitte Rathburn Tower Lafitte, Louisiana Eustis Engineering Project No. L0415</p> <p style="text-align: center;">Contact Information: 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 feet 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>	
<p style="text-align: center;">Completion Date (Actual or Estimated)</p>	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
06/2015 (A)	Unknown	\$8,600

PROJECT NO. 09

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

Nature of Firm's Responsibility:

**Jefferson Parish Public School System
Young Audiences Charter School
1000 Burmaster Street
Gretna, Louisiana
Eustis Engineering Project No. 24021**

Owner's Contact Information:
Young Audiences Charter Association
1407 Virgil Street
Gretna, Louisiana 70053
Edna R. Moore @ 504-304-6332

At the time of our investigation, the site consisted of an existing one-story masonry warehouse surrounded by concrete and asphalt. That warehouse would be converted into the new school at 1000 Burmaster Street. The existing building had approximate plan dimensions of 700' x 250'. Much of the building would remain in place with partitioning and relocation of interior columns to develop the existing building into facilities needed for the school. The structural engineer for the project planned to use a pile foundation to support appurtenant features outside of the building. Appurtenant features would include transformers and mechanical pads raised 3 feet above grade.

The existing parking lot would be utilized for the school and new pavements would be constructed as necessary. The final parking area would accommodate 90 personal vehicles. Portions of the existing parking lot would be refurbished with a mill and overlay pavement. A new driveway south of the existing building would accommodate large vehicles, including bus traffic. New light-duty and heavy-duty pavements would be required at other areas around the existing building.

Our field exploration included the drilling of four 100-ft undisturbed sample type soil test borings from the exterior of the existing building to determine subsoil conditions and stratification, and to obtain samples of the various strata encountered.

The borings were supplemented with cone penetration tests (CPTs) to further evaluate the subsurface conditions inside the building. The CPTs extended to depths of 100 feet below the bottom of the concrete slab.

Soil mechanics laboratory tests, performed on samples obtained from the borings, were used to evaluate the physical properties of the various substrata. Testing included classification tests such as natural water content, unit weight, unconfined compression shear, and unconsolidated undrained triaxial compression shear. Additional testing included the percent passing the U.S. Standard No. 200 mesh sieve and Atterberg liquid and plastic limits determinations to aid in classification and provide an indication of each material's relative compressibility.

In conjunction with the soil borings, CPTs, and laboratory test results, engineering analyses were made to determine recommendations for:

- water management during and after construction;
- site preparation on the interior of the building;
- inspection and monitoring of the existing building;
- site preparation for the existing building's exterior;
- Seismic Site Classification in accordance with the International

PROJECT NO. 09

PROJECT NO. 09		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	Building Code; <ul style="list-style-type: none">• allowable vertical load capacities, in compression and tension, for various sizes and embedments of treated ASTM D25 quality timber piles, timber composite, single-piece and segmented open-end steel pipe piles, and augercast concrete piles;• pile installation recommendations;• both flexible and rigid pavements; and• general foundation construction procedures.	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
02/2019 (Actual)	Unknown	\$17,600

PROJECT NO. 10

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p align="center"> Jefferson Parish Veterans Boulevard North and South Pump Stations Jefferson Parish, Louisiana Eustis Engineering Project Nos. 23396, 23396.01, and 24426 </p> <p align="center"> Contact Information: 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' (USACE) 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>Due to the 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 Act request to the USACE.</p> <p>Engineering analyses for the evaluation of the proposed T-wall followed the USACE's <u>Hurricane and Storm Damage Risk Reduction System Design Guidelines</u> dated June 2012. Global and local stability analyses were performed to evaluate the design and construction of the T-wall, including temporary flood protection and temporary retaining structures. Stability analyses were also performed to address construction dewatering requirements for the pump station excavation with respect to the existing and proposed flood protection.</p> <p>Our work included estimates of allowable axial pile load capacities for piles supporting the T-wall foundations as well as the pump station and discharge pipes. We also performed analyses to evaluate the potential for seepage and heave during and after construction for the proposed features. New generator pads were located adjacent to each pump station to house controls outside the new intake excavation.</p>	
<p align="center">Completion Date (Actual or Estimated)</p>	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
11/2021 (A)	Unknown	\$53,400

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.		

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-seven 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 single two-man office to approximately 115 individuals in five offices, the firm has grown to house accounting, administrative, quality control, safety, drilling, engineering, laboratory, and construction materials testing departments. These departments work together to provide our clients with the quality work desired in a cost-effective and timely manner.

Eustis Engineering is headquartered in Metairie, Louisiana, with branch offices in Baton Rouge and Lafayette. We also operate branch offices in Gulfport, Mississippi and 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:

- subsurface exploration (drilling of soil borings, cone penetration testing, downhole vane, and Geoprobe®);
- soil mechanics laboratory tests;
- field instrumentation and monitoring;
- non-destructive testing of piles and shafts including dynamic pile testing, crosshole sonic logging, single-hole sonic logging, low strain pile integrity testing, and thermal integrity profiling;
- geotechnical engineering design; and
- construction quality control and materials testing services.

Eustis Engineering L.L.C. Important Numbers	
Item	Number
Unique Entity Identifier (UEI)	R83MG9NLTMS4
CAGE Code	4MOP2
Firm License - Louisiana	EF.0003558
Firm License - Mississippi	2078
Firm Registration – Texas	13895

Eustis Engineering has worked on over 28,000 projects since its inception. This work history gives our engineering staff unparalleled familiarity with the foundation conditions in the Gulf Coast. Included in this experience is over 800 projects performed for the Jefferson Parish Government and over 2,650 projects within Jefferson Parish for other owners/clients on both the east and west banks of the parish.

ENGINEERING SERVICES

Eustis Engineering has engineering capabilities to fulfill the requirements of nearly any project, including development of new sites and retrofits of existing sites. We have developed pile capacity and bearing capacity analyses for projects throughout the coastal areas of the United States. 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® software.

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. Preload/surcharge operations are also a component of our settlement evaluations.

Our capabilities extend to performance of deep-seated global stability analyses for structures (T-walls and I-walls) according to the standards of the Hurricane and Storm Damage Risk Reduction System Design Guidelines (HSDRRSDG), Louisiana Flood Protection Design Guidelines, and the Coastal Protection and Restoration Authority's (CPRA's) Marsh Creation Design Guidelines. The stability analyses are performed using methods associated with force and moment equilibrium, such as Spencer's Method as coded in SLOPE/W, and methods associated solely with force equilibrium, such as the Lower Mississippi Valley Division (LMVD) Method of Planes (MOP) as coded in UPLIFT®. These programs are also used for the design and verification of levees, reinforced embankments, revetments, channel slopes, and open excavations.

