



RESPONSE TO



REQUEST FOR QUALIFICATIONS
RFQ 24-036

PROFESSIONAL ARCHITECTURE AND
ENGINEERING SERVICES
ON AN AS-NEEDED BASIS
FOR ARCHITECTURAL TYPE PROJECTS

December 19, 2024

SUBMITTED BY:



2626 Canal Street, Suite 202
New Orleans, LA 70119
(P) 504.218.7103
www.ejesinc.com

PROVIDING SERVICE WITH EXCELLENCE

--- IN ASSOCIATION WITH ---
Mike McSwain Architect, LLC
Eustis Engineering L.L.C.

TEC PROFESSIONAL SERVICES QUESTIONNAIRE



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ NO. 24-036 TO PROVIDE PROFESSIONAL ARCHITECTURAL AND ENGINEERING SERVICES
ON AN AS-NEEDED BASIS

ARCHITECTURAL TYPE PROJECTS

RESOLUTION 145324

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



2626 Canal Street, Suite 202
New Orleans, LA 70119

EF.0002603 (EJES INCORPORATED)

C. Name, title, & 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:

Edwin B. Jones, PE, MBA | Principal-in-Charge | LA #27489
Telephone: 214 343-1210 Email: ejones@ejesinc.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.

Gary Mirak, RA, NCARB, LEED AP | Vice President, Architecture | LA#7646
Telephone: 214.343.1210 | Email: gmirak@ejesinc.com

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

	1	Administrative		Estimators		Specification Writers
	2	Architects (Licensed)		Geologists		Structural Engineers
		Chemical Engineers		Geotechnical Engineers	2	Graduate Engineers
	5	Civil Engineers		Interior Designers	1	Project Managers
	3	Construction Inspectors		Landscape Architects		Clerical
		Ecologists		Land Surveyor		Grant/Funding Specialist
		Electrical Engineers		Mechanical Engineers		Sanitary Engineers
	2	Engineer Intern		Environmental Engineers	2	Architectural Designers
		Professional Land Surveyors			18	TOTAL

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

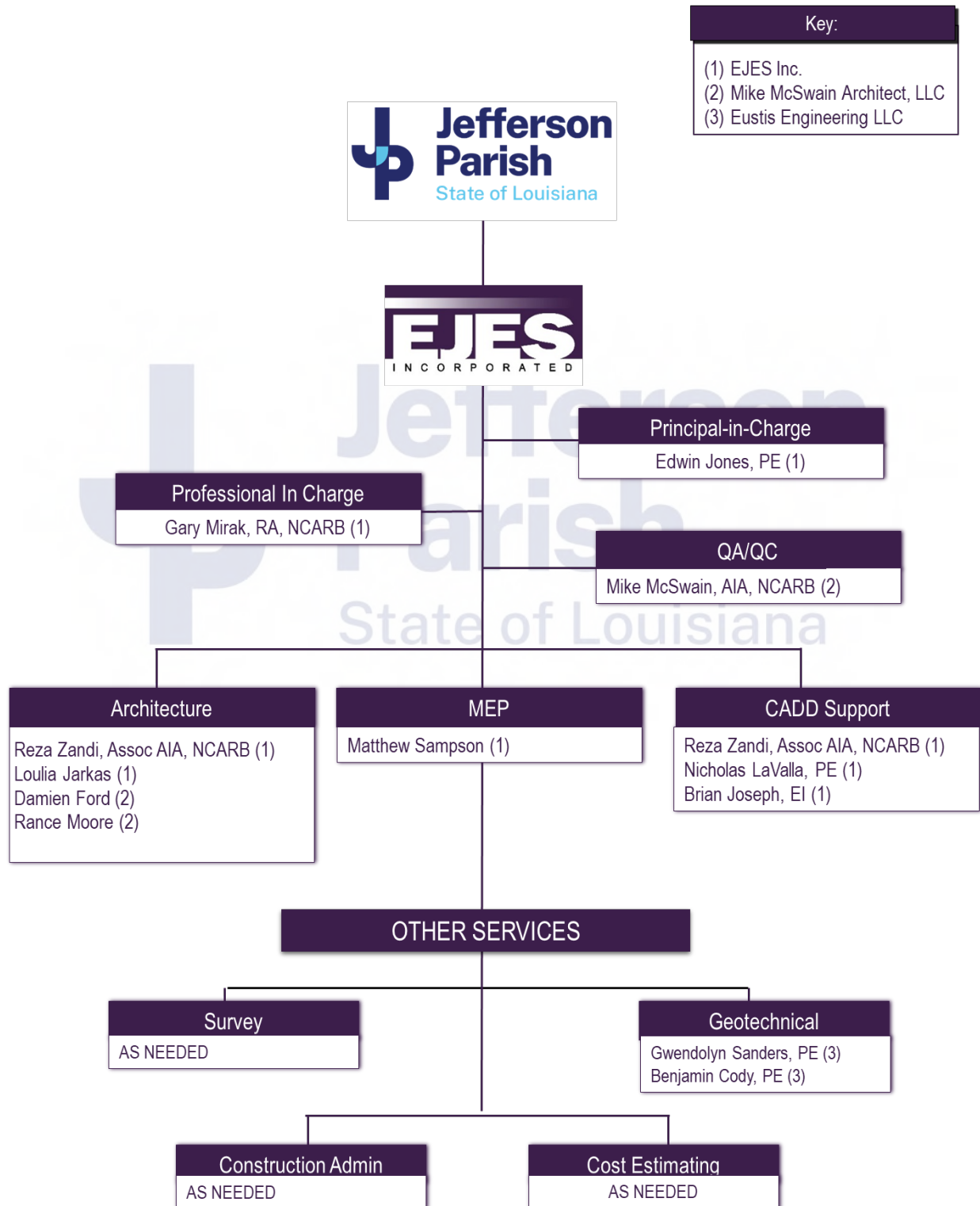
If marked "No" skip to Section I. If marked "yes" complete Sections G-H.

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 <input type="checkbox"/> NO <input type="checkbox"/>		
I. List all subcontractors anticipated for this Project. Please note that <u>all subcontractors must submit a fully completed copy of this questionnaire</u>, 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. Mike McSwain 101 Milam, Suite 101 Shreveport, LA 71101	Architectural Services	Yes
2. Eustis Engineering LLC 3011 28 TH Street Metairie, LA 70002	Geotechnical Services	Yes
3.		
4.		
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 demonstrated 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.



TEC Professional Services Questionnaire

PROFESSIONAL IN CHARGE OF PROJECT	
Name & Title: EDWIN B. JONES, P.E., MBA – PRINCIPAL-IN-CHARGE	
Project Assignment: PRINCIPAL-IN-CHARGE	
Name of Firm with which associated: EJES INCORPORATED	
Years' experience with this Firm: 28	
Education: Degree(s)/Year/Specialization:	
BS/ 1990 / Civil Engineering MBA /2000 / Operations Management	
Active Registration: Year first registered/discipline	
1997/Civil Engineer – LA #27489 1997/Civil Engineer – TX #82682 2006/Civil Engineer MS #15821	
Other experience and qualifications relevant to the proposed Project:	
<p>Mr. Jones has over 30 years of experience in Civil Engineering. His experience includes seven (7) years of engineering experience with the Texas Dept. of Transportation. His experience includes transportation planning, highway design, hydraulics/drainage design, bridge layouts, water/sewer design, site development, and environmental services. Mr. Jones is experienced with engineering analysis and design software including GeoPak, Eagle Point, WINSTORM, THYSIS, HEC RAS, Micro station and AutoCAD.</p> <p>RELEVANT EXPERIENCE</p> <p>SOUTHERN UNIVERSITY OPEN AIR AMPHITHEATER PUBLIC BATON ROUGE, LA Principal-in-Charge for architectural and engineering design services and construction documents and specifications, required to develop the Amphitheatre, based on information provided by the Owner.</p> <p>CADDO-BOSSIER WAREHOUSE CADDO-BOSSIER, LA Principal-in-Charge for the design, construction documents of a one-story 100,000 SF metal building warehouse. The design includes site design for the paving, drainage, and site utilities. The building's design components include a steel structure with steel sheeting and roofing, two bridge cranes, external security lighting, provide gas heating, sprinkler system for warehouse, a drive-through bay, locations for 4 loading docks, utilities (restroom and drinking fountains) for 300 employees, concrete drives and parking.</p> <p>FACILITY CONDITION ASSESSMENT FOR FORT POLK ARMY BASE FORT POLK ARMY BASE, LA Principal-in-Charge for providing technical support as part of assessment team that assess and inventoried the: Foundation, Basement construction, Superstructure, Exterior enclosure, Roofing, Interior construction, Stairs, Interiors finishes, Conveyance, Plumbing, HVAC, Fire protection, Electrical and Equipment for more than 10 Buildings at Fort Polk AFB. All information collected from sites was input into the IPAD software of Builder BRED to be uploaded into central software system.</p> <p>FACILITY ASSESSMENT FOR MAIN BILLIETING BUILDING B5155 BARKSDALE AFB, LA Principal-in-Charge for providing A-E services for existing Billieting building exterior and replacement of the existing windows, and exterior patio doors. Scope of Work included: Performing survey of existing buildings and preparing floor plans; Identifying the severity of deferred maintenance; Calculating budget; Preparing database; Documenting existing building floor plans and elevations; Preparing Addition drawing to the existing buildings.</p> <p>RENOVATION OF SIEGFRIED YOUTH CENTER BUILDING 4996 FORT POLK, LA Principal-in-Charge responsible for developing a Design Build RFP. EJES managed the design staff during the development of proposed floor plans, room layouts and interior elevations. EJES was also responsible for leading the Design Charrette with the client and coordinating with the Cost Estimator.</p> <p>MANHATTAN BLVD SOUTHBOUND RIGHT TURN LANE HARVEY, LA Principal-in-Charge for design and installation of an approximate 500' extension of the right turn lane on southbound Manhattan Blvd. to westbound Lapalco Blvd. The roadway improvements consisted of full depth or 2-in cold milling and overlay of Asphalt Pavement, removing and replacing of curbs & gutters, sidewalks, driveway apron, ADA complaint handicap ramps, edge markings, pedestrian striping, relocation of existing 4-inch gas line as well as new drainage Line and catch basin.</p> <p>AMES BLVD REHABILITATION MARRERO, LA Principal-in-Charge for design services for roadway improvements on Ames Boulevard from Lapalco Boulevard to Happy Street. The improvements included: perform field review to determine pavement condition, research available property plats, easements, record drawings, planning reports, traffic counts, zoning ordinances, and other pertinent information considering the development of the conceptual plans and the final design of the proposed improvements.</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title: GARY MIRAK, RA, NCARB, LEED AP (BD+C)	
Project Assignment: PROFESSIONAL IN CHARGE	
Name of Firm with which associated: EJES INCORPORATED	
Years' experience with this Firm: 13	
Education: Degree(s)/Year/Specialization:	
B.S. /1986/Architecture, National University of Tehran M.S. /1995/ Architecture, McGill University	
Active Registration: Year first registered/discipline	
Registered Architect- LA #7646 Registered Architect- TX #16618 NCARB #72536	
Other experience and qualifications relevant to the proposed Project:	
<p>Gary Mirak, RA, NCARB, LEED AP, currently serves as VP of Architecture for EJES. He has over 31 years of experience in Architecture and Project Management. His areas of expertise and experience also include interior design, construction, and Green building (LEED) projects. He has worked in the US, Canada, Turkey, Saudi Arabia on multi-family, higher education, healthcare, and mixed used development, aviation and institutional projects. Gary worked on many LEED Projects, such as Sabre Project, one of the first LEED Gold certified projects in Texas.</p> <p>RELEVANT EXPERIENCE</p> <p>SOUTHERN UNIVERSITY OPEN AIR AMPHITHEATER PUBLIC BATON ROUGE, LA Senior Project Manager providing architectural and engineering design services and construction documents and specifications, required to develop the Amphitheatre, based on information provided by the Owner. Our task includes initial site visit of the existing conditions and develop as-built drawings. Once the Schematic Design has been approved by the client, EJES will provide (1) one 3D Color Rendering of overall project. A digital copy (PDF) and hard copy (24"X36") will be submitted to the client. Our scope also includes floor plans, schedule, sections, and exterior elevations.</p> <p>CADDO-BOSSIER WAREHOUSE CADDO-BOSSIER, LA Senior Project Manager managed the design, construction documents of a one-story 100,000 SF metal building warehouse. The design includes site design for the paving, drainage, and site utilities. The building's design components include a steel structure with steel sheeting and roofing, two bridge cranes, external security lighting, provide gas heating, sprinkler system for warehouse, a drive-through bay, locations for 4 loading docks, utilities (restroom and drinking fountains) for 300 employees, concrete drives and parking.</p> <p>FACILITY CONDITION ASSESSMENT FOR FORT POLK ARMY BASE FORT POLK ARMY BASE, LA Senior Architect Assessor, providing technical support as part of assessment team that assess and inventoried the: Foundation, Basement construction, Superstructure, Exterior enclosure, Roofing, Interior construction, Stairs, Interiors finishes, Conveyance, Plumbing, HVAC, Fire protection, Electrical and Equipment for more than 10 Buildings at Fort Polk AFB. All information collected from sites was input into the IPAD software of Builder BRED to be uploaded into central software system.</p> <p>FACILITY ASSESSMENT FOR MAIN BILLIETING BUILDING B5155 BARKSDALE AFB, LA Project Architect, for existing Billieting building exterior and replacement of the existing windows, and exterior patio doors. Scope of Work included: Performing survey of existing buildings and preparing floor plans; Identifying the severity of deferred maintenance; Calculating budget; Preparing database; Documenting existing building floor plans and elevations; Preparing Addition drawing to the existing buildings.</p> <p>RENOVATION OF SIEGFRIED YOUTH CENTER BUILDING 4996 FORT POLK, LA Project Architect responsible for leading the team in developing a Design Build RFP. Mr. Mirak led the team during the site investigation. He managed the design staff during the development of proposed floor plans, room layouts and interior elevations. He was responsible for leading the Design Charrette with the client. Mr. Mirak responsibilities included making sure all design met all applicable standards for UFC Codes. He coordinated with the Cost Estimator subcontractor to make sure all cost estimating efforts met MACCES-MII requirements.</p> <p>TEXAS FACILITIES COMMISSION, HHSC OFFICE BUILDING WATER INTRUSION CORRECTIONS AUSTIN, TEXAS Project Architect for plans and specifications for correction of water intrusion areas of HHSC office building. Assessments were made of interior of building and exterior site conditions at leaking areas. New exterior wall closure and correction of drainage at exterior of the existing building were provided. Carpet, ceiling tiles were installed, and wall finishes were redone.</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: MIKE MCSWAIN, AIA, NCARB

Project Assignment: QA/QC | ARCHITECT

Name of Firm with which associated: MIKE MCSWAIN ARCHITECT, LLC

Years' experience with this Firm: 19

Education: Degree(s)/Year/Specialization:

B.S. /1993/ARCHITECTURE - TEXAS TECH UNIVERSITY, 1993

Active Registration: Year first registered/discipline

LICENSED ARCHITECT- LA#5963/ 2003



Other experience and qualifications relevant to the proposed Project:

Mike McSwain, owner and lead architect at Mike McSwain Architect, LLC, manages the creative process from concept to completion. His passion is in the design and construction phases leading to unique creative solution. As principal, Mike oversees overall project management and project delivery. He is an energetic hands-on professional with strong communication skills and a long list of successful projects. With over 29 years of experience in the practice of architecture, Mike has proven ability in delivering high quality, large scale, complex projects in a variety of project types

RELEVANT EXPERIENCE

LOUISIANA TECHNOLOGY RESEARCH CENTER | BOSSIER CITY, LA | LA Tech Mike McSwain serves as overall Project Manager managing client interactions, architectural, engineering, and project specialists' efforts, as well as budget control. With extensive experience with classified work environments, Mike brings talent and expertise for the development of secure work environments for the highest level of classified research.

