

RESPONSE TO



**Jefferson
Parish**

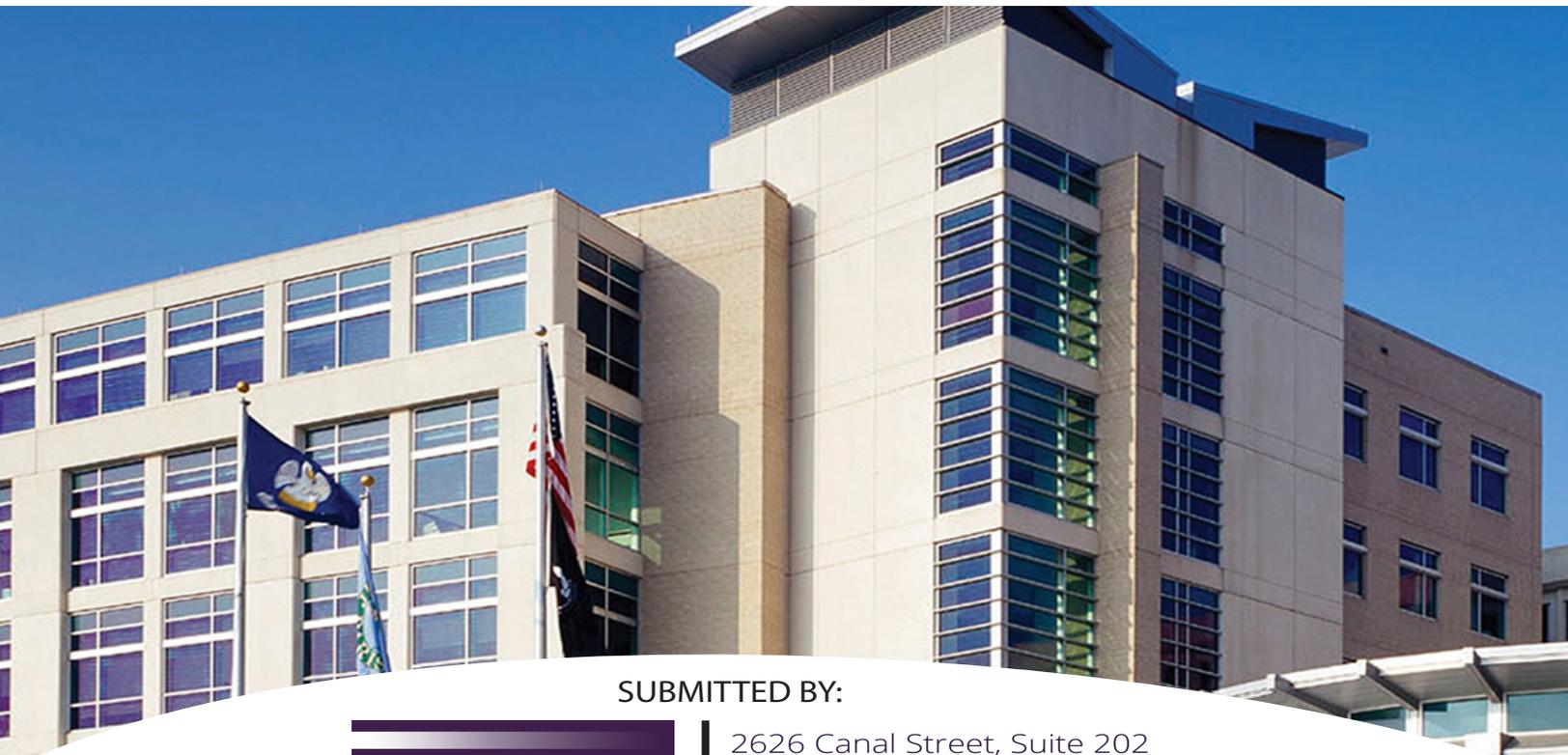
State of Louisiana

RFQ 23-006

To Provide Professional
Architectural and Engineering
Services Related to Design and
Construction Administration of a
New East Bank Jefferson Parish
Animal Adoption and Services
Facility