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

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

Engineering Staffing

Our engineering staff has 17 master's degrees in Civil Engineering, Engineering, Engineering Management, Geology, 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 at 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	21	25
Brian A. Deschamp	B.S. / Civil & Environmental Engineering	11	11
	B.A. / Business Administration		
Lars A. Erickson	B.S. / Civil & Environmental Engineering	7	7
	Coastal Engineering Certificate		
James J. Hance	M.S. / Civil Engineering	19	23
	M.B.A. / Business Administration		
Chad L. Held	M.S. / Civil Engineering	32	32
Matthew K. Morales	B.S. / Civil Engineering	14	14
Tomas K. Morales	B.S. / Civil Engineering	9	9
Travis R. Richards	M.S. / Engineering	17	24
	M.S. / Engineering Management		
	Coastal Engineering Certificate		
Chad D. Roe	M.S. / Civil Engineering	0	10
Gwendolyn P. Sanders	M.S. / Engineering	30	30
Sanjay S. Shahji	M.S. / Civil Engineering	0.5	17
Shaun R. Simon	M.S. / Civil Engineering	23	23
Patrick A. Thurmond	M.S. Engineering Management	7	7
	M.S. / Civil Engineering		
	Coastal Engineering Certificate		
Sean G. Walsh	M.S. / Civil Engineering	10	15
James M. Williams	M.S. / Civil Engineering	5	5
Henry C. Worley	M.S. / Engineering	5	6.5
	Coastal Engineering Certificate		
Engineering Interns (E.I.)			
Joseph P. DiGiovanni	B.S. / Civil Engineering	0	0
Patrick T. Duckworth	M.S. / Civil Engineering	2	2
Engineering Graduates			
Alvaro E. Carvajal	B.S. / Civil Engineering	.5	.5
Lesley L. Reitmeyer	B.S. / Civil Engineering	14	14
Geologists			
Matthew J. Blasini, G.I.T.	B.S. / Geology	4	5
Andrew A. Herr	B.S. / Geology	0	1
Nathan A. Quick, P.G.	M.S. / Geology	1.5	6.5
Total Years of Experience		233.5	278.5

Reviewing our table, the majority of Eustis Engineering's professional engineers have at least ten years of experience in geotechnical engineering.

Cone Penetration Testing Capabilities

Eustis Engineering owns two dedicated track-mounted Cone Penetration Testing (CPT) rigs and operates four other multi-purpose rigs capable of performing CPTs. Operators are either specifically trained engineering technicians or engineers who perform field operations utilizing the CPT equipment. Engineers with specialized knowledge and experience operating the rigs evaluate the sounds and produce the CPT logs. Five of our rigs can be placed on a cargo buggy, shallow draft barge, or airboat to access coastal marsh or open water. We have sounded to depths of 180 feet and have the ability to perform dissipation and seismic testing. Field testing is performed according to ASTM D5778 and common industry practices. Eustis Engineering has been performing CPTs and using CPT technology since the early 2000s.

A CPT can be accomplished rapidly with four or five being performed in the same time frame as a standard geotechnical boring; therefore, CPTs are typically cost-effective in providing enhanced subsurface exploration and better delineation of subsurface conditions at a project site.

Dynamic Pile Testing Capabilities

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

We often upgrade our data collectors and operate four Pile Driving Analyzers® (PDAs): one PAX unit and three 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 use underwater gauges to monitor pile 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 responses to issues in the field, all PDAs have wireless communication, enabling our engineers direct oversight of the dynamic pile testing process in real time.

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

Other Non-Destructive Testing Capabilities

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

INSTRUMENTATION

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

Eustis Engineering provides the following instrumentation services.

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

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

DRILLING/FIELD EXPLORATION

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. We also have portable units that can be used inside structures planned for retrofit/renovations.

Field Exploration 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; sounding CPT; advancing Geoprobe samplers; and installing geotechnical instrumentation on land, in water, and in marsh environments as indicated in the following table.

Capabilities of Eustis Engineering's Field Exploration Staff	Scott Bombard	James Cordes	Rene Davidson	Eric Held	James Lubben	George Reitmeyer	Lawrence Rome	Michael Whipkey
Hand Auger Borings	X	X	X	X	X	X	X	X
General Type (3-in. Diameter Borings)	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	
Undisturbed Type (5-in. Diameter Borings)	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	
Location Information (Latitude, Longitude)		X	X	X	X		X	X
Set Permanent Benchmarks		X	X	X	X		X	
Install Instrumentation		X	X	X	X		X	
Cone Penetration Tests				X		X		
Geoprobe Sampling	X	X		X	X		X	X

Field Exploration Equipment

Eustis Engineering owns and operates six wet rotary drill rigs, both truck-mounted 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 Geoprobes with their 12-in. tracks allow this equipment to be used on pavement as well as off road and in rugged terrain. The 6620DT and 3230DT rigs also can be placed on specialized equipment. This includes a jack-up barge and a cargo buggy for operations over marsh/water. These units can install shallow monitoring wells and other instrumentation. We also have the capability to perform CPTs and downhole vanes 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.

Other Specialized Soil Sampling Equipment

In addition to our drill rigs, Eustis Engineering owns and operates a vibracore that can be attached to small equipment to access remote locations. We also have hand augers to obtain samples at various depths for use in classification and stratification of soil deposits. This equipment can be used in association with handheld piston samplers to obtain small diameter samples. Finally, we operate a dynamic cone penetrometer (DCP) to assess the in-situ strength of undisturbed soils and compacted materials in accordance with ASTM D 6951.

Drone Capabilities

Eustis Engineering utilizes small Unmanned Aerial Systems (sUAS), more commonly known as “drones,” to enhance our services. We use drones to perform site inspections, field reconnaissance, pre/post-construction condition surveys, construction inspections, and other forms of visual monitoring. We currently operate a DJI Mavic Air 2S Drone piloted by a Part 107 Certified Remote Pilot.

LABORATORY SERVICES

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

Eustis Engineering has also 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 provides Eustis Engineering’s team members access to a data source via connected applications or a web portal, increasing collaboration and efficiency. The improved access and reliability will save time and money in the planning, design, analysis, construction, and operation of infrastructure projects.

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

Technical testing common to our laboratories includes ASTM, ACI, LaDOTD, AASHTO, FAA, and USACE. Our laboratories hold accreditations from AASHTO, LaDOTD, and the USACE.

Laboratory Staffing

Eustis Engineering currently has qualified technicians to sample construction materials and perform soil mechanics laboratory testing. These technicians are versed in the latest standards from ASTM, LaDOTD, MDOT, AASHTO, FAA, and the USACE. 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 USACE, the AMRL Group of the AASHTO, and the CCRL Group of AASHTO. Eustis Engineering is also accredited by the MDOT.

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

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

Our laboratory in Houston, Texas, has capabilities in the areas of Aggregate, Concrete, Masonry, and Soil and is currently pursuing accreditation through A2LA.

To further show quality is paramount to Eustis Engineering, we have two individuals in charge of maintaining quality in our testing. Travis R. Richards, P.E., is the engineer-in-charge. Timmy Holleman, dedicated Quality Control Manager, oversees the calibration of our equipment and maintenance of our quality system. The biggest reward of our quality system is knowing our clients are confident our testing laboratories produce the highest quality results and conform to state and national standards.