BOSSIER PARISH COMMUNITY COLLEGE | BOSSIER CITY, LA | BPCC Mike McSwain led the conceptual design, construction documents, technical team management and construction observation. The careful coordination with the build team on constructability, cost control throughout design and detailing led to the successful completion of the project on time and within budget.

SNAIL GAMES CORPORATE HEADQUARTERS | SUZHOU, CHINA | SNAIL GAMES MIKE McSwain led the architectural design services of the Snail Games new Corporate Headquarters project. This complex project required design of over 1.5 million square feet of corporate offices and recreational amenities, underground parking facilities, and sustainable amenities. The project was coordinated with a local architectural firm in Suzhou, China.

GENERAL DYNAMICS INTEGRATED TECHNOLOGY CENTER | HARVEY, LA | Principal-in-Charge Mike McSwain led the architectural design services of the new General Dynamics Integrated Technology Center. This facility was carefully coordinated with the Louisiana Economic Development team, Bossier City, Bossier Parish and General Dynamics to provide for new office spaces as GDIT expands their workforce outside of the Washington DC area and includes a Tier III Data Center with fully redundant power and communications.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: REZA ZANDI, ASSOC AIA, NCARB (AXP)

Project Assignment: ARCHITECTURAL DESIGNER

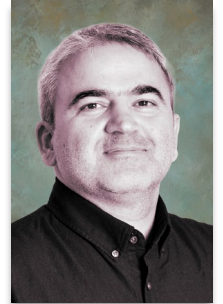
Name of Firm with which associated: EJES INCORPORATED

Years' experience with this Firm: 3

Education: Degree(s)/Year/Specialization:

M.S./ 1999 / Architecture, IKIU Iran

Active Registration: Year first registered/discipline



Other experience and qualifications relevant to the proposed Project:

Reza Zandi, ASSOC AIA, NCARB (AXP) is a hands-on Designer with more than 6 years of experience in the U.S. and 15 years of experience with international contractors outside the United States; In process of obtaining licensure in United States through AIA AXP Architect program; Experienced in all project stages from conceptual design to construction administration; skilled collaborator with clients and consultants; Offering diverse and innovative solutions, on various project types such as Hospitality, Multi-Family, Residential complex, Commercial.

RELEVANT EXPERIENCE

NATCHITOCES CITY POOL | NATCHITOCES, LA | **Architectural Designer**. Joining the design Team from conceptual design and advancing the design options for clients. Collaborating with the Designers and making 3D models by sketch up and advancing the drawings with Auto CAD.

SOUTHERN UNIVERSITY AMPHITHEATER | BATON ROUGE, LA | **Architectural Designer**. Advancing the previous version of Design and Architectural Drawings, Coordinate with Senior Architect, doing some Sun studies for resolving the Orientation and sight glare issue.

SOUTHERN UNIVERSITY LOCKER ROOM AND WEIGHT RM. TRAINING RM. | BATON ROUGE, LA | **Architectural Designer**. The scope of the partial redesign of an existing building, making as-built drawing from the old Blueprints, making some furniture layout floor plan based on new Lockers.

FACILITY CONDITION ASSESSMENT FOR PORT POLK ARMY BASE | FORT POLK ARMY BASE, LA | **Architectural Designer**. Providing technical support and Drawings as part of assessment team that asses and inventoried the Exterior enclosure, Roofing, Interior construction, Stairs, Interior finishes, Conveyance, Fire protection, Drawings for more than 10 Buildings at Fort Polk AFB.

AUSTIN AREA URBAN LEAGUE | AUSTIN, TX | **Architectural Designer**. Developing 2 Concepts for Schematic Design under direction of Senior Architect and advancing the final design with Architectural Drawings in Auto Cad and making Sets for City of Austin applications.

ELEMENT DALLAS DOWNTOWN EAST HOTEL | DALLAS, TX | **Intern Architect/Designer/Site Architect**, providing As-Built drawings, Conceptual Design, Permit Set, Construction Drawings per Prototypes for 150 Room Hotel Renovation project. Also participated in the Construction Administration process.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: LOULIA JARKAS

Project Assignment: ARCHITECTURAL DESIGNER

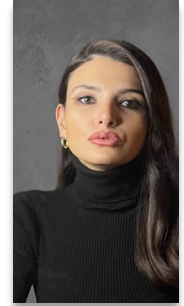
Name of Firm with which associated: EJES INCORPORATED

Years' experience with this Firm: 1

Education: Degree(s)/Year/Specialization:

Bachelor of Architecture/2010 - 2015/ International University for Science and Technology

Active Registration: Year first registered/discipline



Other experience and qualifications relevant to the proposed Project:

Loulia Jarkas is a Passionate Architectural Designer. Highly motivated and creatively driven architect with over 5 years of expertise in residential building design. Proficient in utilizing AutoCAD, Revit, and SketchUp to craft innovative and budget-friendly designs that exceed client expectations. Experienced in overseeing projects from schematic inception to construction completion.

RELEVANT EXPERIENCE

As Architect Designer Loulia has been responsible for designing, drafting, code research and zoning research, planning and administering minor adjustments to complete working drawing sets, contact municipal building departments and government officials for permits, plan, organize and maintain multiple CAD files for the following projects:

WATER ADMINISTRATION BUILDING | LAKE CHARLES, LA | Architectural Designer.

SABINE COMMUNITY CENTER | MANY, LA | Architectural Designer.

CROSS ARCHITECTS | USA | Architectural Designer.

GREENLINE ARCHITECTURE | UAE | Architectural Designer. Interior architectural designs for units and villas and provision of plans, cost analysis and land use study. Working closely with clients to determine objectives and requirements for structures. Prepare scaled drawings with computer software and by hand. Visited worksites to ensure that construction adheres to architectural plans.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: MATHEW SAMPSON

Project Assignment: MECHANICAL DESIGNER

Name of Firm with which associated: EJES INCORPORATED

Years' experience with this Firm: 5

Education: Degree(s)/Year/Specialization:

B.S./2019/Mechanical Engineering/ Prairie View A&M University

Active Registration: Year first registered/discipline



Other experience and qualifications relevant to the proposed Project:

Mathew Sampson has 5 years of experience as a Mechanical Design Engineer. He has experience in commercial and federal projects such as churches, office spaces, military housing, and training facilities. He is responsible for developing and designing the mechanical construction documents which includes HVAC, domestic hot & cold-water system, and sanitary waste system.

RELEVANT EXPERIENCE

FORT SILL B1603 REMODEL BARRACK BUILDING | FORT SILL, OK | **Mechanical Designer** for renovation of existing 115,000 SF barracks. Existing building required all the mechanical equipment, air distribution, pipes, etc. to be removed and upgraded to meet current ASHRAE and UFC standards. Project required new HVAC equipment, air distribution, mechanical piping, and HVAC controls designs along with calculations to support design.

CAMP BULLIS APPLIED INSTRUCTION BUILDING | CAMP BULLIS, TX | **Mechanical Designer**. Provided support to the mechanical and electrical engineering design team with CADD support services. Utilized AutoCAD software to support the design team with electrical details and mechanical details. Performed EasyPower and TRACE 700 calculations for the electrical and mechanical team. He also helped to develop specifications utilizing SpecIntact.

MWD KENNEL BUILDING | FORT SAM HOUSTON, TX | **HVAC/Plumbing Designer** for the design of MWD Kennel. Provided a new HVAC and plumbing system for the office/administration areas and the dog kennel area. Provided drawings, and details to the HVAC systems that served admin and kennel areas. Provided new domestic and underfloor sanitary system drawings and details for each area.

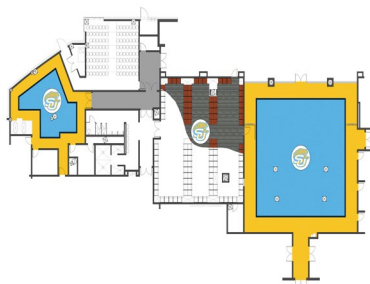
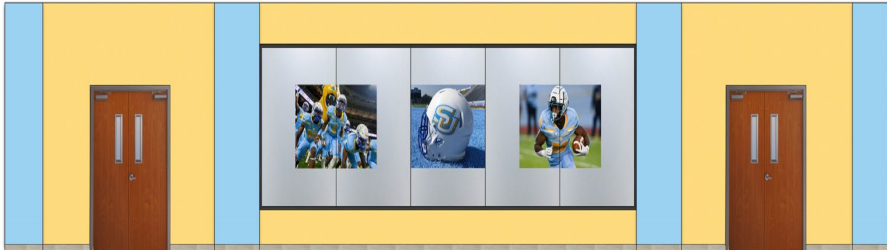
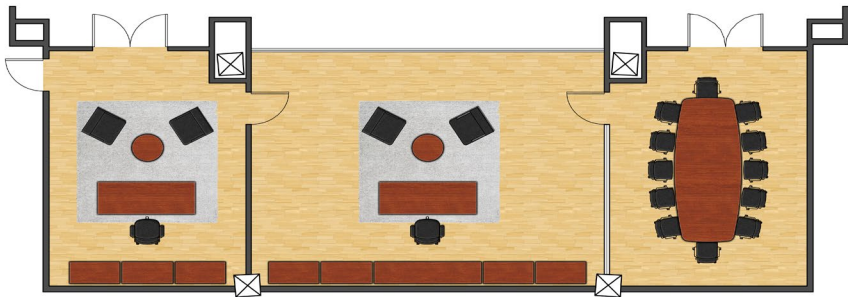
REPLICA POOL RENOVATION | FORT BLISS, TX | **HVAC/Plumbing Designer** for the renovation of existing replica pool to meet applicable ASHRAE and UFC standards. The project included the removal of existing HVAC equipment, ductwork, and associated piping that served the enclosed pool area. The project also included the replacement of the two rooftop units, and the exhaust fans serving the office rooms, shower rooms, restrooms, and storage rooms. The existing building also required renovating the domestic water piping serving fixtures and underfloor sanitary plumbing.

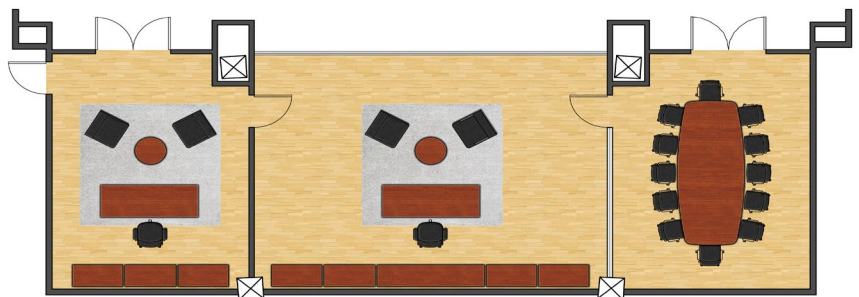
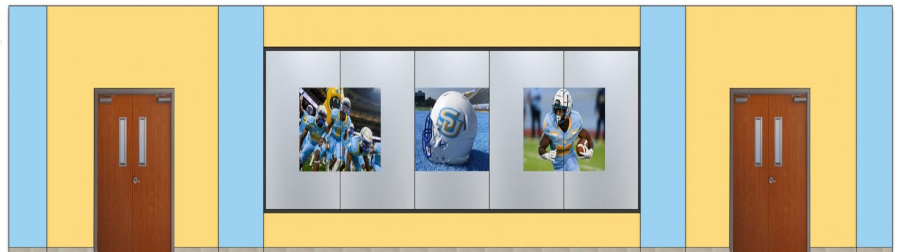
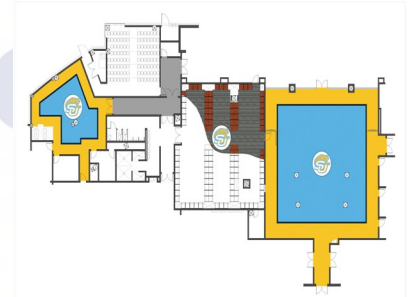
MOTOR POOL VEHICLE & MAINTENANCE SHOP FIRE PROTECTION RENOVATION | FORT BLISS, TX | **HVAC Designer**. Provided new smoke detectors for each of the existing fan-powered systems that supplies over a certain amount of air flow. Additionally provided new site locations for two existing condenser units to accommodate new exterior building renovations.

