

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 25-015, Provide Professional Architectural and Engineering Services to Design and Construct the New West Bank Regional Library

B. Firm Name & Address:



404 East Gibson Street, Suite 01
Covington, Louisiana 70433

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:

Justin Greenleaf, Owner | Principal
Louisiana Licensed Architect #7779
e: jgreenleaf@greenleafarch.com
o: 985-778-2080
c: 985-705-1635

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.

Logan Pittman, Project Architect
Louisiana Licensed Architect #8985
e: lpittman@greenleafarch.com
o: 985-778-2080
c: 864-497-6719

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

<input type="text" value="3"/> Administrative	<input type="text"/> Estimators	<input type="text"/> Specification Writers
<input type="text" value="4"/> Architects (Licensed)	<input type="text"/> Geologists	<input type="text"/> Structural Engineers
<input type="text"/> Chemical Engineers	<input type="text"/> Geotechnical Engineers	<input type="text"/> Graduate Engineers
<input type="text"/> Civil Engineers	<input type="text" value="2"/> Interior Designers	<input type="text" value="6"/> Project Managers
<input type="text"/> Construction Inspectors	<input type="text"/> Landscape Architects	<input type="text"/> Clerical
<input type="text"/> Ecologists	<input type="text"/> Land Surveyor	<input type="text"/> Grant/Funding Specialist
<input type="text"/> Electrical Engineers	<input type="text"/> Mechanical Engineers	<input type="text"/> Sanitary Engineers
<input type="text"/> Engineer Intern	<input type="text"/> Environmental Engineers	
<input type="text"/> Professional Land Surveyors		<input type="text" value="15"/> TOTAL

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

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

TEC Professional Services Questionnaire

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

1.
N/A

2.

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

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. Salas O'Brien 541 Julia Street #200 New Orleans, Louisiana 70130	Mechanical, Plumbing, Electrical, + Structural Engineering	Yes
2. High Tide Consultants, LLC 700 Canal Boulevard Thibodaux, Louisiana 70301	Civil Engineering	Yes
3. Eustis Engineering, LLC 3011 28th Street Metairie, Louisiana 70002	Geotechnical Engineering	Yes

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

8

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:

Justin Greenleaf, Owner | Principal

Project Assignment:

Principal in Charge

Name of Firm with which associated:

Greenleaf Architects

Years' experience with this Firm:

10.5 years

Education: Degree(s)/Year/Specialization:

Bachelor of Architecture - Louisiana State University 2009

Active registration: Year first registered/discipline:

Year First Licensed: 2012 in Architecture

Other experience and qualifications relevant to the proposed Project:



Justin, our fearless leader, founded Greenleaf Architects in 2015 after earning his degree in Architecture from Louisiana State University in 2009. Justin has over 10 years of experience in the architecture industry, with a focus on commercial and institutional projects. He is a licensed architect in the state of Louisiana and has a proven track record of delivering high-quality, innovative designs that meet the needs of our clients. Justin's leadership and expertise are instrumental to the success of our firm and the projects we undertake.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	Kyle Schroeder, Director of Design Project Architect
Project Assignment:	Director of Design
Name of Firm with which associated:	Greenleaf Architects
Years' experience with this Firm:	9 years
Education: Degree(s)/Year/Specialization:	Bachelor of Architecture - Louisiana State University 2016
Active registration: Year first registered/discipline:	Year First Licensed: 2022 in Architecture
Other experience and qualifications relevant to the proposed Project:	
	<p>Kyle Schroeder has been a key part of Greenleaf since 2016, contributing his expertise in design, project management, and construction administration. Known for his strong communication and collaboration skills, Kyle ensures projects run smoothly from concept and exceeds expectations.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	Logan Pittman, Project Manager Architect
Project Assignment:	Project Manager
Name of Firm with which associated:	Greenleaf Architects
Years' experience with this Firm:	10 years
Education: Degree(s)/Year/Specialization:	Bachelor of Arts in Architecture - Clemson University 2011 Masters of Architecture - Louisiana State University 2013
Active registration: Year first registered/discipline:	Year First Licensed: 2018 in Architecture
Other experience and qualifications relevant to the proposed Project:	
	<p>Logan Pittman excels in developing new construction, renovations, and phased projects. F ô X Û \ e X : 2 Û • : X ' Û ô e è Û Í 2 î Û è : + + Í æ : X Í e } ô Û \ U X e Û : \ e ô and consultants, ensuring timely project delivery. With a diverse portfolio, Logan balances functionality and aesthetics to create spaces that meet occupants' needs. Her attention to detail and proactive problem-solving skills allow her to anticipate challenges, keeping projects on schedule and within budget. By combining technical expertise with creative vision, Logan not only designs structures but also crafts meaningful experiences, making her a valuable asset.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Theresa Maryan, Interior Designer	
Project Assignment:	
Interior Designer	
Name of Firm with which associated:	
Greenleaf Architects	
Years' experience with this Firm:	
4.5 years	
Education: Degree(s)/Year/Specialization:	
Bachelor of Interior Design - University of Southern Mississippi 2014	
Active registration: Year first registered/discipline:	
Year First Licensed: 2022 in Interior Design	
Other experience and qualifications relevant to the proposed Project:	
	<p>Theresa is a highly skilled and passionate Interior Designer with a focus on creating their unique requirements and translating them into spatially and aesthetically tailored</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.

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Expansion and Renovation for Clearview City Center 4436 Veterans Boulevard Metairie, Louisiana 70006</p> <p style="text-align: center;">Owner: Richards Clearview, LLC Thomas Richards trichards@clearviewcenter.com</p>	<p style="text-align: center;">„X: ô\\ \ :2Í+Ù: Ù‡ôè:XîÛü„i‡ýâÙ +ôÍX} ô•Ù modern shopping and hospitality experience for the Metairie area. This new facility will feature well-known tenants from the restaurant and retail sectors, delivering an upscale and contemporary shopping destination for visitors from the Greater New Orleans region and beyond.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2027 (Estimate)	\$50,000,000.00 (Estimate)	Full service architectural and interior design

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Zea Rotisserie & Bar 4436 Veterans Boulevard Metairie, Louisiana 70006</p> <p style="text-align: center;">Owner: Richards Clearview, LLC Thomas Richards trichards@clearviewcenter.com</p>	<p>Professional of Record (POR); This project consist of a complete new build of approximately 6,500 SF of interior space and an additional 1,000 SF of outdoors space. Scope of work included from site planning e X:j Ù±2Í+Ù 2eôX :XÛîôeÍ + 2 àÛô2\jX 2 Û design tailored to Zea's operational and branding needs.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2026 (Estimate)	\$2,437,500.00 (Estimate)	Full service architectural and interior design

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Magnolia Trace Elementary School Additions 1405 LA-1088 Mandeville, Louisiana 70448</p> <p>Owner: St. Tammany Parish School Board Cameron Tipton Cameron.Tipton@stpsb.org</p>	<p>Professional of Record (POR); This project included renovating the existing administration building and replacing outdated modular classrooms with a new two-story, 62,917 SF classroom addition. The expansion provides modern, permanent educational spaces to meet growing student needs.</p>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2024	\$15,339,000.00	Full service architectural and interior design

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>City of Mandeville City Hall 3101 E Causeway Approach Mandeville, Louisiana 70448</p> <p>Owner: City of Mandeville Cara Bartholomew cbartholomew@cityofmandeville.com</p>	<p>Professional of Record (POR); is project involves the renovation and expansion of the City Hall building, increasing the total area from 9,320 square feet to 18,311 square feet. The renovation includes updated HVAC, and ADA-compliant improvements. Additionally, for the exterior. The expansion will provide enhanced emergency support spaces, ensuring the building meets modern safety and environmental standards.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2027 (Estimate)	\$7,600,000.00 (Estimate)	Full service architectural and interior design

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Northshore Humane Society Harrison Avenue Covington, Louisiana 70433</p> <p style="text-align: center;">Owner: Northshore Humane Society Scott Bernier SBernier@nshumane.org</p>	<p>Professional of Record (POR); The new 24,000 SF facility will serve as a comprehensive rescue, shelter, and veterinary clinic. It will feature public amenities, including dog parks, nature trails, and courtyards, along with over 80 new kennels to support animal care in the community.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2027 (Estimate)	\$10,000,000.00 (Estimate)	Full service architectural and interior design

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>New Louisiana State Police Troop L Facility 2600 N Causeway Boulevard Mandeville, Louisiana 70471</p> <p style="text-align: center;">Owner: State of Louisiana, Division of Administration David Poche david.poche@la.gov</p>	<p>Professional of Record (POR); This project involves constructing a new 25,000 SF facility for Troop L of the Louisiana State Police in Mandeville, along with the demolition of the existing building. The site development includes a master plan featuring the new facility, a mechanic garage, helipad, site generator, and radio tower hut, while integrating several existing structures.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2027 (Estimate)	\$22,000,000.00	Full service architectural and interior design

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Ampirical Headquarters 1654 Ochsner Boulevard Covington, Louisiana 70433</p> <p>Owner: Ampirical Matthew Saacks msaacks@ampirical.com</p>	<p>„X: ô\\ :2Í+Ù: Ù‡ôè:XíÙü„i‡ýâÙ“ ôÙIQOÙ1 ++ æj +î 2 Ù 2Ù :} 2 e:2àÙ[àÙ:-ôX\ÚÍÙè:2eô1U e:ñèô + 2 Ù• 2î:•\àÙ\UÍè :j\Ù+Í...:je\àÙÍ2îÙí :Uô2Ù 2eôX :X\Ù ôÍejXôÙè:++Íæ:XÍe }ôÙ•:X'\ +ÍX ôÙ1ôôe 2 ÙX::1\àÙ :\eôX 2 ÙÍÙU:\ e }ôÙí The exterior combines clean lines, neutral tones, and vibrant accents, • +ôÙô„UÍ2\ }ôÙ• 2î:•\Ù±++Ùe ôÙ\UÍèôÙ• e Ù :Uô2àÙÍ X... Ù ôô+ß</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$20,000,000.00	Full service architectural and interior design

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>KIA of Covington 69010 HWY 190 Service Road Covington, Louisiana 70433</p> <p>Owner: Happy KIA Kevin Szura kszura@happykia.com</p>	<p>Professional of Record (POR); This project involved the construction of a 28,500 square-foot KIA dealership in Covington, LA, including the development of 5 acres for inventory parking. The two-story building features a showroom, sales area, parts storage, and an air-conditioned service shop with advanced technology. The facility also includes EV chargers and dedicated areas for electric vehicle \ôX} è 2 ßÙIeÙ \Ùe ôÙ±X\eÙXI ÙîôÍ+ôX\ UÙ brand's new image.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2025	\$10,375,676.96	Full service architectural and interior design

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Globalstar Headquarters 1351 Holiday Square Boulevard Covington, Louisiana 70433</p> <p>Owner: Globalstar Jim Seese (former Vice President of Administration) 504-628-6939</p>	<p>Professional of Record (POR); This 66,000 SF total (3 stories) headquarters features a contemporary design with high-end interior</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018	\$12,237,129.00	Full service architectural and interior design

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Southeast Urology Hammond Clinic 42439 Pelican Professional Park Hammond, Louisiana 70403</p> <p>Owner: Southeast Louisiana Urology Associates Jason Chiang Jchiang07@gmail.com</p>	<p>Professional of Record (POR); The new 7,300 SF clinic is designed to serve patients of three doctors, featuring state-of-the-art medical spaces with nine exam rooms, three procedure rooms, a lab, and</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023	\$2,842,230.00	Full service architectural and interior design

TEC Professional Services Questionnaire

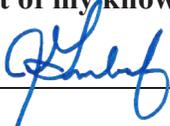
M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

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

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

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

Signature:  Print Name: Justin Greenleaf
 Title: Owner | Principal Date: 05/08/2025

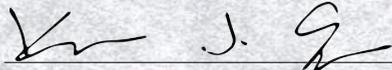
State of Louisiana
Board of Architectural Examiners

The firm whose name appears on this certificate is in compliance with the provisions of the Louisiana State Board of Architectural Examiners' Licensing Law and Rules and Regulations and is duly registered and entitled to practice architecture in the State of Louisiana.

CERTIFICATE OF AUTHORITY NO. AC0826

EXPIRES June 30, 2025

Greenleaf Architects, APAC



President



Secretary



Executive Director



Date

May 2, 2024

Fee Paid

\$75.00

THIS CERTIFICATE EXPIRES ON THE DATE LISTED ABOVE

State of Louisiana
Board of Architectural Examiners



Registration No. AC0826

Expires June 30, 2025

Greenleaf Architects, APAC

The above named is duly registered and entitled to practice Architecture in the state of Louisiana until the indicated expiration date.



Executive Director

Statement of Qualifications

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF St. Tammany

BEFORE ME, the undersigned authority, personally came and appeared: Justin M. Groulart

Groulart, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized Dwight Principal of Groulart APAC Audited (Entity),

the party who submitted a Statement of Qualifications (SOQ) to SOQ 25-DIS Architectural/Eng. Services to Design + Construction New Westbank Regional Library (Briefly describe the services the SOQ will cover), to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

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

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

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

Affiant further said:

Debt Disclosures

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

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

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

Affiant further said:

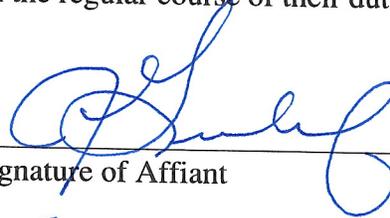
Solicitation of Campaign Contribution Disclosures

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

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

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

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



Signature of Affiant

JUSTIN M. GREENLEAF

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 8 DAY OF MAY, 2025.