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

Signature: 
Title: President

Print Name: Gwendolyn P. Sanders
Date: 03/27/2023

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

Name:	Public Address:
Eustis Engineering L.L.C.	Eustis Engineering L.L.C. c/o Kathy D. LeRouge 3011 28th Street Metairie, Louisiana 70002

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0003558	Active	09/13/2006	03/31/2025	Mr. Benjamin Mcmillan Cody # PE.0030292 ; Mr. Travis Russell Richards # PE.0030992

LINFIELD, HUNTER & JUNIUS, INC.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Professional Mechanical and Electrical Engineering Services On An (Surveying Services)
 As-Needed Basis
 Resolution No. 141493
 SOQ 23-007

B. Firm Name & Address:

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., 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., 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	<u> </u> Estimators	<u> </u> Specification Writers
<u>2</u> Architects (Licensed)	<u> </u> Geologists	<u>4</u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u>6</u> Civil Engineers (Licensed)	<u> </u> Interior Designers	<u> </u> Project Managers
<u>5</u> Construction Inspectors	<u> </u> Landscape Architects	<u>1</u> Clerical
<u> </u> Ecologists	<u>5</u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u>4</u> Engineer Intern	<u> </u> Environmental Engineers	<u>3</u> CADD Drafters
<u>2</u> Professional Land Surveyors	<u>2</u> Architect Intern	<u>39</u> TOTAL

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

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

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

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



**Professional Mechanical and
Electrical Engineering Services on an
As-Needed Basis
SOQ No. 23-007**

Prime



Subconsultant



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

Nathan J. Junius, P.E., P.L.S.
Project Manager / Surveying

Land Surveying

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

Daniel D. Bindewald
Survey Party Chief

Paul H. Morales, IV
Survey Party Chief

Vincent J. Leco, III, E.I.
Survey Party Chief

Cooper G. Ashworth, E.I.
Survey Party Chief

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	Jefferson Parish	State of Louisiana
2.		
3.		

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

10

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, President

Project Assignment:

Professional Land Surveyor

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

21 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, of streets, wastewater treatment plants, sewage collections systems, sewer force mains and waterline distribution miles 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

TEC Professional Services Questionnaire

Nathan J. Junius, P.E., P.L.S., PTOE, President
Project Assignment – 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 3/30/2023 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Nathan John Junius
3608 18th Street, Suite 200
Metairie, Louisiana 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	09/30/2023
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>	

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.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/30/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Nathan John Junius
3608 18th Street, Suite 200
Metairie, Louisiana 70002

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	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	09/30/2023
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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Disclaimer

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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:

17 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

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



**Jefferson
Parish**
State of Louisiana



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/30/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	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	09/30/2023	
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>		

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 LAPELS 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 LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, 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 LAPELS.

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:

14 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.

DESIRE NEIGHBORHOOD TOPOGRAPHIC AND SUBSURFACE SURVEY, NEW ORLEANS, LA

LH&J provided topographic surveying services for the project that consisted of the patching and reconstruction of 20,285 linear feet of roadway across 39 blocks, construction of new concrete roadway, replacement of the storm drainage system, sewer lines and water mains. Role: Survey Party

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.

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:

9 Years

Education: Degree(s)/Year Specialization:

University of New Orleans / B.S. / 2013 / 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:

DESIRE NEIGHBORHOOD TOPOGRAPHIC AND SUBSURFACE SURVEY, NEW ORLEANS, LA

LH&J provided topographic surveying services for the project that consisted of the patching and reconstruction of 20,285 linear feet of roadway across 39 blocks, construction of new concrete roadway, replacement of the storm drainage system, sewer lines and water mains. Role: Survey Party

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

TEC Professional Services Questionnaire

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

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

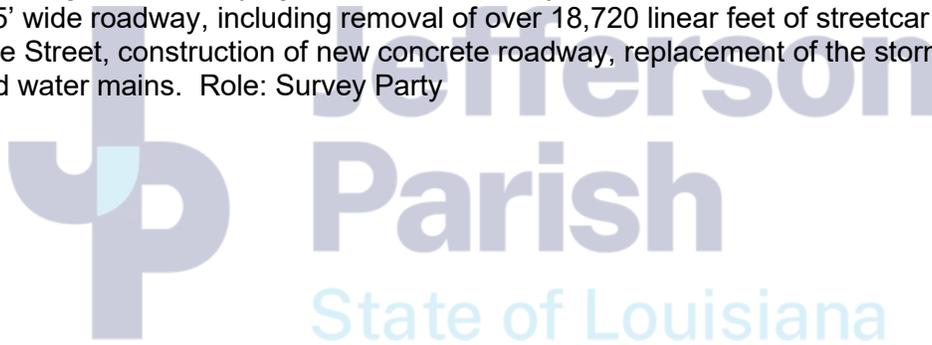
Hydrographic survey of approximately 150 acres in Southshore Harbor including portions of the navigation channel and Lake Pontchartrain. Included cross sections and profiles of approximately 10 acres of the north peninsula floodwall for a potential dredge spoil area.

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

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Vincent J. Leco, III, E.I., Survey Party Chief

Project Assignment:

Survey Party Chief

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

3 Year

Education: Degree(s)/Year Specialization:

University of New Orleans - B.S. / 2018 / Civil Engineering

Active registration: Year first registered/discipline:

Civil / LA License / EI. 0034160

Other experience and qualifications relevant to the proposed Project:

RELEVANT EXPERIENCE:

DESIRE STREET NEIGHBORHOOD SURVEY, NEW ORLEANS, LA

Assisted in drafting the approximately 21,000 LF Desire Neighborhood Survey. This survey included identifying topographic and underground utility features. This survey was assigned for future street, subsurface drainage and underground utility improvements for the Desire Neighborhood in New Orleans, LA.

SELA 72.2 SURVEY, NEW ORLEANS, LA

Assisted in constructing the Limits of Construction and Utility Disposition Plans along General De Gaulle Dr. for the Southeast Louisiana Urban Flood Damage Reduction Project (SELA 72.2) in New Orleans, LA.

HAYNE BOULEVARD RELIEF WELL DRAINAGE, NEW ORLEANS, LA

Assisted in drafting the survey for the Hayne Boulevard relief well system. This survey was assigned to locate relief well structures and to identify the current drainage system for future drainage improvements along Hayne Blvd. in New Orleans, LA.

GEISENHEIMER CANAL IMPROVEMENTS, METAIRIE, LA

Assisted project engineer in design of a 8'X12' box culvert paralleling existing Geisenheimer drainage canal over a distance of approximately 2,800 linear feet. Box culvert is structurally integrated with existing drain lines at three junction box tie-in locations.

TEC Professional Services Questionnaire

Vincent J. Leco, E.I.
Project Assignment – Survey Party

LOUMOR OUTFALL DITCH IMPROVEMENTS, METAIRIE, LA

Assisted project engineer in design of two (2) new underground drainage lines. One drainage line consist of 78" X 122" Reinforced Concrete Pipe Arch (RCPA) segments along the existing drain line identified as Loumor Ditch combining to approximately 1,300 linear feet. The second line consists of a 9'X6' box culvert spanning approximately 320 linear feet. These new segments will tie-into the existing below-grade Geisenheimer Canal box culvert that extends along Airline Drive.

MAGAZINE STREET RECONSTRUCTION (LEAKE AVENUE TO EAST DRIVE), NEW ORLEANS, LA

Assisted project engineer in reconstruction of Magazine Street from Leake Avenue to East Drive. The reconstruction includes regrading, new striping, adjustment of utility manholes where applicable, removal & replacement of roadways and sidewalks, and installation of ADA ramps.

MAF BUILDING 103 DRAINAGE STUDY, NEW ORLEANS, LA

Assisted project engineer in analyzing hydraulics of the roof drainage system for Building 103 Michoud Assembly Facility including the subsurface drainage under the building and extending to the pumped outfall canal and to recommend improvements to reduce ponding on the approximate 38 acre building roof.

PEPSI BUIDING CONCRETE REPAIRS, RESERVE, LA

Resident Inspector for various concrete repairs to the 150,000 SF warehouse building for the Port of South Louisiana.





LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/30/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Vincent Joseph Leco III
3608 18th Street
Metairie, Louisiana 70002

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mr. Vincent Joseph Leco III	
License/Certificate Type - Number	Expiration Date
EI.0034160	03/31/2024
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 LAPELS 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 LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, 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 LAPELS.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Cooper G. Ashworth, E.I., Survey Party

Project Assignment:

Survey Party

Name of Firm with which associated:



LINFIELD, HUNTER & JUNIUS, INC.

Years' experience with this Firm:

2 Years

Education: Degree(s)/Year Specialization:

Louisiana State University/B.S./2021/Civil Engineering
FAA Certified Remote Pilot License/2021

Active registration: Year first registered/discipline:

2021 / Civil / LA License / EI.0034948

Other experience and qualifications relevant to the proposed Project:

RELEVANT EXPERIENCE:

ST. JAMES SOLAR, VACHERIE LA, ST. JACQUES SOLAR, VACHERIE LA, AND SUNLIGHT ROAD SOLAR, FRANKLINTON, LA

LH&J was responsible for conducting topographic and boundary surveys for 4,500 acre solar farm facility in Vacherie and Franklinton, LA. The projects consisted of surveying both through traditional surveying and by utilizing Lidar scanning technology. The project fee was over \$250,000.00.

Determined site boundaries, provided contours and, collected georeferenced aerial imagery to provide a construction progress exhibit to the client, collected georeferenced aerial imagery to assist in the development of servitudes and parcels of land.

RENE INDUSTRIES SAND PIT, DARROW, LA

LH&J provided land surveying in conjunction with the permitting of levee crossings and a sand pit on the batture. The project was permitted through CPRA, PLD and LADNR through the use of a Joint Permit Application.

FRANCE ROAD YARD SURVEY, NEW ORLEANS, LA

Approximately 20 acre survey for the NOPBRR for the expansion of a railyard. Included topographic survey, hydrographic surveying of the industrial canal, aerial imagery and survey baseline control.

ORPHEUM AVENUE, NEW ORLEANS, LA

Topographic Survey Drafting, Drone Surveying, Photogrammetry

XPLORE CREDIT UNION, METAIRIE, LA

Boundary Survey Drafting



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/30/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Cooper G. Ashworth
3608 18th Street
Metairie, Louisiana 70002

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Cooper G. Ashworth		
License/Certificate Type - Number	Expiration Date	
EI.0034948	03/31/2024	
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.

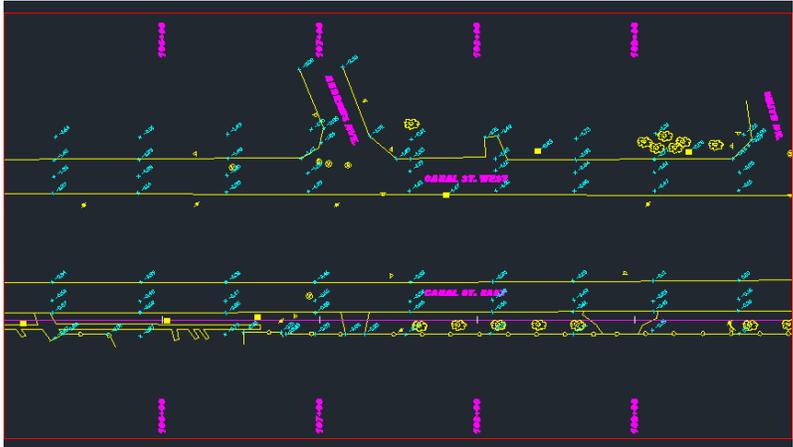
Disclaimer

All information provided by LAPELS 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 LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, 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 LAPELS.

TEC Professional Services Questionnaire

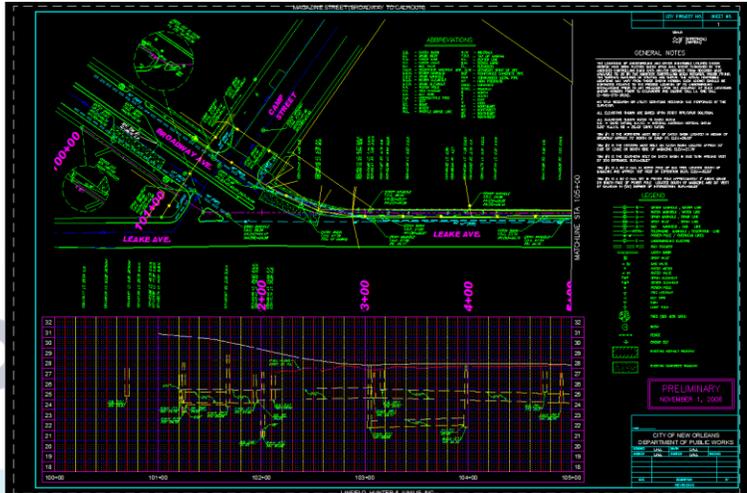
L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

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> <div style="display: flex; align-items: center; margin-top: 20px;">  </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;">   </div> <div style="margin-top: 20px; text-align: center;">  </div>	<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 style="border: 1px solid gray; padding: 10px; margin-top: 10px; background-color: #f0f0f0;"> <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>

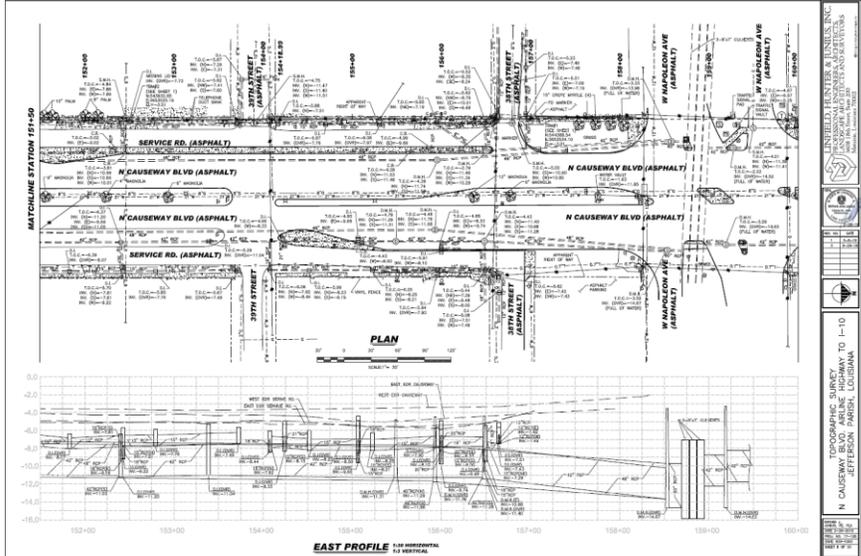
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	\$54,500 (Topo Survey)	\$54,500 (Topo Survey)