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	Nature of Firm's Responsibility:		
<div>ARNETT W. "ACE" ATHLETIC FIELDHOUSE FACILITY LOCKER ROOM RENOVATION SOUTHERN UNIVERSITY A&M COLLEGE 801 HARDING BOULEVARD, BATON ROUGE, LA 70807</div> <div>PROJECT OWNER</div> <div>ICT Elite Enterprise LLC</div> <div>4615 Southwest Freeway, STE. 805</div> <div>Houston, TX 77027</div> <div>POINT OF CONTACT NAME</div> <div>Ivan Tompkins, CEO</div> <div>POINT OF CONTACT TELEPHONE NUMBER</div> <div>(832)707-2906</div>	<p>EJES (PRIME) was contracted by Southern University A&M College to provide design services for the renovation of the Arnett W. "Ace" Mumford Football Stadium Fieldhouse athletic areas.</p> <p>EJES provided professional services (design and construction administration) for the design and renovation of Men's and Women's locker rooms, with new lockers, weight room, and training room finishes, and modifications to showers, and restrooms on the ground level of the stadium facility.</p> <p>The project scope also includes the renovation of the coaches' executive offices on the second floor, including a new executive restroom.</p> <p>Technology improvements scope will include digital interactive kiosk displays, mobile interactive white board coaching displays, and large format interior and exterior digital signage displays. The area of the renovations is expected to encompass over 10,000 GSF.</p> <div></div> <div></div> <div></div>		
	Estimated Cost:		
	Completion Date (Actual or estimated)	Entire Project:	Work for which Firm was Responsible
	March 2023 (Est.)	\$1.5 million	\$80,000




TEC Professional Services Questionnaire

PROJECT NO.2		
Project Name, Location and Owner's contact	Nature of Firm's Responsibility:	
<p style="text-align: center;">SABINE COMMUNITY CENTER MANY, LA <small>PROJECT OWNER</small> SHSRP Management Group, Inc. 850 Highland Many, LA 71449 <small>POINT OF CONTACT NAME</small> Sandra Coleman <small>POINT OF CONTACT TELEPHONE NUMBER</small> (434) 470-6305</p>	<p>Sabine High School was designed by the architecture firm of Van OS & Flaxman in 1956. Period photographs show that the gym/auditorium was the first building of the 1956 design to be completed and for a period, stood alongside the wooden Rosenwald school buildings of the 1920s until the rest of the 1956 buildings were completed including the administration and cafeteria building and the elementary, middle school, and high school and library wings.</p> <p>The Rehabilitation of the Sabine Gymnasium and auditorium building is the first step in the total rehabilitation of the Historical Sabine High School campus. It is intended that the campus will function as a multipurpose community center and the gymnasium and auditorium will be a key part of this new use while retaining similar function to that for which it was originally designed.</p> <p>In remodeling the design of the project Knowledge & Experience with State and Federal Requirements was necessary. The project has a limited budget, and the design team designed the project to meet the budget. EJES and Architect team were involved in the competitive bids for Structure testing, asbestos abatements, and helped the client to resolve issues.</p> <p>Mr. Mirak, RA, NCARB, LEED AP (BD+C) was involved in overseeing agreements between clients, architects, contractors, and consultants to ensure that project goals, timelines, and budgets are met. The process required careful documentation, negotiation, and coordination to manage expectations and reduce the risk of disputes throughout the project lifecycle. Key tasks included monitoring compliance with contract terms, managing any changes to the scope, and addressing potential issues promptly.</p>	
<p style="text-align: center;">Completion Date (Actual or estimated)</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
December 2024 (Est for Design)	\$800,000	\$74,892



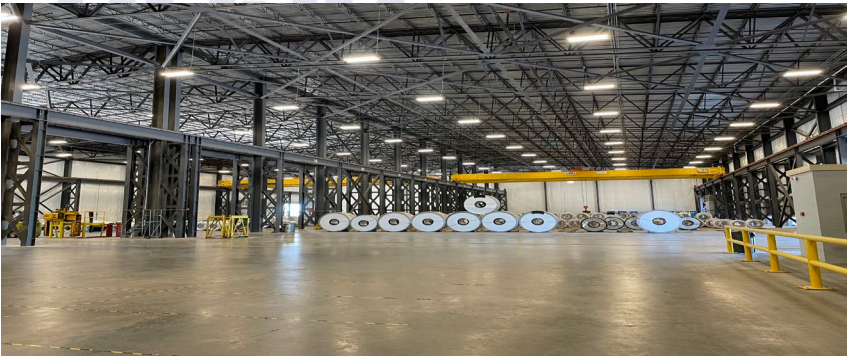

TEC Professional Services Questionnaire

PROJECT NO. 3								
Project Name, Location and Owner's contact	Nature of Firm's Responsibility:							
<p style="margin: 0;">WATER ADMINISTRATION BUILDING LAKE CHARLES, LA <small>PROJECT OWNER</small> City of Lake Charles Department of Public Works Engineering Division 326 Pujo Street 7th Floor Lake Charles, LA 70601 <small>POINT OF CONTACT NAME</small> Mr. Kevin Heise Utilities Manager - Water/Wastewater <small>POINT OF CONTACT TELEPHONE NUMBER</small> (337) 491.1413</p>	<p>The new Water Campus project site (617 East McNees Street, Lake Charles, LA, 70605), will be located on an approximately 4-acre property. Currently, there is an existing water plant on the property. The existing Water Plant will be removed and replaced with new Towers in the same location. There was an existing Admin Building in the Site, and it has been demolished. There are three (3) water Wells at the Site. These water wells will remain, and the design team shall keep a 50 feet setback from the wells.</p> <p>The new Water Administration Building will be a multi-functional building accommodating the needs of the water administration staff while also reflecting the values and objectives of the organization. The building should be designed to facilitate the various administrative tasks associated with managing water resources, including but not limited to offices for staff, meeting rooms, storage spaces, and laboratory facilities for water testing.</p> <p>The EJES Architecture design team gets involved in the code analysis at the early phases of the project. After reviewing applicable building codes and adopted amendments by the City jurisdictions, the team provides an in-depth analysis of the applicable codes.</p> <div style="text-align: center;">  </div>							
<p style="margin: 0; text-align: center;">Completion Date (Actual or estimated)</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d1d1e6;"> <th colspan="2" style="text-align: center; padding: 5px;">Estimated Cost:</th> </tr> <tr style="background-color: #d1d1e6;"> <th style="width: 50%; text-align: center; padding: 5px;">Entire Project:</th> <th style="width: 50%; text-align: center; padding: 5px;">Work for which Firm was Responsible</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">January 2025 (Est)</td> <td style="text-align: center; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> \$2.7M \$199,651 </div> </td> </tr> </tbody> </table>		Estimated Cost:		Entire Project:	Work for which Firm was Responsible	January 2025 (Est)	<div style="display: flex; justify-content: space-between;"> \$2.7M \$199,651 </div>
Estimated Cost:								
Entire Project:	Work for which Firm was Responsible							
January 2025 (Est)	<div style="display: flex; justify-content: space-between;"> \$2.7M \$199,651 </div>							

TEC Professional Services Questionnaire

PROJECT NO. 4						
Project Name, Location and Owner's contact	Nature of Firm's Responsibility:					
<p>BOSSIER PORT 40,000 SF WAREHOUSE THE PORT CADDO-BOSSIER, LA</p> <p style="text-align: center; font-size: small;">PROJECT OWNER The Port Caddo-Bossier POINT OF CONTACT NAME</p> <p style="text-align: center; font-size: small;">Bob Basinger, PE, PLS Principal Forte and Tablada Inc. POINT OF CONTACT TELEPHONE NUMBER (318)798-3344</p>	<p>EJES provided architectural services for the design of a one-story 40,000 SF metal building warehouse. The design includes site design for the paving, drainage, and site utilities. The building's design components include a steel structure with steel sheeting and roofing, two bridge cranes, external security lighting, provide gas heating, sprinkler system for warehouse, a drive-through bay, locations for 4 loading docks, utilities (restroom and drinking fountains) for 120 employees, concrete drives and parking (approx.50 spaces).</p> <p>Scope of EJES work included: Architectural and Interior design, coordination between Architecture, Civil and Structure engineering, Mechanical, Electrical, and Plumbing engineering. The project specification was prepared according in Construction Inspection Institute (CSI) format. As a senior project manager and Architect, Mr. Mirak designed and managed the project's Architecture and interior. He also coordinated and took the Project to all phases of design and Construction, included 35%, 65%, and 90% Design. The Construction phase of the project has not been started.</p> <div style="text-align: center;">  </div>					
<p style="text-align: center;">Completion Date (Actual or estimated)</p> <p style="text-align: center;">December 2022</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #f2f2f2;"> <th style="width: 50%; padding: 5px; text-align: center;">Entire Project:</th> <th style="width: 50%; padding: 5px; text-align: center;">Work for which Firm was Responsible</th> </tr> <tr> <td style="text-align: center; padding: 5px;">\$7 million</td> <td style="text-align: center; padding: 5px;">\$85,000</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible	\$7 million	\$85,000
Entire Project:	Work for which Firm was Responsible					
\$7 million	\$85,000					


TEC Professional Services Questionnaire

PROJECT NO. 5						
Project Name, Location and Owner's contact	Nature of Firm's Responsibility:					
<p style="text-align: center;">BOSSIER PORT 100,000 SF WAREHOUSE THE PORT CADDO-BOSSIER, LA <small>PROJECT OWNER</small> The Port Caddo-Bossier <small>POINT OF CONTACT NAME</small> Bob Basinger, PE, PLS Principal Forte and Tablada Inc. <small>POINT OF CONTACT TELEPHONE NUMBER</small> (318)798-3344</p>	<p style="text-align: center; color: #4a7ebb;">Architectural Design Services</p> <p>EJES provided architectural services for the design of a one-story 100,000 SF metal building warehouse. The design includes site design for the paving, drainage, and site utilities. The building's design components include a steel structure with steel sheeting and roofing, two bridge cranes, external security lighting, provide gas heating, sprinkler system for warehouse, a drive-through bay, locations for 4 loading docks, utilities (restroom and drinking fountains) for 300 employees, concrete drives and parking (approx..100 spaces).</p> <p>Scope of EJES work included: Architectural and Interior design, Coordination between Architecture, Civil and Structure engineering, Mechanical, Electrical, and Plumbing engineering. The project specification was prepared according to Construction Inspection Institute. As a senior project manager and Architect, Mr. Mirak designed and managed the project's Architecture and interior. He also coordinated and took the Project to all phases of design and Construction, included 35%, 65%, and 100% Final Construction Documents. During the Construction Administration Phase, EJES responded to RFIs, and design related questions, review submittal and Shop drawings, Conducted job Site visits, and prepared reports. The project design Phase was delivered on time and on budget.</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>					
<p style="text-align: center;">Completion Date (Actual or estimated)</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #d1d1e6;"> <th style="width: 35%; padding: 5px;">Entire Project:</th> <th style="width: 65%; padding: 5px;">Work for which Firm was Responsible</th> </tr> <tr> <td style="text-align: center; padding: 5px;">\$10 million</td> <td style="text-align: center; padding: 5px;">\$240,000</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible	\$10 million	\$240,000
Entire Project:	Work for which Firm was Responsible					
\$10 million	\$240,000					
2022						

TEC Professional Services Questionnaire

PROJECT NO. 6								
Project Name, Location and Owner's contact	Nature of Firm's Responsibility:							
<p style="text-align: center;">SOUTHERN UNIVERSITY OPEN AIR AMPHITHEATER PUBLIC PROJECT OWNER Southern University A&M College 801 Harding Boulevard Baton Ridge, LA 70807 POINT OF CONTACT NAME Maurice Pitts POINT OF CONTACT TELEPHONE NUMBER 225.445.2458</p>	<p>EJES, as prime consultant, provided professional architectural and engineering design services and construction documents for the open-air Amphitheater at Southern University in Baton Rouge, Louisiana. The architectural scope by EJES included drafting architectural construction documents and specifications, required to develop the amphitheater, based on information provided by Southern University A&M College. The scope of civil engineering design included drawings of a new entrance from parking lot.</p> <p>EJES performed the initial site visit of the existing conditions and developed as-built drawings. EJES will provide floor plans, schedules, sections, and exterior elevations. Once Schematic Design has been approved by the client, EJES will provide (1) one 3D Color Rendering of overall project. A digital copy (PDF) and hard copy (24"x36") will be submitted to the client.</p> <p>Plans following scope:</p> <ul style="list-style-type: none"> Layout and Dimension Control Plan: The plan will provide information to perform construction layout of the following: New Building Entrance. Grading Plan: The plan will provide information to perform grading, including the following: existing contours; proposed contours; finish floor elevations; and spot elevations for proposed parking lots and drives. Storm Drain Plan: A Storm Drain Plan will be prepared for the public and private system. Paving Plan: A paving plan will be prepared to show areas of proposed pavement including the following: parking lots; drives; fire lanes; driveway approaches, and sidewalks. Paving sections will be based on recommendations provided by the geotechnical engineer and/or City specifications. 							
<p>Completion Date (Actual or estimated)</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d1d1e6;"> <th style="width: 35%; padding: 5px;">Entire Project:</th> <th style="width: 65%; padding: 5px;">Work for which Firm was Responsible</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">July 2022</td> <td style="text-align: center; padding: 5px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%; text-align: center; padding: 5px;">\$1.5 million</td> <td style="width: 65%; text-align: center; padding: 5px;">\$75,000</td> </tr> </table> </td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible	July 2022	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%; text-align: center; padding: 5px;">\$1.5 million</td> <td style="width: 65%; text-align: center; padding: 5px;">\$75,000</td> </tr> </table>	\$1.5 million	\$75,000
Entire Project:	Work for which Firm was Responsible							
July 2022	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%; text-align: center; padding: 5px;">\$1.5 million</td> <td style="width: 65%; text-align: center; padding: 5px;">\$75,000</td> </tr> </table>	\$1.5 million	\$75,000					
\$1.5 million	\$75,000							

