



August 12, 2022

Donna Evans  
Jefferson Parish Purchasing Department  
DMEVANS@jeffparish.net

**RE: Jefferson Parish Supplemental Coastal Engineering and Consulting Services  
SOQ 22-036, Resolution No. 139868**

Dear Ms. Evans:

Southern Shores Engineering, LLC (SSE), along with our sub-consultants, (SSE Team), Moffatt & Nichol, Inc and Fugro USA Land, Inc. is pleased to submit a Statement of Qualifications for Resolution No. 139868, SOQ 22-036. The SSE Team offers an unparalleled resume regarding coastal engineering consulting qualifications and experience. SSE personnel and our team members have been working to restore the Louisiana coast since before the inception of the first Master Plan. Although a new firm, SSE engineers in the past have performed numerous marsh and ridge restoration, shoreline stabilization, and barrier islands restoration projects throughout coastal Louisiana. Our proven track-record of coastal engineering design and implementation expertise will ensure the delivery of projects on-time and within budget. With coastal restoration as our focus, our local knowledge, specialized training, and field experience provide unique advantages to Jefferson Parish. Our professionals lead the niche that is coastal design and have repeatedly implemented projects with varying environmental and engineering complexities.

SSE is a small, woman-owned Hudson firm located in Louisiana. Our proposed field teams are all located in Louisiana, keeping costs competitive. As a small business, red tape is minimized, and our clients are able to enjoy the benefits of immediate, dedicated service. With a deep bench of support through close working relationships with our subs, no job is too large for this team to execute. SSE has teamed with several sub-consultants who have also performed extensive work throughout coastal Louisiana over recent decades, including but not limited to modeling studies, surveying services, geotechnical engineering, environmental and permitting services, and public outreach.

Enclosed are details regarding our team's expertise and experience. The SSE Team will commit to performing the services described to industry standards and exceed expectations relative to collaboration and expertise. We pride ourselves in imparting a unique knowledge base to get projects designed quickly and put in the ground. We will work closely with Jefferson Parish to ensure projects entrusted to us are not only cost-effective but delivered with targeted environmental and societal benefits.

We are excited about the opportunity to support Jefferson Parish in implementing future coastal protection and restoration projects, and we look forward to furthering the preservation of our beloved coastal Louisiana.

Sincerely,

Whitney Thompson, P.E.  
Principal  
wthompson@southernshoreseng.com

Statement of Qualifications  
Jefferson Parish  
Supplemental Coastal Engineering and Consulting Services  
Resolution No. 139868, SOQ 22-036

## Table of Contents

### Cover Letter

Letter.....	1
-------------	---

### Table of Contents

Table of Contents.....	2
Executive Summary.....	3

### Standard Forms

Southern Shores Engineering, LLC TEC Professional Services Questionnaire.....	5
Moffatt & Nichol, Inc. TEC Professional Services Questionnaire	
Fugro USA Land, Inc. TEC Professional Services Questionnaire	



## EXECUTIVE SUMMARY

### COASTAL LOUISIANA – PRESERVING OUR HOME

The Louisiana way of life is a unique treasure. However, Louisiana's natural habitats, culture, and infrastructure are threatened by high land loss rates and rising sea levels. Coastal restoration and protection programs on the local, state, and federal levels in Louisiana are unmatched by others in the country. To support the ambitious goals set forth by Jefferson Parish, the Southern Shores Engineering Team (SSE Team) submits a statement of qualifications herein to provide engineering expertise and implementation support to execute successful projects. The personnel on our team have provided exceptional service to coastal stakeholders in Louisiana over the last decades, leading key restoration projects. Southern Shores Engineering (SSE) has a proven track record of providing quality engineering and implementation support and stands ready to assist the Parish in providing consulting services.

### INTRODUCTION TO THE SSE TEAM

SSE prides itself in diligently supporting clients by providing specialized expertise in coastal engineering. A Louisiana-based, small, woman-owned firm, SSE personnel are exceptionally familiar with coastal processes unique to Louisiana, local soil conditions, sensitive marine ecosystems, sediment resources, coastal infrastructure, and the coastal marine construction industry, providing a strong foundation to support implementation of successful, efficient restoration projects. With our sub-consultants, our team presents unmatched credentials to provide services for coastal restoration projects. This statement of interest and qualifications details our team's vast experience and specialized resume.

Coastal restoration in Louisiana is our focus; we are not a large firm that merely has a coastal branch. Our engineers have spent their entire careers focusing on Louisiana restoration. Our team members have tackled the most complex projects to support the restoration of our state. Our approach is based in coastal process theory, and our team has spent years on-site during coastal restoration projects, honing our expertise and strengthening our ability to serve clients. Our professionals have years of experience providing design services for marsh and ridge creation, beach and dune restoration, shoreline protection, living shorelines, beneficial use, and sediment management projects, among others, across Louisiana.

### UNPARALLELED LOUISIANA EXPERIENCE

Although SSE is a new firm, our professionals have led local, state, and federal restoration projects over many years. The development of our company filled the need for a local coastal engineering firm with people who have lived and worked on the unique Louisiana coast their whole lives. The nuances and intricacies that make up our state's coastal system are significantly different from those found elsewhere. The SSE Team has a deep understanding of these unique regional conditions, which will benefit the Parish. Our subject matter experts have been an integral part of the evolution of coastal design protocol in Louisiana designing and implementing projects for government agencies from Cameron Parish to St. Bernard Parish.



*Whitney Thompson led the data collection, engineering, and construction of the Golden Triangle Marsh Creation, highlighting ability to perform every aspect of a major restoration project*

### OUR TEAM

Our coastal restoration institutional knowledge and experience working with various agencies help us to develop solutions that achieve the most effective restoration programs and habitat preservation. This coupled with our team continually refining our processes by including the latest technology, procedures, and equipment provides cost-efficient, successful projects on accelerated schedules. Our engineers recently completed a marsh restoration design for a private client in Louisiana on an enhanced schedule, finishing within four months.

SSE's principal, Whitney Thompson, is an industry expert in coastal engineering, having led exclusively coastal restoration projects in Louisiana for the past 17 years. Ms. Thompson has been on the forefront of marsh restoration engineering since before the initial Master Plan, playing a key part in developing marsh design industry standards. Ms. Thompson has overseen the placement of tens of millions of cubic yards of dredged material for restoration



of the most dynamic coastlines and has managed projects up to \$120,000,000 in value. Our engineers have recently led projects such as Golden Triangle Marsh Restoration, Oyster Bayou Marsh Restoration and Terracing, Shell



Island Restoration, Chenier Ronquille Barrier Island Restoration, and Raccoon Island Shoreline Stabilization and Hydrologic Restoration. We have also recently provided support to other teams for projects such as the Bayou Dularge Marsh, Ridge, and Hydrologic Restoration project.

To supplement our design expertise, we have brought together top firms with valuable experience in coastal Louisiana to assist with data collection and analysis. Supporting SSE with hydrologic and hydraulic modeling, biological and environmental assessments of wetlands, coastal grant writing, and outreach and educational support, **Moffatt and Nichol, Inc.**'s past experience in coastal Louisiana combined with its thorough understanding of numerical modeling and coastal processes will facilitate efficient and timely delivery of project tasks. **Fugro USA Land, Inc.** (Fugro) brings extensive experience in coastal Louisiana to provide geotechnical and surveying support.

### PROVEN TRACK RECORD & PERFORMANCE

After data collection and analysis, coastal restoration projects heavily rely on engineering logistics, and success requires specialized experience; these are no traditional civil works projects. Marsh and barrier island design standards and technologies have evolved over the course of Louisiana's growing restoration program, and our team members have detailed knowledge of design and implementation processes to ensure ecological success as well as protection of our people and infrastructure. Our engineers have a proven track record of providing detailed construction plans and specifications and developing accurate construction cost estimates. This is imperative in guiding the client to ensure budgets are accurate as to prevent delays. Coastal protection and restoration projects

are as dynamic as Louisiana's coast, and designs should be treated as such. Our engineers evaluate design alternatives in the context of project objectives and incorporate the latest technology as tools to improve performance and longevity of projects. With our team's vast experience in evaluating coastal processes and soil consolidation and movement, coupled with world-class numerical modeling capabilities, Jefferson Parish projects entrusted to our team will be designed with the most modern tools and expertise to ensure project success.