Resolution 141465

March 30, 2023



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 ---

Eustis Engineering L.L.C. | BFM Corporation LLC

TEC PROFESSIONAL SERVICES QUESTIONNAIRE



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ NO. 23-006 TO PROVIDE PROFESSIONAL ARCHITECTURAL AND ENGINEERING SERVICES
RELATED TO DESIGN AND CONSTRUCTION ADMINISTRATION OF A NEW EAST BANK JEFFERSON
PARISH ANIMAL ADOPTION & SERVICES FACILITY

RESOLUTION 141465

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



2626 Canal Street, Suite 202
New Orleans, LA 70119

EF.0002603 (EJES INCORPORATED)
AE.0189

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: NO

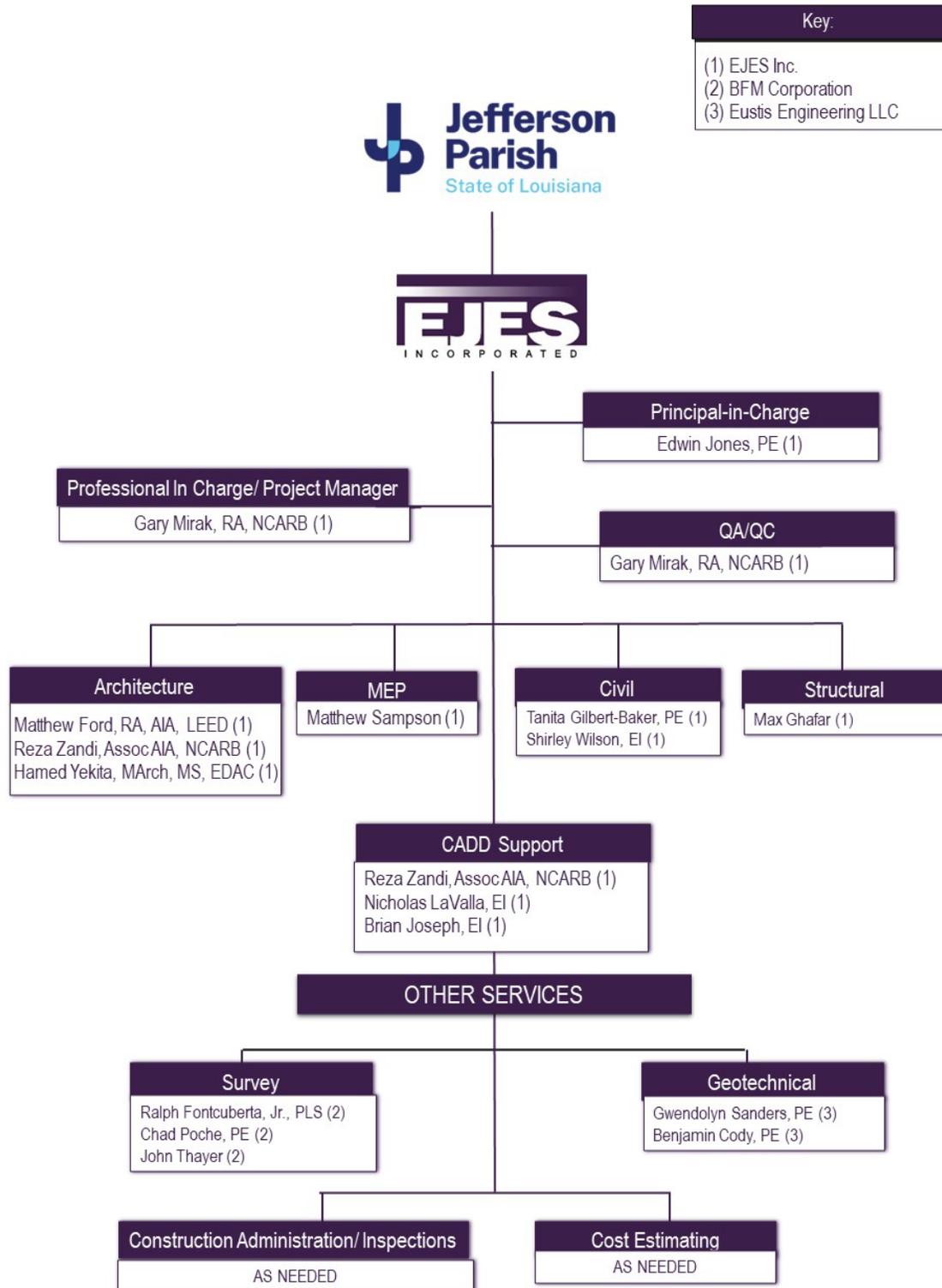
I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. Eustis Engineering LLC 3011 28 th Street Metairie, LA 70002	Geotechnical Services	Yes
2. BFM Corporation LLC 15 Veterans Memorial Blvd Kenner, LA 70062	Survey	Yes