TEC Professional Services Questionnaire

PROJECT NO. 7											
Project Name, Location and Owner's contact	Description of Services Provided:										
<p>FACILITY CONDITION ASSESSMENT FOR FORT POLK ARMY BASE, LOUISIANA</p> <p>PROJECT OWNER Cardno 4600 Touchton Road East Bldg 100, Suite 120 Jacksonville, FL 32246</p> <p>POINT OF CONTACT NAME Darrell Setser, PE</p> <p>POINT OF CONTACT TELEPHONE NUMBER (904)363-3727; (904)303-6416</p>	<p>EJES and Cardno Inc. conducted building assessment on several buildings in Fort Polk, Louisiana. Assessed and inventoried were the: foundations, basement construction, superstructure, exterior enclosure, roofing, interior construction, stairs, interior finishes, conveyance, plumbing, HVAC, fire protection, electrical, and equipment.</p> <p>EJES Condition Assessment team included three architects, one electrical engineer, one mechanical engineer, and a senior project manager. All information collected from site was input into the IPAD software of Builder BRED. The data was directly uploaded into the Cardno Inc. central software system. There were more than ten buildings during the project duration.</p> <p>The condition of each HVAC and electrical equipment were rated with a rating system with "Green" being fully operational, "Amber" being reduced operation and "Red" being loss of operation. Photos and data collected in the field were then input to Builder BRED.</p> <div style="text-align: center;">  </div>										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d1dbe4;"> <th style="width: 30%; padding: 5px;">Completion Date (Actual or estimated)</th> <th colspan="2" style="padding: 5px;">Estimated Cost:</th> </tr> <tr style="background-color: #d1dbe4;"> <th></th> <th style="padding: 5px;">Entire Project:</th> <th style="padding: 5px;">Work for which Firm was Responsible</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">2020 (Est.)</td> <td style="text-align: center; padding: 5px;">\$403,000</td> <td style="text-align: center; padding: 5px;">\$400,000</td> </tr> </tbody> </table>	Completion Date (Actual or estimated)	Estimated Cost:			Entire Project:	Work for which Firm was Responsible	2020 (Est.)	\$403,000	\$400,000		
Completion Date (Actual or estimated)	Estimated Cost:										
	Entire Project:	Work for which Firm was Responsible									
2020 (Est.)	\$403,000	\$400,000									



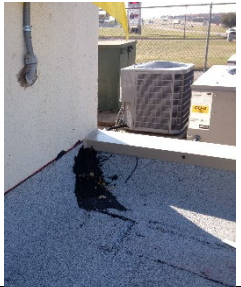
TEC Professional Services Questionnaire

PROJECT NO. 8

Project Name, Location and Owner's contact	Description of Services Provided:	
<p style="text-align: center;"> RENOVATION OF SIEGFRIED YOUTH CENTER BUILDING 4996 FORT POLK, LA <small>PROJECT OWNER</small> USACE Fort Worth District <small>POINT OF CONTACT NAME</small> Richard Jones, AIA, Architect <small>POINT OF CONTACT TELEPHONE NUMBER</small> (817)229-3951 </p>	<p>As Prime Consultant to the USACE, EJES provided Statement of Work Design-Build RFP Renovation services to this large/ complex multi-discipline service for modifications to the existing facility located on the Fort Polk Army Base. The building designated as Building 4996, is an existing Youth Center/ Gymnasium and built in the 1970's. This single-story building's Gross Floor Area 32,266 sf. The estimated project construction cost is \$9.1 million.</p> <p style="text-align: center; color: #0056b3;">Description of Design Features</p> <p>EJES reviewed existing As-Built documents pertaining to the site and building, provided proposed floor plans, room layouts, and interior elevations. EJES conducted a DESIGN CHARRETTE with the Client and the USACE. Drawings were updated per current applicable Uniform Facility Codes (UFC), International Building Codes (IBC), and National Fire Protection Association (NFPA). Architectural drawings included enlarged restroom plans, Gymnasium proposed renovation floor plans, elevations, and details.</p> <ul style="list-style-type: none"> Criteria and Codes: For the renovation of Youth Center/ Gymnasium project EJES used all applicable standards such as UFCs, UFGS 25-05-11, Engineering Regulation (ER) 1110-345-723, and ECB. The UFC code included: UFC 1-200-01, UFC 3-520-01, DoD Building Code, UFC 1-200-02, High Performance Sustainable Buildings, UFC 4-010-01: DOD Minimum Antiterrorism Standards for Buildings. Environmental: EJES reviewed Hazmat Surveys of Lead Paint, Asbestos report, and Hazmat remediation Plan provided by the Government. EJES provided specifications for the use of recovered materials to reduce waste. Cost Estimating: EJES provided cost estimating using UFC 3-701-01 and MCACES-MII Project Estimating program. Cost Estimate was provided at each submittal and the Final submittal. Value Engineering: EJES conducted a one-week Value Engineering workshop to validate the project cost. The initial project construction cost estimate was \$9.1M., and after the Value engineering workshop, the cost was reduced to \$7.2M. Fire Protection and Life Safety: EJES determined installation specific Fire Alarm Control Panel and Know Box requirements. 	
<p style="text-align: center;">Completion Date (Actual or estimated)</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2020	\$9.1 million	\$403,118.95



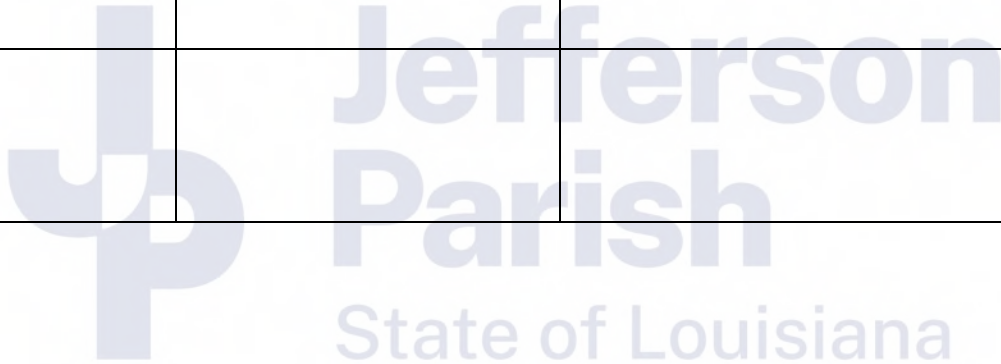
TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact	Description of Services Provided:	
<p>TEXAS DEPARTMENT OF PUBLIC SAFETY ROOF REPLACEMENT WICHITA FALLS, TX <small>PROJECT OWNER</small> Texas Facilities Commission <small>POINT OF CONTACT NAME</small> Kevin Sandberg (TFC) <small>POINT OF CONTACT PHONE NUMBER</small> (512)463-8198</p>	<p style="text-align: center; color: #4169e1;">Project Description</p> <p>The existing building is a 40-year-old building and roof and exterior wall of that was leaking. The roof is a flat, ballasted EPDM roof, approximately 15 years old. There are roofing leaks in two main locations: (1) above a mechanical room and (2) around canopy roof drains.</p> <p>As prime, EJES provided professional architectural and engineering services to design a new roof R- value to meet current Wichita Falls building code.</p> <p>The scope of work was to remove entire existed ballasted EPDM roof down to concrete structure. Parapet-wall base and cap flashings were removed, too. All existing roof drains were removed and replaced with new ones per Building Code and roof slope standards. Roof slope to be 1/4" per foot minimum. DPS preferred new roof: 2-Ply Modified Bitumen on tapered insulation by Firestone or approved equal. New roof shall have a 20-year warranty, minimum. The new roof was installed over existing concrete roof deck.</p> <p>New full-width prefinished metal cap flashing was installed on all parapet walls. EJES to provide a roof replacement cost estimate for use by the DPS in developing their budget. Project Construction ended in 2016.</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;">    </div>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2016	\$215,000	\$35,000

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. NONE		
2.		
3.		
4.		



TEC Professional Services Questionnaire

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

SPECIALIZED EXPERIENCE AND TECHNICAL COMPETENCE



EJES INCORPORATED (Founded in 1997) is a professional **ARCHITECT & CIVIL ENGINEERING DESIGN AND CONSULTING** firm that provides architect and engineering expertise and experience to both public and private sector clients in the states of Louisiana, Texas, Mississippi, Oklahoma, and Arkansas. EJES is a small minority-owned firm certified by the Small Business Administration (SBA), Louisiana Department of Transportation and Development (LaDOTD) and New Orleans International Airport.

Principal and CEO, Edwin Jones, PE is a Southern University-Baton Rouge Graduate from the College of Engineering in 1990.

With a **“Committed to Providing Service with Excellence”** philosophy, EJES has built an unparalleled reputation for delivering superior architectural and engineering services and is referred to as one of the most respected design firms in Louisiana, Texas and Mississippi.

EJES has a diverse portfolio, in-house multi-discipline professionals, and an integrated project delivery process that ensures that each project can be efficiently bid and constructed. With a “total quality control system”. EJES’ in-house services allow the firm to manage each project from *the early planning stages to completion*, and in accordance with the customer’s requirements. The firm employs staff with experience and expertise that is highly diverse and covers a broad spectrum of architecture and engineering design disciplines to enhance customer service and address the specialized needs of each client.

Our Corporate Office is in Dallas, Texas and **we have two Louisiana offices located in New Orleans and Shreveport**. Combined we currently staff more than 60 professionals, providing architecture and civil engineering and construction management services in various states.

EJES provides architecture and engineering design services tailored to meet the specific requirements of each individual project. Our staff experience is highly diverse, covering a broad spectrum of architecture and engineering design disciplines. Years of field experience of EJES’ design are incorporated into every design, resulting in projects which can be efficiently bid and constructed.

EJES has proven experience performing the required services for various municipalities. **EJES has maintained offices in Louisiana since 1997**. We offer Jefferson Parish a group of professionals that will deliver a successful, cost-efficient project that will meet budget and schedule requirements set forth by our clients.

Knowing how to create and sustain project momentum by working effectively as an extension of the client is a unique value that EJES will contribute to the management of the project. We know that on-time delivery of a quality product will be a vital element in satisfying expectations of the Clients and all interested parties.

Clearly, the first step in meeting schedule deadlines is the firm’s ability to develop, implement and utilize effective schedules. EJES project management and support team pay attention to this by applying its experience to the detailed steps outlined in the scheduling and the resultant impact on task execution. This experience is particularly useful in managing multiple activities involving different parties such as the Clients, local utility owners, state and federal agencies. EJES uses Microsoft Project software to assist with schedule maintenance and budget monitoring.

EJES project schedules include consideration of processing activities such as:

- Document development, review, editing and printing with input from multiple team members
- Allocation of internal team QA/QC review time prior to Client submittal due date
- Allocation of sufficient time for Client to review submittals and project related information
- Allocation of sufficient time for outside sources to review project related material
- Periods for reviewing, discussing and addressing comments/concerns regarding intricate issues
- Periods for coordinating, researching and interacting with other authorities with interests in the project

TEC Professional Services Questionnaire

1) PROFESSIONAL TRAINING AND EXPERIENCE IN RELATION TO THE TYPE OF WORK REQUIRED FOR THE ARCHITECTURAL OR ENGINEERING SERVICES

Professional Qualifications for EJES INCORPORATED				
Role	Name	Education	Registration	Total Yrs
Principal-in-Charge	Edwin B. Jones	BS/Civil Engineering MBA/Operations Management	PE	29
Project Principal/ Project Manager	Gary Mirak	BS/Architecture MS/Architecture	RA, NCARB, LEED	30
Public Involvement	Reginald Crear	BS/Marketing		14
QA/QC Manager	Mike McSwain <i>Subconsultant</i>	BS/Architecture	RA	18
Architects	Reza Zandi	MS/Architecture	AIA	20
	Loulia Jarkas	BS/Architecture		5
	Damien Ford <i>Subconsultant</i>	MArch/Architecture		12
	Rance Moore <i>Subconsultant</i>	MArch/Architecture		9
MEP Designer	Mathew Sampson	BS/Mechanical Engineering		6
CADD Support	Brian Joseph	BS/Mechanical Engineering		20
	Nicholas LaValla	BS/Civil Engineering	PE	5
Administrative	Kinni Farve	BS, Marketing		4

2) SIZE OF FIRM: CONSIDERING NUMBER OF PROFESSIONAL AND SUPPORT PERSONNEL REQUIRED TO PERFORM THE TYPE OF ARCHITECTURAL OR ENGINEERING TASK


The EJES Team has the resources available, including multiple capable Project Managers and more than enough professional staff members with the ability to handle a variety of task orders simultaneously without any reduction in quality. All of our Project Managers have demonstrated the ability to manage and simultaneously complete multiple delivery orders at the same time. As a consultant the same resources are required to provide professional services to multiple clients on overlapping schedules. Resources from various firm offices that are available for assignment to project include:

STAFF COMPOSITION TABLE	
QUALIFICATIONS	Total
Licensed Professional Engineers	12
Non-Registered Engineers	7
Draftspersons, Inspectors, Technicians	5
Licensed Architects	2
Non-Registered Architects	4
Non-Technical Personnel	12
Environmental Professionals	1
Other	15
TOTAL PERSONNEL	58

TEC Professional Services Questionnaire

STAFFING MATRIX

The matrix below illustrates the staffing that EJES INC has available for this project. **We are prepared to commit the required resources to the project immediately and assure their continuing availability.**

		Project Manager	Quality Control/	Project Evaluation	Architecture Design	Drafting of Technical Plans	Technical Specifications	Construction Administration	Public Involvement	Cost Estimating
EJES INCORPORATED										
	Edwin B. Jones, PE, MBA Principal-in-Charge	◆	◆	◆	◆		◆		◆	◆
	Gary Mirak, RA, NCARB, LEED AP Project Professional/Project Manager	◆	◆	◆	◆		◆		◆	◆
	Mike McSwain, RA QA/QC Manager	◆	◆	◆	◆		◆			
	Reza Zandi	◆			◆		◆			
	Loulia Jarkas				◆			◆		
	Damien Ford				◆	◆				
	Rance Moore					◆				
	Brian Joseph, EI					◆		◆		
	Nicholas LaValla, PE							◆		
	Matthew Sampson					◆				
	Reginald Crear								◆	

3) CAPACITY FOR TIMELY COMPLETION OF NEWLY ASSIGNED WORK; CONSIDERING THE FACTORS OF TYPE OF ARCHITECTURAL OR ENGINEERING TASK, UNFINISHED WORKLOAD, AND PERSON OR FIRM'S AVAILABLE PROFESSIONAL AND SUPPORT PERSONNEL

The **EJES** will commit the resources necessary for design of any segment of work assigned to for Jefferson Parish Architectural Projects. Our current workload will allow us to accommodate any project assigned. All staff members proposed for the project are available to begin work immediately upon award of project and notice to proceed.