Notary Public

BRIAN PARKER

Printed Name of Notary

78511

Notary/Bar Roll Number

My commission expires DEATH.

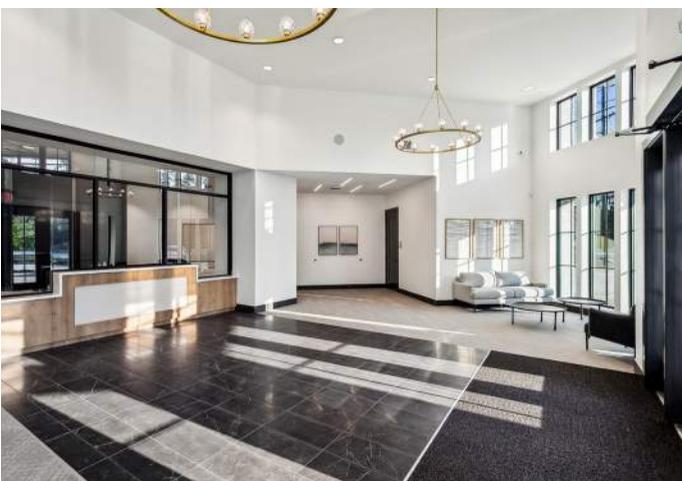
BRIAN PARKER
NOTARY PUBLIC
ST TAMMANY PARISH
STATE OF LOUISIANA
78511
COMMISSION EXP. AT DEATH

SOQ 25-015

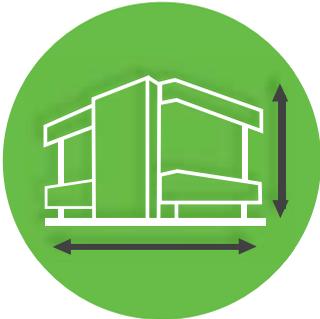
Architectural/Engineering Services To Design + Construct New West Bank Regional Library

Greenleaf Architects, APAC will use the following subcontractors:

1. Salas O'Brien – Mechanical, Electrical, Plumbing, & Structural Engineering
2. High Tide Consultants, LLC – Civil Engineering
3. Eustis Engineering, LLC – Geotechnical Engineering



Our **FULL-SERVICE** design and consultation firm is interested in **PUSHING BOUNDARIES**, creating an **EXPERIENCE** more than simply drawings, and guiding clients through the design and construction process.



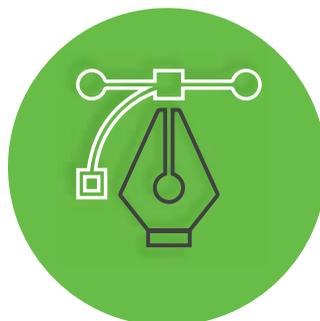
ARCHITECTURE

Drawings are our tool, and creative thinking is our skill. Utilizing technology, we turn **YOUR VISION INTO REALITY**. Licensed from Texas to Florida, our architects specialize in bringing concepts to life through a refined, detailed process. We guide owners step-by-step, ensuring clear **COMMUNICATION** and informed decisions about time, budget, materials, and construction. Planning, design and constructing should not be overwhelming or a financial bear with the guidance of Greenleaf Architects.



INTERIOR DESIGN

The Interior Design profession demands technical expertise **BEYOND** selecting finishes. Having licensed Interior Designers on our team ensures we meet client needs. Our qualified professionals and interns, backed by education, experience, and certification, specialize in designing non-structural interior projects. We focus on creating code-compliant, accessible, and inclusive environments that prioritize public health, safety, and well-being through careful planning, analysis, and design management.



PROJECT MARKETING & GRAPHIC DESIGN

Looking for a **FRESH** perspective on your space and marketing approach? Let's complete the picture. Consistency signals professionalism and helps cut through the noise to capture attention. Our team ensures your message is **CLEAR** and consistent across all office graphics and marketing materials, from print to digital. We create **BRAND COHESIVENESS** that engages your audience effectively.

HOW DO WE COMMUNICATE THE DESIGN INTENT?



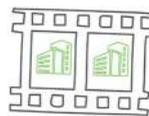
DIGITAL
RENDERINGS



360 DEGREE
PANORAMAS



DIGITAL
WALK-THROUGHS



ANIMATIONS



FURNITURE
SELECTION,
DESIGN &
SPECIFICATION



SIGNAGE
WAY-FINDING
SOLUTIONS



LIGHTING
SELECTION
& DESIGN

01

ON-BOARDING MEETING

As we input your project into our system our team takes great meeting minutes so you don't have to.



02

ESTABLISH THE POINT OF CONTACT

Meet your direct line of project communication. Elevating the project experience.



03

BUILD DOCUMENT MANAGEMENT

Every project element is filed in our cloud-based management system to ensure easy and efficient access throughout.



04

CREATE THE PROJECT SCHEDULE

Let our team identify timelines, coordinate the moving parts, and set the milestones.



05

KICK-OFF TEAM MEETING

This initial meeting introduces the project to the design team to devise a plan to execute.



THE GREENLEAF PROVEN PROCESS

06

WE "BUILD IT" BEFORE YOU DO

Your building is built digitally first utilizing firm-wide procedures paired with 3D technology throughout each phase of production.



07

QUALITY CONTROL

Our system of many checks and balances alerts to clashes digitally - not in the field.



08

CONSTRUCTION COORDINATION

Our design team works hand-in-hand with the contractor to guarantee on-field success from construction administration to completion.



09

PROJECT PROMOTION

We let the community know what's to come as we celebrate alongside you from the kickoff, to the ribbon cutting, and beyond!



Our **RESPONSIBILITY**
and **PASSION** is to bring
your **DREAM** to **REALITY**.



INNOVATION



COLLABORATION



EXCEED EXPECTATIONS



IMPACT



FRESH



DEDICATION

OUR RESPONSIBILITY

Our goal is to turn your vision into reality by understanding your needs and preferences. Our services are an investment that adds **VALUE** to your project, attracts quality employees, and helps your team work efficiently.

We provide practical, cost-effective solutions through organized meetings to set your project up for success. Once the design is approved, we'll present a clear timeline with phases, deadlines, and deliverables.

With a solid plan, our team will ensure the **PROJECT STAYS ON TRACK AND ON BUDGET**, coordinating closely with you and your contractor. Success is achieved when the facility serves its purpose completely.

FROM COMPLEXITY TO CLARITY: STREAMLINED DESIGN SOLUTIONS

BALANCING AESTHETICS & FUNCTION

Ensuring designs are both visually appealing and practical.

COLLABORATIVE SOLUTIONS

Seamlessly integrating input from stakeholders and consultants.

COMPREHENSIVE DESIGN

Addressing site, environmental, and program needs in cohesive solutions.

CREATIVE PROBLEM SOLVING

Overcoming site, structural, and multi-use design challenges.

TECHNICAL EXPERTISE

Using advanced tools for precise visualization and execution.

FLEXIBLE DESIGN

Creating adaptable solutions for future changes or challenges.

DETAIL-ORIENTED

Ensuring cohesive, conflict-free design components.

SYSTEMS INTEGRATION

Coordinating systems for efficiency, function, and aesthetics.

EFFICIENT WORKFLOW

Streamlining processes to meet deadlines and milestones.



“The young professionals of Greenleaf Architects are creative, caring, with cutting edge technology and a hometown spirit. They approach business and community with consistent positive progression.”



Vicky Gehbauer

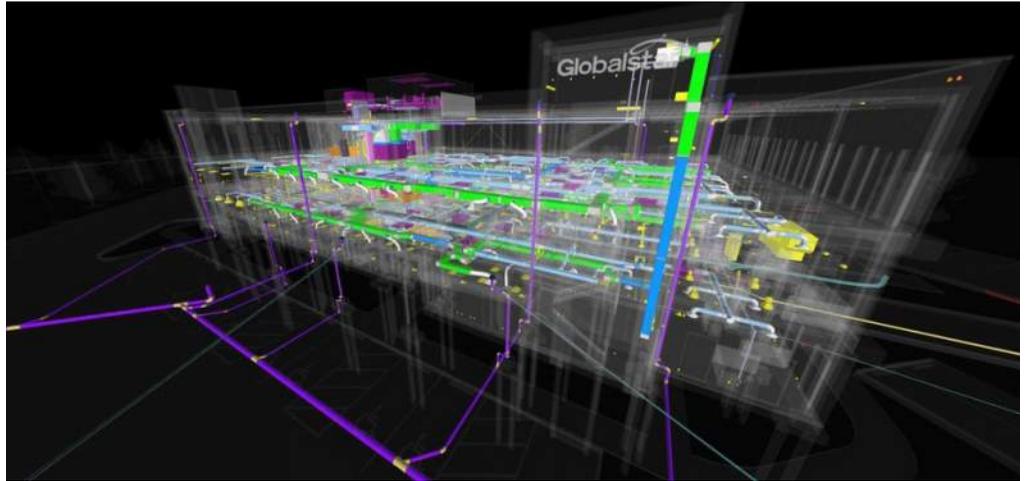
Senior Director - Corporate
Facilities & Wellness
Globalstar



Have comfort in **KNOWING** you are making proper **DESIGN** decisions.

BUILDING INFORMATION MODELING

- In-House Tool
- Time Saver
- Clash Detection
- Improved Productivity
- Study Thermal Comfort
- Collaborate in Real Time
- Improve Building Performance



This intelligent 3-Dimensional model-based **PROCESS** provides architects, engineers, and construction professionals the insight to plan more efficiently.

We build your design before you build it

Buildings have been designed for years with paper and pencil. That can be done, but it may cost you time, money, or result in a product that you are less than satisfied with. Why not view every detail of your building digitally and 3-Dimensionally before beginning construction?

Paired with young **FRESH** ideas that transcend time, Greenleaf Architects solutions see beyond physical or financial limits. Integrating through the initial stages of design, through intelligent model-based Building Information Modeling **BIM**. Efficiently locating clashes between trades; allowing **COLLABORATION** in real-time, while ultimately improving building performance. This 3D modeling program allows us to digitally build before construction, making decisions easier and less expensive. This is then taken a step further by producing realistic renderings, building walk-throughs, and site flyovers.

“I want to thank the entire project team. Greenleaf has done a phenomenal job. One of the reasons we went with Greenleaf from the beginning was the fact they designed in Revit. We gave them an idea on the phone of what we were looking for, and they showed up with 3D renderings that were almost like they were in our heads!”



Kenny Pullen

Former Strategic Development
Florida Marine Transporters

It's an **ARCHITECT'S** responsibility
to bring all of the **TOOLS** to the table.

Our team chooses to work **EXCLUSIVELY** in Revit. The implementation of the latest technology is something that sets our firm apart, especially because we use it for all its advantages. This includes but is not limited to solar studies, interior light studies, and clash detection. Our consultants also model everything digitally in the field. This reduces coordination issues and change orders while giving us the ability to view 3D models on site at job site meetings for **COORDINATION** with your general contractor. We find that adding 3D drawings to our set of drawings significantly helps the general contractor understand the scope during the bidding and construction process. We experience the world in 3D, why only design it in 2D?



With **COMMUNICATION** as the foundation, we can maintain **PROJECT SCHEDULES**, and **OWNER BUDGETS**. Regardless of size and scope. This involves open lines of communication maintained with both the owner, the team, and the contractor.



We design spaces that have **POSITIVE** effects on the way an occupant **VEWS** and **EXPERIENCES** space.

Having an **INTERIOR DESIGN DEPARTMENT** allows our team to better cater to our client. With this specialized knowledge integrated within our design team, we can study a client's business drivers and incorporate these findings into a space that promotes wellbeing, enhances the human experience, and in hand creates a space where our client's businesses will flourish.



FURNITURE COORDINATION

Working with a furniture dealer as a direct consultant of the design team brings success for all parties involved. Furnishings are coordinated with the designer/dealer team from the beginning of the project in a design + assist fashion. Concepts are developed based on programmatic, human-centric needs that support and enhance the human experience throughout the space, all while continuously addressing budgetary concerns.



VIDEOGRAPHY

We provide clients with in-house produced media for building excitement, collecting funds, and receiving design approval. Examples of client work range from producing a full documentary-style sit-down interview for awareness and fundraising, to highlighting recent renovations, new construction and services, design concepts, construction progress highlights, logo animations, and beyond!

PLEASE SCAN THE QR CODES TO VIEW OUR SELECTED VIDEO PORTFOLIO.



**DESIGN CONCEPT PRESENTATION
MANDEVILLE CITY HALL**



**AWARENESS OF RENOVATIONS + SERVICES
PAN-AMERICAN LIFE CENTER BUILDING - 11th FLOOR**



**DESIGN CONCEPT PRESENTATION
FACILITY FOR LCMC**



**3D MODEL TOUR
OUR LADY OF THE LAKE PHYSICIAN GROUP CLINIC**



**DESIGN CONCEPT PRESENTATION FOR FUNDRAISING
FOR MANDEVILLE HIGH FIELD HOUSE**



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Jefferson Parish New West Bank Regional Library, RFQ Number: 25-015

B. Firm Name & Address:

Salas O'Brien LLC
541 Julia St.
Suite 200
New Orleans, LA 70130



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:

David Bonaventure, PE, CEM
Managing Principal
E | david.bonaventure@salasobrien.com
P | 225.372.6961

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.