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:
26
Education: Degree(s)/Year/Specialization:
B.S./ 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 BILLETING BUILDING B5155 BARKSDALE AFB, LA Principal-in-Charge for providing A-E services for existing Billeting 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>MILITARY WORKING DOG KENNEL/SUPPORT FACILITY FORT SAM HOUSTON, TX Principal-in-Charge for A-E services for design and construction documents for the design and construction of an approximately 4,000 SF Military Working Dog Kennel/Support Facility at Fort Sam Houston Army Base.</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
Project Manager QA/QC
Name of Firm with which associated:
EJES INCORPORATED
Years' experience with this Firm:
12
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>MILITARY WORKING DOG KENNEL/SUPPORT FACILITY FORT SAM HOUSTON, TX Architect Project Manager for providing statement of design and construction documents for the design and construction of an approximately 4,000 SF Military Working Dog Kennel/Support Facility at Fort Sam Houston Army Base. Mr. Mirak was responsible for coordinating all disciplines, conducting design charrettes with users and USACE, and establishing concepts and approaches. Mr. Mirak was also responsible for facilitating a value engineering workshop to validate the project cost.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Matthew Ford, RA, AIA, LEED GREEN ASSOCIATE
Project Assignment
Senior Architect
Name of Firm with which associated:
EJES INCORPORATED
Years' experience with this Firm:
7 Months
Education: Degree(s)/Year/Specialization:
B.S. /1992/ Architecture, University of Maryland School of Architecture Graduate Diploma, History and Theory of Architecture, Architectural Association, London/ 1993 Examination, Professional Practice, Architecture, South Bank Polytechnic, London/ 1992
Active Registration: Year first registered/discipline
2014/Registered Architect- TX #24198 1993/Registered Architect – DC #ARC5639
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Ford is a Senior Architect Project Manage responsible for high-profile architecture projects, including those for universities, and project management assignments such as for the Dallas ISD 2020 Bond Program. Mr. Ford has more than thirty years of experience in vertical construction, corporate interiors, and project management in architecture. He has a broad range of experience in various practice areas, and an in-depth ability to synthesize design ideas, technology, architecture, marketing, and sustainability. Mr. Ford obtained his Bachelor of Science in Architecture from the University of Maryland and holds a Postgraduate Degree in the History and Theory of Architecture from the Architectural Association in London, England. Matthew also worked on prominent projects as a registered architect in the United Kingdom, obtaining his Part 3 qualification in architecture at South Bank University, London.</p> <p>RELEVANT EXPERIENCE</p> <p>SOUTHERN UNIVERSITY A&M COLLEGE: MUMFORD STADIUM: ARNETT W. "ACA" ATHLETIC FIELDHOUSE FACILITY LOCKER ROOM RENOVATION BATON ROUGE, LA <i>Architectural Designer</i> for the partial redesign of an existing building project, currently in design, is the minor renovation oof the Arnett W. "Ace" Mumford Football Stadium Fieldhouse athletic areas including 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. The project scope also includes the renovation of the coaches' executive offices on the second floor, including a new executive restroom. 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> <p>MILITARY WORKING DOG KENNEL/SUPPORT FACILITY FORT SAM HOUSTON, TX <i>QA/QC Reviewer</i> for design and construction documents for the design and construction of an approximately 4,000 SF Military Working Dog Kennel/Support Facility at Fort Sam Houston Army Base</p> <p>DALLAS INDEPENDENT SCHOOL DISTRICT (DISD) 2020 BOND PROGRAM DALLAS, TX <i>Project Manager</i> A dedicated EJES project management team leads the continuing 2020 Bond Program 2020 to 2023 roll-out on renovations to five prominent District schools: Harry Stone Montessori, Otto M. Fridia Elementary School, Gilliam Collegiate Academy, Wilmer-Hutchins Elementary, and the T.G. Terry Elementary School. Teaming with McKissack and other providers, the program project management services will encompass the full gamut of need assessment, scope-to-budget (STB), Pre-design, design, Contract Documents (CD) and construction administration phases for all five schools.</p> <p>OTHER RELEVANT PROJECTS:</p> <ul style="list-style-type: none"> • SMU Catholic Campus Ministry – Dallas, TX • North Texas Municipal Water District Heavy Equipment Maintenance Shop – Wylie, TX • North Texas Municipal Water District Muddy Creek Operations Building Improvements – Melissa, TX • City of Plano High Point North Maintenance Facility – Plano, TX • Capital Metropolitan Transportation Authority McKalla Rail Station and Siding – Austin, TX • L3 Harris Technologies, Majors Greenville Airport Control Tower Line of Sight Analysis – Greenville, TX • American Airline Admirals Lounge– DFW Airport, TX • Toyota Corporate Hanger Executive Lounge McKinney Airport – McKinney, TX • FedEx Office Corporation Headquarters – Plano, TX