TEC Professional Services Questionnaire

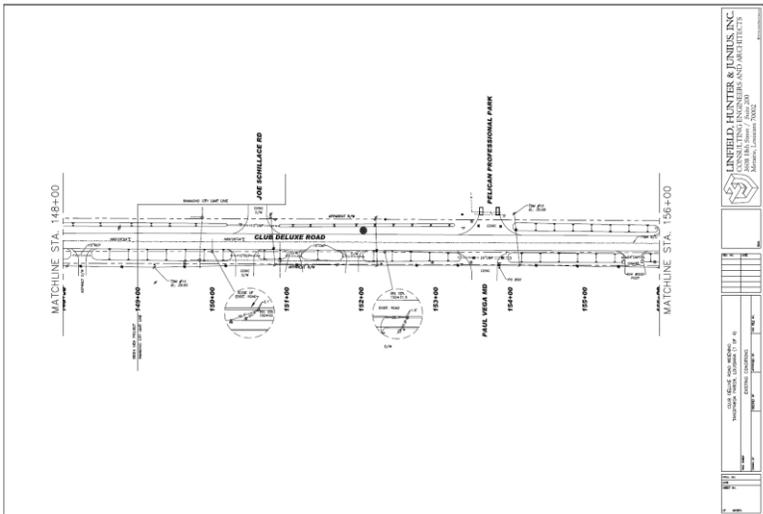
PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Magazine Street Topographic Survey New Orleans, LA</p> <p>City of New Orleans Department of Public Works 1300 Perdido Street, Room 6W03 New Orleans, LA 70112 Alan Weber (504) 658-8209</p> <div style="text-align: center; margin-top: 20px;">  </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="text-align: center; margin-top: 20px; border: 1px solid gray; background-color: #f0f0f0; padding: 10px;"> <p>Key Relevant Features</p> <ul style="list-style-type: none"> ✓ Topographic Survey ✓ Differential Level for Project Benchmarks ✓ Baseline Establishment </div> <div style="text-align: center; margin-top: 20px;">  </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:
2021	\$175,000 (Topo Survey)	\$175,000 (Topo Survey)

TEC Professional Services Questionnaire

PROJECT NO. 3

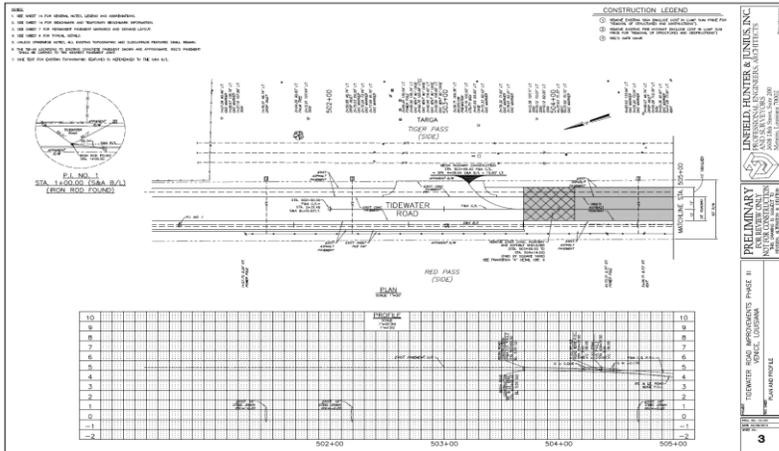
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Causeway Boulevard Survey Metairie Road to W. Napoleon Avenue Metairie, LA</p> <p>Jefferson Parish Department of Capital Projects 1221 Elmwood Park Blvd, Suite 906 Jefferson, LA 70123 Neil D. Schneider, CCM, P.E. (504) 736-6833</p> <div style="text-align: center;">  </div> <div style="text-align: center; margin-top: 20px;">  </div>	<p>LHJ performed a full topographic survey of Causeway Boulevard between Metairie Road and West Napoleon Avenue (5700 L.F. approximately). Existing improvements, utilities, limits of paving, fencing, sidewalks, and signage were located. Cross Sections were performed every 50 ft. and a plan and profile drawing of Causeway Boulevard and the adjacent service roads was delivered.</p> <div style="border: 1px solid gray; padding: 10px; margin-top: 20px; background-color: #f0f0f0;"> <p style="text-align: center;"><u>Key Relevant Features</u></p> <ul style="list-style-type: none"> ✓ Jefferson Parish Project ✓ Topographic Survey ✓ Differential Level for Project Benchmarks ✓ Baseline Establishment <p style="text-align: center; margin-top: 10px;"><u>Key Relevant Personnel</u></p> <ul style="list-style-type: none"> ✓ Nathan J. Junius, P.E., P.L.S. ✓ Daniel D. Bindewald ✓ Paul H. Morales, IV </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:
2019	\$200,000 (Topo Survey)	\$200,000 (Topo Survey)

TEC Professional Services Questionnaire

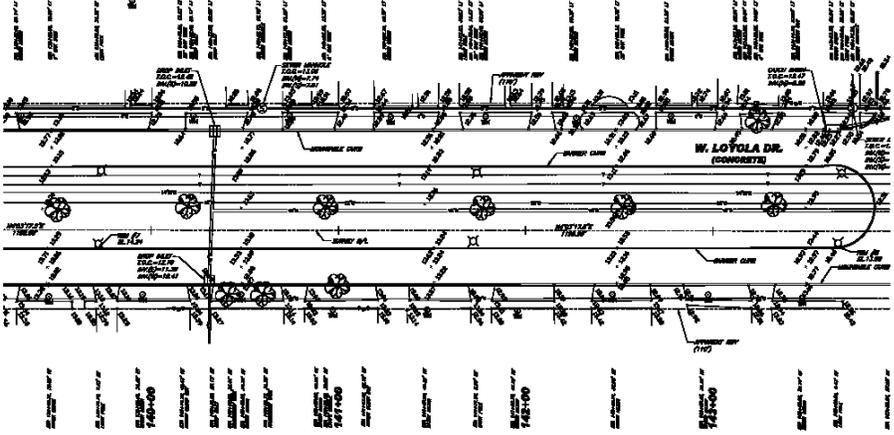
PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Club Deluxe Road Right-of-Way and Topographic Survey Hammond, LA</p> <p>Tangipahoa Parish P.O. Box 215 Amite, LA 70422 Wesley Danna (985) 340-9028</p> <div style="text-align: center; margin-top: 20px;">  </div>	<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 style="border: 1px solid gray; padding: 5px; margin-top: 10px; background-color: #f0f0f0;"> <p style="text-align: center; margin: 0;">Key Relevant Features</p> <ul style="list-style-type: none"> ✓ Topographic Survey of Roadway ✓ Right of Way Survey ✓ Benchmark Loop </div> <div style="text-align: center; margin-top: 20px;">  </div> <div style="text-align: center; margin-top: 10px;">  </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

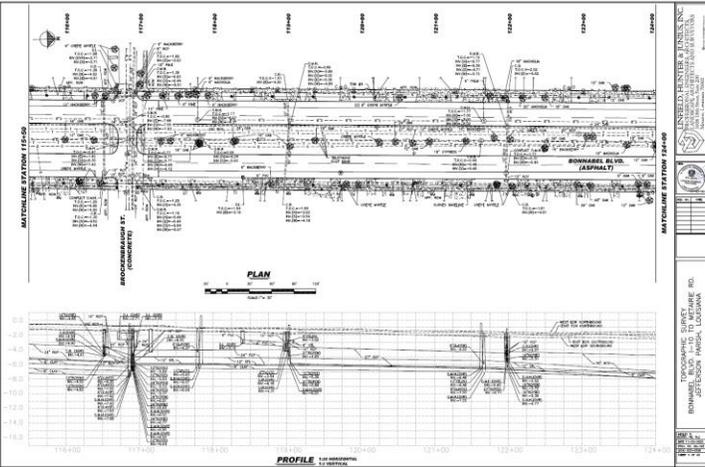
PROJECT NO. 5

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Tidewater Road Topographic Survey Venice, LA</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; border: 1px solid gray; padding: 10px; margin: 10px 0;"> <p>Key Relevant Features</p> <ul style="list-style-type: none"> ✓ Topographic Survey ✓ Baseline Establishment ✓ Hydrographic Surveying </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	\$99,500 (Topo Survey)	\$99,500 (Topo Survey)