David Bonaventure, PE, CEM, Principal
E | david.bonaventure@salasobrien.com
P | 225.372.6961

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

<u> 2 </u> Administrative	<u> </u> Estimators	<u> 1 </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u> </u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> 1 </u> Graduate Engineers
<u> </u> Civil Engineers	<u> </u> Interior Designers	<u> 1 </u> Project Managers
<u> </u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u> 4 </u> Electrical Engineers	<u> 7 </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u> 5 </u> Engineer Intern	<u> </u> Environmental Engineers	<u>25 </u> Other
<u> </u> Professional Land Surveyors		<u>46 </u> TOTAL

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

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

TEC Professional Services Questionnaire

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

1.

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. Salas O'Brien LLC 541 Julia St. Suite 200 New Orleans, LA 70130	Mechanical, Electrical, Plumbing, and Technology Design	Yes
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:

David Bonaventure, PE, CEM
Managing Principal - Director of Baton Rouge and New Orleans Offices

Project Assignment:

Principal in Charge

Name of Firm with which associated:

Salas O'Brien, LLC

Years' experience with this Firm:

25 Years

Education: Degree(s)/Year/Specialization:

Master of Business Administration, University of Houston (2003); Bachelor of Science, Mechanical Engineering, Louisiana State University (1999)

Active registration: Year first registered/discipline:

PE, LA #: 0031064
First Issued: 2004

Other experience and qualifications relevant to the proposed Project:



David joined Salas O'Brien in 2000 and is a Managing Principal of the southern region offices, leading a team of over 45 engineering and technical staff in Louisiana. He is a professional mechanical engineer with experience in management, design, and specifications of both large and small projects. As a Certified Energy Manager (CEM) for over a decade, David is dedicated to advancing energy-efficient practices.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Joe Starring, PE
Project Manager

Project Assignment:

Project Manager - Mechanical Engineering

Name of Firm with which associated:

Salas O'Brien, LLC

Years' experience with this Firm:

2 Years

Education: Degree(s)/Year/Specialization:

Bachelor of Science, Mechanical Engineering, Louisiana State University (2014)

Active registration: Year first registered/discipline:

PE, LA #: 43014
First Issued: 2018

Other experience and qualifications relevant to the proposed Project:

Joe Starring has recently joined Salas O'Brien as an experienced mechanical engineer with over 11 years in designing mechanical and plumbing systems. He has completed several large-scale projects in hospitality and education. Joe manages a multi-discipline team, ensuring clear communication between clients and the design team. With a commitment to high standards, he excels in solving complex engineering problems and delivering quality results.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Jacob Truax, PE Senior Vice President, Project Manager	
Project Assignment:	
Project Manager Electrical - Professional Engineer	
Name of Firm with which associated:	
Salas O'Brien, LLC	
Years' experience with this Firm:	
16 Years	
Education: Degree(s)/Year/Specialization:	
Bachelor of Science, Electrical Engineering, Louisiana State University (2010)	
Active registration: Year first registered/discipline:	
PE, LA #0040358 First Issued : 2015	
Other experience and qualifications relevant to the proposed Project:	
	Jacob joined Salas O'Brien in 2008 as an intern electrical engineer until he became a graduate electrical engineer in 2010. He then spent a little less than a year working as an electrical engineer for the Department of Energy in the Oak Ridge National Lab in Tennessee before eventually moving back to Baton Rouge and working for an industrial Engineering firm in the oil and gas industry. In July 2013, he returned to Salas O'Brien as an electrical engineer and project manager. He has designed, managed, and checked a variety of projects from commercial, retail, government facilities, industrial plant expansions as well as major retail developments and apartments/residential developments.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Diego Solorio, RCDD, CTS
Associate Vice President, Director of Technology

Project Assignment:

Technology Design

Name of Firm with which associated:

Salas O'Brien, LLC

Years' experience with this Firm:

31 Years

Education: Degree(s)/Year/Specialization:

Certifications: BICSI Registered Communications Distribution Designer, AVIXA Certified Technology Specialist, NICET Certified Engineering Technologist Fire Alarm Level II, ASIS Physical Security Professional

Active registration: Year first registered/discipline:**Other experience and qualifications relevant to the proposed Project:**

Diego has over 31 years of experience as a technology project manager. He provides successful solutions in the communications, electronic safety, and security field. His roles include project manager for projects large and small, coordinating with subcontractors, monitored on-site progress and performance, provided expertise of divisions 27 & 28 in meetings with owners, and general contractors. His experience ranges from K-12, higher education, multifamily, healthcare, government, commercial, and aviation projects.

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:	
LSU Library Site Strategic Capitol Plan <i>Baton Rouge, LA</i> (Worked for Architect) Forte and Tablada, Inc. Boyd Holmes bholmes@forteandtablada.com	Salas O'Brien provided the mechanical, electrical and plumbing services for the demolition of (5) existing buildings, relocation of all utilities under the future site of the library and the extension of major chilled water infrastructure.	
Completion Date (Actual or estimated):	Estimated Cost: Fee: \$244,400	
	Entire Project:	Work for which Firm was Responsible:
2024	\$11,360,000.00	Mechanical, Electrical, and Plumbing Engineering Services

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Tioga Library Addition <i>Ball, LA</i> (Worked for Architect) Alliance Design Group Adam Grunzinger adamg@adgllc.net	Salas O'Brien provided mechanical, electrical and plumbing design for the 3200 sf addition to the Tioga Library in Rapides Parish. Also included was a lighting replacement to the existing building.	
Completion Date (Actual or estimated):	Estimated Cost: Fee: \$10,000	
	Entire Project:	Work for which Firm was Responsible:
2017	N/A	Mechanical, Electrical and Plumbing Engineering services

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Libuse Library <i>Pineville, LA</i> (Worked for Architect) Alliance Design Group Adam Grunzinger adamg@adgllc.net	Salas O'Brien provided mechanical, electrical and plumbing design for the new 6500 sf Libuse Library for Rapides Parish.	
Completion Date (Actual or estimated)	Estimated Cost: Fee: \$15,000	
	Entire Project:	Work for which Firm was Responsible:
06/2018	N/A	Mechanical, Electrical and Plumbing Engineering services

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Cameron Parish - Johnson Bayou Library <i>Cameron, LA</i> (Worked for Architect) Porche May Architects Derek Porche 404.980.0020	Salas O'Brien provided mechanical, electrical and plumbing consulting engineering for hurricane repairs.	
Completion Date (Actual or estimated):	Estimated Cost: Fee: \$4,500	
	Entire Project:	Work for which Firm was Responsible:
02/2022	N/A	Mechanical, Electrical and Plumbing Engineering services

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Woman's Hospital - Health Sciences Library <i>Baton Rouge, LA</i> (Worked for Architect) Domain Design Architecture Brandon Burr bburr@domain-dsgn.com	Salas O'Brien provided mechanical and electrical consulting engineering for the renovation of an approximately 1,200 square foot corridor into a library.	
Completion Date (Actual or estimated):	Estimated Cost: Fee: \$2,000	
	Entire Project:	Work for which Firm was Responsible:
06/2021	N/A	Mechanical and Electrical Engineering services

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Cameron Parish Main Public Library <i>Lake Charles, LA</i> (Worked for Architect) Porche May Architects Derek Porche 404.980.0020	Salas O'Brien provided mechanical, electrical and plumbing consulting engineering for hurricane repairs.	
Completion Date (Actual or estimated):	Estimated Cost: Fee: \$35,500	
	Entire Project:	Work for which Firm was Responsible:
02/2022	N/A	Mechanical, Electrical and Plumbing Engineering services

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		
2.		
3.		
4.		

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

Please See Additional Pages Attached

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

Signature:  Print Name: David Bonaventure, PE, CEM
 Title: Managing Principal Date: 05/5/2025

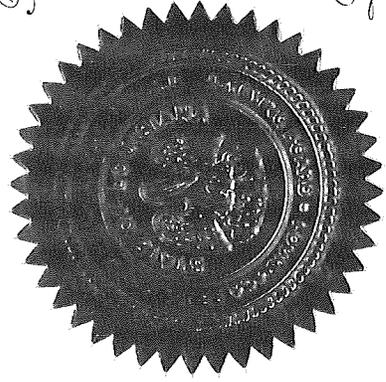
Louisiana Professional Engineering
and
Land Surveying Board

Hereby Certifies that

Salas O'Brien

has satisfied the applicable requirements and is therefore licensed as a
Professional Engineering Firm
and hereby entitled to practice engineering in the State of Louisiana.

Baton Rouge, Louisiana, October 27, 2015



John W. Moore
Chairman

Henry H. Hurl
Secretary

License Number EF 5857

Firm Overview

Salas O'Brien is an engineering facility planning, design, construction management, and commissioning firm with 90+ offices and 3,800+ employees across the United States and Canada. We use our experience at the intersection of energy, infrastructure, and sustainability to help high-profile clients meet their critical needs.

Over the past 50 years, Salas O'Brien has developed particular expertise in planning, design, and construction in a variety of markets, such as education, commercial, retail, mixed use, etc.

Address

Salas O'Brien, LLC
541 Julia St.
Suite 200
New Orleans, LA 70130

Primary Point of Contact

David Bonaventure, PE, CEM
Managing Principal
E | david.bonaventure@salasobrien.com
P | 225.372.6961

MWVBE Firm

Salas O'Brien is not a Women-Owned, Minority-Owned, or Disadvantaged Business Enterprise (DBE).

Team Licensure and Experience

David Bonaventure (PE, LA #: 0031064), 24 Years Licenced
Jacob Truax (PE, LA #0040358), 10 Years Licenced

Percentage of scope

Salas O'Brien expects to complete 100% of the Mechanical, Electrical, Plumbing, and Technology design scope being proposed.

SERVICES

Embracing the unique nature of each problem and creating impact by solving it.

- ▲ MEP/FP
- ▲ Technology
- ▲ Acoustics
- ▲ Commissioning
- ▲ Structural
- ▲ Civil
- ▲ Interiors
- ▲ Energy & resiliency
- ▲ Sustainability
- ▲ Geothermal & Renewables
- ▲ Resource efficiency management
- ▲ Digital & automation
- ▲ Building envelope
- ▲ Building science
- ▲ Litigation support
- ▲ Asset management



95+

Offices throughout North America

900+

Registered professionals

3,850+

Passionate team members

RECOGNITION

Our consistent recognition among top-performing organizations in our industry reflects our commitment to excellence and solid year-over-year performance.

Engineering News Record 2024

#39 on the Top 500 Design Firms List

MEP Giants 2024

#9 top 100 MEP firms in North America

Inc. 5000 2024

12x honoree

BD+C Giants 400 2024

#3 on the Top 70 Engineering Firms list

Zweig Group Hot Firms 2024

#3 fastest-growing AEC firms in North America



Library Experience

- ▲ Chicago State University Library
- ▲ University of Notre Dame Hesburg Library
- ▲ University of Wisconsin River Falls
- ▲ University of Wisconsin Lacrosse
- ▲ University of Iowa
- ▲ Northland College Dexter Library Renovations
- ▲ UGA Library
- ▲ Jimmy Carter Presidential Library
- ▲ Laney College Library
- ▲ DePaul University Richardson Library
- ▲ Northwestern University Mudd Library
- ▲ Northwestern University Library
- ▲ Northwestern University FSM Galter Library
- ▲ Grinnell College Science Library
- ▲ Carleton College Bould Library
- ▲ Northland College Dexter Library
- ▲ University of St. Thomas
- ▲ Macalester College
- ▲ Drake University Iowa Opperman Law Library
- ▲ St. John's University Hill Museum & Library
- ▲ Buckley School Performing Arts Center and Library
- ▲ VCU Cabell Library
- ▲ Minot State University Gordon B. Olson Library
- ▲ Elmhurst College Buehler Library Lower Level Renovation
- ▲ Liberty University Library Central Plant
- ▲ Emory Woodruff Library
- ▲ University of California Science Library
- ▲ Montgomery County Law Library
- ▲ Swem Library
- ▲ Oak Park Public Library
- ▲ Flaxman Library
- ▲ Elmhurst College Library Addition
- ▲ El Toro Library Expansion
- ▲ Thompson Library Renovation
- ▲ Wieboldt Hall Shaffner Library HVAC Replacement
- ▲ Hopewell Regional Library
- ▲ Arabian Public Library
- ▲ Apache Junction Public Library
- ▲ Marana Continental Ranch Library
- ▲ Desert Foothills Library
- ▲ Crozet Library
- ▲ Peoria Public Library
- ▲ Prescott Valley Library
- ▲ Petersburg Public Library
- ▲ Fremont Public Library
- ▲ Fazier Park Library
- ▲ Harmon Library
- ▲ Watha T. Daniel Shaw Library
- ▲ Richmond Central Library
- ▲ Madison City Public Library
- ▲ Young Harris Library Renovation
- ▲ Emmett O'Neil Library
- ▲ Superior Public Library
- ▲ Mitchell Library
- ▲ Tangipahoa Parish Library

Experience in Jefferson Parish

- ▲ Bridge City Center for Youth - Bridge City, LA
- ▲ Jefferson Parish Computer Lab JC Simons - Bridge City, LA
- ▲ JPPS Airline Park Academy Administration Building - Metairie, LA
- ▲ John A. Alario Event Center Renovation - Westwego, LA
- ▲ Blue Cliff College Renovation - Metairie, LA
- ▲ Cubesmart, Labarre Rd & Airline Hwy - Jefferson Parish, LA
- ▲ Free To Be Power Yoga Studio, 2328 Metairie Rd - Metairie, LA
- ▲ Priority Floors Renovation, 5403 Powell St - Harahan, LA
- ▲ Superior For Men - Gretna, LA
- ▲ Surgical Center, 1041 Veterans Blvd - Metairie, LA
- ▲ Office & T-Shirt Print Shop, 658 Leson Ct. - Gretna, LA
- ▲ Sugar Mill Apartments - Kenner, LA
- ▲ Chuckles Comedy Club - Gretna, LA
- ▲ Westside Center South Smoke Infiltration Analysis - Gretna, LA
- ▲ Coldwell Banker Office Renovation, 320 Hessmer St. - Metairie, LA
- ▲ HotWorx Studio - Gretna, LA
- ▲ Bowers Ford Veterans Blvd - Metairie, LA
- ▲ Lakeview Self-Storage, Phase II - Metairie, LA
- ▲ Keller Williams, 3197 Richland - Metairie, LA
- ▲ Investar Banks Veterans Generator Upgrade - Metairie, LA
- ▲ Brookwood Storage Ames Blvd - Marrero, LA
- ▲ Investar Bank Elmwood - Metairie, LA
- ▲ The Dog Stop Buildout - Kenner, LA
- ▲ Terrytown Storage Renovation - Gretna, LA



Services

Mechanical Engineering

Our mission is to create environments that are functional and beneficial to the occupant's culture and quality of life. By providing unique responses to the individual needs of each client, we achieve a successful design that is an amalgamation of ideas from building owners and users. The resulting designs express a respect for people, community, and character, while meeting the more tangible goals of cost, schedule, and function.