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:
1
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:
<p>Reza Zandi, ASSOC AIA, NCARB (AXP) is a hands-on Designer with more than 5 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.</p> <p>RELEVANT EXPERIENCE</p> <p>NATCHITOCHEs CITY POOL NATCHITOCHEs, 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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>MILITARY WORKING DOG KENNEL/SUPPORT FACILITY FORT SAM HOUSTON, TX Architectural Designer, providing technical support and drawings for the design and construction of an approximately 4,000 SF Military Working Dog Kennel/Support Facility at Fort Sam Houston Army Base.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Hamed Yekita, MArch, MS, EDAC
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/2007/ Islamic Azad University Master of Architecture/2011/ Iran University of Science & Technology M.S./2020/Environmental Design/ Texas Tech University Graduate Certificate/ 2021/ Construction Engineering and Management/ Texas Tech University Graduate Certificate/ 2021/ Essentials of Business/ Texas Tech University Ph.D. Candidate in Interior and Environmental Design/2023/ Texas Tech University
Active Registration: Year first registered/discipline
Other experience and qualifications relevant to the proposed Project:
<p>Hamed Yekita has more than 8 years of experience in architecture and interior design. His experience includes commercial, hospital facilities, residential and hospitality. Mr. Yekita also has experience in consulting and construction management. Mr. Yekita is proficient in AutoCAD, Revit, Sketchup, Bluebeam, 3ds Max, Cinema 4D, Maya, Filmora, Photoshop, and other software.</p> <p>RELEVANT EXPERIENCE</p> <p>NATCHITOCHEs RECREATION SWIMMING POOL NATCHITOCHEs, LA Architectural Designer. Advancing the Design Development and Schematic Design, Coordinate with Design Team.</p> <p>CADDO-BOSSIER 40,000 SF WAREHOUSE CADDO PARISH, LA Architectural Designer. Advancing the previous Design and Construction Drawings, Coordinate with Senior Architect and Major Consultant.</p> <p>SOUTHERN UNIVERSITY AMPHITHEATER BATON ROUGE, LA Architectural Designer. Advancing the previous Design and Architectural Drawings, Coordinate with Senior Architect.</p> <p>SOUTHERN UNIVERSITY SPORT FACILITY REMODEL BATON ROUGE, LA Architectural Designer. Advancing the Design and Architectural Drawings, Coordinate with Senior Architect.</p> <p>DALLAS INDEPENDENT SCHOOL DISTRICT 2020 BOND DALLAS, TX Project Manager. Coordinate with Major Project Manager Firm to manage Renovation Project of Five Schools by Various Architecture Firms.</p> <p>REPLICA POOL RENOVATION FORT BLISS, TX Architectural Designer. Advancing the previous Design and Construction Drawings, Coordinate with Senior Architect.</p> <p>NAGHSH PAYDAR CONSULTANT ENGINEERING TERHAN, IRAN Registered Architect. Advancing Design and Construction Projects from Schematic Design to Construction for Various Projects, including Healthcare, Residential, and Commercial Projects.</p> <p>MINISTRY OF HEALTH AND MEDICAL EDUCATION TEHRAN, IRAN Health Design Researcher. Managed research teams on 6 projects for National Healthcare Facilities Standards.</p> <p>SEMICONDUCTOR INDUSTRIAL DEVELOPMENT CO TEHRAN, IRAN Architect and Interior Designer. Provided design for 60,000 SF area factory.</p> <p>IRARIAN CONSTRUCTION ENGINEERING KARAJ, IRAN Construction Inspector provided oversight for 3 residential projects. Islamic Republic of Iran Navy Central Organization Tehran, Iran Architect Interior Designer for the re-design project for Emergency Department for Valasi Hospital. Responsible for consulting the lead architects for the design of Bandar Abbas General Hospital and Knoarak General Hospital.</p> <p>MILITARY WORKING DOG KENNEL/SUPPORT FACILITY FORT SAM HOUSTON, TX Architectural Designer, providing technical support and drawings for the design and construction of an approximately 4,000 SF Military Working Dog Kennel/Support Facility at Fort Sam Houston Army Base.</p>