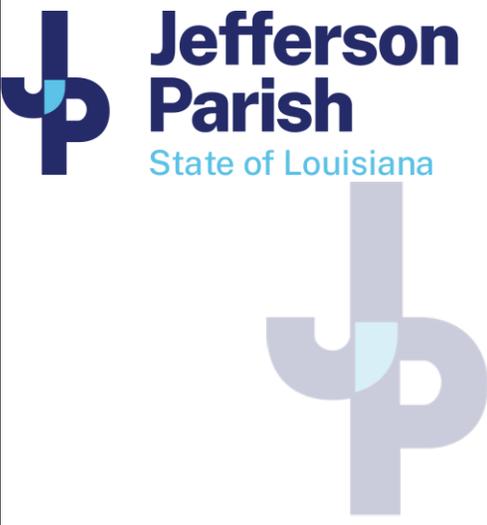
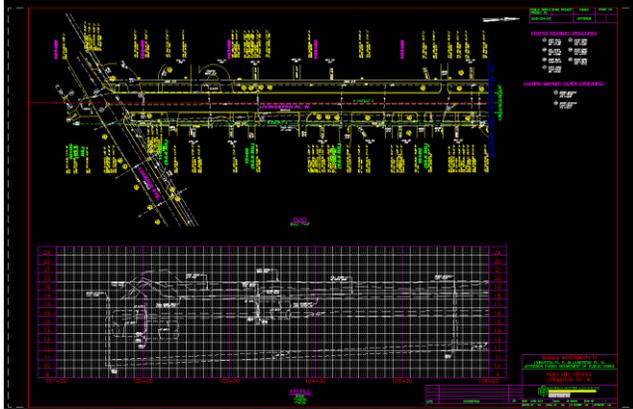
TEC Professional Services Questionnaire

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="text-align: center; margin-top: 20px; opacity: 0.5;">  </div> <div style="border: 1px solid gray; background-color: #e0e0e0; padding: 10px; margin-top: 20px; width: fit-content; margin-left: auto; margin-right: auto;"> <p style="text-align: center; margin: 0;">Key Relevant Features</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 Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Bonnabel Boulevard Survey Metairie Road to I-10 Service Road 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>LH&J performed a full topographic survey of Bonnabel Boulevard between Metairie Road and I-10 (3900 L.F. Approximately). Existing improvements, utilities, limits of paving, fencing, sidewalks, and signage were located. Cross Sections were performed every 50 ft. and a plan and profile drawing of Bonnabel Boulevard was delivered.</p> <div style="border: 1px solid gray; background-color: #f0f0f0; padding: 10px; margin-top: 20px;"> <p style="text-align: center; margin: 0;"><u>Key Relevant Features</u></p> <ul style="list-style-type: none"> ✓ Jefferson Parish Project ✓ Topographic Survey ✓ Differential Level for Project Benchmarks ✓ Baseline Establishment <p style="text-align: center; margin: 10px 0 0 0;"><u>Key Relevant Personnel</u></p> <ul style="list-style-type: none"> ✓ Nathan J. Junius, P.E., P.L.S. ✓ Daniel D. Bindewald ✓ Paul H. Morales, IV </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:
2020	\$88,254 (Topo Survey)	\$88,254 (Topo Survey)

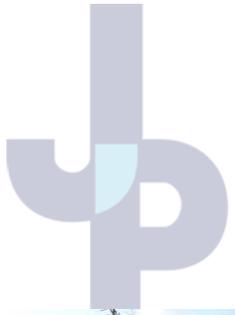
TEC Professional Services Questionnaire

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="border: 1px solid gray; padding: 5px; margin-top: 10px; background-color: #f0f0f0;"> <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="text-align: center; margin-top: 20px;">  </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:
2008	\$38,000 (Topo Survey)	\$38,000 (Topo Survey)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>B.W. Cooper, Gert Town, Dixon Group E New Orleans, Louisiana</p> <p>City of New Orleans Department of Public Works 1300 Perdido Street, Room 6W03 New Orleans, LA 70112 Nguyen Phan (504) 658-8000</p> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div>	<p>General Project Description The City of New Orleans Department of Public Works is undertaking FEMA-funded street and sidewalk rehabilitation in the BW Cooper, Gert Town, and Dixon neighborhoods. Linfield, Hunter & Junius performed the surveying as a sub to Pivotal Engineering for the redevelopment of the streets and sidewalks for the project. Design improvements within the area include a range of point repairs for failing and damaged surfaces, full reconstruction, and patch mill and overlay of existing streets.</p> <p>Scope and Methodology Linfield, Hunter & Junius performed to date approximately 17 blocks (5, 245 feet) of topographic survey within the neighborhood. LH&J survey duties included locating improvements, establishing a baseline parallel with the right of way, locating visible and non-visible utilities by way of one call markings and maps provided by utility companies. In addition, apparent right of way was established, two temporary benchmarks were provided for each block and cross sections were taken at 50 ft. intervals including top of curb, gutter, and centerline elevations.</p> <p>After Field Work was completed, LH&J delivered plan and profile drawings of each block. Along with location of improvements in plan view, these topographic surveys included profiles of existing street centerline, gutter, and sewer and drainage structures.</p> <p>Results The completed surveys were submitted to Pivotal Engineering for use in their street improvement designs. Currently those designs are under review by the Department of Public Works with construction slated to begin in December 2020</p> <div style="background-color: #e0e0e0; padding: 10px; margin-top: 10px;"> <p style="text-align: center;">Key Relevant Features</p> <ul style="list-style-type: none"> ✓ Topographic survey ✓ Plan and Profile Survey ✓ Survey Baseline ✓ Temporary Benchmarks ✓ Apparent Right of Way ✓ Visible and Non-Visible Utility Location <p style="text-align: center; margin-top: 10px;">Key Relevant Personnel</p> <ul style="list-style-type: none"> ✓ Mark K. Annino, E.I. ✓ Nathan J. Junius, P.E., P.L.S. ✓ Richard A. Van Wootten, P.E. ✓ Robert E. Nockton, P.E. ✓ Luis F. Sosa, P.E. ✓ Anthony F. Goodgion, P.E. ✓ Daniel D. Bindewald ✓ Paul H. Morales, IV ✓ Darla L. Morales </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	\$62,000 (Topo Survey)	\$62,000 (Topo Survey)

TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Jefferson Highway Survey Deckbar Ave. to Coolidge Street Harahan, LA</p> <p>Ochsner Health Systems 1514 Jefferson Highway New Orleans, LA 70121 Mr. Jay Britsch</p>   	<p>LH&J performed a full topographic survey and boundary survey of the existing right of way of Jefferson Highway between Deckbar Avenue and Coolidge Street. Existing improvements, utilities, limits of paving, fencing, sidewalks, and signage were located. The project was performed in anticipation of a beautification project Ochsner has planned for the corridor.</p> <div style="border: 1px solid gray; padding: 5px; background-color: #f0f0f0;"> <p align="center"><u>Key Relevant Features</u></p> <ul style="list-style-type: none"> ✓ Topographic Survey ✓ Differential Level for Project Benchmarks ✓ Baseline Establishment ✓ Boundary Survey of existing right of way <p align="center"><u>Key Relevant Personnel</u></p> <ul style="list-style-type: none"> ✓ Nathan J. Junius, P.E., P.L.S. ✓ Daniel D. Bindewald ✓ Paul H. Morales, IV </div> 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2/2021	\$70,000	\$70,000

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:

<p>Public</p> <ul style="list-style-type: none"> • 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 	<p>Private</p> <ul style="list-style-type: none"> • 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 **two full time Registered Professional Land Surveyors** and maintains **four 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.