Name	Duties/Responsibilities	Current /Unfinished Workload	Availability
Edwin B. Jones, PE, MBA	Principal-in-Charge	60%	40%
Gary Mirak, RA, NCARB, LEED AP	Project Professional/Project Manager	60%	40%
Mike McSwain, RA	QA/QC - Senior Civil Engineer	60%	40%
Reza Zandi	Architectural Designer	40%	60%
Loulia Jarkas	Architectural Designer	40%	60%
Damien Ford	Architectural Designer	40%	60%
Rance Moore	Architectural Designer	40%	60%
Brian Joseph, EI	CADD	30%	70%
Nicholas LaValla, PE	CADD	30%	70%
Matthew Sampson	Mechanical Designer	30%	70%
Reginald Crear	Public Involvement	40%	60%

CAPACITY TO PERFORM THE WORK WITHIN TIME LIMITATIONS AND WITHIN BUDGET

EJES has a hard-earned reputation within the State of Louisiana and with other clients for effective production of objective, high-quality projects and capability to adhere to strict project schedules. In most cases, the Project Team will be able to initiate work on the same day that verbal notification to proceed is received. Our team's demonstrated flexibility and responsiveness has led to repeat business on numerous occasions,

TEC Professional Services Questionnaire

The Project Team can conduct several projects with accelerated schedules simultaneously, indicating our ability to respond to short time frames and quick turn-around project needs. Each task order review and final submittal will be within the schedules established by Jefferson Parish. Repeat business by key team members demonstrates our team commitment and capability to meet schedules and deadlines established by our Louisiana Clients.

EJES acknowledges that routine engineering services are for contracts where the total engineering fee, exclusive of resident inspection services, will not exceed \$500,000.00 per assignment.

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

EJES has performed work for entities that include the City of Baton Rouge, City of Shreveport, City of Lake Charles, City of Many, City of Dallas, USACE and others. EJES has provided architectural design and construction administration for Caddo Parish School Board, Dallas County Community College, and Southern University-Baton Rouge. We have also completed space planning project for Department of Homeland Security for the World Trade Centre in New York.

Our expertise includes, but not limited to, renovation, addition, ADA Improvement, door and storefront replacement, preparation of As-Built drawings, and construction administration.

Project	Services Provided	Client	Role
Sabine Community Center	Architectural Design for Historical Building	Sabine High School Restoration	Prime
Water Administration Building	Architectural and Interior design for New Administration Building	City of Lake Charles	Prime
40,000 & 100,00 SF Warehouse	Architectural and Interior design, coordination between other disciplines	Caddo-Bossier Port	Sub
Southern University -Baton Rouge Amphitheater	Design drawings and construction document for Amphitheater	Southern University-Baton Rouge	Prime
DFW Airport Terminal Renovation	Design, Project/Program Management	DFW International Airport	Prime
DFW Fire Station #6	Design for LEED Silver Project		
World Trade Center	Space Planning	Department of Homeland Security	Prime
Facility Assessment for Main Billeting Building B5155	Survey existing building, preparation of floor plans, cost estimating	Barksdale AFB	Prime
Dallas County Mesquite Government Center	Construction Administration and Cost Estimating for 44,000 SF Government Center	Dallas County	Prime
Cedar Valley College Gymnasium Renovation	As-Built Drawings, ADA Review	Dallas County Community College District	Prime
City of Dallas Police Helicopter Hangar and Administrative Offices	Preparation of design documents and construction drawings for 16,700 SF Facility	City of Dallas	Sub
Camp Bullis Applied Instruction School Building	Design Charrettes, Value Engineering	US Army Corp of Engineers	Prime
Vehicle Maintenance Facility Building	Preparation of design documents and construction drawings for 5,000 SF building		Prime
Training Flight Simulator	Design and construction documents of a 9,000 square foot addition to an existing Flight Simulator		Prime
Fort Sill B1603 Remodel Barrack Building	Complete design package for renovation of 115,000 SF Barracks		Prime
Crew Room Facilities	Design services of prefabricated buildings for 13 DART Stations	Dallas Area Rapid Transit (DART)	Prime
Roof Replacement	Field Verification, Assessment, Design, Construction Documents	Texas Facilities Commission	Prime

TEC Professional Services Questionnaire

5) LOCATION OF PRINCIPAL OFFICE

EJES has a local presence at 2626 Canal Street, New Orleans, LA 70119.

6) ADVERSARIAL LEGAL PROCEEDINGS BETWEEN THE PARISH AND THE FIRM PERFORMING PROFESSIONAL SERVICES

EJES has no adversarial between the Parish. We are not aware of any conflict of interest or litigations between the Parish and our Firm.

7) PRIOR SUCCESSFUL COMPLETION OF PROJECTS OF TYPE AND NATURE OF ARCHITECTURAL OR ENGINEERING SERVICES, AS DEFINED, FOR WHICH FIRM HAS PROVIDED VERIFIABLE REFERENCES

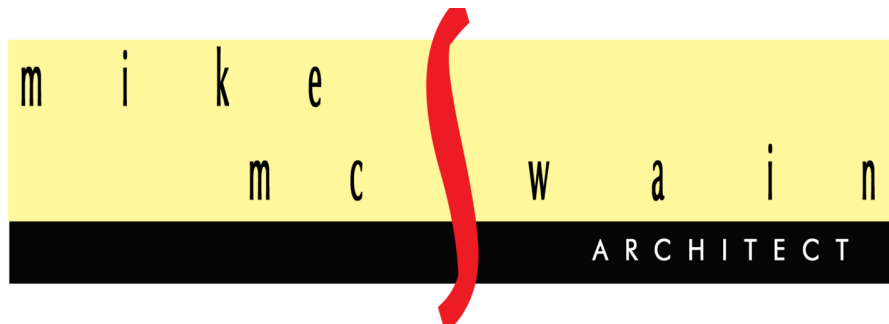
EJES has a proven track record as prime and sub-consultant with the State of Louisiana for successfully designing projects of this nature. As a prime consultant, EJES has good track record of working on various projects in State of Louisiana. Our design practice will follow Jefferson Parish design criteria and standards. EJES design team has experience working with various State of Louisiana authorities having jurisdictions such as city, fire department, planning and zoning, highway department, ADA and Handicap Accessibility review process, and other Governmental agencies. EJES will work with local consultants who have expertise on the specialty disciplines. Inter-disciplinary coordination between disciplines and sub-consultants such as mechanical, electrical, plumbing, geotechnical, environmental is especially important and shall start early during the design phase. EJES management team will work with key issues including but not limited to project schedules, project cost and budget and value engineering, user program and requirements, and post construction and facility maintenance.

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

Signature: Edwin B. Jones SR Print Name: Edwin B. Jones, Sr., PE, MBA

Title: Chief Executive Officer Date: December 18, 2024

TEC PROFESSIONAL SERVICES QUESTIONNAIRE



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ NO. 24-036 TO PROVIDE PROFESSIONAL ARCHITECTURAL AND ENGINEERING SERVICES
ON AN AS-NEEDED BASIS

ARCHITECTURAL TYPE PROJECTS

RESOLUTION 145324

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

Mike McSwain Architect, LLC
101 Milam Street – Suite 101
Shreveport, LA 71101

C. Name, title, & 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:

Mike McSwain – Owner / Architect
Licensed Architect – LA 5963

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.

Mike McSwain – Owner / Architect
Licensed Architect – LA 5963

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

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

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

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. <div style="height: 40px; border: 1px solid black; background-color: #f0f0f0;"></div>		
2. <div style="height: 40px; border: 1px solid black; background-color: #f0f0f0;"></div>		
H. Has this JOINT-VENTURE previously worked together? Please check: YES <input type="checkbox"/> NO <input type="checkbox"/>		
I. List all subcontractors anticipated for this Project. Please note that <u>all subcontractors must submit a fully completed copy of this questionnaire</u>, 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. <div style="height: 60px; border: 1px solid black; background-color: #f0f0f0;"></div>	<div style="height: 60px; border: 1px solid black; background-color: #f0f0f0;"></div>	<div style="height: 60px; border: 1px solid black; background-color: #f0f0f0;"></div>
2. <div style="height: 60px; border: 1px solid black; background-color: #f0f0f0;"></div>	<div style="height: 60px; border: 1px solid black; background-color: #f0f0f0;"></div>	<div style="height: 60px; border: 1px solid black; background-color: #f0f0f0;"></div>
3. <div style="height: 60px; border: 1px solid black; background-color: #f0f0f0;"></div>	<div style="height: 60px; border: 1px solid black; background-color: #f0f0f0;"></div>	<div style="height: 60px; border: 1px solid black; background-color: #f0f0f0;"></div>
4. <div style="height: 60px; border: 1px solid black; background-color: #f0f0f0;"></div>	<div style="height: 60px; border: 1px solid black; background-color: #f0f0f0;"></div>	<div style="height: 60px; border: 1px solid black; background-color: #f0f0f0;"></div>
J. Please specify the total number of support personnel that may assist in the completion of this Project:		
<div style="border: 1px solid black; height: 30px; background-color: #f0f0f0;"></div>		

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 demonstrated 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.



ABOUT MIKE MCSWAIN ARCHITECT

Mike McSwain Architect is a full service design and architectural firm that is well known for the creative work of its founder, Mike McSwain. The firm was founded by McSwain in 2005 after serving many years as the director of design, as well as partner, at a well known architectural firm in Shreveport where he contributed his talents on such high visibility projects as: the Shreveport Airport, Sci-Port Discovery Center, Shreveport Convention Center. And, the team at Mike McSwain Architect has experienced a continuation of creative, landmark projects including: Cyber Innovation Center in Bossier City, CSRA Integrated Technology Center, Snail Games Corporate Headquarters in Suzhou, China, Louisiana Technology Research Institute, Margaritaville Hotel, Intermodal Transit Station, East Bank District, Robinson Film Center, Pediatric Dental Partners in Bossier City, as well as a myriad of residential and commercial projects in the United States and Internationally.

The continued growth and success of the firm are due to a combination of exceptional artistic talent combined with the business savvy and tools needed to take a project from vision to completion. The work of the team is punctuated with interesting, fascinating, and brilliant designs; creating spaces that all ages can respond to and enjoy. “When contemplating the design for a structure, I enjoy emphasizing the ‘fun’ in functional”, says McSwain. “My foundation involves sound principles; however, my inspiration is the freedom to incorporate whimsical twists into the design. Once complete, the finished product is the reward for this process. The finished product is the client’s “story” and extension of their brand.”

Architectural services rendered by Mike McSwain Architect include considerable client interaction in order to tailor the projects to the needs of the users. “Every project is unique,” McSwain says. “Our philosophy is to listen carefully to the challenges of the project and then get creative so that we bring even more to the project than is expected. We stay involved from the very beginning to the very end and beyond, and we like to push the envelope. In this manner we produce an end product that is beyond the client’s expectations.”

TEC Professional Services Questionnaire

PROFESSIONAL IN CHARGE OF PROJECT

Name & Title: Mike McSwain, AIA, NCARB

Project Assignment Architect

Name of Firm with which associated: Mike McSwain Architect, LLC

Years' experience with this Firm: 18

Education: Degree(s)/Year/Specialization: Bachelor of Architecture – Texas Tech University 1993

Active Registration: Year first registered/discipline 2003

Other experience and qualifications relevant to the proposed Project:

Mike McSwain, owner and lead architect at Mike McSwain Architect, LLC, manages the creative process from concept to completion. His passion is in the design and construction phases leading to unique creative solutions. As principal, Mike oversees overall project management and project delivery. He is an energetic hands-on professional with strong communication skills and a long list of successful projects. With over 29 years of experience in the practice of architecture, Mike has proven ability in delivering high quality, large scale, complex projects in a variety of project types.

RELEVANT PROJECT EXPERIENCE

Louisiana Technology Research Center | Bossier City, LA | LA Tech

Mike McSwain serves as overall Project Manager managing client interactions, architectural, engineering, and project specialists efforts, as well as budget control. With extensive experience with classified work environments, Mike brings talent and expertise for the development of secure work environments for the highest level of classified research.

Bossier Parish Community College | Bossier City, LA | BPCC

Mike McSwain led the conceptual design, construction documents, technical team management and construction observation. The careful coordination with the build team on constructability, cost control throughout design and detailing led to the successful completion of the project on time and within budget.

Snail Games Corporate Headquarters | Suzhou, China | Snail Games

Mike McSwain led the architectural design services of the Snail Games new Corporate Headquarters project. This complex project required design of over 1.5 million square feet of corporate offices and recreational amenities, underground parking facilities, and sustainable amenities. The project was coordinated with a local architectural firm in Suzhou, China.