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:
<p>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.</p> <p>RELEVANT EXPERIENCE</p> <p>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.</p> <p>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.</p> <p>MILITARY WORKING DOG KENNEL/SUPPORT FACILITY 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.</p> <p>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.</p> <p>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.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Tanita Gilbert-Baker, PE, MBA
Project Assignment
Senior Civil Engineer
Name of Firm with which associated:
EJES INCORPORATED
Years' experience with this Firm:
14
Education: Degree(s)/Year/Specialization:
B.S./1994/Civil Engineering/Tulane University MBA/2007/Centenary College
Active Registration: Year first registered/discipline
2001/Professional Engineer- LA #329350 2001/Professional Engineer – TX #88719
Other experience and qualifications relevant to the proposed Project:
<p>Ms. Gilbert-Baker has over 25 years of civil engineering experience in design and management of municipal streets and drainage projects, state highway projects, water/sewer improvements, site planning and design, hydraulic studies and analysis, and management of Federal projects requiring alterations or additions to base facilities and infrastructures. She is currently managing IDIQ contract at Barksdale AFB. She is also member of the American Society of Civil Engineers (ASCE), National Society of Professional Engineers (NSPE) and Louisiana Engineering Society.</p> <p>RELEVANT EXPERIENCE</p> <p>RONPAK WAREHOUSE EXPANSION CADDO-BOSSIER, LA <i>Senior Project Manager</i> for design services for expansion of approximately 77,000SF for existing facility</p> <p>DESIGN OF RECREATIONAL VEHICLE LOT FACILITY BARKSDALE AFB, LA <i>Project Manager</i>. for the renovation and expansion of the existing 11,322 SF parking lot with 150 parking spaces. EJES provided design services to expand the parking lot to approximately 9.7 SY to increase the capacity of the lot up to 300 total parking.</p> <p>CALVARY BAPTIST CHURCH SHREVEPORT, LA <i>Project Manager/ Engineer</i> for the civil site design services required for the expansion of the sanctuary at Calvary Baptist Church in Shreveport, Louisiana. Project required the design of site grading and drainage, a 20- space asphalt parking area, 10,000 sf of concrete driveways, 13,350 sf of concrete walkways, and water/sewer connections to existing utilities.</p> <p>JOB CORPS GIRLS DORMITORY SHREVEPORT, LA <i>Project Manager/ Engineer</i> for the civil site design for the construction of a new 2 story girls dormitory and the Job Corps Center in Shreveport, Louisiana. Project required the design of parking area and various site improvements including concrete walkways, drainage, and water/sewer connections to existing utility lines. Project also required design of backflow prevention.</p> <p>BILL COCKRELL PARK RENOVATION SHREVEPORT, LA <i>Project Manager</i>. for the civil site design required for the construction of a new 25,000 SF community center building at Bill Cockrell Parks in West Shreveport. Design services were provided for a new access road and parking area at the community center. The project also required regrading the storm water retention area for proper drainage to allow the retention areas to be maintained and used for recreational sport fields when dry.</p> <p>CADDO-BOSSIER WAREHOUSE CADDO-BOSSIER, LA <i>Project Manager</i>. 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>MILITARY WORKING DOG KENNEL/SUPPORT FORT SAM HOUSTON, TX <i>Senior Civil Engineer</i> for A-E services for design and construction documents for the design and construction of an approximately 4,000 SF Military Working Dog Kennel/Support Facility at Fort Sam Houston Army Base.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