### WHY CHOOSE THE SOUTHERN SHORES TEAM?

SSE has a unique understanding of coastal Louisiana, as our careers have centered around restoration of the Gulf coast. This familiarity coupled with our detailed knowledge of the local marine construction industry provides a valuable resource to the Parish. Our engineers have designed and permitted some of the most complex restoration projects, such as Shell Island, where 10 million cubic yards of Mississippi River sand were successfully dredged after coordinating with Mississippi River stakeholders and permitting complex borrow areas. Our engineers have spent years on the ground during barrier island projects such as Chenier Ronquille, overseeing habitat creation in the most dynamic barrier island systems. We have written specifications for Mississippi River dredging and overseen dredge compliance in this critical shipping corridor. Our engineers have evaluated changing landscapes over time to deliver marsh restoration projects with habitat benefits that last for decades. We are familiar with the challenges that the coastal zone faces on a daily basis, such as sensitive marine habitats, existing infrastructure, soil properties, dredging impacts, sediment conveyance systems, shoreline retreat, and habitat sustainability. These unique projects require unique resumes, and our company is the practical solution to provide these. We look forward to continuing our work restoring and protecting this invaluable place we call home.





**Southern Shores Engineering, LLC  
TEC Professional Services Questionnaire**

## **Technical Evaluation Committee (TEC) Questionnaire**

### **Instructions**

- The Technical Evaluation Committee (TEC) Questionnaire shall be used for professional services related to architecture, engineering, or survey projects.
- **The TEC Questionnaire should be completely filled out. Complete and attach ALL sections. Insert “N/A” or “None” if a section does not apply or if there is no information to provide.**
- Questionnaire must be signed by an authorized representative of the Firm. Failure to sign the questionnaire shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- All subcontractors must be listed in the appropriate section of the Questionnaire. Each subcontractor must provide a complete copy of the TEC Questionnaire, applicable licenses, and any other information required by the advertisement. Failure to provide the subcontractors' complete questionnaire(s), applicable licenses, and any other information required by the advertisement shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- If additional pages are needed, attach them to the questionnaire and include all applicable information that is required by the questionnaire.

## TEC Professional Services Questionnaire

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

SOQ 22-036 Coastal Engineering Supplement  
Resolution No. 139868

**B. Firm Name & Address:**

Southern Shores Engineering, LLC  
2251 Drusilla Ln. Suite D.  
Baton Rouge, LA 70809

**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:**

Whitney C. Thompson, PE  
Principal  
2251 Drusilla Ln. Suite D  
Baton Rouge, LA 70809  
Phone: 225-252-5544  
Email: wthompson@southernshoreseng.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.**

Whitney C. Thompson, PE  
Principal  
2251 Drusilla Ln. Suite D  
Baton Rouge, LA 70809  
Phone: 225-252-5544  
Email: wthompson@southernshoreseng.com

**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 checked="" type="checkbox"/> 3 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		<input checked="" type="checkbox"/> 3 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.

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. Moffatt & Nichol, Inc. 601 Poydras Street, Suite 1860 New Orleans, LA 70130	Hydrologic and Hydraulic Modeling Biological & Environmental Assessments of Wetlands Coastal Grant Writing Outreach, Education, & Marketing Materials	No
2. Fugro USA USA, Inc. 4233 Rhoda Drive Baton Rouge, LA 70816	Geotechnical Engineering Surveying	No
3.		

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

82 \_\_\_\_\_

## 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:**

Whitney C. Thompson, PE, Principal

**Project Assignment:**

Coastal Engineer/Principal

**Name of Firm with which associated:**

Southern Shores Engineering, LLC

**Years' experience with this Firm:**

2.5

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

B.S./2005/Civil Engineering

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

LA PE 0034825, 2009/Civil Engineering

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

Ms. Thompson is an industry expert in coastal engineering, having led coastal restoration and water resources projects for 17 years. She is responsible for the design and management of projects including marsh creation, beneficial use, ridge restoration, shoreline stabilization, barrier island restoration, and living shoreline. Ms. Thompson has worked closely with state and federal agencies, as well as the private sector, leading clients from feasibility to permitting and design and through construction. Ms. Thompson has extensive experience with coastal engineering and analysis as well as coastal zone permitting, having permitted some of the most complex dredging projects in the Gulf Coast region. Ms. Thompson has implemented over a dozen restoration projects in Louisiana and has designed over 4,000 acres of habitat and managed construction projects up to \$120,000,000 in value.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Christopher Paul, PE Coastal Engineer/Project Manager
<b>Project Assignment:</b>
Coastal Engineer
<b>Name of Firm with which associated:</b>
Southern Shores Engineering, LLC
<b>Years' experience with this Firm:</b>
2
<b>Education: Degree(s)/Year/Specialization:</b>
BS/2014/Civil Engineering BA/2008/Business Administration
<b>Active registration: Year first registered/discipline:</b>
LA PE 0043282, 2018/Civil Engineering
<b>Other experience and qualifications relevant to the proposed Project:</b>
Christopher Paul, PE, is responsible for the design, management, and construction observation of coastal restoration projects including marsh creation/dredging, shoreline protection, and barrier island restoration. He focuses on applied engineering principles such as hydraulics, hydrology, coastal processes, and geotechnical engineering. He performs engineering calculations, prepares plans and specifications for construction, and produces estimated construction costs for restoration projects. During construction, he is responsible for observations and oversight including daily construction observation reports, dredge compliance analysis, sediment compatibility analysis, pay survey data QA/QC, volume computations and pay recommendations, field adjustment reports, change orders, permit compliance reporting and moderating construction meetings.



## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
John Darnall, EI Coastal Engineer
<b>Project Assignment:</b>
Coastal Engineer
<b>Name of Firm with which associated:</b>
Southern Shores Engineering, LLC
<b>Years' experience with this Firm:</b>
2
<b>Education: Degree(s)/Year/Specialization:</b>
MS/2016/Coastal and Marine Engineering and Management BS/2014/Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
LA EI 33971, 2019/Civil Engineering 2017/FAA UAS Remote Pilot #3996624
<b>Other experience and qualifications relevant to the proposed Project:</b>
John Darnall, EI, is responsible for the design and construction administration of coastal restoration projects including marsh creation/dredging, shoreline protection, and barrier island restoration. He focuses on applied engineering principles such as hydraulics, hydrology, coastal processes, and geotechnical engineering. He performs engineering calculations, prepares plans and specifications for construction, and produces estimated construction costs for restoration projects. During construction, he is responsible for construction observations and oversight including daily construction observation reports, dredge compliance analysis, sediment compatibility analysis, documentation of construction activities, pay survey data QA/QC, volume computations and pay recommendations, field adjustment reports, change orders, permit compliance and moderating construction meetings.

**TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
N/A
<b>Project Assignment:</b>
<b>Name of Firm with which associated:</b>
<b>Years' experience with this Firm:</b>
<b>Education: Degree(s)/Year/Specialization:</b>
<b>Active registration: Year first registered/discipline:</b>
<b>Other experience and qualifications relevant to the proposed Project:</b>

**TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
N/A
<b>Project Assignment:</b>
<b>Name of Firm with which associated:</b>
<b>Years' experience with this Firm:</b>
<b>Education: Degree(s)/Year/Specialization:</b>
<b>Active registration: Year first registered/discipline:</b>
<b>Other experience and qualifications relevant to the proposed Project:</b>



## 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>Golden Triangle Marsh Creation Engineering and Design Orleans/St. Bernard Parishes Vida Carver, PE, Project Manager CPRA 150 Terrace Ave. Baton Rouge, LA 70802 225-342-2799 Vida.Carver@la.gov</p>	<p>SSE was contracted in 2020 to complete design for this project, which is currently in construction. SSE personnel led the regulatory and permitting process and developed Plans and Specifications for the project. An opinion of probable construction cost was also developed.</p> <p>Approx. 800 acres of marsh habitat creation will be constructed via hydraulic dredging from a borrow area within Lake Borgne.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2023	\$35,000,000	\$65,000