General Dynamics Integrated Technology Center

Mike McSwain led the architectural design services of the new General Dynamics Integrated Technology Center. This facility was carefully coordinated with the Louisiana Economic Development team, Bossier City, Bossier Parish and General Dynamics to provide for new office spaces as GDIT expands their workforce outside of the Washington DC area and includes a Tier III Data Center with fully redundant power and communications.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: Damien Ford – Designer/Project Manager

Project Assignment Architectural Technician / Planner / Designer

Name of Firm with which associated: Mike McSwain Architect, LLC

Years' experience with this Firm: 12

Education: Degree(s)/Year/Specialization: Master of Architecture 2011 – Louisiana Tech University

Active Registration: Year first registered/discipline NA

Other experience and qualifications relevant to the proposed Project:

Damien's experience with a variety of municipal and governmental projects involving implementation of design and program elements to meet an outlined budget on the Louisiana Technology Research Institute, Bossier Parish Community College Advanced Manufacturing Technology Center, Eastbank District Master Planning and the Louisiana Tech Academic Success Center will be beneficial to a variety of project types. Damien's ability to deliver a quality set of coordinated drawings and specifications on time and within budget will be essential. His understanding of building materials, systems, and experience with new construction will be vital in implementing design and construction documents.

RELEVANT PROJECT EXPERIENCE

Louisiana Technology Research Center | Bossier City, LA | LA Tech

Damien Ford serves as Technical Team Project Manager leading the Architectural / Engineering team. Damien assisted in the design, construction documents and is currently leading the AE team in the ongoing construction of this facility.

BPCC Advanced Manufacturing Technology Center | Bossier City, LA | BPCC

Damien Ford served as project designer and architectural technician in the development of the design, construction documents, and construction observation. This facility offered educational and classroom spaces as well as a manufacturing training center for workforce development utilizing large cranes, welding, electrician training and a variety of construction related training.

Strikewerx | Bossier City, LA | Cyber Innovation Center

Damien Ford served as project designer and project manager for this collaborative space that hosts design challenges in support of solving problems from Barksdale Airforce Base with talent from the private sector.

Eastbank District Master Plan and Phase 1 Infrastructure | Bossier City, LA

Damien Ford served as one of the project planners for the Master Plan project collecting citizen input, city leadership goals and participating in the long-range vision for the new Eastbank District. Following the Master Plan, Damien served as the overall Project Manager for the design and implementation of the Phase 1 Infrastructure project including new roadways with bike lanes, streetscape, pedestrian amenities, district signage and a new event plaza.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title: Rance Moore

Project Assignment – Architectural Technician / Construction Documents and Consultant Team Leader

Name of Firm with which associated: Mike McSwain Architect, LLC

Years' experience with this Firm: 9

Education: Degree(s)/Year/Specialization: Master of Architecture 2014 – Louisiana Tech University

Active Registration: Year first registered/discipline N/A

Other experience and qualifications relevant to the proposed Project:

Rance Moore's enthusiasm towards design allowed him to be an integral team member on the BPCC STEM's Academic Success Center and the 4th Floor Buildout for Louisiana Tech University will be beneficial to this project. His experience with all phases of design and construction projects in addition to his strong project management will be an asset to this project.

RELEVANT PROJECT EXPERIENCE

South Bossier Redevelopment Project

Rance Moore served as the lead designer and project manager for the implementation of streetscape improvements in the South Bossier District in Bossier City, LA. This project involved the redevelopment of a primary roadway in South Bossier and included roadway reconfiguration, streetscape pedestrian lighting, new sidewalks and decorative lighting along with a new pedestrian trail network.

Bossier Levee District | Bossier City, LA

Rance Moore served as the lead designer and project manager for the improvements to the Bossier Levee District headquarters. The project included new facilities for heavy construction equipment, new paving and outdoor work areas and decorative perimeter fencing.

Bossier City Fire Department Fire Station No. 6 | Bossier City, LA | BPCC

Rance Moore served as the lead designer and project manager for the new fire station project. In coordination with the Bossier City Fire Department and the Bossier City Engineering Department. The project provides for rapid response facilities, residential quarters, and a museum for historic Fire Department equipment and memorabilia.

Grambling State University West Campus Master Plan | Grambling, LA

Rance Moore served as one of the project planners and designers for this project. Rance was instrumental in this project providing computer modeling, project design, data collection and overall team leader. The West Campus features a new campus plan for research in alternative energies, solar arrays, broadband technologies, and general educational facilities.

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

Nature of Firm's Responsibility:

LOUISIANA TECHNOLOGY
PROJECT OWNER
Louisiana Tech University
POINT OF CONTACT NAME
Adam McGuirt
POINT OF CONTACT TELEPHONE NUMBER
318-257-2657

Mike McSwain Architect, LLC served as the lead Architect and overall project managers for the Louisiana Technology Research Institute (LTRI) at the National Cyber Research Park in Bossier City, LA. The educational facility is designed to encourage collaboration between Louisiana Tech University, Barksdale Airforce Base, Department of Defense and private sector companies. MMA handled programming, site and building design, interior design, and coordination with the engineering team including Mechanical, Electrical, Plumbing Engineers, Structural Engineers, Civil Engineers, and other specialist consultants for secure work areas.



Completion Date (Actual or estimated)

Estimated Cost:

Entire Project:



Work for which Firm was Responsible

04/2023

\$27,000,000



Lead Architect / Project Manager

TEC Professional Services Questionnaire

PROJECT NO.2								
Project Name, Location and Owner's contact	Nature of Firm's Responsibility:							
<p>BOSSIER CITY FIRE DEPARTMENT FIRE STATION NO. 6 BOSSIER CITY, LA <small>PROJECT OWNER</small> City of Bossier City <small>POINT OF CONTACT NAME</small> Brad Zagone – Fire Chief <small>POINT OF CONTACT TELEPHONE NUMBER</small> 318-741-8703</p>	<p>Mike McSwain Architect, LLC served as the lead Architect and overall project managers for the Bossier City Fire Department – Fire Station No. 6 in Bossier City, LA. The design offers full drive thru lanes for the emergency vehicles, residential quarters for the firemen and a museum to house one of the original Bossier City fire trucks.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>							
<p>Completion Date (Actual or estimated)</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 33%; padding: 5px;">Entire Project:</th> <th style="width: 67%; padding: 5px;">Work for which Firm was Responsible</th> </tr> <tr> <td style="text-align: center; padding: 5px;">12/2022</td> <td style="text-align: center; padding: 5px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 5px;">\$2,600,000</td> <td style="width: 67%; padding: 5px;">Lead Architect / Project Manager</td> </tr> </table> </td> </tr> </table>		Entire Project:	Work for which Firm was Responsible	12/2022	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 5px;">\$2,600,000</td> <td style="width: 67%; padding: 5px;">Lead Architect / Project Manager</td> </tr> </table>	\$2,600,000	Lead Architect / Project Manager
Entire Project:	Work for which Firm was Responsible							
12/2022	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 5px;">\$2,600,000</td> <td style="width: 67%; padding: 5px;">Lead Architect / Project Manager</td> </tr> </table>	\$2,600,000	Lead Architect / Project Manager					
\$2,600,000	Lead Architect / Project Manager							




TEC Professional Services Questionnaire

PROJECT NO. 3

Project Name, Location and Owner's contact	Nature of Firm's Responsibility:	
<p style="text-align: center;">GRAMBLING STATE UNIVERSITY WEST CAMPUS MASTER PLAN</p> <p style="text-align: center;">PROJECT OWNER Grambling State University</p> <p style="text-align: center;">POINT OF CONTACT NAME Rick Gallot</p> <p style="text-align: center;">POINT OF CONTACT TELEPHONE NUMBER 318-274-6117</p>	<p>Mike McSwain Architect, LLC served as the Master Planners for the West Campus of Grambling State University. This new campus features alternative energy research facilities, solar arrays, business incubators, and educational facilities in anticipation of the growth at Grambling State University.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
06/2022	N/A	Lead Architect / Master Planner

TEC Professional Services Questionnaire

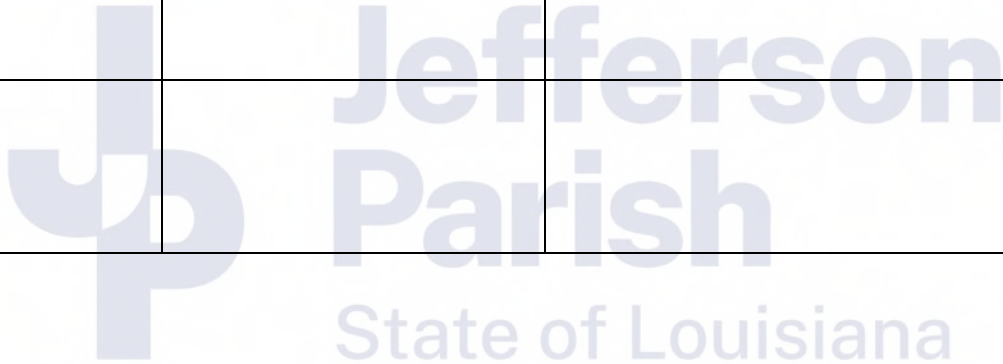
PROJECT NO. 4

Project Name, Location and Owner's contact	Nature of Firm's Responsibility:	
<p style="text-align: center;">GENERAL DYNAMICS INTEGRATED TECHNOLOGY CENTER</p> <p style="text-align: center;">PROJECT OWNER Bossier City / Bossier Parish</p> <p style="text-align: center;">POINT OF CONTACT NAME Craig Spohn</p> <p style="text-align: center;">POINT OF CONTACT TELEPHONE NUMBER 318-759-1600</p>	<p>Mike McSwain Architect, LLC served as the lead Architect and overall project managers for the General Dynamics Integrated Technology Center at the National Cyber Research Park in Bossier City, LA. This 110,000 sf facility serves as a competitive delivery center that will enable GDIT to deliver a full-range of next-generation information technology services, securely and flexibly — including solution delivery, cyber operations and application development — at a competitive cost for the company's federal government customers. In addition, this facility houses a specialized, Tier III Data Center.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <div style="text-align: center; margin-top: 20px;">  </div>	
<p style="text-align: center;">Completion Date (Actual or estimated)</p>	<p>Estimated Cost:</p>	
	<p>Entire Project:</p>	<p>Work for which Firm was Responsible</p>
<p>10/2017</p>	<p>\$35,000,000</p>	<p>Lead Architect / Project Manager</p>

TEC Professional Services Questionnaire

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

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




TEC Professional Services Questionnaire

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



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

Signature: 
Title: Owner / Architect



Print Name: Mike McSwain – Architect

Date: 12/18/2024

TEC PROFESSIONAL SERVICES QUESTIONNAIRE



EUSTIS

ENGINEERING L.L.C.

SINCE 1946

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 24-036, Resolution No. 145324

Professional Architectural and Engineering Services on an As Needed Basis for Architectural Projects Located Throughout the Parish

B. Firm Name & Address:

Eustis Engineering L.L.C.

3011 28th Street, Metairie, Louisiana 70002

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

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

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

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

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

<u>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>46</u> Other
<u> </u> Professional Land Surveyors		<u>91</u> TOTAL

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

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

TEC Professional Services Questionnaire

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

1. Not applicable.

2.

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

YES ☐ NO ☐

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Gwendolyn P. Sanders, P.E. / President

Project Assignment:

Project Principal

Name of Firm with which Associated:

Eustis Engineering L.L.C.

Years' Experience with This Firm:

32

Education: Degree(s)/Year/Specialization:

Master of Science / 1992 / Civil Engineering

Bachelor of Science / 1990 / Civil Engineering

Active Registration: Year First Registered/Discipline:

Louisiana: 1997 / Civil Engineering

Mississippi: 2003 / Engineering

Texas: 2020 / Civil Engineering

Other Experience and Qualifications Relevant to the Proposed Project:

Mrs. Sanders began her professional career with Eustis Engineering L.L.C. in 1993. Over the past 32 years, she has worked her way up through the ranks of the engineering department including Associate Engineer, Project Engineer, Project Manager, and Engineering Manager. She has been on Eustis Engineering's Board of Directors since 1997. In 2020, Mrs. Sanders became Eustis Engineering's first woman president after previously serving as a Vice President and Executive Vice President. As President, she is responsible for day-to-day business operations including quality, safety, marketing, and long-term strategic growth. She also actively participates in the engineering design and review processes.

Considering her experience with Eustis Engineering, a leading Gulf Coast geotechnical firm, Mrs. Sanders has extensive experience in soft soils and working on projects in coastal Louisiana. She has been directly and indirectly involved in numerous projects throughout the Gulf Coast area, particularly in Jefferson Parish. Mrs. Sanders has been involved in and managed every aspect of a geotechnical engineering project; namely, developing appropriate scopes of work for projects, planning and coordinating field investigations, assigning laboratory testing, performing geotechnical engineering analyses, preparing detailed reports with engineering analyses and recommendations, reviewing reports prepared by other professionals, and consulting with clients. Much of her work experience has dealt with identifying soil properties, developing criteria for design of foundations, and determining an appropriate foundation to support the structure under consideration.

In 2017, Mrs. Sanders served as program advisor for the Deep Foundations Institute's 42nd annual conference. She has twice been named one of the 50 Women of the Year by New Orleans CityBusiness, first in 2017 and again in 2021. She is currently serving as an associate member of the ASCE Standards Committee for the Design of Foundations. She has a keen eye for detail and is a stickler for quality. Her work ethic, combined with her communication skills, translates to Mrs. Sanders' ability to deliver successful geotechnical engineering projects to her clients.