Mechanical Design Capabilities:

- ▲ Heating Ventilation Air Conditioning (HVAC)
- ▲ Building Systems Evaluations
- ▲ Chilled & Hot Water Environments
- ▲ Chiller & Cogeneration Plants
- ▲ Heating Hot Water Distribution
- ▲ Utility Coordination
- ▲ Facility Flood Assessment
- ▲ Energy Code Consultation
- ▲ Energy Modeling Capabilities

Electrical Engineering

We will be an integral tool in shaping your future spaces to meet the demands of your community while enhancing the quality of life on campus. Salas O'Brien recognizes that your project is leading the charge in shaping your future, and requires a space that works the way YOU work. In addition to systems design for new facilities and building expansions, our engineers frequently provide existing electrical systems review and evaluation, in order to assist our clients in developing and prioritizing potential upgrade projects, budgetary costs, and phased growth plans. Our engineers have also provided detailed test and commissioning plans, as well as on-site witnessing of independent third party commissioning.

Electrical Design Capabilities:

- ▲ AC power systems
- ▲ Low, Medium and High Voltage distribution systems
- ▲ ARC Flash Studies
- ▲ Electrical System Coordination Studies
- ▲ AC standby and emergency generation plants
- ▲ Network data centers
- ▲ Computer centers
- ▲ Telecommunications switch facilities
- ▲ Lighting Design
- ▲ Coordination with Utility Companies
- ▲ Energy Code Consultation

Plumbing Engineering

Our team will provide real-world, field-tested perspective. We are experienced with multi-faceted teams to provide highly specialized designs. By providing unique responses to the individual needs of each client, utilizing technology specifically tailored to accomplish the highest quality sustainable infrastructure appropriate for each project. We have a long history of project design and construction and can accommodate evening and weekend installations. Our techniques and procedures assist in making sure that the project team can schedule and complete the documents, and, ultimately, construct the project to the client's as needed schedule.

Plumbing Design Capabilities:

- ▲ Sanitary Waste and Vent
- ▲ Domestic Hot & Cold Water
- ▲ Facility Flood Assessment
- ▲ Fire Protection Performance Specifications
- ▲ Coordination with Civil Engineers
- ▲ Assisting Civil Engineer with MUD Coordination
- ▲ Roof Drainage
- ▲ Domestic Water Booster
- ▲ Natural Gas
- ▲ Specialty Plumbing Piping Systems critical

Technology

Salas O'Brien strives for pride in maintaining knowledge in all forms of designs of solutions in structured cabling systems, public address systems, sound reinforcement solutions, CCTV, intrusion detection, physical access control systems, physical network infrastructure, inclusive equipment and software, as well as many other technology systems. Salas O'Brien has built and continues to maintain healthy relationships with local technology vendors to stay up to date on new and ever evolving technology that they have to offer. These relationships and years of hard work and dedication, gives us the best tools possible to insure our clients get the best technology that fits their needs and future.

Technology Design Capabilities:

- ▲ Fire Detection Systems
- ▲ Information Technology Systems
- ▲ Security Systems
- ▲ Structured Cabling Systems
- ▲ School Communication Systems
- ▲ Electronic Surveillance Systems
- ▲ Physical Access Control Systems
- ▲ Intrusion Detection Systems
- ▲ Heating Hot Water Distribution
- ▲ Utility Coordination / Facility Flood Assessment
- ▲ Energy Code Consultation
- ▲ Energy Modeling Capabilities

Affiant further said:

Debt Disclosures

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

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

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

Affiant further said:

Solicitation of Campaign Contribution Disclosures

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

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

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

Affiant further said:

Subcontractor Disclosures

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

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

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

Affiant further said:

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

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

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



Signature of Affiant

David Bonaventure

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 2nd DAY OF May, 2025.



Notary Public

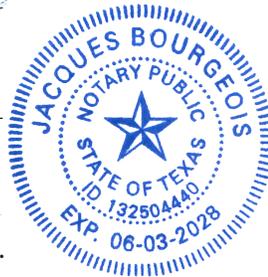
Jacques Bourgeois

Printed Name of Notary

132504440

Notary/Bar Roll Number

My commission expires 06.03.2028



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 25-015, Provide Professional Architectural and Engineering Services to Design and Construct the New West Bank Regional Library

B. Firm Name & Address:

High Tide Consultants, LLC

409 W. 21st Avenue - Suite B
Covington, LA 70433

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:

Richard Galloway, PE
Principal
409 W. 21st Avenue - Suite B
Covington, LA 70433
Email: ricky@hightidela.com
Phone: (985)-446-1110

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.

Richard Galloway, PE
Principal
409 W. 21st Avenue - Suite B
Covington, LA 70433
Email: ricky@hightidela.com
Phone: (985)-446-1110

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

<u> 2 </u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u> </u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u> 6 </u> Civil Engineers	<u> </u> Interior Designers	<u> 1 </u> Project Managers
<u> </u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical
<u> </u> Ecologists	<u> 3 </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u> 3 </u> Engineer Intern	<u> </u> Environmental Engineers	
<u> 1 </u> Professional Land Surveyors		<u>16</u> TOTAL

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

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

TEC Professional Services Questionnaire

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

1.
N/A

2.
N/A

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

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

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

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

9

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:

Richard Galloway, PE
Principal

Project Assignment:

Lead Engineer

Name of Firm with which associated:

High Tide Consultants, LLC

Years' experience with this Firm:

4 years

Education: Degree(s)/Year/Specialization:

BS Civil Engineering - Louisiana State University, 1994

Active registration: Year first registered/discipline:

Professional Engineer: Civil Engineer Louisiana, 1999, #28543
(licensed in 8 states total)

Other experience and qualifications relevant to the proposed Project:

Richard Galloway, P.E. has over thirty (30) years of experience in Civil Engineering and Construction Management and is licensed in eight (8) states. Ricky has a diverse background in civil engineering design, including land and site development projects, as well as public infrastructure projects including hydrology and hydraulic modeling, storm water management, water system design and modeling, sewer system design, sewer lift station design, sewer force main design, sewer treatment plant design, construction administration and resident inspection, design flood protection (levees, pump stations, bulkheads) design, master drainage plans, roadway and pavement rehabilitation design, and green infrastructure implementation. His land development experience includes numerous retail, healthcare, educational, multi-family, office, multi-use, industrial, and residential subdivision developments. Current public clients include St. Tamany Parish Government, City of Mandeville, City of Covington, and Plaquemine Parish Government. Mr. Galloway has completed well over 700 land development projects across multiple jurisdictions in over 30 states. He also has extensive knowledge of standard construction practices based on his past work experience as a field engineer for a heavy civil contractor and his past position with LADOTD

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
B. Shane Guin, PE Principal and Managing Member
Project Assignment:
Quality Assurance/Quality Control
Name of Firm with which associated:
High Tide Consultants, LLC
Years' experience with this Firm:
9 years
Education: Degree(s)/Year/Specialization:
BS Civil Engineering - Texas A&M University, 1998 Masters of Business Administration - University of Texas at Tyler, 2004
Active registration: Year first registered/discipline:
Professional Engineer: Civil Engineer Louisiana, 2005, #31745 (licensed in 13 states total)
Other experience and qualifications relevant to the proposed Project:
B. Shane Guin, PE is a licensed professional civil/structural engineer in thirteen (13) states with over 26 years of civil and structural design experience in both public and private projects. Mr. Guin began his career as a structural engineer in the petrochemical industry before moving to general civil engineering. As a result, Mr. Guin has a unique background of structural and general civil engineering projects including site design, sewer conveyance, sewer treatment, sewer lift station design, water distribution, hydrology and hydraulic modeling, drainage analysis, master planning, levee design, bulkhead design, retaining wall design and stormwater pump station design. Mr. Guin has completed numerous projects in Ascension, Lafourche and Terrebonne Parish's. Mr. Guin has performed site design for both public and private clients in southeast Louisiana and has extensive knowledge of permitting requirements of various local and state agencies.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Scott M. Porrier, PE Principal
Project Assignment:
Project Engineer
Name of Firm with which associated:
High Tide Consultants, LLC
Years' experience with this Firm:
6
Education: Degree(s)/Year/Specialization:
BS Civil Engineering - Louisiana State University, 2008
Active registration: Year first registered/discipline:
Professional Engineer: Civil Engineer Louisiana, 2012, # 37251
Other experience and qualifications relevant to the proposed Project:
Scott Poirrier is a licensed professional civil engineer with 16 years of various civil engineering design experience in both public sector and private projects. Scott joined High Tide Consultants, LLC (HTC) in 2018 and has already made an impact as a leader in his local community in the River Parishes. He is currently working on various public infrastructure improvements projects including drainage conveyance, gas distribution, public roadway, recreation, and bulkhead improvements. Over the years as a design professional, Mr. Poirrier has been the lead engineer on a wide range of site development and civil infrastructure improvement projects in the southeast United States, starting from project conception through project completion. He has an extensive background in stormwater management, utility conveyance design, hydrology and hydraulic analysis, site development, and is very knowledgeable in civil construction practices required to carry out a successful project. Current public clients include St. James Parish Government, St. John Parish Government, City of Gramercy, and the City of Litcher.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Patrick S. Mathes, PE Civil Engineer
Project Assignment:
Project Manager
Name of Firm with which associated:
High Tide Consultants, LLC
Years' experience with this Firm:
2+ years
Education: Degree(s)/Year/Specialization:
BS Civil Engineering - Louisiana State University, 2011
Active registration: Year first registered/discipline:
Professional Engineer: Civil Engineer Louisiana, 2017, #42054
Other experience and qualifications relevant to the proposed Project:
Patrick Mathes, has over thirteen (13) years of experience in Civil Engineering and Construction Management and is licensed in Louisiana. Patrick's experience spans both the private and public sectors, having been employed by both LADOTD and private firms. He has managed the planning and design of water, sanitary sewer, telephone, electricity, and gas utilities and has handled permitting coordination with various City, Parish/County, and State agencies and municipalities. Mr. Mathes' engineering experience includes the design of many commercial, educational, medical, and industrial developments, subdivision design and master planning, roadway design, hydrology and hydraulic modeling, stormwater management, and erosion control design. He also has a great understanding of standard construction practices from his past work experiences and a field engineer, as well as his past position with LADOTD. Current public clients include Plaquemine Parish Government, St. Tammany Parish Government and the City of Mandeville.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Caleb Frost, EI Project Engineer
Project Assignment:
Project Engineer
Name of Firm with which associated:
High Tide Consultants, LLC
Years' experience with this Firm:
1 year
Education: Degree(s)/Year/Specialization:
BS Civil Engineering - Louisiana State University, 2023
Active registration: Year first registered/discipline:
Engineer Intern: Civil Engineer Louisiana, 2024, #35664
Other experience and qualifications relevant to the proposed Project:
Caleb Frost is an Engineer Intern for the State of Louisiana with 2 years experience in civil engineering while working with High Tide Consultants, LLC and his previous employer. Caleb has assisted in design for both private and public projects including commercial and industrial facilities, neighborhoods, public athletic facilities, schools, and government office buildings, as well as master planning for large scale projects (+1,000 acres). He has experience with hydrology and hydraulic modeling, site drainage analysis, neighborhood design with associated utilities, master planning, and roadway design and rehabilitation. His technical experience includes Civil 3D, Hydraflow Hydrographs, Express Modeling, and Microsoft applications for these designs and analyses.