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Golden Triangle Marsh Creation Construction Admin/Inspection Orleans/St. Bernard Parishes Vida Carver, PE, Project Manager CPRA 150 Terrace Ave. Baton Rouge, LA 70802 225-342-2799 Vida.Carver@la.gov</p>	<p>SSE was contracted for bid support and construction administration and observations for this project, which is currently in construction.</p> <p>Approx. 800 acres of marsh habitat creation will be constructed via hydraulic dredging from a borrow area within Lake Borgne.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2023	\$35,000,000	\$605,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
Golden Triangle Shoreline Protection Orleans/St. Bernard Parishes Vida Carver, PE, Project Manager CPRA 150 Terrace Ave. Baton Rouge, LA 70802 225-342-2799 Vida.Carver@la.gov	After creating new wetland habitat along the Lake Borgne rim, a shoreline protection feature was required to protect the project against wind-driven wave erosion. Southern Shores Engineering, LLC was retained to perform design calculations, prepare the construction documents, develop an opinion of probable cost, and conduct construction administration and observations for CPRA. A design wave was calculated based on wind and fetch data for the Lake Borgne area. This information was used to evaluate potential designs to protect against wind wave erosion as well as toe scour.	
<b>Completion Date (Actual or estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
January 2023	\$1,000,000	\$18,000

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Bayou Dularge Ridge, Marsh, and Hydrologic Restoration Terrebonne Parish, LA NRCS, Nicholas McCoy, P.E., 646 Cajundome Blvd, Suite 180 Lafayette, LA 70506 337-658-4712 nicholas.mccoy@usda.gov Sub to: Sigma Consulting Group	Sigma Consulting Group, Inc. subcontracted SSE for engineering and design services for the Bayou Dularge Ridge, Marsh, and Hydrologic Restoration Project. SSE's role is leading dredging and equipment access design as well as performing independent technical review of marsh and coastal ridge habitat features. SSE also led shoreline stabilization engineering and design for the Grand Pass hydrologic restoration structure.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
November 2021	\$61,000,000 (Estimated construction cost)	\$142,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Bayou Dularge Ridge and Marsh Restoration Terrebonne Parish, LA  Todd Baker CPRA 150 Terrace Ave. Baton Rouge, LA 70802 225-342-4807 Todd.Baker@la.gov Sub to: Sigma Consulting Group	Sigma Consulting Group, Inc. subcontracted SSE for engineering and design services for the Bayou Dularge Ridge and Marsh Project. SSE's role is leading dredging and equipment access design as well as performing independent technical review of marsh and coastal ridge habitat features.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
January 2023 (design)	\$35,000,000	\$18,000

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Proctor Point Marsh Creation and Shoreline Stabilization Feasibility Study, St Bernard Parish, LA Restoration Systems 1101 Haynes St. Suite 211 Raleigh, NC 27604 George Howard, CEO 919-306-4258 george@restorationsystems.com	SSE was contracted by Restoration Systems to conduct a study for the Proctor Point Marsh Creation and Shoreline Stabilization Project to evaluate the feasibility and conceptual cost of marsh enhancement via hydraulic dredging coupled with shoreline protection. The Proctor Point wetlands are an important natural buffer that is one of the multiple lines of defense protecting vulnerable communities in and around the city of New Orleans from storm surge. The Proctor Point wetlands consist of brackish and saline marshes and serve as valuable habitat for wildlife, fish, and shellfish.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Planning phase completed 7/2021	\$40,000,000	\$4,000



## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Post-Ida Storm Damage Assessment St. John the Baptist Parish, LA  Kurt Evans SJB Group, LLC 8377 Picardy Ave. Baton Rouge, LA 70809 225-769-3400 Kurt.Evans@SJBGroup.com	UAV survey for Post-Hurricane Ida storm damage assessment.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Completed February 2022	Unknown	\$6,000

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

## TEC Professional Services Questionnaire

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

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

## 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.**

See attached page.

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

Signature: Whitney Thompson Print Name: Whitney Thompson, PE  
 Title: Principal Date: 08/12/2022

## Section N (continued)

Southern Shores Engineering LLC (SSE) commits to supporting clients in providing specialized expertise in coastal engineering. Our company was founded in 2020 upon our passion to provide quality engineering services in the most challenging of coastal environments. As a small, woman-owned Hudson firm located in Louisiana, we strive to deliver solid projects, thereby restoring the coast of Louisiana and beyond. Through the successful completion of dozens of projects, SSE engineers understand the different habitat types that make up the Gulf coast and the ecological synergies that must be developed through the design of a restoration project.

We specialize in coastal design, project management, coastal zone permitting, and construction administration, focusing on barrier island, marsh and ridge restoration, dredging, beneficial use, shoreline stabilization, and living shoreline projects. SSE personnel have designed restoration projects utilizing, offshore, nearshore, inland, and Mississippi River sediment for fill material to construct beach and dune, marsh, and barrier island shorelines, coordinating with navigation entities and tackling logistical challenges to successfully implement these projects. SSE personnel have diverse experience working with various agencies, specializing in coastal restoration project implementation.

SSE personnel are extremely familiar with coastal processes unique to Louisiana, local soil conditions, and the coastal Louisiana marine construction industry, providing a strong foundation to support implementation of the State's ambitious restoration plan. Our professionals have years of experience providing design services for marsh creation, barrier island, dredging, and shoreline protection projects, as well as conducting planning studies, supporting borrow area investigations and construction corridor design, and facilitating the implementation of projects.

Whitney Thompson, PE will be Jefferson Parish's single point of contact for this contract. Ms. Thompson has planned, designed, and implemented coastal engineering projects for over 17 years, exclusively in Louisiana. She will review and QA/QC all deliverables submitted by the team. As demonstrated on past restoration projects worked on by our team members, project delivery is guaranteed to be on-time and within budget. SSE is in the process of wrapping up two tasks for the CPRA, increasing capacity to prioritize new tasks for Jefferson Parish. With the support of Moffatt & Nichol, the SSE Team has the capacity to efficiently execute any coastal engineering task.

## **GENERAL, COASTAL, AND DREDGE PROJECT ENGINEERING**

### **Shoreline Protection/Stabilization**

Our engineers have designed and overseen construction of shoreline protection projects from Louisiana to Florida including breakwaters, groins, and terminal jetties. In one of the more unique habitats in Louisiana, SSE engineers designed a hydrologic restoration and shoreline stabilization project on Raccoon Island. Goals for this project included protecting the rookery and maintaining nesting habitat. Our engineers have vast experience with structures unique to different coastal environments. We understand the importance of providing global/regional solutions when it comes to these features as a strictly localized perspective can cause issues elsewhere. In addition, our engineers have conducted various inspections of coastal structures throughout the Gulf coast region. Recently, our engineers conducted structural inspections in Pinellas County (FL) including revetments, groins, breakwaters, and terminal jetties. Inspections included underwater and drone (UAS) monitoring to assess functionality and overall condition of the structures.

## **Marsh and Ridge Restoration and Terrace Design**

Intertidal marsh is a widespread habitat in the coastal zone that provides crucial wildlife benefits as well as flood protection value to our state. SSE engineers have been at the forefront of marsh design since before the first Master Plan. One of the key drivers of cost in the restoration of marsh is the availability and location of sediment resources for each project. SSE is very familiar with existing resources to identify potential sediment sources and have a thorough understanding of field data collection plans to facilitate marsh creation projects. We have vast experience designing borrow area alternatives to avoid adverse impacts to sensitive aquatic species, geomorphic features, and dissolved oxygen. Primary goals of marsh design are to restore land to its intended ecological function, which includes selecting elevations at which desired vegetative species thrive, thereby creating habitat for intertidal wildlife. Often coupled with marsh restoration is ridge restoration and/or terrace construction. SSE engineers have supported ridge design projects in the past for the CPRA, NRCS, and NMFS and have designed terraces for the CPRA. Our team has a strong reputation for producing detailed design reports and construction plans and specifications. We have an unmatched track record developing accurate engineers' opinions of construction costs based on our vast marsh restoration experience as well as thorough familiarity with the marine construction industry, providing accurate construction cost estimates to effectively guide the client's budget.

## **Barrier Island Restoration**

SSE engineers offer vast experience with respect to coastal engineering projects in the Gulf region including large-scale barrier island and headland restoration, back-barrier marsh creation design, living shorelines, shoreline stabilization, and barrier island vegetative plantings design. SSE personnel have experience managing morphological modeling studies, using results to develop stable, environmentally-conscious design alternatives that are tailored to enhance the sustainability of these systems. We have experience performing construction administration and inspection for Gulf coast barrier islands requiring intensive bird abatement to restore nesting bird habitats. SSE engineers have also designed Gulf coast barrier island vegetative planting projects, focusing on stabilizing beach, dune, and intertidal habitats, performed nursery inspections, and overseen planting installations in the field. We have developed monitoring and adaptive management plans for federal and state agencies and have overseen multiple barrier island and beach and dune monitoring studies in the Gulf states.