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.

Linfield, Hunter & Junius, Inc. firm principal Nathan J. Junius, P.E., P.L.S., PTOE is a Registered Professional Civil Engineer and **Registered Land Surveyor** in Louisiana with over twenty-one (21) years' experience in land surveying.

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 **two full time Registered Professional Land Surveyors** and maintains **four fully staffed survey field crews** who are equipped with modern vehicles and state of the art survey equipment for both conventional and GPS surveying. Our crews have worked in difficult terrain conditions, including coastal marshes, and are equipped for and experienced at performing topographic, boundary, topographic bathymetric, right-of-way, control, and hydrographic surveys as well as performing bench leveling, construction layout surveys and settlement monitoring surveys. Our CADD Drafters are highly experienced in working with both Bentley MicroStation and Autodesk AutoCAD as

TEC Professional Services Questionnaire

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 – 21 years of land surveying experience
- William J. Muller, P.L.S./Professional Land Surveyor – 40+ 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.

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

TEC Professional Services Questionnaire

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 thirty-nine (39) 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.

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

TEC Professional Services Questionnaire

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 Requiring Surveying Services 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
- 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:

TEC Professional Services Questionnaire

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: President

Date: March 31, 2023

TEC Professional Services Questionnaire



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, Louisiana 70002

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000532	Active	06/15/2004	09/30/2024	Mr. Nathan John Junius # PLS.0004958 - Active



Basin Engineering & Surveying

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Professional Mechanical & Engineering Services
Resolution No. 141493

B. Firm Name & Address:

Basin Engineering & Surveying
2811 B Toulouse St.
New Orleans, La 70119

C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

Daniel F. Bobeck, P.E.
Principal
504-766-0526
dfbobeck@basinengllc.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.

Daniel F. Bobeck, P.E.
Principal
504-766-0526
dfbobeck@basinengllc.com

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

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

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.		
2.		
3.		

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

5

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:

Daniel F. Bobeck, P.E.
Principal

Project Assignment:

Structural Engineering Manager

Name of Firm with which associated:

Basin Engineering & Surveying

Years' experience with this Firm:

2 Years

Education: Degree(s)/Year/Specialization:

BS Civil Engineering 2009

Active registration: Year first registered/discipline:

2014 Louisiana Professional Engineer - Civil/Structural

Other experience and qualifications relevant to the proposed Project:

Mr. Bobeck has 15 years of engineering experience providing civil and structural engineering design and project management for a wide range of public and private clients. Mr. Bobeck oversees all aspects of the structural department at Basin Engineering & Surveying. Mr. Bobeck has provided design and project management for buildings, wharves, bridges, flood control structures, and near shore gas platforms as well as custom pre-cast concrete structures for various LNG facilities across the Gulf South. Prior to Co-founding Basin Engineering and Surveying, Mr. Bobeck was employed by Linfield, Hunter & Junius Inc. from 2009 to 2021.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/30/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Daniel Francis Bobeck Jr.
3608 18th Street
Metairie, Louisiana 70002

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Daniel Francis Bobeck Jr.		
License/Certificate Type - Number	Expiration Date	
PE.0038640	09/30/2024	
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

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TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Wesley R. Eustis, P.E. Principal
Project Assignment:
Civil Engineering Manager
Name of Firm with which associated:
Basin Engineering & Surveying
Years' experience with this Firm:
2 Year
Education: Degree(s)/Year/Specialization:
BS Civil Engineering 2004, Civil Engineering
Active registration: Year first registered/discipline:
2010 Professional Engineer - Civil Engineering 2019 Professional Land Surveyor
Other experience and qualifications relevant to the proposed Project:
Mr. Eustis has 18 years of civil engineering experience covering a vast array of civil engineering projects. Mr. Eustis was formerly employed at Linfield, Hunter & Junius, Inc. between the years 2004 through 2021 and reached the position of Vice President prior to co-founding Basin Engineering & Surveying in July 2021. He has successfully completed numerous street, sewer, water, and drainage projects throughout Jefferson Parish in his time as an engineer.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/30/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Wesley Reid Eustis
2811 B Toulouse Street
New Orleans, Louisiana 70119

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	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	03/31/2024	
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

As of 3/30/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Wesley Reid Eustis
2811 B Toulouse Street
New Orleans, Louisiana 70119

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	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	09/30/2024
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).

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.

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TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Kirk J. Henry, P.E., S.E. Senior Structural Engineer
Project Assignment:
Design Engineer
Name of Firm with which associated:
Basin Engineering & Surveying
Years' experience with this Firm:
1 Year
Education: Degree(s)/Year/Specialization:
BS Civil Engineering 1999, Civil Engineering
Active registration: Year first registered/discipline:
2004 Professional Engineer - Civil Engineering 2006 Structural
Other experience and qualifications relevant to the proposed Project:
Mr. Henry has a broad base of structural design experience in the municipal, industrial, and commercial sectors of building construction. He has performed engineering calculations including the analysis and design of structures composed of steel, concrete, wood, masonry, cold-formed light gauge steel, stainless steel, and aluminum, along with the coordination of all aspects of the building details with the architectural, mechanical, and electrical drawings. He has also designed pile supported and soil supported foundations for numerous types of structures. He has prepared and overseen the preparation of CAD drawings including plans, elevations, sections, details, and specifications to serve as construction documents. Mr. Henry has also performed cost estimations for design development phases and for bidding purposes.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/30/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Kirk James Henry		
License/Certificate Type - Number	Expiration Date	
PE.0031062	03/31/2024	
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:
Michael A Carter, P.E. Senior Engineer/ Project Manager
Project Assignment:
Design Engineer
Name of Firm with which associated:
Basin Engineering & Surveying
Years' experience with this Firm:
1 Year
Education: Degree(s)/Year/Specialization:
BS Civil Engineering 1975, Civil Engineering BA Architecture 1974
Active registration: Year first registered/discipline:
1980 Professional Engineer - Civil Engineering
Other experience and qualifications relevant to the proposed Project:
Mr. Carter is primarily a design engineer that focuses on private and public, civil, structural, and architectural projects. Mr. Carter has over 47 years of structural and civil design experience including municipal and commercial buildings, streets, roadways, highways, bridges, project coordination and management. He has been in responsible charge of a wide variety of projects. Mr. Carter has also been a licensed building contractor for 37 years.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/30/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mr. Michael Arthur Carter	
License/Certificate Type - Number	Expiration Date
PE.0018651	03/31/2024
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:
Jedidiah S. Hellmich Senior Engineer
Project Assignment:
Senior Civil Engineer
Name of Firm with which associated:
Basin Engineering & Surveying
Years' experience with this Firm:
1 Year
Education: Degree(s)/Year/Specialization:
BS Civil Engineering 2008 - Civil Engineering MS Civil Engineering 2011
Active registration: Year first registered/discipline:
2015 Professional Engineer - Civil Engineering 2016 Professional Traffic Operations Engineer
Other experience and qualifications relevant to the proposed Project:
Mr. Hellmich is a registered professional Civil Engineer with over 13 years of engineering experience. he has extensive experience as a design engineer and project/construction manager. Mr. Hellmich has performed engineering and project/construction management duties on a variety of municipal, commercial and industrial projects. Prior to joining Basin Engineering & Surveying in May of 2022, Mr. Hellmich was the Lead Civil/Structural Engineer and Project Manager at the Phillips 66 Alliance Refinery where he worked for 2 years. Prior to that Mr. Hellmich was a Senior Engineer/Project Manager at Linfield, Hunter & Junius Inc. where he worked for 11 years.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/30/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Jedidiah Scott Hellmich
Hwy 23
Belle Chasse , Louisiana 70065