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:	
Athletic Academic Training & Football Facility – Southeastern Louisiana University, Hammond, LA SLU Facility Planning Ken Howe, Director 985-549-2240 kenneth.howe@southeastwrn.edu	HTC provided full civil and site structural services for a new 30,000 SF, \$ 12,000,000 athletic facility at Southeastern Louisiana University. HTC's services included site, grading, drainage, erosion control, utility plans, football field turf replacement plans, and tree preservations plans.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2025	\$12,000,000	\$ 1,500,000

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Nursing and Workforce Training Facility – Fletcher Technical Community College, Houma, LA Fletcher Technical Community College Eric Jeffers 985-448-7993 eric.jeffers@fletcher.edu	HTC provided full civil design services for the new 50,000 SF Nursing and Workforce Training Center at Fletcher Technical Community College in Houma, LA. HTC provided site, grading, drainage, erosion control and utility plans, regulatory permitting, conditional use approvals and construction.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$ 2,500,000	\$ 750,000

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Lake Elementary St. Amant, LA Ascension Parish School Board Jamie McKnight 225-391-7000 jmcknight@apsb.org	Project included modular building addition to accommodate 300 students. HTC provided all civil design services including access drive, drainage improvements, parish permitting and sewer upgrades.	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2024	\$ 1,100,000	\$340,000

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Old Golden Shores Drainage Improvements Mandeville, LA City of Mandeville Keith LaGrange Public Works Director Phone Number: 985-624-3169 Email:klagrangec@cityofmandeville.com	The City of Mandeville has engaged High Tide Consultants, LLC (HTC) to assess the existing drainage conditions within Old Golden Shores and provide recommendations for improvements to the primary outfall channel and improvements to the interior conveyance system throughout the subdivision. HTC engaged Intracoastal Consultants, LLC (Intracoastal) as a sub-consultant to assist with the hydrologic and hydraulic (H&H) modeling. The Old Golden Shores subdivision is located on the north shore of Lake Pontchartrain within the city limits of Mandeville. The study area is approximately 60 acres of urban land use that has a direct connection with Lake Pontchartrain. Currently, Old Golden Shores has a primary outfall channel that drains the subdivision either south towards Lake Pontchartrain or north to Bayou Chinchuba. Due to vegetation and debris within the outfall channel and undersized cross drains at Copal and Esquinance streets, the subdivision experiences flooding from localized storm events. HTC and Intracoastal performed an Alternatives and H&H Analysis to evaluate improvements to the primary outfall channel and interior improvements within the subdivision.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Estimated October 2025	\$ 3,500,000	\$ 3,500,000

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Cyprien FDA Analysis and Interconnectivity Study Lafourche Parish</p> <p>North Lafourche Levee District (NLLD) Mr. Arthur Ostheimer 985-537-2244 athuro@nlcldd.com</p>	<p>High Tide Consultants, LLC (HTC) is responsible for the evaluation and analysis of the existing Cyprien FDA reservoir and pump station operation along with the interconnectivity with said FDA with the adjacent Butch Hill FDA. The initial scope includes investigation of the size of the existing reservoir and its effect on the existing pump station. Also, HTC is to review data to determine the applicable water surface for the initial Pump On elevation which establishes the resting elevation in the reservoir. Lastly, HTC is investigating the benefit of connecting the two FDA's through a water control structure for emergency events.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2024	\$ 4,000,000	\$ 4,000,000

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Bayou Lacombe Regional Detention Pond</p> <p>Lacombe, LA</p> <p>St. Tammany Parish Government Daniel Hill, PE 985-898-2552 dphill@stpgov.org</p>	<p>High Tide Consultants, LLC (HTC) is currently providing engineering and design services for the Bayou Lacombe Regional Detention Pond project in St. Tammany Project. This project included hydrologic and hydraulic modeling as well as topographic surveying services for the 68,000-acre Bayou Lacombe/Cyprus Bayou drainage basin in an effort to develop an engineering solution to lessen flooding impacts to St. Tammany Parish and the Lacombe area. The solution includes potential channel improvements and master planning a series of regional detention ponds located at the strategic locations throughout the drainage basin.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Estimated 2025	\$ 8,000,000	\$ 8,000,000

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
City of Covington Recreation Design Assistance City of Covington Erin Bivona 317 N Jefferson Ave Covington, LA 70433 985-898-4716 ebovina@covla.com	High Tide Consultants, LLC (HTC) has been selected by the city of Covington to provide design assistance for upgrades and improvements to the numerous City recreation facilities. HTC will initially assist the City in a needs assessment, scope determination, program planning, and funding procurement. In addition, as projects are identified, HTC will perform surveying (through a sub-consultant), preliminary and final design, site design, hydraulic and hydrological analysis where needed, utility assessment and design of new facilities, development of construction and bid documents, permitting, bidding assistance, construction management and residential inspection services. Projects are expected to include upgrades to playground equipment, walking and all-purpose trails, re-purposing of fields, conversion or new construction of courts, playground and other facilities, upgrades to dock and marina facilities.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Estimated 2026	\$ 2,000,000	\$ 2,000,000

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
United Medical Rehabilitation Hospital, Hammond, LA MGD Deluxe, LLC Warren Swenson 200 West University Ave Hammond, LA 70401 504-616-5285 wswenson@umrhospital.com	HTC provided all civil design services for a new 36,000 SF rehabilitation hospital, including site, grading, drainage, erosion control and utility plans. HTC also provided a hydraulic and hydrological study including on-site detention, regulatory permitting and construction administration.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$ 5,000,000	\$ 900,000

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
East Bank Recreation Facility Gramercy, LA St. James Parish Government Rick Webre, Operations Director Phone Number: 225-562-2500 Email: rick.webre@stjamesla.com	High Tide Consultants, LLC (HTC) served as the Project Manager and Civil Engineering consultant for this Recreational project for St. James Parish. HTC led the design team while teaming with an architectural sub-consultant for the design of this expansion. The project consisted of a 4,000 square foot expansion to an existing PEMB building purchased by the parish to serve as their main Recreational Hub. The facility was designed to include offices and meeting rooms to house the parish recreation staff. The facility also included the installation of a multi-purpose gymnasium to host their parish-wide indoor recreational sports as well as serve as the new location for the parish fitness center. HTC provided conceptual planning, design, and construction documents, bid and contract negotiation assistance, and provided construction support through the completion of the project in 2022.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$ 600,000	\$ 600,000

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Lutcher Library Archive Building Lutcher, LA St. James Parish Government Rick Webre, Operations Director Phone Number: 225-562-2500 Email: rick.webre@stjamesla.com	High Tide Consultants, LLC (HTC) is providing engineering services for the construction of a new stand-alone 2,000 square foot building on the campus of the existing Lutcher Library located in the Town of Lutcher, St. James Parish. The building is being constructed as a steel frame structure with exterior brick / mortar and metal roof. The relevance of the project is to provide a central location and building within the parish to support the storage of Parish archive files and documents, both paper and electronically. The archive building will contain storage filing systems and computer stations for the parish staff and public to research and access archive files contained within the parish database. The building will also allow for the on-site viewing of documents in a viewing space and a meeting room to allow for group conferences or meetings if needed. Careful consideration was given in the design of the floor plan layout and mechanical systems to ensure preservation of the physical archive documents that will be secured at this location.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2025	\$ 900,000	\$ 900,000

TEC Professional Services Questionnaire

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

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

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

HTC is a regional firm with multiple offices across south east Louisiana performing a vast array of private and public projects. The firms three partners bring over 70 years of combined experience. Below is a list of our local public clients:

- Plaquemines Parish
- St. Tammany Parish Government
- City of Mandeville
- City of Covington
- City of Slidell
- Lafourche Parish
- Terrebonne Parish
- City of Thibodaux
- St. James Parish Government
- St. Charles Parish Government
- St. Mary Parish Government
- Town of Gramercy
- Town of Lutcher
- Lafourche Parish Water District.
- Utilities, Inc.
- North Lafourche Levee District
- Assumption Parish Government
- Ascension Parish Government

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

Signature:  Print Name: Richard C. Galloway, P.E.
 Title: Principal Date: 5/7/2025

Louisiana Professional Engineering and Land Surveying Board

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

Name:	Public Address:
High Tide Consultants, LLC	Mr. B. Shane Guin 700 Canal Boulevard Thibodaux, Louisiana 70301

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0005787	Active	07/21/2015	03/31/2026	Mr. Brandon Shane Guin # PE.0031745

8550 United Plaza Boulevard | Suite 903 | Baton Rouge, LA 70809-2296
225-925-6291 | Fax 225-925-6227

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 25-015

Provide Professional Architectural and Engineering Services to Design and Construct the New West Bank Regional Library

B. Firm Name & Address:

Eustis Engineering L.L.C.

3011 28th Street, Metairie, Louisiana 70002

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

Gwendolyn P. Sanders, P.E. / President / 504-834-0157 / gsanders@eustiseng.com

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

Sean G. Walsh, P.E. / Vice President & Engineering Manager / 504-834-0157 / swalsh@eustiseng.com

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

<u> 7 </u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> 2 </u> Geologists	<u> </u> Structural Engineers
<u> </u> Chemical Engineers	<u> 17 </u> Geotechnical Engineers	<u> 3 </u> Graduate Engineers
<u> </u> Civil Engineers	<u> </u> Interior Designers	<u> </u> Project Managers
<u> </u> Construction Inspectors	<u> </u> Landscape Architects	<u> 11 </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> 5 </u> Engineer Intern	<u> </u> Environmental Engineers	<u> 47 </u> Other
<u> </u> Professional Land Surveyors		<u> 92 </u> TOTAL

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

If marked “No,” skip to Section I. If marked “Yes,” complete Sections G-H.

TEC Professional Services Questionnaire

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

1. Not applicable.

2.

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

YES NO

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. Not Applicable.		
2.		
3.		

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

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

Project Assignment:

Geotechnical Project Manager / Supervisor – Engineer (P.E.)

Name of Firm with which Associated:

Eustis Engineering L.L.C.

Years' Experience with This Firm:

23

Education: Degree(s)/Year/Specialization:

Master of Science / 1999 / Civil Engineering

Bachelor of Science / 1996 / Civil Engineering

Active Registration: Year First Registered/Discipline:

Louisiana: 2002 / Civil Engineering

Mississippi: 2007 / Engineering

Texas: 2014 / Civil Engineering

Florida: 2001 / Engineering

Alabama: 2003 / Engineering

Arkansas: 2014 / Engineering

Other Experience and Qualifications Relevant to the Proposed Project:

Accreditations / Affiliations / Certifications

Member: American Society of Civil Engineers (Past President of New Orleans Branch; Vice Chairman of Geo-Institute Louisiana Chapter)

Certification: Transportation Worker Identification Credential (TWIC)

Professional Experience

From 1993 to 1994, Mr. Benjamin M. Cody first worked with Eustis Engineering as a part-time laboratory soil technician while obtaining his undergraduate degree. After leaving Eustis Engineering in 1994, Mr. Cody worked as an engineering technician with the Sewerage & Water Board of New Orleans and as a student laboratory coordinator at Tulane University's Department of Civil Engineering. Mr. Cody also assisted in teaching the introductory soil mechanics laboratory sessions. For more than a year, he then worked as a graduate research assistant at Tulane University while pursuing his master's degree. At that time, he was responsible for the design, construction, and implementation of bench scale testing system in contaminated soil remediation.

From 1998 until 2001, Mr. Cody worked for engineering firms in Florida. He performed such duties as soil evaluation and engineering recommendations for projects of varying sizes including multi-story structures, bridges, and roadways. He performed Phase I environmental site assessments as well as geotechnical sensor installation.

In 2001, he returned to the New Orleans area and to Eustis Engineering as a Project Engineer. He now serves as a Principal Engineer with the firm. Since his return, Mr. Cody has performed a wide variety of engineering services including geotechnical project management, engineering design, engineering during construction, and dynamic pile testing. Private sector projects have varied from small private or commercial structures to multi-story high-rise structures, storage tanks, and other industrial facilities. Public projects have included roads and bridges, port facilities, government buildings and facilities, schools, and hurricane protection system improvements.