## **Waterway Dredging, Beneficial Use, and Navigation**

Southern Shores' engineers have been key players in several projects along the Mississippi River in Jefferson and Plaquemines Parishes. In addition to designing marsh and beach restoration projects that dredge Mississippi River sediment, we have designed and implemented navigation dredging projects in Florida, Alaska, and Canada. Several of these also incorporated shoreline protection and turning basins.

Whitney Thompson has designed numerous restoration projects utilizing Mississippi River sediment, focusing on seamless coordination between navigation interests and restoration stakeholders to maintain safe and efficient operations. She designed the first CPRA project utilizing Mississippi River sediment for the sole purpose of restoration. The Mississippi River Sediment Delivery System – Bayou Dupont



(BA-39) project was a turning point within Louisiana's restoration program. Utilizing a renewable sediment resource to restore degraded marsh in Plaquemines and Jefferson Parishes laid the groundwork for future projects to design and construct thousands of acres of marsh and beach habitat with high-quality Mississippi River sediment. Ms. Thompson has designed and implemented numerous sediment conveyance corridors at multiple locations throughout coastal Louisiana, implementing several approaches including jack and bore road crossings, open-cut phased construction, and vehicular ramps and navigational crossings, all while maintaining standard traffic and navigation operations, including hurricane evacuation routes and railroad use. She has permitted complex restoration projects, working closely with the U.S. Army Corps of Engineers, the CPRA, the Louisiana DOTD, railroad owners, multiple parishes, and the navigation industry to ensure project goals are met safely, efficiently, and with minimal interruptions to local daily operations. Ms. Thompson has coordinated with local pilots' associations to present Delft-3D modeling studies, describing projected changes to erosion and depositional patterns as well as river currents due to project construction and has developed a pathway for multiple, diverse Mississippi River stakeholders to continue day to day operations while realizing the global benefits of coastal restoration projects centered around the Mississippi River.

## **Habitat Assessment**

SSE personnel are well-versed in evaluating environmental benefits using quantitative projections of planform performance, analyzing the morphosis of different habitat types over the life of a project. These benefits calculations can also be converted to assess the cost-effectiveness of project alternatives as the value of each different type of habitat is annualized to provide an effective comparison tool. The result is an estimate of project performance relative to the project goals. These analyses inform the design team of ecological benefits that may be realized throughout the life of the project for each proposed design alternative. Our team places high value on empirical analyses such as these to evaluate restoration plans and assess project performance to recommend the most cost-effective alternative to the client that will meet the project objectives.

## **Construction Administration and Monitoring**

Having constructed numerous projects across Louisiana, our team has a long history of developing thorough construction plans and specifications, resulting in bids within the client's budget. Years of on-the-ground construction experience have imparted invaluable knowledge of marsh construction, which is reflected in our construction documents and cost-savings for clients. We consider all aspects of the construction process when developing cost estimates and utilize estimating models based on Louisiana dredging projects constructed over the last twenty years. SSE's engineers have provided construction administration and daily observations and reporting on several restoration projects in Louisiana.

Our engineers have performed materials sampling and testing on several CPRA projects and are well-versed in Quality Assurance. Our CPRA construction work has included construction administration and oversight of coastal restoration projects including daily construction observations, dredge compliance analysis, sediment QA/QC, documentation of construction activities, pay survey data QA/QC, volume computations and pay recommendations, field adjustment reports, change orders, and moderating construction meetings. The SSE Team is a valuable resource to ensure these projects are implemented correctly and as smoothly as possible.

## Section N (continued)

We have two Unmanned Aircraft Systems (UAS) pilots licensed with the Federal Aviation Administration (FAA) and have conducted drone operations on large-scale construction, environmental monitoring, and inspection projects. Our engineers utilize UAS to monitor construction progress, map pre- and post-construction conditions, assess site conditions, determine vegetative cover, conduct land/water analyses, and to conduct permit compliance on coastal restoration projects.

As a small company, SSE values relationships with other quality firms in our field. We enjoy working with the members of this team and look forward to continuing to collaborate with others. See attached forms for sub-consultants.

With many years of marsh restoration analysis, design, and construction experience coupled with local knowledge, the SSE Team is highly qualified to serve Jefferson Parish in implementing coastal protection and restoration projects. Coastal restoration is a unique field, and Southern Shores engineers have spent their entire careers in the evolving field of coastal design in Louisiana. Supported by a deep bench of sub-consultants, each aspect of Jefferson Parish projects entrusted to our team will be well-executed, on-time, and within budget. The SSE Team is particularly familiar with the CPRA Coastal Master Plan and the design processes that have become standard along the Louisiana coast. Our specialized experience will result in lower construction costs for the State. Our team lives and works in Louisiana, and we raise our kids here. We all share a passion for creating a sustainable coast for future generations to continue enjoying our environment, our culture, and being uniquely Louisiana.

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

Name:	Public Address:
Southern Shores Engineering, LLC	Ms. Whitney C. Thompson, PE2251 Drusilla Lane, Suite D Baton Rouge, Louisiana 70809

**License/Certificate Information w/ Supervision**


License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0006802	Active	03/19/2020	09/30/2022	Ms. Whitney Cash Thompson # PE.0034825 - Active



## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/11/2022 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Ms. Whitney Cash Thompson  
9456 Wesson Street  
Baton Rouge, Louisiana 70809

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LPELS)</b>	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 <a href="http://www.lapels.com">www.lapels.com</a>	
<b>Ms. Whitney Cash Thompson</b>		
License/Certificate Type - Number	Expiration Date	
<b>PE.0034825</b>	<b>03/31/2024</b>	
<b>Status: Active</b>		
<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>		

Fold Here

Cut Here

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.

**Moffatt & Nichol, Inc.**  
**TEC Professional Services Questionnaire**



## **Technical Evaluation Committee (TEC) Questionnaire**

### **Instructions**

- The Technical Evaluation Committee (TEC) Questionnaire shall be used for professional services related to architecture, engineering, or survey projects.
- **The TEC Questionnaire should be completely filled out. Complete and attach ALL sections. Insert “N/A” or “None” if a section does not apply or if there is no information to provide.**
- Questionnaire must be signed by an authorized representative of the Firm. Failure to sign the questionnaire shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- All subcontractors must be listed in the appropriate section of the Questionnaire. Each subcontractor must provide a complete copy of the TEC Questionnaire, applicable licenses, and any other information required by the advertisement. Failure to provide the subcontractors' complete questionnaire(s), applicable licenses, and any other information required by the advertisement shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- If additional pages are needed, attach them to the questionnaire and include all applicable information that is required by the questionnaire.

## 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		<b>___ TOTAL</b>

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

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

## TEC Professional Services Questionnaire

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

1.

2.

**H. Has this JOINT-VENTURE previously worked together? Please check:**  
**YES          NO**

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1.		
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:**

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
<b>Project Assignment:</b>
<b>Name of Firm with which associated:</b>
<b>Years' experience with this Firm:</b>
<b>Education: Degree(s)/Year/Specialization:</b>
<b>Active registration: Year first registered/discipline:</b>
<b>Other experience and qualifications relevant to the proposed Project:</b>



## **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:	

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
<b>Project Assignment:</b>
<b>Name of Firm with which associated:</b>
<b>Years' experience with this Firm:</b>
<b>Education: Degree(s)/Year/Specialization:</b>
<b>Active registration: Year first registered/discipline:</b>
<b>Other experience and qualifications relevant to the proposed Project:</b>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
<b>Project Assignment:</b>
<b>Name of Firm with which associated:</b>
<b>Years' experience with this Firm:</b>
<b>Education: Degree(s)/Year/Specialization:</b>
<b>Active registration: Year first registered/discipline:</b>
<b>Other experience and qualifications relevant to the proposed Project:</b>

## 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

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

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

## TEC Professional Services Questionnaire

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

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



## TEC Professional Services Questionnaire

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

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

## TEC Professional Services Questionnaire

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

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

## 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.		
2.		
3.		
4.		

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

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

Signature: Jonathan Hird Print Name: \_\_\_\_\_


Title: \_\_\_\_\_ Date: \_\_\_\_\_



## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/11/2022 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Jonathan Paul Hird  
2205 Ferndale Avenue  
Baton Rouge, Louisiana 70808

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LPELS)</b>	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 <a href="http://www.lapels.com">www.lapels.com</a>	
<b>Mr. Jonathan Paul Hird</b>		
License/Certificate Type - Number	Expiration Date	
<b>PE.0032299</b>	<b>09/30/2022</b>	
<b>Status: Active</b>		
<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.