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

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Gwendolyn P. Sanders, P.E. / President

- New Orleans, City of - 4th District Police Station, New Headquarters, 3370 Wall Boulevard, New Orleans (Orleans Parish), Louisiana
- Jefferson Parish Sheriff's Office - First District Station, 3620 Hessmer Avenue, Metairie, Louisiana
- Assumption Parish - Clerk of Court, Proposed Storage Building, Napoleonville, Louisiana
- Plaquemines Parish - New Courthouse Facility, Pointe A La Hache, Louisiana, Parish Project No. 13-01-09
- New Orleans Public Library - Nora Navra Branch Library, 1902 St. Bernard Avenue, New Orleans (Orleans Parish), Louisiana
- Jefferson Parish – Proposed Bike Path and Bridge Along 17th Street Canal, Jefferson Parish, Louisiana

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Benjamin M. Cody, P.E. / Principal Engineer	
Project Assignment:	
Senior Project Manager, Principal Engineer	
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:	
<p>From 1993 to 1994, Mr. 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 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 a bench scale testing system in contaminated soil remediation.</p> <p>From 1998 until 2001, Mr. Cody worked for engineering firms in Florida. He performed such duties as soil evaluation and engineering recommendations for projects of varying sizes including multi-story structures, bridges, and roadways. He performed Phase I environmental site assessments as well as geotechnical sensor installation.</p> <p>In 2001, he returned to the New Orleans area and to Eustis Engineering as a Project Engineer. He now serves as a Principal Engineer with the firm. Since his return, Mr. Cody has performed a wide variety of engineering services including geotechnical project management, engineering design, engineering during construction, and dynamic pile testing. Private sector projects have varied from small, private, and commercial structures to multi-story, high-rise structures, storage tanks, and other industrial facilities. Public projects have included roads and bridges, port facilities, government buildings and facilities, schools, and hurricane protection system improvements.</p> <p>His participation in professional societies includes serving on the board of the New Orleans Branch of the American Society of Civil Engineers (ASCE) in roles including Director, Treasurer, and President among others. He also serves on the committee for the Louisiana Civil Engineering Conference and Show (LCECS), a joint conference of the American Concrete Institute ACI and ASCE chapters. In addition to serving as a current member of the LCECS committee, particularly the speaker selection sub-committee, he has also served as conference chair in the past.</p> <p>Some of Mr. Cody's project experience, shown in this submittal, includes the following.</p> <ul style="list-style-type: none">• Jefferson Parish - West Bank Central Warehouse Facility, LA Highway 18, Bridge City, Louisiana• New Orleans, City of - 4th District Police Station, New Headquarters, 3370 Wall Boulevard, New	

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Benjamin M. Cody, P.E. / Principal Engineer
<div>Orleans (Orleans Parish), Louisiana<ul style="list-style-type: none">• Jefferson Parish Public School System - Young Audiences Charter School, 1000 Burmaster Street, Gretna, Louisiana• D'Iberville, City of - Proposed Police Station, Lamey Bridge Road, D'Iberville (Harrison County), Mississippi• Assumption Parish - Clerk of Court, Proposed Storage Building, Napoleonville, Louisiana• Jefferson Parish – Proposed Bike Path and Bridge, Along 17th Street Canal, Jefferson Parish, Louisiana• Jefferson Parish – Proposed Lift Station, Melody Drive and West Esplanade Avenue, Metairie, Louisiana</div>

PROJECT NO. 1	
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:
<p>Jefferson Parish Public School System Young Audiences Charter School 1000 Burmaster Street Gretna, Louisiana Eustis Engineering Project No. 24021</p> <p>Owner's Contact Information: Young Audiences Charter Association 1407 Virgil Street Gretna, Louisiana 70053 Edna R. Moore 1-504-304-6332</p>	<p>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 in 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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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 (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 sieve and Atterberg limits determinations to aid in classification and provide an indication of each material's relative compressibility.</p> <p>In conjunction with the soil borings, CPTs, and laboratory test results, engineering analyses were made to determine recommendations for:</p> <ul style="list-style-type: none"> • water management during and after construction; • site preparation on the interior of the building; • inspection and monitoring of the existing building; • site preparation for the existing building's exterior; • Seismic Site Classification in accordance with the International Building Code;

PROJECT NO. 1		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	<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, timber composite, single-piece and segmented open-end steel pipe, 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:
2/2019 (Actual)	Unknown	\$17,600

PROJECT NO. 2		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Assumption Parish Clerk of Court Proposed Storage Building Napoleonville, Louisiana Eustis Engineering Project No. 24453</p> <p>Owner's Contact Information: Assumption Parish Through C. J. Savoie Consulting Engineers, Inc. Post Office Drawer R Paincourtville, Louisiana 70391 Clarence Savoie III 1-985-369-2341</p>	<p>The new storage building would be a prefabricated metal building with an approximate footprint of 1,500 square feet. The building would be used to store stacked documents with a possible mezzanine area supported by columns for additional overhead storage. The facility pavements would be subjected to light truck loading and vehicular traffic.</p> <p>Eustis Engineering's drill crew drilled one 3-in. diameter undisturbed soil boring to a depth of 80 feet below the existing ground surface for the project. While in the field, pocket penetrometer tests were performed on soil samples to provide a general indication of the materials' shear strength or consistency. Standard Penetration Tests were also performed on samples of cohesionless and semi-cohesive subsoils to determine their relative density.</p> <p>Once the samples were in our laboratory, soil mechanics laboratory tests included natural water content, unit weight, unconfined compression shear, unconsolidated undrained triaxial compression shear, and Atterberg limits determinations.</p> <p>Engineering analyses and recommendations focused on:</p> <ul style="list-style-type: none"> • site preparation including drainage (before and after construction), clearing and stripping operations, subgrade preparation, and structural fill material type and its compaction; • shallow foundation requirements including settlement estimates for the floor slab, footing depths, allowable soil bearing values for continuous strip footings and isolated square footing foundations; • allowable load capacities, in compression and tension, for various sizes of driven timber piles; • settlement estimates associated with structural fills, footings, and pile foundations; and • general construction practices, including monitoring and testing programs. 	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
10/2020 (Actual)	Unknown	\$5,000

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>New Orleans Public Library Nora Navra Branch Library 1902 St. Bernard Avenue New Orleans, Louisiana Eustis Engineering Project No. 23091</p> <p>Owner's Contact Information: The City of New Orleans Through Manning Architects, APAC 650 Poydras Street, Suite 1250 New Orleans, Louisiana 70130 Lauren Williams 1-504-412-2000</p>	<p>A new building was planned for construction at the intersection of St. Bernard Avenue, North Prieur Street, and Onzaga Street. The structure would be approximately 13,700 square feet in areal extent. Existing structures and pavements on site would have to be demolished. As part of construction, a bioswale was planned on the North Prieur Street side of the building. Pervious concrete pavers were also being considered along St. Bernard Avenue as part of the project.</p> <p>Our field exploration included the drilling of two undisturbed sample type soil test borings and two auger borings to determine subsoil conditions and stratification, and to obtain samples of the various strata encountered. The soil borings extended to depths of 80 feet and the auger borings to 8 feet below the existing ground surface.</p> <p>While in the field, Eustis Engineering's personnel also performed a site-specific infiltration test. The infiltration test was performed using the Compact Constant Head Permeameter (Amoozemeter) procedure following the United States Bureau of Reclamation Procedure 7300-89. This is one of the in-situ testing methods approved by the City of New Orleans in the stormwater code. We selected this test method based on furnished information regarding the anticipated depth that the infiltration characteristics would be needed.</p> <p>Soil samples collected in the field were delivered to our Metairie laboratory. There, the materials were subjected to soil mechanics laboratory tests to evaluate the physical properties of the various substrata.</p> <p>In conjunction with the soil borings and laboratory test results, engineering analyses were made to determine:</p> <ul style="list-style-type: none"> • site preparation recommendations including drainage before and after construction, infiltration, demolition, subgrade preparation, structural fill and its compaction, and fill settlement; • allowable pile load capacities in compression for various sizes and embedments of treated ASTM D25 quality timber piles; and • estimated settlement due to structural loads and fill placement. <p>These recommendations were published in a geotechnical engineering design report.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
2/2016 (Actual)	Unknown	\$6,500

PROJECT NO. 4	
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:
<p>Jefferson Parish West Bank Central Warehouse Facility LA Highway 18 Bridge City, Louisiana Eustis Engineering Project No. 22720.00-.01</p> <p>Owner's Contact Information: Jefferson Parish Through ECM Consultants, Inc. 1301 Clearview Parkway, Suite 200 Metairie, Louisiana 70001 Chris Maniscalco 1-504-885-4080</p>	<p>As part of our geotechnical exploration, Eustis Engineering provided foundation analyses and recommendations for the proposed West Bank Central Warehouse Facility located north of LA Highway 18 in Bridge City, Louisiana.</p> <p>The project was to consist of two major structures: a warehouse and a poles/fixtures building, 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, a maximum of 24 inches in diameter, with an estimated maximum bearing depth of 4 feet.</p> <p>At the time of our field activities, the site was observed to be a generally level, open lot with an existing fence, fuel storage tanks, a fueling island, and minimal vegetation. Eustis Engineering drilled three undisturbed sample type soil test borings to depths of 60 to 100 feet and two auger borings to depths of 10 feet. Subsoil samples were obtained in the field using a 3-in. diameter thinwall Shelby tube sampling barrel. The samples were then tested in our laboratory to 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.</p> <p>Our engineering analyses included:</p> <ul style="list-style-type: none"> • site preparation addressing the need for adequate drainage during and after construction; • appropriate clearing and stripping operations complying with the State of Louisiana Department of Transportation and Development's standard specifications; • subgrade preparation; • recommended structural fill material type and its compaction; • estimated fill settlement; • areal subsidence; • bracing for excavations in accordance with OSHA requirements; • recommendations for the installation of new 6-in. to 24-in. diameter sewer and drain lines including bedding materials, the use of geotextile separation fabric, and backfill materials; • lateral earthen pressure on buried structures and at the truck wells associated with the loading dock; • allowable load capacities, in compression and tension, for

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	<p>various sizes of treated timber piles, timber composite piles, and square, precast concrete piles;</p> <ul style="list-style-type: none"> • estimated settlement due to structural loads; • estimated settlement of piles due to fill placement; • recommendations for flexible and rigid pavements; and • recommended truck well designs and construction at the loading dock. <p>Although Eustis Engineering's technicians did not conduct the static pile load tests, as the geotechnical engineer of record, we 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.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
05/2017 (Actual)	Unknown	\$11,500

PROJECT NO. 5	
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:
<p>Jefferson Parish Proposed Bike Path and Bridge Over Veterans Memorial Boulevard Along Jefferson Parish Side of the 17th Street Canal Metairie, Louisiana Eustis Engineering Project Nos. 23920.00-.02</p> <p>Contact Information: Jefferson Parish Public Works Through Linfield, Hunter and Junius, Inc. 3608 18th Street Metairie, Louisiana 70002 Mark K. Annino @ 504-833-5300</p>	<p>A bike path and bridge were proposed over Veterans Memorial Boulevard, along the Jefferson Parish side of the 17th Street Canal, in Metairie, Louisiana. The bridge would be approximately 900 feet long. Pile-supported bridge pier foundations were anticipated to be on approximate 60- and 80-ft centers. Pier loads were anticipated to be 320 kips for four piles (60-ft pier spacings) and 640 kips for eight piles (80-ft pier spacings). An asphalt bike path would extend north and south of the bridge for approximately 2,600 and 800 linear feet, respectively.</p> <p>Prior to performing the field investigation, Eustis Engineering obtained a permit from the South Louisiana Flood Protection Authority – East (SLFPA-East). This permit request included obtaining Letters of No Objection from the State of Louisiana, Coastal Protection and Restoration Authority (CPRA) and the U.S. Army Corps of Engineers (USACE). SLFPA-East, CPRA, and USACE are all project stakeholders since the bike path overlies the levee embankment adjacent to an existing floodwall which parallels the 17th Street Canal. We also contacted Louisiana One Call to locate utilities near proposed exploration points.</p> <p>Eustis Engineering drilled two soil borings to depths of 100 feet below the existing ground surface. In each case, the boring was washed to the 40-ft depth since existing historical data was available. Eustis Engineering drilled three additional soil borings to depths of 100 feet near the proposed bridge piers. Finally, eight direct push borings were made to depths of 4 to 5 feet with one of our Geoprobe® rigs. The direct push borings were positioned in the areas of the proposed asphalt paths. Laboratory tests were performed on the samples to determine the shear strength and relative compressibility of the subsoils encountered. Historical subsurface soil data were also referenced in the development of the soil design parameters.</p> <p>Information from the borings and laboratory results informed the engineering analyses for foundation design, pile installation recommendations, and seepage/stability evaluations. The geotechnical design report included:</p> <ul style="list-style-type: none"> • a discussion of subsoil and groundwater conditions; • estimates of settlement and differential settlement; • estimates of allowable load capacities for various types and sizes of piles (including timber, steel, and concrete); • slope stability analyses of the levee embankment and I-wall system at the locations north and south of the Veterans Memorial Boulevard overpass where the bridge would tie into the existing levee embankment; • seepage analyses to evaluate impacts for the proposed construction on the flood protection; • Seismic Site Classification in accordance with the

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	<p>International Building Code;</p> <ul style="list-style-type: none"> • recommendations for asphalt pavement sections for an at-grade bike path; • recommendations for transitioning between grade-supported and pile-supported approach slabs; • recommendations associated with excavations and dewatering; and • general construction recommendations. <p>Our sensitivity analyses for potential for piping along the proposed monopiles supporting the bridge bents identified the need for a supplemental exploration. The composite stratigraphy provides an acceptable factor of safety against piping. However, significant variations in surficial fill material composition and thickness could present the need to supplement the seepage blanket at select individual foundation locations. Thus, a supplemental exploration was completed. Eustis obtained supplemental permitting to perform 14 cone penetration tests (CPTs), along the western side of the 17th Street Canal, at each individual bridge bent. Each CPT was performed to a depth of 30 feet or practical refusal. The CPTs provide a means to interpret stratigraphy continuously with depth at each bent to aid in the assessment of piping potential to ensure no unintended impacts to the flood protection and assess construction requirements ahead of releasing the bid package to reduce change orders once construction proceeds. These results of these supplemental services were issued in a report.</p> <p>Eustis Engineering also performed supplemental geotechnical analyses to evaluate the soil response of individual piles to lateral loads to aid in the selection and design of the monopiles to support the bridge. We performed soil-pile interaction analyses to estimate the maximum bending moment and deflections in various open-end steel pipe pile diameters and wall thicknesses. The unfactored results were summarized in graphical and tabular form in an additional supplemental letter.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
08/2023 (A)	Unknown	\$55,400