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:

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

Some of Mr. Cody's project experience, shown in this submittal, includes the following:

- **St. John the Baptist Public Library** – New Branch Library, LA Highway 44 and West 4th Street Reserve, Louisiana (24470.00-.03)
- **Jefferson Parish School Board** – Proposed Building, 1805 Bridge City Avenue, Westwego, Louisiana, JPPSS Project No. 2023-17, JPPSS Work Order No. CK-1012 (25298)
- **Jefferson Parish Public School System** – Young Audiences Charter School, 1000 Burnmaster Street, Gretna, Louisiana (24021)
- **Jefferson Parish** – West Bank Central Warehouse Facility, LA Highway 18, Bridge City, Louisiana (22720.00, .01)
- **Jefferson Parish School System** – Granville T. Woods Elementary School, New Six-Classroom Building, 1037 31st Street, Kenner, Louisiana, JPPS Work Order No. CC-1212 (23488)
- **Sunshine Day Care** – Oakmere Business and Office Park, Paxton Street, Harvey, Louisiana (25300)
- **Laborie's Grocery** – Proposed Store, 2701 Baratavia Boulevard, Marrero, Louisiana (24891)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Patrick A. Thurmond, P.E. / Project Manager
Project Assignment:
Geotechnical Project Manager / Engineer (P.E.)
Name of Firm with which Associated:
Eustis Engineering L.L.C.
Years' Experience with This Firm:
9
Education: Degree(s)/Year/Specialization:
Post Graduate Program / 2022 / Data Science and Business Analytics Graduate Certificate / 2021 / Coastal Sciences Master of Science / 2020 / Civil Engineering Graduate Certificate / 2018 / Coastal Engineering Master of Science / 2018 / Engineering Management Bachelor of Science / 2015 / Civil Engineering
Active Registration: Year First Registered/Discipline:
Louisiana: 2020 / Civil Engineering Mississippi: 2023 / Civil Engineering Texas: 2020 / Civil Engineering New Hampshire: 2025 / Professional Engineer Connecticut: 2025 / Professional Engineer
Other Experience and Qualifications Relevant to the Proposed Project:
<p>Prior to joining the staff of Eustis Engineering, Mr. Thurmond began developing his skills as an intern for the U.S. Department of Agriculture's Natural Resources Conservation Service (USDA NRCS) in Cheyenne, Oklahoma. While there, he gained skills associated with land surveying, erosion control structural design, and hydrology. Mr. Thurmond also interned with a New Orleans-area consulting engineer where he gained skills in construction management and drainage system designs.</p> <p>After graduating from the University of Oklahoma, Mr. Thurmond took a position with Eustis Engineering as an Assistant Project Engineer and was later promoted to Project Engineer. In 2021, he received another promotion to Project Manager, where he continues to excel. In these positions, Mr. Thurmond coordinated site access, assigned laboratory tests, and coordinated project requirements and development with clients. He became adept at a variety of geotechnical engineering analyses and evaluations including allowable bearing capacity, allowable pile load capacity for various types of piles, pile response to vertical and lateral loading, slope stability analyses of levees and earthen structures, sheetpile wall design, effects of drag loads on deep foundations, wick drain design, and settlement. Mr. Thurmond developed proficiency with many engineering programs such as DRIVEN®, LPILE®, TZPILE®, and GROUP® by Ensoft, Inc.; SEEP/W and SLOPE/W by GeoStudio; Settle3 by RocScience Inc.; and GRLWEAP by Pile Dynamics, Inc.</p> <p>Mr. Thurmond has been heavily involved in the operation and maintenance of cone penetrometer equipment, as well as the evaluation, reduction, and correlation of cone penetration test (CPT) data. Other field activities include performing dynamic pile testing, parallel seismic testing, sonic echo/impact response testing, and thermal integrity profiling. Mr. Thurmond holds a drone pilot license and operates Eustis Engineering's drone to facilitate site accessibility assessments for remote locations prior to field exploration.</p>

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Patrick A. Thurmond, P.E. / Project Manager

Mr. Thurmond has direct involvement with the following projects related to this submittal:

- **St. John the Baptist Public Library** – New Branch Library, LA Highway 44 and West 4th Street Reserve, Louisiana (24470.00-.03)
- **Jefferson Parish School Board** – Proposed Building, 1805 Bridge City Avenue, Westwego, Louisiana, JPPSS Project No. 2023-17, JPPSS Work Order No. CK-1012 (25298)
- **Jefferson Parish Public School System** – Young Audiences Charter School, 1000 Burnmaster Street, Gretna, Louisiana (24021)
- **Cornerstone Chemical Company** – American Plant Food Corporation, Project Gumbo, Geotechnical Tasks 1 Through 3, Waggaman, Louisiana (24849)
- **C & C Machine Shop, L.L.C.** – Proposed Machine Shops and Office, Harvey, Louisiana (24685)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Patrick Tennant Duckworth, P.E. / Project Engineer
Project Assignment:
Geotechnical Project Engineer / Engineer (P.E.)
Name of Firm with which Associated:
Eustis Engineering L.L.C.
Years' Experience with This Firm:
4
Education: Degree(s)/Year/Specialization:
Master of Science / 2020 / Civil Engineering Bachelor of Science / 2018 / Civil Engineering
Active Registration: Year First Registered/Discipline:
Louisiana: 2024 / Civil Engineering Mississippi: 2024 / Civil Engineering
Other Experience and Qualifications Relevant to the Proposed Project:
<p>After receiving his undergraduate degree from the University of Mississippi, Mr. Duckworth served as a Teaching Assistant while attending graduate school full time. His Teaching Assistant duties included oversight and instruction of the geotechnical engineering laboratory. He also performed research through the Mississippi Department of Transportation during his undergraduate and graduate studies.</p> <p>Mr. Duckworth joined Eustis Engineering's staff as an Assistant Project Engineer, where his duties included directing, coordinating, and exercising functional authority for planning, organization, control, integration, and completion of engineering projects within the area of assigned responsibility by performing essential duties personally or through subordinates. After recently passing the P.E. exam, he was promoted to Project Engineer.</p> <p>As an Assistant Project Engineer and Project Engineer, Mr. Duckworth also works under the technical and administrative supervision of a Project Manager. He may work under the technical supervision of a Senior Project Manager or Principal Engineer. He receives technical guidance on all engineering projects, and supervisory approval on proposed plans for engineering projects. He coordinates agency permits for our field operations, develops work orders for field personnel and performs One Calls to clear utilities for these services. In addition to coordinating field services, he also coordinates laboratory test assignments, development of boring logs, and compilation of data reports. He performs geotechnical engineering design analyses and develops design reports. He is proficient in estimating allowable pile load capacity, bearing values, and performing stability analyses.</p> <p>In addition to engineering office duties, Mr. Duckworth can perform field services associated with engineering design and construction. Specifically, he operates dynamic pile testing (DPT) equipment to evaluate driving stresses and pile capacity during initial driving and restrikes. He has performed these DPT services for projects on land and over water. He also is involved with construction phase service oversight, including directing field technicians and schedules.</p> <p>Mr. Duckworth has involvement with the following projects in this submittal.</p> <ul style="list-style-type: none">• St. John the Baptist Public Library – New Branch Library, LA Highway 44 and West 4th Street Reserve, Louisiana (24470.00-.03)• National Park Service – Jean Lafitte National Historic Park and Preserve, Jones Point Boat Storage and Parking, Marrero, Louisiana, Croft Project No. 2023-415 NPS Jela 325249 JP. Croft Task Order No. 2023-415-Eustis-202406020-001_R2 (25290)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Patrick Tennant Duckworth, P.E. / Project Engineer

- **Cornerstone Chemical Company** – American Plant Food Corporation, Project Gumbo, Geotechnical Tasks 1 Through 3, Waggaman, Louisiana (24849)
- **C & C Machine Shop, L.L.C.** – Proposed Machine Shops and Office, Harvey, Louisiana (24685)

PROJECT NO. 01

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

Nature of Firm's Responsibility:

**St. John the Baptist Public Library
New Branch Library
LA Highway 44 and
West 4th Street
Reserve, Louisiana
Eustis Engineering Project Nos. 24470.00-.03**

Contact Information:

St. John the Baptist Public Library Through
KW Commercial
3197 Richland Avenue
Metairie, Louisiana 70002
Michael Allain @ 504-889-9898

St. John the Baptist Parish's library system planned the construction of a new 20,000 square foot library in Reserve, Louisiana. The building would primarily be two stories with one portion of the structure standing three stories tall. The structure would be surrounded by parking and drive aisles with 56 parking spaces covering approximately 25,000 square feet. Estimated maximum column loads of 300 kips and perimeter wall loads of 2.5 kips/ft were provided to Eustis Engineering for our engineering analyses.

Because the field operations were within 1,500 feet of the Mississippi River levees, Eustis Engineering obtained a permit from the Pontchartrain Levee District. Once approved, our field crews drilled one soil boring to a depth of 100 feet, five auger borings to depths of 5 feet, and two cone penetration tests to depths of 100 feet below the existing ground surface. Dynamic cone penetration tests were also performed at the corresponding auger boring locations. Once field operations were completed, soil mechanics laboratory tests were performed on soil samples collected in the field.

Using the information collected from our field and laboratory operations, our engineering staff performed engineering analyses and developed recommendations for the project. This information was summarized in our geotechnical report and included:

- groundwater management;
- Seismic site classification of the subsoils;
- allowable load capacities for various sizes of treated ASTM D25 quality timber piles, both in compression and tension;
- pile installation recommendations;
- allowable soil bearing values for isolated square footings and continuous strip footings;
- settlement estimates;
- recommendations for trenching and excavations;
- estimated lateral earth pressures for underground features; and
- recommended components and thicknesses for flexible and rigid pavements.

After submitting our geotechnical report, Eustis Engineering was asked to provide supplemental engineering services. These supplemental services included the evaluation of total and differential settlement potential between piles supporting the structural columns and floor slab. We evaluated the possibility of varying pile lengths to reduce construction costs. However, the settlement tolerances could not be met, and a single pile embedment was selected. We also developed recommendations for the test pile program including selecting the

PROJECT NO. 01		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	probe pile locations to assess tipping the job piles in an underlying sand deposit.	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
11/2022 (A)	Unknown	\$18,650

PROJECT NO. 02

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

Nature of Firm's Responsibility:

**Jefferson Parish School Board
Proposed Building
1805 Bridge City Avenue
Westwego, Louisiana
JPPSS Project No. 2023-17
JPPSS Work Order No. CK-1012
Eustis Engineering Project No. 25298**

Contact Information:
Jefferson Parish School System
4600 River Road
Marrero, Louisiana 70072
Douglas L. Stream @ 504-349-7732

Eustis Engineering performed a geotechnical exploration for the proposed transportation maintenance facility to be constructed at 1805 Bridge City Avenue in Westwego, Louisiana. The facility will comprise a single-story building with office space and a garage area with a 20-ft eave height for repair bases suitable for school buses. Around the building, pavements comprising 53 parking spaces and 92 bus parking slips are planned. The exploration included the drilling of ten soil borings to evaluate subsoil conditions and stratification and to obtain samples of the various substrata encountered. Two soil borings were drilled to depths of 70 and 75 feet below the existing ground surface. Eight soil borings were drilled to depths of 8 feet within the proposed pavement areas of the project. The borings were drilled using a truck-mounted rotary-type drill rig.

Cohesive or semi-cohesive subsoils were sampled in the borings at close intervals or changes in stratum using a 3-in. diameter thinwall Shelby tube sampling barrel. Pocket penetrometer tests were performed on trimmed ends of the extruded samples to provide a general indication of the soil's shear strength or consistency. All samples were inspected and visually classified by Eustis Engineering's soil technician. Representative portions of the samples were placed in moisture-proof containers and returned to Eustis Engineering's laboratory for additional testing.

Samples of cohesionless material were obtained during the performance of in-situ Standard Penetration Tests (SPTs). The standard penetration resistance is indicative of the relative density of cohesionless soils and the consistency of cohesive soils. The samples were retained in moisture-proof containers for preservation of their natural moisture content.

Soil mechanics laboratory tests consisted of visual classification, natural water content, unit weight, unconfined compression shear (UC), and unconsolidated undrained triaxial compression shear (OB). These tests are necessary to aid in classification of the subsoils and to determine the relative strength and compressibility of the subsoils. In addition, Atterberg liquid limits (LL) and plastic limits (PL) tests and the test to establish the percent passing a U.S. Standard No. 200 mesh sieve were performed to aid in classification of the subsoils.

Eustis Engineering made site observations of the existing school grounds noting multiple buildings, a circular driveway, existing gravel parking area, and an open field with play equipment. We interpreted the stratigraphy of the subsoils and made visual observations of the groundwater. The groundwater observations were made in two separate auger borings during drilling. The auger borings were each drilled without the addition of water to a depth of 11 feet, where free

PROJECT NO. 02		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	<p>water was initially observed.</p> <p>Eustis Engineering performed engineering analyses to provide foundation recommendations for the proposed building. We provided recommendations for both shallow and deep foundations as final design loads and settlement tolerance were not available at the time our geotechnical design report was completed.</p> <p>Eustis Engineering provided additional recommendations for groundwater management, site preparation, fill settlement, areal subsidence, test piles and load tests, pavements, vibrations, installation of driven piles, and geotechnical services during construction.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
09/2024 (A)	Unknown	\$15,800

PROJECT NO. 03

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

Nature of Firm's Responsibility:

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

Contact Information:

Young Audiences Charter Association
1407 Virgil Street
Gretna, Louisiana 70053
Edna R. Moore @ 504-304-6332

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

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

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

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

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

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

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

PROJECT NO. 03

PROJECT NO. 03		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	<p>International Building Code;</p> <ul style="list-style-type: none">• allowable vertical load capacities, in compression and tension, for various sizes and embedments of treated ASTM D25 quality timber piles, timber composite, single-piece and segmented open-end steel pipe piles, and augercast concrete piles;• pile installation recommendations;• both flexible and rigid pavements; and• general foundation construction procedures.	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
02/2019 (A)	Unknown	\$17,600

PROJECT NO. 04

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

Nature of Firm's Responsibility:

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

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

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

The project was to consist of two major structures: a warehouse and a poles/fixtures building, and 21 parking spaces. The warehouse would have plan dimensions of 168' x 216'. The poles/fixtures building would have approximate plan dimensions of 50' x 110'. Approximately 3 feet of structural fill was anticipated to raise the site's grade to construction levels beneath the proposed structures. As an alternative to the structural fill, expanded polystyrene foam (EPS) blocks were being considered to raise the grade of the building footprints. Other project components included a new fenced laydown yard, parking areas and driveways, a loading dock on the northeastern corner of the warehouse, and underground drainage pipes having a maximum 24-in. diameter with an estimated maximum bearing depth of 4 feet.