If you need to make changes to your contact information, please choose one of the following options below:

Contact update for [Individuals and Firms](#)

License/Certificate Types:

EF = Engineering Firm

VF = Land Surveying Firm

CPD = Continuing Professional Development Sponsor/Provider

\*PE = Professional Engineer

\*PLS = Professional Land Surveyor

\*EI = Engineer Intern

\*LSI = Land Surveyor Intern

\*PE Discipline Codes


AG	Agricultural	ME	Mechanical
AR	Architectural	MI	Mining or Mineral
CH	Chemical	MT	Metallurgical
CE	Civil	MU	Manufacturing
CS	Control Systems	NV	Naval Architecture & Marine
EE	Electrical & Computer	NU	Nuclear
EV	Environmental	ST	Structural *
FP	Fire Protection	PT	Petroleum
IE	Industrial		
* An engineer that has passed the Structural I exam is listed as a Civil Engineer. An engineer that has passed both the Structural I and II exams is listed as Structural (ST) and a Civil (CE) Engineer.			



## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 9/27/2021 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Kevin Christopher Hanegan  
601 Poydras Street, Suite 1860  
New Orleans, Louisiana 70130

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LPELS)</b>	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 <a href="http://www.lapels.com">www.lapels.com</a>	
<b>Mr. Kevin Christopher Hanegan</b>		
License/Certificate Type - Number	Expiration Date	
<b>PE.0041433</b>	<b>09/30/2023</b>	
<b>Status: Active</b>		
<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.

If you need to make changes to your contact information, please choose one of the following options below:

Contact update for [Individuals and Firms](#)

License/Certificate Types:

EF = Engineering Firm

VF = Land Surveying Firm

CPD = Continuing Professional Development Sponsor/Provider

\*PE = Professional Engineer

\*PLS = Professional Land Surveyor

\*EI = Engineer Intern

\*LSI = Land Surveyor Intern

\*PE Discipline Codes

AG	Agricultural	ME	Mechanical
AR	Architectural	MI	Mining or Mineral
CH	Chemical	MT	Metallurgical
CE	Civil	MU	Manufacturing
CS	Control Systems	NV	Naval Architecture & Marine
EE	Electrical & Computer	NU	Nuclear
EV	Environmental	ST	Structural *
FP	Fire Protection	PT	Petroleum
IE	Industrial		
* An engineer that has passed the Structural I exam is listed as a Civil Engineer. An engineer that has passed both the Structural I and II exams is listed as Structural (ST) and a Civil (CE) Engineer.			

**Fugro USA Land, Inc.**  
**TEC Professional Services Questionnaire**



## **Technical Evaluation Committee (TEC) Questionnaire**

### **Instructions**

- The Technical Evaluation Committee (TEC) Questionnaire shall be used for professional services related to architecture, engineering, or survey projects.
- **The TEC Questionnaire should be completely filled out. Complete and attach ALL sections. Insert “N/A” or “None” if a section does not apply or if there is no information to provide.**
- Questionnaire must be signed by an authorized representative of the Firm. Failure to sign the questionnaire shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- All subcontractors must be listed in the appropriate section of the Questionnaire. Each subcontractor must provide a complete copy of the TEC Questionnaire, applicable licenses, and any other information required by the advertisement. Failure to provide the subcontractors' complete questionnaire(s), applicable licenses, and any other information required by the advertisement shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- If additional pages are needed, attach them to the questionnaire and include all applicable information that is required by the questionnaire.

## TEC Professional Services Questionnaire

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

SOQ No. 22-036, Coastal Engineering Supplemental  
Resolution No. 139868

**B. Firm Name & Address:**

Fugro USA Land, Inc.  
4233 Rhoda Drive  
Baton Rouge, LA 70816

**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:**

Eric Marx, P.E., Vice President/Principal  
Office (225) 292-5084  
emarx@fugro.com  
Professional Engineer: 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.**

Eric Marx, P.E., Vice President/Principal  
Office (225) 292-5084  
emarx@fugro.com  
Professional Engineer: Louisiana

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

<u>3</u> Administrative	<u>    </u> Estimators	<u>    </u> Specification Writers
<u>    </u> Architects (Licensed)	<u>1</u> Geologists	<u>    </u> Structural Engineers
<u>    </u> Chemical Engineers	<u>    </u> Geotechnical Engineers	<u>2</u> Graduate Engineers
<u>4</u> Civil Engineers	<u>    </u> Interior Designers	<u>1</u> Project Managers
<u>6</u> Construction Inspectors	<u>    </u> Landscape Architects	<u>    </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>    </u> Engineer Intern	<u>1</u> Environmental Engineers	
<u>3</u> Professional Land Surveyors		<u>21</u> <b>TOTAL</b>

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

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

## 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.  
N/A

**H. Has this JOINT-VENTURE previously worked together? Please check:**  
YES ☐ NO ☐

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. None		
2.		
3.		

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

7

## 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:**

Eric Marx, PE, Vice President/Principal

**Project Assignment:**

Principal Engineer, Geotechnical Engineering

**Name of Firm with which associated:**

Fugro USA Land, Inc.

**Years' experience with this Firm:**

20

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

MS / 2001 / Civil Engineering  
BS / 1999 / Civil Engineering

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

Professional Engineer: Louisiana, 2004, Civil

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

Since joining Fugro in 2001, Mr. Marx has developed experience in supervising all phases of geotechnical investigations for a varied list of projects across the Gulf Coast region including marsh creation, flood protection structures, bridges, pipelines, tunnels, structures, and shoreline protection.

**Selected Projects**

2007-2017, Indefinite Delivery Indefinite Quantity Contract for Soil Borings, Soil Testing and Geotechnical Design Support Services within the Limits of New Orleans District, New Orleans, LA - Mr. Marx served as Project Engineer for the Jefferson Lakefront Levee Enlargement, MRGO Closure Structure and facilitated the completion of geotechnical field and laboratory task orders in the amount of approximately \$150M over the 10-year program.