SHIRLEY WILSON, EI
Project Assignment
Civil Designer
Name of Firm with which associated:
EJES INCORPORATED
Years' experience with this Firm:
14
Education: Degree(s)/Year/Specialization:
2003/B.S./ Civil Engineering/ University of New Orleans
Active Registration: Year first registered/discipline
Engineer-in-Training - LA #27786 - Civil
Other experience and qualifications relevant to the proposed Project:
<p>Ms. Wilson has 16 years of experience in multidisciplinary Civil Engineering work. Her experience includes project management, design, drafting, research, construction management and value engineering. She has experience in roadway design, subsurface infrastructure and street rehabilitation projects. She also assisted in design of wastewater treatment plant projects, water plant improvements, waterline replacement and storage tanks, and the evaluation of storm and sanitary sewer lines of rehabilitation. Ms. Wilson experience also includes being responsible for updating the Galveston Island Water Distribution System Model and assisting in preparing a Master Plan report with recommendations for improvements to the city of Galveston.</p> <p>RELEVANT EXPERIENCE</p> <p>DOUG ATTAWAY EXTENSION CADDO-BOSSIER, LA Civil Designer Developing typical sections, summary of quantities, general construction/SWPPP notes, geometric layout, geometric details, pavement marking and signing, standard plans, erosion control plans & details, bid documents/specifications</p> <p>TRAFFIC IMPACT ASSESSMENT CADDO-BOSSIER, LA Technician EJES performed traffic counting tasks related to a Traffic Impact Assessment describing the current and future traffic impact that the Port of Shreveport Bossier has on the major thoroughfare network in the vicinity around its site on LA Hwy. 1. EJES provided the personnel and equipment to conduct 24-hour counts at 12 locations, AM/PM Turning Movement counts at 7 locations, traffic accident research, conduct truck origin-destination survey at the four entrance gates on the Port property.</p> <p>ADS WAREHOUSE SHREVEPORT, LA Civil Designer Civil site design services for the expansion of a 100,000 sf warehouse adjacent to the current ADS Logistics warehouse at the Caddo Bossier Port. EJES is providing for the addition of an aggregate shoulder for inbound trucks, site grading and drainage, temporary erosion control measures, and relocation of existing site utilities.</p> <p>CADDO BOSSIER PORT RAIL YARD IMPROVMENTS CADDO-BOSSIER, LA Civil Designer This project required the development of plans, specifications, and estimate for a proposed rail yard to be located at the Caddo Bossier Port in Shreveport, LA. The project included the installation of approximately 12,000 track feet (TF) of industrial rail, eight #8 left hand turnouts.</p> <p>BENTLER/SELECT RAIL IMPROVMENTS CADDO-BOSSIER, LA Civil Designer This project required improvements to two railway sites at the Port. The Select site included the installation of approximately 5984 track feet (TF) of industrial rail, two #8 left hand turnouts, two timber road crossings, three earthen bumpers and a drainage system that consists of two junction boxes and piping. This site will also involve the relocation of an existing scale. The Bentler Site included the installation of approximately 1760 TF, two #8 turnouts, one left-hand and one right-hand, and a drainage system that consists of two junction boxes and piping.</p>