At the time of our field activities, the site was observed to be a generally level, open lot with an existing fence, fuel storage tanks, a fueling island, and minimal vegetation. Eustis Engineering drilled three undisturbed sample type soil test borings to depths of 60 to 100 feet and two auger borings to depths of 10 feet. Subsoil samples were obtained in the field using a 3-in. diameter thinwall Shelby tube sampling barrel. The samples were then tested in our laboratory to determine subsurface conditions and stratifications. Soil mechanics laboratory tests consisted of natural water content, unit weight, unconfined compression shear, and Atterberg liquid and plastic limits tests.

Our engineering analyses included:

- site preparation addressing the need for adequate drainage during and after construction;
- appropriate clearing and stripping operations complying with the State of Louisiana Department of Transportation and Development's standard specifications;
- subgrade preparation;
- recommended structural fill material type and its compaction;
- estimated fill settlement;
- areal subsidence;
- bracing for excavations in accordance with OSHA requirements;
- recommendations for the installation of new 6-in. to 24-in. diameter sewer and drain lines including bedding materials, the use of geotextile separation fabric, and backfill materials;

PROJECT NO. 04

PROJECT NO. 04		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	<ul style="list-style-type: none">• lateral earthen pressure on buried structures and at the truck wells associated with the loading dock;• allowable load capacities, in compression and tension, for various sizes of treated timber piles, timber composite piles, and square, precast concrete piles;• estimated settlement due to structural loads;• estimated settlement of piles due to fill placement;• recommendations for flexible and rigid pavements; and• recommended truck well designs and construction at the loading dock. <p>As the geotechnical engineer of record, Eustis Engineering provided recommendations to the contractor regarding the test pile program requirements. Our recommendations centered on the reaction piles and prepunching/predrilling operations. We also reviewed the test pile program for the consulting engineer on the project, providing our conclusions and professional opinions regarding the results of testing completed by others.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
05/2017 (A)	Unknown	\$11,500

PROJECT NO. 05

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Jefferson Parish School System Granville T. Woods Elementary School New Six-Classroom Building 1037 31st Street Kenner, Louisiana JPPS Work Order No. CC-1212 Eustis Engineering Project No. 23488</p> <p style="text-align: center;">Contact Information: Jefferson Parish Public School System 4600 River Road Marrero, Louisiana 70072 Scott Adams @ 504-349-7600</p>	<p>Eustis Engineering was solicited to complete the geotechnical explorations at Granville T. Woods Elementary School for a new six-classroom building for the Jefferson Parish Public School System. The building was planned as a single-story structure with a footprint of approximately 8,950 square feet.</p> <p>The exploration included the drilling of one undisturbed sample type soil test boring and two auger sample type soil test borings to determine subsoil conditions and stratification, and to obtain samples of the various strata encountered.</p> <p>One undisturbed boring was drilled to a depth of 75 feet below the existing ground surface in an area of the proposed building addition. Two auger borings were each drilled to a depth of 10 feet below the existing ground surface in the proposed pavement areas. All three borings were made using a truck-mounted rotary-type drill rig.</p> <p>Soil mechanics laboratory tests were performed in our accredited laboratory on samples obtained from the borings. The test results were used to evaluate the physical properties of the various substrata and as the basis of selected soil design parameters. These tests consisted of visual classification, natural water content, unit weight, unconfined compression shear, and unconsolidated undrained triaxial compression shear.</p> <p>Engineering analyses, based on the soil borings and laboratory test results, were made by our design team to determine recommendations regarding site preparation, estimates of allowable pile load capacities, estimates of settlement, and general foundation construction procedures.</p>	
<p style="text-align: center;">Completion Date (Actual or Estimated)</p>	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
03/2017 (A)	Unknown	\$5,350

PROJECT NO. 06

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Sunshine Day Care Oakmere Business and Office Park Paxton Street Harvey, Louisiana Eustis Engineering Project No. 25300</p> <p style="text-align: center;">Contact Information: Oman Gibson Associates LLC 2932 Foster Creighton Drive Nashville, Tennessee 37204 Charles E. Watkins, PMP @ 615-312-0275</p>	<p>Eustis Engineering L.L.C. performed a geotechnical exploration for a proposed day care center to be constructed on Paxton Street in the Oakmere Business and Office Park in Harvey, Louisiana. The exploration included the drilling of four undisturbed sample-type soil test borings to determine subsoil conditions and stratification and to obtain samples of the various strata encountered.</p> <p>One boring was drilled to a depth of approximately 70 feet below the ground surface and three borings were each drilled to a depth of approximately 10 feet. The borings were drilled using a truck-mounted, rotary-type drill rig and were grouted or backfilled in accordance with current regulatory requirements.</p> <p>Soil mechanics laboratory tests, performed on samples obtained from the borings, were used to evaluate the physical properties of the various substrata. Soil mechanics laboratory tests consisted of visual classification, natural water content, unit weight, unconfined compression shear (UC), and one-point unconsolidated undrained triaxial compression shear (OB). These tests are necessary to determine the relative strength and compressibility of the subsoils. In addition, Atterberg liquid limits and plastic limits tests were performed on selected representative samples to aid in classification of the samples.</p> <p>Engineering analyses, based on the soil borings and laboratory test results, were made to determine estimates of allowable single pile load capacity for various timber pile sizes and embedments as well as estimates of settlement due to structural loads. Recommendations were also provided for rigid pavements and general foundation construction (including placement and compaction of fill, site drainage, and pile instillation and testing methods).</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
08/2024 (A)	Unknown	\$8,000

PROJECT NO. 07

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p align="center"> National Park Service Jean Lafitte National Historic Park and Preserve Jones Point Boat Storage and Parking Marrero, Louisiana Croft Project No. 2023-415, NPS JELA 325249 Croft Task Order No. 2023-415-Eustis-20240620-001_R2 Eustis Engineering Project No. 25290 </p> <p align="center"> Contact Information: National Park Service through Croft & Associates, Inc. Suite 200 3400 Blue Springs Road Kennesaw, Georgia 30144 Adam Lamb @ 770-529-7714, Extension 315 </p>	<p>Croft and Associates, Inc., was tasked by the National Park Service to perform work at the Jean Lafitte National Historical Park and Preserve. The requested work included mostly interior renovations to existing buildings as well as some proposed structures. The new structures would consist of pile-supported boat storage and a new parking lot area. Eustis Engineering L.L.C. provided geotechnical services for the proposed structure areas.</p> <p>Our scope of service comprised field exploration, laboratory testing program, and design recommendations based on our field and laboratory testing results. Our field exploration included drilling two 3-in. diameter undisturbed sample-type soil test borings and two auger borings. The two undisturbed soil borings were drilled to depths of 100 feet and 70 feet, respectively, below the existing ground surface using a truck-mounted drill rig. The auger borings were each drilled to a depth of 10 feet below the existing ground surface and grab samples were collected from the auger blades.</p> <p>Soil mechanics laboratory tests consisted of visual classification, natural water content, unit weight, unconfined compression shear (UC), and one-point unconsolidated undrained triaxial compression shear (OB). In addition, Atterberg liquid limits and plastic limits tests and the test establishing the percent passing a U.S. Standard No. 200 mesh sieve were performed on selected representative samples. These tests were performed to aid in classification of the subsoils and to determine the relative strength and compressibility of the subsoils.</p> <p>Engineering analyses were performed based on soil borings and laboratory test results to develop recommendations including:</p> <ul style="list-style-type: none"> • estimates of allowable soil bearing values for shallow foundations; • estimates of allowable vertical load capacity for various sizes and types of timber and square, precast concrete piles; • recommendations for pile installation procedures; • estimates of settlement; • estimates of lateral earthen pressure parameters; and • discussion on seismic site classification. <p>General construction recommendations regarding site preparation, drainage, structural fill, compaction, and pavement components/thicknesses were also provided.</p>	
<p align="center">Completion Date (Actual or Estimated)</p>	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
08/2024 (A)	Unknown	\$18,300

PROJECT NO. 08		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Laborie Food Mart Proposed Grocery Store 2701 Barataria Boulevard Marrero, Louisiana Eustis Engineering Project No. 24891</p> <p style="text-align: center;">Contact Information: Alliance Design Group, L.L.C. Suite 401 1439 Centre Court Alexandria, Louisiana 71301 Adam Grunzinger, AIA @ 318-445-3151</p>	<p>Eustis Engineering L.L.C. completed a geotechnical exploration for Laborie Food Mart, Inc.'s proposed grocery store. The store was to be constructed at 2701 Barataria Boulevard in Marrero, Louisiana. The intent was to demolish the existing structure to construct the new grocery store within the same footprint as well as extending into an adjacent grassy lot.</p> <p>The field exploration consisted of one soil boring drilled to a depth of 70 feet below the existing ground surface and one auger boring drilled to a depth of 10 feet below the existing ground surface. Both were drilled using a truck-mounted rotary-type drill rig. Samples of cohesive or semi-cohesive subsoils were obtained from the soil boring at close intervals or changes in stratum using a 3-in. diameter thinwall Shelby tube sampling barrel. The samples were immediately extruded from the sampling barrel, inspected, and visually classified by Eustis Engineering's soil technician. Pocket penetrometer tests were performed on soil samples to give a general indication of their shear strength or consistency. Grab samples were collected from the auger blades and visually inspected and classified by Eustis Engineering's soil technician.</p> <p>Soil mechanics laboratory tests performed on samples from the borings consisted of visual classification, natural water content, unit weight, unconfined compression shear, and unconsolidated undrained compression shear. These tests are necessary to determine the relative strength and compressibility of the subsoils. In addition, Atterberg liquid limits and plastic limits tests were performed on selected representative samples to aid in classification of the subsoils.</p> <p>Based on the soil borings and laboratory test results, engineering analyses were made to determine estimates of allowable pile load capacity for driven timber piles, estimates of settlement, and recommendations for components and thicknesses for flexible and rigid pavements. Recommendations for general site preparation procedures, including placement and compaction of fill and drainage, were also provided.</p>	
	Estimated Cost:	
	Completion Date (Actual or Estimated)	Entire Project:
12/2022 (A)	Unknown	\$4,970

PROJECT NO. 09

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

Nature of Firm's Responsibility:

**Cornerstone Chemical Company
American Plant Food Corporation
Project Gumbo
Geotechnical Tasks 1 Through 3
Waggaman, Louisiana
Eustis Engineering Project No. 24849**

Contact Information:
InterMat, L.L.C.
3500 N. Causeway Blvd
Suite 190
Metairie, Louisiana 70002
Jose Pastrano @ 504-273-7097

American Plant Food Corporation (APF) of Texas is taking on Project Gumbo in Louisiana. This project will consist of two new facilities constructed at the existing Cornerstone Chemical Company in Waggaman, Louisiana. The first facility will comprise an ammonium sulphate fertilizer processing plant located within the existing Cornerstone Fortier plant. Currently, the fertilizer processing plant is in the conceptual design phase with several vendors developing potential layouts. The plant will be primarily situated within Block 4 of the Cornerstone facility. The second facility will house material handling and is planned directly adjacent (just upriver) to Cornerstone's existing plant in generally undeveloped areas. The material handling (import/export) facility will include a new barge dock near River Mile 114.75, conveyors, a separator/screening building, a storage building, and a transfer building with access to rail and truck routes including a railcar cleanout building.

Eustis Engineering L.L.C.'s scope of service for the project included support of InterMat, L.L.C.'s preliminary design efforts using available geotechnical data, submission of permit requests for the geotechnical exploration, performance of a project specific geotechnical exploration and results of engineering analyses supporting foundation design and other construction recommendations, and construction permit support including an evaluation of slope stability of the Mississippi River levee (MRL).

The subject geotechnical exploration included the drilling of 23 soil test borings and performance of 6 cone penetration tests (CPTs) to evaluate subsurface conditions and stratification, and to obtain samples of the various substrata.

Ten borings, designated as B-1 through B-10, were performed for structural elements on the land side of the levee. Boring depths varied between 75 and 125 feet. An additional nine shallow borings, designated RB-1 through RB-9, were drilled for the proposed rail line and roadways. Four marine borings, designated as MB-1 through MB-4, were performed on the batture (MB-4) and within the Mississippi River (MB-1 through MB-3) to support design of the dock. The land borings and the boring located on the batture were drilled with a combination of truck-mounted and track-mounted, rotary-type drill rigs to depths between 100 and 150 feet below existing grade. Marine borings located within the river were drilled using a truck-mounted rig loaded onto a deck barge. The CPTs were performed using a track-mounted cone penetrometer rig to depths of approximately 100 feet below the existing ground surface or practical refusal.