2017-2019, Geotechnical Services for Coastal Protection and Restoration Authority Projects, 2503-16-27 - Mr. Marx is the Principal-in-Charge for this program which has included three task orders for marsh creation projects in Louisiana. As PIC, Mr. Marx works with CPRA to develop budgets, oversee project execution, provide client updates, and guide engineering deliverables.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Samuel Bryant, PhD, PE, Senior Consultant
<b>Project Assignment:</b>
Geotechnical Engineering
<b>Name of Firm with which associated:</b>
Fugro USA Land, Inc.
<b>Years' experience with this Firm:</b>
36
<b>Education: Degree(s)/Year/Specialization:</b>
PhD / 1983 / Civil Engineering MS / 1979 / Civil Engineering BS / 1978 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
Professional Engineer: Louisiana, 2016, Civil
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Dr. Bryant has experience in supervising all phases of geotechnical investigations including field exploratory programs, laboratory testing programs, engineering analyses and evaluations, and report preparation. He has been involved in projects that include foundations in rock, in soft soils, and in highly expansive soils for multi-story structures, dams, embankments, tunnels, below ground excavations and structures, pipelines, and bridges. Dr. Bryant has extensive experience in materials testing, pavement design, and remediation of existing structures.</p> <p>Selected Projects          2014-2017, PO-0060-Permanent Canal Closures and Pumps (PCCP), Orleans and Jefferson Parish, LA - Fugro performed field investigations, geotechnical calculations and analyses, global stability, settlement predictions and field verification services. As Senior Consultant, Dr. Bryant provided technical oversight and performed geotechnical design calculations for floodwalls, deep excavations, pump stations, gate structures, generator buildings, earthen embankments.</p> <p>2018-Ongoing, BA-153 &amp; BS-030, Mid-Barataria and Mid-Breton Sediment Diversion Oversight Review Team (ORT), Plaquemines Parish, LA - Dr. Bryant is the lead geotechnical reviewer for CPRA performing geotechnical design review for the sediment diversion projects. Reviews include geotechnical field programs, design criteria and engineering for deep foundations, slope stability, settlement, and seepage.</p> <p>2017-2018, TE-0138, Bayou De Cade Marsh Creation and Ridge Restoration, Terrebonne Parish, LA - Dr. Bryant Served as the Engineer of Record and oversaw the field operations which included soil borings and Cone Penetration Test (CPT) soundings on air-boat mounted equipment and conducted geotechnical engineering analyses including slope stability for marsh ridges and settlement calculations for marsh platforms.</p> <p>2018-2020, CS-0065, East Pass Salinity Control Barrier, Coastal Protection and Restoration and Authority, Cameron Parish, LA - Dr. Bryant was the Engineer of Record for the project which included a 2,000-ft long salinity barrier wall across East Pass that will tie into existing levees. The wall includes cantilevered steel sheetpiles, a crushed rock sill and mooring dolphins.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Jack Koban, PhD, PE, PG, Project Manager
<b>Project Assignment:</b>
Project Manager, Geotechnical Engineering
<b>Name of Firm with which associated:</b>
Fugro USA Land, Inc.
<b>Years' experience with this Firm:</b>
7
<b>Education: Degree(s)/Year/Specialization:</b>
PhD / 2017 / Earth Science MS / 2008 / Earth Science BS / 2003 / Geological Engineering
<b>Active registration: Year first registered/discipline:</b>
Professional Engineer: Louisiana, 2010, Environmental Professional Geoscientist: Louisiana 2016
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Dr. Koban joined Fugro in 2015 as Laboratory Manager and was promoted to Project Manager in 2017. His experience spans a broad range of Federal and private sector jobs highlighted by work on the New Orleans hurricane protection system, and various coastal restoration and infrastructure projects. His individual project experience includes but is not limited to Phase I environmental assessments, geotechnical investigations, testing and reporting, as well as construction materials testing.</p> <p>In addition to project duties, Dr. Koban works to maintain relationships with various state and federal agencies such as LADOTD, CPRA, and USACE, as well as provide industry advocacy through his position on the boards of the ASCE Baton Rouge Branch, ASBPA Central Gulf Coast Chapter, and Coast Builders Coalition. In 2021, he served as co-chair of the ASBPA Coastal Summit and has authored multiple position statements for the ASBPA in support of expansion of GOMESA expansion and the RISEE Act, two pieces of legislation that will benefit Louisiana's coastal restoration efforts.</p> <p>Selected Projects 2018-2019, Proposed LNG Terminal, Pre-FEED Geotechnical Study, Lafourche Parish, LA - Dr. Koban served as project manager and project engineer for the geotechnical investigation and analysis, Survey, and Fault/Seismic Study performed in support of the FERC filing phase of a proposed LNG plant and export terminal in Port Fourchon, South Lafourche Parish, LA.</p> <p>2018-2019, CS-0079, Oyster Lake Marsh Creation, Cameron Parish, LA - Dr. Koban served as the lab manager for the Oyster Lake marsh creation project run through and duties were similar in scope to that of Bayou De Cade.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Mike Allen, PG, Project Geologist
<b>Project Assignment:</b>
Field logging and oversight, Geotechnical Engineering
<b>Name of Firm with which associated:</b>
Fugro USA Land, Inc.
<b>Years' experience with this Firm:</b>
18
<b>Education: Degree(s)/Year/Specialization:</b>
BS / 1986 / Geology
<b>Active registration: Year first registered/discipline:</b>
Professional Geoscientist: Louisiana, 2015
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Allen is a Project Geologist at the Westlake office for Fugro. He worked as Industrial Hygienist for Kemron Environmental Services from 1987 to 1988. He worked as an Environmental Geologist for Triegel &amp; Associates (TAI) from 1988 to 1994, then acted as Sr. Geologist / Field Activity Coordinator for Soil Testing Engineers (STE) from 1994 to 2002. Mr. Allen joined the Fugro team in August 2002 as a Project Geologist for the Westlake, Louisiana facility, where he has supervised the field operations in a wide variety of geotechnical and geo-environmental projects. Mr. Allen's geo-environmental experience includes the performance of Phase I and Phase II Environmental Site Assessments (ESAs) involving property acquisition, installation of monitor wells, groundwater sampling, and determination of extent of contaminants plumes. He has completed the 40-hour OSHA training program for hazardous waste site workers, NORM Training, Operation of Nuclear Testing Equipment Training, Radiation Safety Training, and various asbestos inspection and sampling certifications.</p> <p>Selected Projects          Shell Pipeline Horizontal Directional Drill Pipeline, Port Neches, TX - Project included geotechnical and CPT borings for a horizontal directional drill pipeline crossing the Neches river. Mr. Allen served as Project Field Coordinator.</p> <p>2018-2019, CS-0079-State of Louisiana Coastal Protection and Restoration Authority Oyster Lake Marsh Creation and Nourishment Project, Cameron, LA - Project included geotechnical and CPT borings for a marsh creation and nourishment project in Cameron, Louisiana. Mr. Allen served as Project Field Coordinator.</p> <p>U.S. Army Corps of Engineers, Calcasieu River and Pass, Calcasieu Parish, LA - Project included soil borings and field vane survey for a Corps of Engineers ERDC study. Mr. Allen served as Project Field Coordinator.</p> <p>ARKEMA Pipeline Geotechnical Study, Conroe, TX - Mr. Allen served as project manager performing soil sampling for this pipeline project in Conroe, Texas.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Viet Le, EI, Project Professional
<b>Project Assignment:</b>
Project Professional, Geotechnical Engineering
<b>Name of Firm with which associated:</b>
Fugro USA Land, Inc.
<b>Years' experience with this Firm:</b>
3
<b>Education: Degree(s)/Year/Specialization:</b>
BS / 2018 / Civil Engineering Certificate / 2018 / Coastal Engineering Certificate / 2018 / Coastal Management
<b>Active registration: Year first registered/discipline:</b>
Engineer Intern: Louisiana, 2019
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Geotechnical Experience</p> <p>Classification and proper storage of samples to ensure the sample is not disturbed prior to testing</p> <p>Field coordination and planning of field activities by requesting One Calls, communicating with subcontractors, and preparing detailed instructions for field work</p> <p>Composition of proposals detailing scope of work and estimated cost of project for clients</p> <p>Data acquisition and analysis using supplementary software for the design of deep foundations, foundations for tanks, and marsh restoration</p> <p>Selected Projects</p> <p>2019-2020, Calcasieu Pass LNG (CPLNG), Kiewit, Cameron, LA - Field Representative/Logger. Mr. Le as a field representative/logger, has undertaken multiple tasks and scopes related to the development of this facility and associated structures and features requiring geotechnical study and analysis</p> <p>2019, Upper Barataria Marsh Creation, Jefferson Parish, LA - Staff Professional. Mr. Le served as the field logger and exploration oversight on behalf of Fugro for this project.</p> <p>2018-2020, PO-0179- St. Catherine Island Marsh Creation and Shoreline Protection, CPRA, Orleans Parish, Louisiana - Staff Professional. Mr. Le served as a field logger and aided Samuel Bryant, PE in the data compilation and engineering analysis for this project. —</p> <p>2018-2020, Sabine Neches Waterways, TX - Staff Professional. Mr. Le provided logging and field oversight services for lift boat-mounted geotechnical soil boring activities for this project</p>



## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
David Cormier, PLS, Professional Land Surveyor
<b>Project Assignment:</b>
Survey Services Manager
<b>Name of Firm with which associated:</b>
Fugro USA Land, Inc.
<b>Years' experience with this Firm:</b>
6
<b>Education: Degree(s)/Year/Specialization:</b>
Associate / 1984 / Civil Engineering Technology
<b>Active registration: Year first registered/discipline:</b>
Professional Land Surveyor: Louisiana, 1994
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>As Land Terrestrial Survey Operations Manager, Mr. Cormier is responsible for the daily operations of the land and boundary survey work performed out of the Lafayette office. This includes technical oversight over the methods used to plan, acquire, process, and deliver all land survey data as it bound under the licensure requirements of the State.</p> <p>At Fugro, he has supervised and coordinated field crews and assisted with complex database and GIS projects. Mr. Cormier is a member of the Louisiana Society of Professional Surveyors and the National Society of Professional Surveyors. He routinely coordinates field crews, prepares permit plats, and meets all client needs regarding survey services.</p> <p>Mr. Cormier has over 40 years of professional surveying experience along the Gulf Coast, where he has worked and resided his entire life. His services and expertise honed over the course of his career in this region include hydrographic and geophysical surveys, coastal marsh elevation surveys, aerial lidar surveys, conventional leveling surveys, control network surveys, and extensive boundary and property surveys.</p> <p><b>2019   PO-0179-Coastal Protection and Restoration Authority – St. Catherine Island Marsh Creation and Shoreline Protection   Orleans Parish, LA.</b> <i>Terrestrial Operations Manager/Professional Land Surveyor.</i> Mr. Cormier, as the Professional Land Surveyor for this project, certified the survey report and drawings required for this project and provided professional oversight</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Greg Spiller, PE, MBA, Survey and Geophysical Manager
<b>Project Assignment:</b>
Hydrographic Survey & Geophysical Services Manager
<b>Name of Firm with which associated:</b>
Fugro USA Land, Inc.
<b>Years' experience with this Firm:</b>
10
<b>Education: Degree(s)/Year/Specialization:</b>
MS / 2018 / Business Administration BS / 2016 / Industrial Engineering
<b>Active registration: Year first registered/discipline:</b>
Professional Engineer/ Industrial: Louisiana, 2014
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Spiller joined Fugro in 2012 as a field surveyor. He worked his way through various field roles until 2018. He was promoted to Project Manager in late 2018 and managed a wide variety of projects for several years. His experience spans a broad range of Federal and private sector jobs in both a field and office capacity. In early 2021 he moved to the role of Operations and Quality manager for the coastal group. Despite this new role he still retains many project and project management duties, as well as the occasional field visit. His individual project experience includes but is not limited to Aerial, Topographic, Hazard, Bathymetric, Geophysical, and Boundary Surveys</p> <p><b>2016-2019, 2020-present   Coastal Protection and Restoration Authority - Survey Services IDIQ (awarded multiple times)   Statewide, Louisiana Project Manager.</b> Mr. Spiller has served as a Operations and Quality Manager for this program which has included two separate contract awards each with multiple task orders for marsh creation and coastal protection projects in Louisiana. In Mr. Spiller's role he has overseen survey activities.</p> <p><b>2019   BA-0048-Coastal Protection and Restoration Authority - Bayou Dupont Marsh Creation Monitoring Survey   Plaquemines Parish and Jefferson Parish, LA. Project Manager.</b> The purpose of this project was to collect survey data from the marsh creation area to assess the overall performance of the restoration. Survey data were collected using RTK surveying techniques. Jesse served as Survey Supervisor throughout the duration of this project, where he oversaw the data collection and processing efforts.</p>

## 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.**

<b>PROJECT NO. 1</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Increase Atchafalaya Flow into Terrebonne Parish Avoca Island, Louisiana  CPRA c/o Moffat & Nichol Maarten Kluijver, Project Engineer 225.336.2075 mkluijver@moffitnichol.com	Fugro performed topographic, bathymetric, and magnetometer surveys along with geotechnical investigations to assess critical subsurface considerations for the project.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
November 2024	\$4.6 M - Planning  \$16.3 M - Engineering & Design Phase I	\$1M Geotechnical Engineering, Survey

<b>PROJECT NO. 2</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Bucktown Living Shoreline Project  Moffat & Nichol Chris Williams, Project Manager 504.862.1033 cwilliams@moffatnichol.com	Responsibilities included review of existing geotechnical data and file for coastal use permit for field activities to include soil borings and CPTs using amphibious equipment. Exploration covered potential borrow areas and shoreline protection and marsh creation areas. Laboratory testing included soil indices and characterization, strength and density profiles.  Engineering analyses and reporting for settlement, slope stability, bearing capacity, and general geotechnical design recommendations for marsh fill area and shoreline protection features.  Additionally, Fugro provided topographic, hydrographic, and geophysical survey services in support of the project.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
November 2021	\$1.7M	\$140k Geotechnical Engineering, Survey and Geophysical

## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
Geotechnical Investigation and Design East Pass Salinity Barrier Cameron Parish, Louisiana  Coastal Protection and Restoration Authority  C/O Evans-Graves Engineers, Inc. Stephen Lundgren, PE, Project Manager 504.836.8190 Slundgren@evans-graves.com	In deeper water, a rock berm with a combination ("combi") wall using alternating pipe piles and steel sheet piles will be used. A 60-ft-wide sill will be located in the center of the barrier to allow for fish passage. The top elevation (EI) of the barrier will be set at EI +5 ft. The bottom of the sill will be set at EI -8 ft. Sill dolphins consisting of 18-inch diameter steel pipe piles will be located adjacent to the sill. 30% design level completed to date, including sheetpile wall evaluations, slope stability/settlement of rock embankments, and pile capacity (axial and lateral).	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	\$260.4M	\$74k Geotechnical Engineering

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
St. Catherine Shoreline Protection Orleans Parish, Louisiana  State of Louisiana (CPRA) Jessica Diez, Project Manager 225.342.1952 Jessica.Diez@la.gov	Fugro provided geotechnical site exploration and laboratory testing, nearshore (marsh) drilling, nearshore survey, onshore and nearshore geophysical engineering, and geotechnical engineering analysis.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
July 2021	\$35.9M	\$304k Geotechnical Engineering, Survey

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Oyster Lake Marsh Creation Cameron Parish, Louisiana  State of Louisiana (CPRA) Dustin White, Project Manager 225.342.1952 Dustin.White@la.gov	Fugro provided geotechnical site exploration and laboratory testing, nearshore (marsh) drilling, nearshore survey, onshore and nearshore geophysical engineering, and geotechnical engineering analysis.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2020	\$38.0M	\$329k Geotechnical Engineering, Survey

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Mid Barataria/Mid Breton Owner's Review Team (ORT) Plaquemines Parish, Louisiana  Moffatt & Nichol Jonathan Hird, Project Manager 225.336.2075 jhird@moffattnichol.com	Reviews have been performed on geotechnical data plans, slope stability, pile capacity, and consolidation.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	\$2B	\$100k Geotechnical Engineering Review

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Upper Barataria Marsh Creation Plaquemines Parish, Louisiana  Moffatt & Nichol Chris Williams, Project Manager 504.862.1033 lwilliams@moffattnichol.com	Fugro's scope includes geotechnical field exploration, laboratory testing, engineering evaluations, and reporting.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
October 2020	\$176M	\$935k Geotechnical Engineering, Survey

<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Bayou de Cade Marsh Creation Terrebonne Parish, Louisiana  State of Louisiana (CPRA) Travis Byland, PE, Project Manager 225.342.6750 Travis.Byland@la.gov	Fugro provided geotechnical site exploration and laboratory testing, nearshore (marsh) drilling, nearshore survey, onshore and nearshore geophysical engineering, and geotechnical engineering analysis.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
October 2018	\$27.2M	\$325k Geotechnical Engineering, Survey

## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Permanent Canal Closures and Pumps (PCCP) Orleans and Jefferson Parish, Louisiana  Stantec Consulting Services Jay Mazzoni, Project Manager 502.212.5007 Jay.Mazzonu@stantec.com	Fugro was the Geotechnical-Engineer of Record. Fugro performed geotechnical investigations, geotechnical design calculations and deep foundation testing oversight in support of the design of the project.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
April 2018	\$730M	\$4M Geotechnical Engineering

<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Alabama Connecting Waters Baldwin County, Alabama  Moffatt & Nichol Don Blancher, PhD, BCES, Project Manager 251.378.9009 Dblancher@moffattnichol.com	Fugro is providing Geotechnical support of the design and development of this project.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Ongoing	\$750k	\$84k Geotechnical Engineering



## 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.		
4.		

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

**PROVEN LOUISIANA PARTNER**

Fugro has provided subsurface explorations in support of Louisiana flood protection and coastal projects since 1946. Fugro has earned the reputation for consistently delivering high quality projects on-time and within budget. Since Hurricane Katrina, we have expanded our experience during the development, planning and execution of flood protection projects and coastal protection projects for local, state, and federal partners. Our history with the Louisiana Department of Natural Resources and CPRA has spanned over a period of 25 years and has given us the advantage in acquiring the specialized experience needed to get government jobs done right. We provided geotechnical and survey services as a prime contractor to the Louisiana Department of Natural Resources (DNR) and the Coastal Protection and Restoration Authority (CPRA) and also as a sub-contractor through various engineering firms.