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mr. Jedidiah Scott Hellmich	
License/Certificate Type - Number	Expiration Date
PE.0039453	09/30/2023
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:
Connor J. Glennon, P.E. Engineer/Project Manager
Project Assignment:
Design Engineer
Name of Firm with which associated:
Basin Engineering & Surveying
Years' experience with this Firm:
2 years
Education: Degree(s)/Year/Specialization:
BS Civil Engineering 2018 - Civil Engineering
Active registration: Year first registered/discipline:
2022 Professional Engineer - Civil Engineering
Other experience and qualifications relevant to the proposed Project:
Mr. Glennon has 4 years of engineering design and project management experience providing design engineering services for various site development, both public and private. Mr. Glennon provides civil site design, roadway design, drainage design and design of associated structural supports. Prior to joining Basin Engineering & Surveying, Mr. Glennon worked as a design engineer at Linfield, Hunter & Junius, Inc. for 3 years.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/30/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Connor Joseph Glennon
2811 B Toulouse Street
New Orleans, Louisiana 70119

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mr. Connor Joseph Glennon	
License/Certificate Type - Number	Expiration Date
PE.0046886	09/30/2024
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:
Payton J. McNeil, E.I.
Project Assignment:
Design Engineer
Name of Firm with which associated:
Basin Engineering & Surveying
Years' experience with this Firm:
2 years
Education: Degree(s)/Year/Specialization:
BS Civil Engineering 2021 - Civil Engineering
Active registration: Year first registered/discipline:
Registered Engineering Intern 2021 - Civil Engineering
Other experience and qualifications relevant to the proposed Project:
Mr. McNeil has provided structural design for various building projects in Louisiana. He assists the Senior Engineers at Basin in providing structural calculations and CAD drafting.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/30/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Payton James McNeil
2811B Toulouse Street
New Orleans, Louisiana 70119

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mr. Payton James McNeil	
License/Certificate Type - Number	Expiration Date
EI.0035039	03/31/2024
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

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:	
Deep South Studios New Orleans, Louisiana Scott Niemeyer 504-272-2339	Basin Engineering & Surveying provided the structural design for (6) movie production studio buildings totaling 120,300 square foot. Basin provided design of the pile supported foundations, structural steel, clear span trusses and various lightpole, transformer and mechanical equipment foundations for the 27 acre studio development.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Under Construction Estimated completion August 2023	\$ 105 Million	\$ 48 Million

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
West Calcasieu Airport - Southland Field Hangars A, B & C West Calcasieu Airport Lake Charles Louisiana Tim Lafleur 337-583-9144	Basin Engineering & Surveying provided design of the pile supported foundations for the three replacement airplane hangars destroyed by hurricane Laura. Basin also provided specification of the pre-engineered metal buildings.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Estimated Completion July 2023	\$5.2 Million	\$3 Million

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Gauthier Road Sanitary Sewer Transport System Phase 2 Improvements Lake Charles, Louisiana Calcasieu Parish Police Jury James A. Geihlsler jgeihlsler@calcasieuparish.gov	Basin Engineering & Surveying provided structural design of the 41ft by 35ft by 30ft deep wet well and pump supports.	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Fall 2023	\$ 6.5 Million	\$4.0 Million

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
South Street Lift Station and Force Main. Town of Vinton Calcasieu Parish Louisiana Town of Vinton 1-337-589-7453	Basin Engineering & Surveying provided design of the pre-cast concrete wet well and pump station foundations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Estimated to be complete Spring 2024	\$1.75 Million	\$650,000.00

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Waterworks District No. 3 Beauregard Parish, New Waterplant	Basin Engineering & Surveying provided design of the ringwall foundation for a 38ft diameter ground supported water storage tank as well as foundation designs for various pump buildings.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Estimated Completion Spring 2023	\$2.8 Million	\$1.0 Million

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Gator Express Platforms Plaquemines Parish Louisiana Venture Global Lance Perry 713-850-3499	Basin Engineering & Surveying provided design of two precast concrete platforms and piles located in Barataria Bay. The platforms were 350ft by 150ft and 165ft by 140ft respectively. Each platform was designed for a storm with a 100year return period.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Under Construction to be complete July 2023	\$58 Million	\$22 Million

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Life Storage Brookwood Properties Various locations in Louisiana Robbie Piper 225-763-2950	Basin Engineering & Surveying has provided Civil Site Design and Land Surveying services for 17 life storage buildings across Louisiana. Basin handles site design, permitting and construction layout for all sites.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
All in various stages of construction	\$7million each	\$7million

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Port of Lake Charles Industrial Park East - Warehouse Expansion Lake Charles, Louisiana Port of Lake Charles Nick Pestello 337-493-3627	This project included design of a 22,000 square foot warehouse expansion and elevated steel loading dock. The Industrial Park East serves two rail lines that currently do not have loading dock access. Basin provided land surveying and structural engineering to design a new portion of warehouse that covers the the rail line to allow for loading and unloading of bulk container car cargo. Basin also provided design for a new ramp and loading dock for access to the rail cars for container handling equipment.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Estimated Late 2023	\$1.3 Million	\$1.3 Million

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
CarMax Facility Expansion Kenner, LA CarMax Auto Superstores Inc. Rick Steioff 404-358-4953	Design of expansion for parking facilities, utility extensions, and surcharge grading for the expansion of the CarMax facility in Kenner, LA. Basin provided land surveying services for monitoring of the surcharge program as well as the civil site design for the asphalt paving and extension of utilities, including drainage.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Under Construction	\$2.5 Million	\$2.5 Million

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
R039 Filmore North Group C New Orleans, LA City of New Orleans David Pearson 504-453-9615	Basin provided a drainage study for the Filmore road repaving project. This project included developing pre and post runoff analysis and report for replacing damaged underground water, sewer and drainage lines, repaving the roadway, replacing damaged sidewalks and driveway aprons, and installing ADA compliant curb ramps at intersections.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2024	\$4.9 Million	\$4.9 Million

TEC Professional Services Questionnaire

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

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

Jefferson Parish State of Louisiana

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

Signature:  Print Name: Daniel F. Bobeck
 Title: Principal Date: 3/29/2023

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

Name: Basin LLC
Public Address: 2811-B Toulouse Street
New Orleans, Louisiana 70119

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0007118	Active	07/01/2021	03/31/2024	Mr. Daniel Francis Bobeck Jr. # PE.0038640