Our design team designated samples obtained during the field exploration for testing in our in-house accredited laboratory. These test results were evaluated in conjunction with historical data to

PROJECT NO. 09

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	<p>develop soil design reaches and design parameters for evaluation of the proposed project features. Engineering analyses were made to evaluate estimates of allowable soil bearing values; estimates of allowable vertical pile load capacity; recommendations for a proposed rail spur including railroad ballast and subballast thickness; recommendations for components and thicknesses for flexible, rigid, and aggregate pavements; and other general construction recommendations regarding site preparation, drainage, and placement and compaction of fill. We anticipate coordination with the design-build contractors for that portion of the project as their designs progress. In addition, as the overall project continues, Eustis Engineering may also conduct geotechnical services during construction to provide continuity among the exploration, design, and construction phases.</p> 	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
12/2023 (A)	Unknown	\$231,450

PROJECT NO. 10

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p align="center"> C & C Machine Shop, L.L.C. Proposed Machine Shops and Office Harvey, Louisiana Eustis Engineering Project Nos. 24685.00-.02 </p> <p align="center"> Contact Information: C & C Machine Shop, L.L.C. Post Office Box 832 Harvey, Louisiana 70059 Luke Bilich @ 504-362-7205 </p>	<p>This project comprised two new machine shops and an office building constructed on a vacant lot in Harvey, Louisiana, near the Lapalco Bridge. The new machine shops were planned to be one to two stories tall occupying approximately 40,000 to 50,000 square feet. Steel was intended to be stored within the shops; therefore, extreme floor loads were anticipated. Eustis Engineering L.L.C. was requested to perform a geotechnical exploration to provide appropriate deep foundation recommendations for the proposed structures.</p> <p>Three undisturbed soil borings were drilled to depths of approximately 100 feet below the existing ground surface. The borings were drilled with a truck-mounted rotary type drill rig. Undisturbed samples of cohesive or semi-cohesive subsoils were obtained at close intervals or changes in stratum using a 3-in. diameter thinwall Shelby tube sampler. Samples of cohesionless or semi-cohesive soils were obtained from the borings during the performance of in-situ Standard Penetration Tests. Upon completion of our field operations, the borings were grouted with cement-bentonite grout mix in accordance with current regulatory requirements.</p> <p>Soil mechanics laboratory tests, performed on samples obtained from the borings, were used to evaluate the physical properties of the subsurface soils. Engineering analyses, based on the soil borings and laboratory tests, were performed to determine recommendations regarding site preparation and drainage; subsoil and groundwater conditions; placement and compaction of fill material; estimates of allowable vertical pile load capacity; and estimates of settlement due to fill placement, structural loadings, and pile downdrag. We also provided general construction recommendations.</p> <p>Once the project advanced to the construction phase, a test pile program was required. Eustis Engineering provided pile installation observation at the project site, inspection of timber piles, and static compression load testing for the test pile program. We also provided construction materials testing including:</p> <ul style="list-style-type: none"> • compaction, laboratory testing, and sampling of earthwork; • field and laboratory testing and sampling of concrete; • concrete, grout, and mortar testing and inspection; • pile installation observation at the project site; and • welding inspection. 	
<p align="center">Completion Date (Actual or Estimated)</p>	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
04/2025 (A)	Unknown	\$80,070

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. None at this time.		

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

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

Eustis Engineering is the third oldest, continually operating geotechnical firm in the United States. From a single two-man office to approximately 115 individuals in five offices, the firm has grown to house accounting, administrative, quality control, safety, drilling, engineering, laboratory, and construction materials testing departments. These departments work together to provide our clients with the quality work desired in a cost efficient and timely manner.

Eustis Engineering is headquartered in Metairie, Louisiana, in the heart of Jefferson Parish's East Bank. We also operate branch offices in Baton Rouge and Lafayette, Louisiana; Gulfport, Mississippi; and Houston, Texas. Our offices and staff collaborate seamlessly using Microsoft Teams® and other virtual platforms.

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

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

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

Eustis Engineering has worked on over 850 geotechnical and construction materials testing projects for Jefferson Parish Government entities. We have also worked on over 4,000 projects of all types throughout the east and west banks of Jefferson Parish alone, not considering similar projects in the surrounding parishes. This work history gives our engineering staff unparalleled familiarity with the foundation conditions in the Gulf Coast and the challenges that may arise for projects associated with this contract.

ENGINEERING SERVICES

Eustis Engineering has engineering capabilities to fulfill the requirements of nearly any project, including development of new sites and retrofits of existing sites. As evidenced by the included write-ups in this package, our experience with various building projects on the West Bank of Jefferson Parish are varied and extensive. We have performed services for libraries, school buildings, and warehouses, among other projects. Our experience also includes explorations to facilitate trenching/excavation for utility relocations. We can develop geotechnical recommendations for temporary retaining structures/cofferdams to support these excavations, including sheet pile tips for cantilever and braced walls. We evaluate earth pressures, potential heave and dewatering, and bedding requirements.

We have developed pile capacity and bearing capacity analyses for projects throughout the coastal areas of the United States. Eustis Engineering's evaluation of piles includes estimates of vertical capacity for groups. We also perform lateral analyses of individual piles and pile groups using LPILE® and GROUP® software.

We perform settlement studies including estimates of settlement and time-rate of settlement with and without wick drains to enhance consolidation. These settlement studies include estimates and recommendations for lift construction affecting a gain-in-strength of foundation soils associated with subsoil consolidation. Preload/surcharge operations are also a component of our settlement evaluations.

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

Engineering Staffing

Our engineering staff has 17 master's degrees in Civil Engineering, Engineering, Engineering Management, Geology, and Business Administration. Participation in post Bachelor of Science curricula, as well as continuing education and professional registration that emphasizes engineering management and technical issues, is very important to Eustis Engineering. Our engineers also regularly present at technical conferences. We encourage and fund our staff for these activities and programs.

Employee	Education	Experience	
		Years with Eustis Engineering	Total Years
Professional Engineers (P.E.)			
Benjamin M. Cody	M.S. / Civil Engineering	23	27
Brian A. Deschamp	B.A. / Business Administration	13	13
	M.S. / Civil Engineering – Geotechnical		
P. Tennant Duckworth	M.S. / Civil Engineering	4	4
James J. Hance	M.S. / Civil Engineering	21	25
	M.B.A. / Business Administration		
Chad L. Held	M.S. / Civil Engineering	34	34
Matthew K. Morales	B.S. / Civil Engineering	16	16
Tomas K. Morales	B.S. / Civil Engineering	11	11
Travis R. Richards	M.S. / Engineering	18	25
	M.S. / Engineering Management		
	Coastal Engineering Certificate		
Chad D. Roe	M.S. / Civil Engineering	2	12
Gwendolyn P. Sanders	M.S. / Engineering	32	32
Shaun R. Simon	M.S. / Civil Engineering	24	24
Alice E. Stark	B.S. / Civil and Environmental Engineering	1	9
Patrick A. Thurmond	M.S. Engineering Management	9	9
	M.S. / Civil Engineering		
	Coastal Engineering Certificate		
Sean G. Walsh	M.S. / Civil Engineering	12	17
James M. Williams	M.S. / Civil Engineering	6	6

Engineering Interns (E.I.)			
Adam K. Abdulbagi	B.S. / Civil Engineering	2	2
Alvaro E. Carvajal	B.S. / Civil Engineering	2	2
Joseph P. DiGiovanni	B.S. / Civil Engineering	2	2
Steven B. Tidwell	B.S. / Geological Engineering	1	14
Engineering Graduates			
Alexander Soriano Doninelli	B.S. / Civil Engineering	1	5
Lesley L. Reitmeyer	B.S. / Civil Engineering	16	16
Xia (Bruce) Xialong	PhD / Geotechnical Engineering	1	11
	M.S. / Geotechnical Engineering		
Geologists			
Matthew J. Blasini, G.I.T.	B.S. / Geology	6	7
Nathan A. Quick, P.G.	M.S. / Geology	3	8
Total Years of Experience		260	331

Reviewing our table, the majority of Eustis Engineering's professional engineers have at least 10 years of experience in geotechnical engineering.

Cone Penetration Testing Capabilities

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

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

Dynamic Pile Testing Capabilities

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

We often upgrade our data collectors and operate four Pile Driving Analyzers® (PDAs): one PAX unit and three PDA-8G units. These units can be battery operated and use wireless gauge transmitters to eliminate the need for a main cable to connect directly to the units. We also stock and use underwater gauges to monitor pile driving in marine environments when the pile head descends below the water surface. To support our four PDA units, Eustis Engineering maintains an extensive inventory of calibrated gauges and accessories. To provide quality assurance and rapid responses to issues in the field, all PDAs have wireless communication, enabling our engineers direct oversight of the dynamic pile testing process in real time.

We also use this PDA equipment to maintain the calibrations of our automatic Standard Penetration Test (SPT) hammers on our drill rigs.

Other Non-Destructive Testing Capabilities

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

INSTRUMENTATION

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

Eustis Engineering provides the following instrumentation services:

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

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

DRILLING/FIELD EXPLORATION

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

Field Exploration Personnel

We can provide up to nine drillers and drill rigs capable of obtaining standard 3-in. diameter Shelby tube samples and 5-in. diameter fixed piston samples; sounding CPTs; advancing Geoprobe samplers; and installing geotechnical instrumentation on land, in water, and in marsh environments as indicated in the following table.

Capabilities of Eustis Engineering's Field Exploration Staff	Blair Armant	James Cordes	Tevin Crawford	Rene Davidson	Eric Held	James Lubben	Shane Moser	George Reitmeyer	Lawrence Rome
Hand Auger Borings	X	X	X	X	X	X	X	X	X
General Type (3-in. Diameter Borings)	X	X	X	X	X	X	X		X
General Type (3-in. Diameter Borings) in Hard Access Locations (Marsh, Swamp, Heavily Forested)	X	X	X	X	X	X	X		X
Undisturbed Type (5-in. Diameter Borings)	X	X	X	X	X	X	X		X
Undisturbed Type (5-in. Diameter Borings) in Hard Access Locations (Marsh, Swamp, Heavily Forested)	X	X	X	X	X	X	X		X
Location Information (Latitude, Longitude)	X	X	X	X	X	X	X		X
Set Permanent Benchmarks	X	X	X	X	X	X	X		X
Install Instrumentation	X	X	X	X	X	X	X		X
Cone Penetration Tests					X			X	
Geoprobe Sampling		X			X	X			X

Field Exploration Equipment

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

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

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

Other Specialized Soil Sampling Equipment

In addition to our drill rigs, Eustis Engineering owns and operates an Acker Vane Shear to perform down hole in-situ testing. We also have hand augers to obtain samples at various depths for use in classification and stratification of soil deposits. This equipment can be used in association with handheld piston samplers to obtain small diameter samples. Finally, we operate dynamic cone penetration tests (DCPTs) to assess the in-situ strength of undisturbed soils and compacted materials in accordance with ASTM D6951.

Drone Capabilities

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

LABORATORY SERVICES

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

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

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

Technical testing common to our laboratories includes ASTM; American Concrete Institute (ACI); the State of Louisiana, Department of Transportation and Development (LaDOTD); AASHTO; Federal Aviation Administration (FAA); and the U.S. Army Corps of Engineers (USACE). Our laboratories hold accreditations from AASHTO, the LaDOTD, and the USACE.

Laboratory Staffing

Eustis Engineering currently has qualified technicians to sample construction materials and perform soil mechanics laboratory testing. These technicians are versed in the latest standards from ASTM, LaDOTD, Mississippi Department of Transportation (MDOT), AASHTO, FAA, and the USACE. Many of our technicians have earned certifications with the National Institute for Certification in Engineering Technologies (NICET) in the area of geotechnical engineering technology and in the subfields of construction, exploration, generalist, and laboratory.

Laboratory Quality Control

In our effort to ensure the quality of our laboratory and materials testing, our programs are regularly inspected by outside agencies such as the USACE, the AMRL Group of the American Association of State Highway and Transportation Officials, and the CCRL Group of AASHTO. Eustis Engineering is also accredited by the MDOT.

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

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

To further show quality is paramount to Eustis Engineering, we have two individuals in charge of maintaining quality in our testing. Travis R. Richards, P.E., is the Engineer-In-Charge. Timmy Holleman, dedicated Quality Control Manager, oversees the calibration of our equipment and maintenance of our quality system. The biggest reward of our quality

system is knowing our clients are confident our testing laboratories produce the highest quality results and conform to state and national standards.

CONSTRUCTION MATERIALS TESTING

Eustis Engineering has been involved in construction materials testing (CMT) and inspection on a regular basis since the mid-1980s. Over the past 30+ years, Eustis Engineering has accumulated a wealth of experienced technicians in these areas. Whether 20 feet down in an excavation or 20 stories up in a high rise, our CMT technicians are there providing the inspection services needed on individual projects.

Staffing

Eustis Engineering currently has nearly 30 technicians on staff to provide construction inspection services on a daily basis. These services encompass the areas of soils, piling, asphalt, concrete, steel, and others.

Services

Soils testing in the field is performed by means of density tests, fill placement inspection, and depth checks. These services are performed by technicians who have attended courses by Troxler or Humboldt in the use of nuclear density devices.

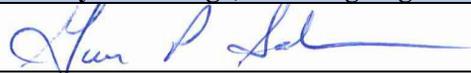
Piling services include the inspection of various types of piles, logging these piles, and performance of pile load tests with calibrated equipment. Load test results are, in turn, interpreted and reported by a registered engineer on our staff.

Our realm of concrete inspection includes the formulation and review of mix designs, quality control at the plant and in the field, materials testing and sampling, precast piling inspection, post tension inspection, floor flatness, and mortar and grout inspection. These services are performed by our ACI and NICET certified technicians.

Steel inspection may include the visual inspection of structural steel at the site or in the shop, steel and pipe coating sampling, post-tension and welder certification witnessing, and the performance of ultrasonic and x-ray testing. These services are performed by members of our staff currently certified with AWS, ASNT, and/or ASME.

Other CMT services provided by Eustis Engineering personnel include fireproofing inspection, vibration and acoustical monitoring, paint inspection, and more.

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

Signature: 
Title: President

Print Name: Gwendolyn P. Sanders, P.E.
Date: 05 May 2025

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

Name:

Eustis Engineering
L.L.C.

Public Address:

Eustis Engineering
L.L.C.

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0003558	Active	09/13/2006	03/31/2027	Mr. Benjamin Mcmillan Cody # PE.0030292 ; Mr. Travis Russell Richards # PE.0030992