Our staff has successfully performed over 80 separate task orders under these contracts. Fugro gives considerable thought to each task order on how to safely, effectively, and efficiently proceed with the project work. The graphic above high- lights the wide variety of recent project locations where Fugro has successfully executed flood protection and coastal projects.

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

Signature: **Eric Marx** Digitally signed by Eric Marx  
Date: 2022.08.09 09:41:09  
-05'00' Print Name: Eric Marx, PE

Title: Vice President Date: August 9, 2022



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

Name:	Public Address:
Fugro USA Land, Inc.	6100 Hillcroft Avenue Houston, Texas 77081

**License/Certificate Information w/  
Supervision**

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0003154	Active	06/08/2004	09/30/2022	Mr. Eric Robert Marx # PE.0031479 - Active ; Mr. Morgan Dewey Reed # PE.0024224 - Active

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

Name:	Public Address:
Fugro USA Land, Inc.	6100 Hillcroft Avenue Houston, Texas 77081

**License/Certificate Information w/  
Supervision**

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000794	Active	03/06/2018	09/30/2022	Mr. Jesse Lee Thibodeaux # PLS.0004729 - Active ; Mr. David Leslie Cormier # PLS.0004715 - Active ; Mr. Mark Keith Buhrke # PLS.0004819 - Active



**USACE CERTIFICATE  
OF  
LABORATORY VALIDATION**



**Fugro USA Land, Inc.**

4252 Rhoda Drive  
Baton Rouge, LA, United States  
Eric Marx  
(225) 292-5084

has demonstrated, by abbreviated audit of its AASHTO accreditation, or by inspection of required records, equipment, procedures, facilities, and/or final reports, its proficiency to perform testing of construction materials, as established by the quality standards of AASHTO R 18 guidance and the requirements of the applicable ASTM standards.

**THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF GENERATION:**

**16 MAR 2021 AT 07:35 HOURS**

**ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 03/15/2023**

PLEASE CONFIRM THE CURRENT VALIDATION STATUS OF THIS LABORATORY USING THE SEARCH FEATURE ON OUR PUBLIC WEBSITE: <https://mtc.erdcdren.mil>

Chad A. Gartrell, PE, Director  
USACE Materials Testing Center  
Vicksburg, Mississippi, USA

**AGGREGATE**

Aggregate - C 29 - Opt - Unit Weight and Voids in Aggregate  
Aggregate - C 117 - Req - Material Finer than 75  $\mu$ m (No. 200) Sieve  
Aggregate - C 127 - Req - Specific Gravity & Absorption in Coarse Aggregate  
Aggregate - C 128 - Req - Specific Gravity & Absorption in Fine Aggregate  
Aggregate - C 136 - Req - Sieve Analysis of Aggregates  
Aggregate - E 329 - Opt - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection  
Aggregate - C 1077 - Opt - Concrete and Concrete Aggregate Testing Standards (Quality Standards)

**CONCRETE**

Concrete - C 31 - Req - Making and Curing Test Specimens in the Field  
Concrete - C 39 - Req - Compressive Strength of Cylindrical Specimens  
Concrete - C 138 - Req - Unit Weight and Air Content by Gravimetric  
Concrete - C 143 - Req - Slump  
Concrete - C 172 - Req - Sampling  
Concrete - C 231 - Req - Air Content by Pressure \*\*\*required if C173 not performed\*\*\*  
Concrete - E 329 - Opt - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection  
Concrete - C 511 - Opt - Moist Cabinets, Moist Rooms, Water Storage Tanks  
Concrete - C 1064 - Req - Temperature of Concrete  
Concrete - C 1077 - Opt - Concrete and Concrete Aggregate Testing Standards (Quality Standards)  
Concrete - C 1231 - Opt - Unbonded Caps

**SOILS**

Soils - E 329 - Opt - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection  
Soils - D 698 - Req - Compaction Characteristics by Standard Effort

Soils - D 854 - Req - Specific Gravity of Soils  
Soils - D 1140 - Req - Material Finer than 75  $\mu$ m (No. 200) Sieve  
Soils - D 1556 - Req - Density & Unit Weight by Sand Cone  
Soils - D 1557 - Req - Compaction Characteristics by Modified Effort  
Soils - D 2166 - Req - Unconfined Compressive Strength  
Soils - D 2216 - Req - Water Content  
Soils - D 2435 - Req - One-Dimensional Consolidation Properties  
Soils - D 2487 - Req - Classification of Soils  
Soils - D 2488 - Req - Description & Identification of Soils (Visual-Manual Procedure)  
Soils - D 2850 - Req - Unconsolidated, Undrained Strength in Triaxial Compression  
Soils - D 2974 - Req - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils  
Soils - D 3740 - Opt - Soil and Rock Testing Standards (Quality Standard)  
Soils - D 4318 - Req - Liquid & Plastic Limits & Plasticity Index  
Soils - D 4546 - Req - One-Dimensional Swell or Settlement Potential  
Soils - D 4643 - Req - Determination of Water Content of Soil by Microwave Oven  
Soils - D 4972 - Opt - pH of Soils  
Soils - D 5084 - Req - Hydraulic Conductivity using a Flexible Wall Permeameter  
Soils - D 6913 - Req - Particle-Size Distribution of Soils Using Sieve Analysis  
Soils - D 6938 - Req - Density and Water Content by Shallow Depth Nuclear Method



# CERTIFICATE OF ACCREDITATION



## Fugro USA Land, Inc.

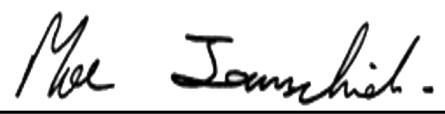
in

## Baton Rouge, Louisiana, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories ([aashtoresource.org](http://aashtoresource.org)).

  
Jim Tymon,  
AASHTO Executive Director

  
Moe Jamshidi,  
AASHTO COMP Chair

This certificate was generated on 02/03/2022 at 8:44 AM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](http://aashtoresource.org/aap/accreditation-directory)



# SCOPE OF AASHTO ACCREDITATION FOR:

Fugro USA Land, Inc.

in Baton Rouge, Louisiana, USA

## Quality Management System

### Standard:

### Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	03/09/2009
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	01/10/2011
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	12/31/2013



# SCOPE OF AASHTO ACCREDITATION FOR:

Fugro USA Land, Inc.

in Baton Rouge, Louisiana, USA

## Soil

### Standard:

### Accredited Since:

D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	03/09/2009
D422 Particle Size Analysis of Soils by Hydrometer	03/09/2009
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/09/2009
D854 Specific Gravity of Soils	01/18/2012
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	01/18/2012
D1556 Density of Soil In-Place by the Sand Cone Method	12/31/2013
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	03/09/2009
D2166 Unconfined Compressive Strength of Cohesive Soil	03/09/2009
D2216 Laboratory Determination of Moisture Content of Soils	03/09/2009
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	12/31/2013
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	12/31/2013
D2488 Description and Identification of Soils (Visual-Manual Procedure)	12/31/2013
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	03/09/2009
D2974 Determination of Organic Content in Soils by Loss on Ignition	01/18/2012
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	03/09/2009
D4318 Plastic Limit of Soils (Atterberg Limits)	03/09/2009
D4546 One-Dimensional Swell or Settlement Potential of Cohesive Soils	12/31/2013
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	12/31/2013
D4972 pH Testing of Soils	12/31/2013
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	12/31/2013
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	06/06/2016
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/09/2009



# SCOPE OF AASHTO ACCREDITATION FOR:

Fugro USA Land, Inc.

in Baton Rouge, Louisiana, USA

## Aggregate

### Standard:

### Accredited Since:

C29 Bulk Density ("Unit Weight") and Voids in Aggregate	12/31/2013
C117 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	01/18/2012
C127 Specific Gravity and Absorption of Coarse Aggregate	01/18/2012
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/18/2012
C136 Sieve Analysis of Fine and Coarse Aggregates	03/09/2009