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Plaquemines Parish New Courthouse Facility Pointe a la Hache, Louisiana Parish Project No. 13-01-09 Eustis Engineering Project No. 22434</p> <p>Owner's Contact Information: Plaquemines Parish Through Linfield, Hunter & Junius, Inc. 3608 18th Street, Suite 200 Metairie, Louisiana 70002 Anthony Goodgion 1-504-833-5300</p>	<p>The century-old Plaquemines Parish Courthouse was to be rebuilt after a fire ravaged the building in 2002 and caused more than \$2.5 million in damage. An addition was also to be constructed behind the courthouse. The three- to four-story, 24,000 square foot building was to be constructed of cast-in-place concrete elevated above the existing grade without fill. A parking lot was also planned, but the location was unknown at the time of our exploration. The project area was on a developed lot with existing structures and driving lanes located on LA Highway 15 on the protected side of the Mississippi River levee.</p> <p>Eustis Engineering coordinated with the Plaquemines Parish Government, the U.S. Army Corps of Engineers (USACE), and the Coastal Protection and Restoration Authority (CPRA) to obtain a permit to drill the soil borings for the project. All soil borings were drilled with one of Eustis Engineering's truck-mounted drill rigs. Three undisturbed soil borings were each drilled to depths of 100 feet. Four auger borings were each drilled to 8 feet below grade with grab samples collected from the auger blades. All samples were visually inspected in the field and classified by Eustis Engineering's soil technician. The borings were grouted or backfilled upon completion in accordance with the permit requirements.</p> <p>Once in the laboratory, soil mechanics laboratory tests were performed on samples obtained from soil borings. Testing consisted of natural water content, unit weight, Atterberg limits, unconfined compression shear, and unconsolidated undrained triaxial compression shear.</p> <p>In conjunction with the soil borings and laboratory test results, engineering analyses were made to estimate allowable pile load capacities for deep foundations, estimate pile settlement due to structural loads, determine thicknesses and components for rigid and flexible pavements, and determine lateral loads on piles. Recommendations for site preparation, general construction, and pile installation were provided as well.</p> <p>Supplemental engineering services were also performed during the construction phase. Eustis Engineering's geotechnical engineer of record reviewed and interpreted the static pile load test results. We also provided recommendations for adjustments to the pile embedment and installation methods implemented to meet the design load capacity.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
11/2016 (Actual)	Unknown	\$14,200

PROJECT NO. 07		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish Proposed Lift Station Melody Drive and West Esplanade Avenue Metairie, Louisiana Eustis Engineering Project No. 24782</p> <p>Contact Information: Jefferson Parish Through ECM Consultants, Inc. 1301 Clearview Parkway Suite 200 Metairie, Louisiana 70006 Sunina Shrestha P.E. @ 504-885-4080</p>	<p>A new lift station was proposed to be constructed at the intersection of Melody Drive and West Esplanade Avenue in Metairie, Louisiana, just east of the existing lift stations. The structure's wet well and valve pit would have a 2-ft (thick) base slab extending 2 feet beyond all sides. Two options regarding the wet well size and dimensions were being considered. A new pile-supported sewer force main aerial canal crossing was also proposed.</p> <p>Eustis Engineering's subsurface exploration comprised one undisturbed sample type soil test boring to a depth of 70 feet below the existing ground surface using a truck-mounted rotary-type drill rig. Due to the existing site features and overhead and underground utilities, our crew coordinated closely with the designer and representatives of Jefferson Parish to select the boring location. After completion of the field work, the samples were transported to our certified Metairie laboratory for testing. Soil mechanics laboratory tests consisted of visual classification, natural water content, unit weight, unconfined compression shear, unconsolidated undrained triaxial compression shear, and Atterberg liquid and plastic limits tests. These test results were utilized to develop soil design parameters for the geotechnical analyses.</p> <p>We made recommendations for both shallow (mat/slab) and deep (driven pile) foundation design, installation, and materials.</p> <p>Engineering analyses included settlement and lateral earthen pressures (at-rest, active, and passive). For mat foundations, we calculated allowable soil bearing values, net applied pressure intensity, estimated settlement, and uplift pressure. For pile foundations, we calculated allowable pile load capacities in compression and tension and estimated settlement. We also provided recommendations for pile materials, size, and installation methods.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
05/2022 (A)	Unknown	\$6,160

PROJECT NO. 8	
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:
<p> City of New Orleans 4th District Police Station New Headquarters 3370 Wall Boulevard New Orleans, Louisiana Eustis Engineering Project No. 23625.00-.01 </p> <p> Owner's Contract Information: City of New Orleans Police Department Through Holly and Smith Architects, APAC 208 North Cate Street Hammond, Louisiana 70401 Brent Baumbach 1-985-345-5201 </p>	<p>A new two-story steel and concrete police station, with accompanying concrete vehicular and pedestrian paving, was proposed for the New Orleans Police Department's (NOPD's) 4th District Headquarters. The approximate plan dimensions of the station were 150' x 60' with a total square footage of approximately 18,000 square feet. Maximum column loads would not exceed 150 kips. Maximum wall loads would not exceed 2 kips per foot. Site development included a large flagpole, covered walkways, and paved parking and driveways. At that time of the investigation, a retaining wall, with up to 4 feet of exposure, was to be considered as part of the project. A stormwater retention system would also be required.</p> <p>As part of our investigation, Eustis Engineering drilled two soil borings to depths of 80 feet each below the existing ground surface. Two auger borings were also made extending to depths of 20 feet each below the existing ground surface. All borings were drilled with track-mounted equipment.</p> <p>Once the samples were delivered to our laboratory, they were subjected to a variety of soil mechanics laboratory tests including visual classification, natural water content, unit weight, unconfined compression shear, and unconsolidated undrained triaxial compression shear to aid in classification of the subsoils. Additional testing included Atterberg limits determinations.</p> <p>Engineering analyses made for the project used data developed in the field and laboratory as part of this investigation, as well as at the adjoining lot where Eustis Engineering had previously performed an exploration for a proposed fire station. These analyses included:</p> <ul style="list-style-type: none"> • soil properties including seismic site classification and infiltration rates; • groundwater management; • site preparation recommendations including subgrade preparation as well as recommended fill material types and their compaction; • fill settlement estimates; • estimates of lateral earthen pressures; • shallow foundation recommendations for ancillary structures, including allowable soil bearing values, and recommended footing depths; • allowable load capacities, in compression and tension, for treated ASTM D25 quality timber composite piles to support the project features; • temporary lateral load capacities associated with the flagpole; • settlement estimates associated with both shallow and deep foundations; • pile installation recommendations; and • recommendations associated with both flexible and rigid pavements.

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	After completing the geotechnical exploration, Eustis Engineering was asked to provide additional engineering analyses associated with the project. Specifically, the engineering analyses and recommendations were associated with limiting post-construction settlement using a preload/surcharge program.	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
06/2020 (Actual)	Unknown	\$16,500

PROJECT NO. 9	
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:
<p>Jefferson Parish Sheriff's Office First District Station 3620 Hessmer Avenue Metairie, Louisiana Eustis Engineering Project No. 23114</p> <p>Owner's Contact Information: Jefferson Parish Sheriff's Office Through N-Y Associates, Inc. 2750 Lake Villa Drive, Suite 100 Metairie, Louisiana 70002 Jonathan O'Rear, AIA RCARB, LEED 1-504-885-0500</p>	<p>The Jefferson Parish Sheriff's Office (JPSO) planned to build a new station on Hessmer Avenue in Metairie, Louisiana. The station would be approximately 7,000 square feet of main floor space which would include an entrance lobby, retail space, and storage space. The second floor would also be approximately 7,000 square feet in plan size. This would serve as the JPSO's First District office. The main floor and pavements would be constructed between existing grade up to an elevation of 4 feet.</p> <p>Based on our knowledge of the project details and the subsoils in the area, Eustis Engineering drilled one soil boring to a depth of 100 feet below the existing ground surface. The boring depth was required to identify the surface of the Pleistocene formation and to evaluate settlement and downdrag due to the placement of 4 feet of fill. Eustis Engineering also drilled five auger borings to depths of 10 feet for the pavement areas.</p> <p>After completing the field investigation, our laboratory personnel performed a variety of soil mechanics laboratory tests including natural water content, unit weight, unconfined compression shear, and unconsolidated undrained triaxial compression shear. These tests were used to classify the soils, determine their shear strength, and determine their relative compressibility.</p> <p>Our engineering staff performed engineering analyses for the project. These analyses included:</p> <ul style="list-style-type: none"> • recommendations for site preparation; • recommendations for placement and compaction of fill; • estimates of allowable pile load capacities; • effects of downdrag on piles due to the placement of 4 feet of fill; • estimates of settlement; • components and thicknesses for rigid and flexible pavements; and • general foundation construction procedures. <p>In 2017, Eustis Engineering provided supplemental design services associated with a preload/surcharge program being considered to reduce post-construction settlements on the site paving and pile foundations.</p> <p>In 2018, Eustis Engineering was engaged during the construction phase to assist with responding to contractor RFIs regarding pile installation difficulties and conflicts identified during pile driving operations. As a result of the RFIs, our geotechnical engineer of record was also engaged to review pile driving records and the results of a test pile program. Additional pile testing was conducted and observed to provide modifications to the installation criteria, reduce pile damage,</p>

	and address the existing pile conflicts while still meeting the design requirements.	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
05/2018 (Actual)	Unknown	\$11,400

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>City of D'Iberville Proposed Police Station Lamey Bridge Road D'Iberville County, Mississippi Eustis Engineering Project No. G0386.00-.02</p> <p>Owner's Contact Information: City of D'Iberville Through Machado-Patano, PLLC 918 Howard Avenue, Suite F Biloxi, Mississippi 39530 Nicholas Moody 1-228-388-1950</p>	<p>The police station was proposed to be a two-story building with a footprint of approximately 4,650 square feet including a porte cochère. Minimal additional fill would be required to reach construction grade. The parking lot around the police station building, and within the existing baseball field, would have 62 parking spaces. Thirty-two of those parking spaces would be in the area currently used as parking for the baseball fields.</p> <p>Five undisturbed soil borings and one auger boring were drilled to depths of 35 feet and 5 feet below the existing ground surface, respectively, by one of Eustis Engineering's drill crews. The field investigation was followed by a laboratory testing program in one of our accredited laboratories. Testing included the performance of natural water content, unit weight, Atterberg limits determinations, unconfined compression shear tests, and percent passing the U.S. Standard No. 200 sieve. These results were used by our engineers to develop the soil design parameters for the project.</p> <p>Engineering analyses were made by our engineering team to determine the following:</p> <ul style="list-style-type: none"> • recommendations for both temporary and permanent drainage including adequate surface and subsurface features, and subgrade preparation; • recommendations for use of excavated soils in landscaping, but not in building and pavement areas; • recommended structural fill and fill materials and their compaction requirements for the various project features; • settlement estimates associated with fill used in site grading and within the building footprint; • allowable soil bearing values for continuous strip footings and isolated square footing foundations; • settlement estimates associated with various types and sizes of shallow footing foundations; and • recommended pavement components and thicknesses, for both flexible and rigid pavements, using methods presented in the AASHTO Guide for Design of Pavement Structures. 	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
01/2019 (Actual)	Unknown	\$12,000

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. None at this time.		
2.		
3.		
4.		

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

When Eustis Engineering L.L.C. opened its first office in Vicksburg, Mississippi, in 1946, it housed its entire operation in less than 500 square feet of space. *Seventy-eight 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;
- special inspections; 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 either as a prime or subconsultant. Project types include water and wastewater pump stations, lift stations, roads and bridges, utilities, drainage structures and canals, coastal features and flood protection. 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 drilling, laboratory, and engineering staffs unparalleled familiarity with the subsurface and foundation conditions in the Gulf Coast and the challenges that may arise for projects associated with this contract.

ENGINEERING SERVICES

Eustis Engineering has geotechnical engineering capabilities to fulfill the requirements of nearly any project. As evidenced by the included write-ups in this package, our experience with performing field exploration, testing, and geotechnical engineering design is varied and extensive.

Eustis Engineering's design teams have completed projects associated with all types of infrastructure and capital/public works projects including water, sewerage, drainage, streets, and parkways. Eustis Engineering's design teams evaluate pavement subgrades and provide recommended pavement component thicknesses for rigid and flexible pavements, including permeable, pervious, and impervious systems. We also evaluate pavement materials and mix designs. Our evaluation of bearing capacity considers the excavation depth, base preparation, and utility diameter. We have developed pile capacity and bearing capacity analyses for projects throughout Jefferson Parish and 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 evaluate local and deep-seated global stability of canals, waterway slopes and embankments as well as excavation shoring and sheeting. We provide assessments of heave, seepage and erosion control measures. We evaluate floodwalls, including I-walls, L-walls, T-walls and gates.

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 moments. 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 18 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	33	33
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	M.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		259	330

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

Cone Penetration Testing Capabilities

Eustis Engineering owns two dedicated track-mounted cone penetration test (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 to our clients by reducing preload durations, providing refinement of geotechnical design parameters through full-scale testing, and verifying the performance of cutting-edge designs. Our services go beyond the construction phase, as long-term monitoring programs enable owners to maximize utilization of their facilities throughout the design life by verifying if soil behavior is within acceptable limits.

Eustis Engineering provides the following instrumentation services:

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

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

DRILLING/FIELD EXPLORATION

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

Field Exploration Personnel

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

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

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 a dynamic cone penetrometer to assess the in-situ strength of undisturbed soils and compacted materials in accordance with ASTM D 6951.

Drone Capabilities

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

LABORATORY SERVICES

Eustis Engineering’s laboratories are constantly evolving with the purchase of new equipment on a yearly basis. Our gINT® data management software from Bentley allows for maximum efficiency in 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); State of Louisiana, Department of Transportation and Development (LaDOTD); AASHTO; FAA; and the U.S. Army Corps of Engineers (USACE). Our laboratories hold accreditations from AASHTO, LaDOTD, and the USACE.

Laboratory Staffing

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

Laboratory Quality Control

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

Eustis Engineering 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: 12 December 2024



OFFICE LOCATIONS:



DALLAS, TX
PORT ARTHUR, TX
HOUSTON, TX
NEW ORLEANS, LA
SHREVEPORT, LA
JACKSON, MS