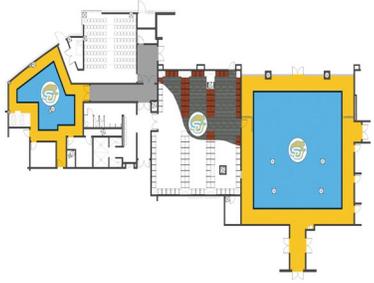
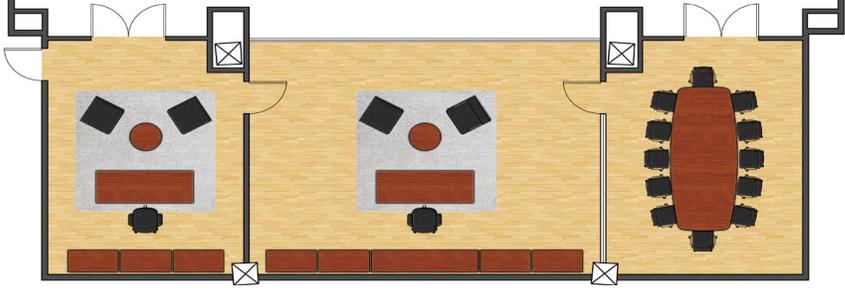
TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Mehrdad N. "Max" Ghafar, PE
Project Assignment
Senior Structural Engineer
Name of Firm with which associated:
EJES INCORPORATED
Years' experience with this Firm:
13
Education: Degree(s)/Year/Specialization:
1977/B.S. /The University of Science and Technology/ Tehran 1980/M.S./The George Washington University, DC
Active Registration: Year first registered/discipline
1984/ Professional Engineer- TX #56192
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Ghafar has over 30 years of experience in civil engineering design, structures, bridges, construction management and support services. His project experience with various agencies includes USACE, NTTA, TxDOT, local municipalities, Dallas County, DART, DISD, DOE, and DFW International Airport.</p> <p>Area of Expertise: Structural design, Structural analysis, steel & concrete design, steel & concrete details, steel fuel tank design, deep foundation, pier & beam with slab foundation, seismic & wind design analysis, investigating existing structure.</p> <p>RELEVANT EXPERIENCE</p> <p>FORT SILL B1603 REMODEL BARRACK BUILDING FORT SILL, OK Structural Engineer responsible for performing scoping, planning, and cost estimating of structural system for the remodeling of Barrack Building. Mr. Ghafar identified and assessed footing, beams, columns, joists, and load bearing walls, both in field and via review of as built drawings and documents. He assessed compliance with AT/FP blast design requirements and progressive collapse to outline structural design scope. He performed designed, cellulation of structural members, structural details and provided design analyses to assess the structural integrity of the facility.</p> <p>USACE FORT SILL- SKILLS TRAINER DESIGN FORT SILL, OK Structural Engineer responsible for performing full structural design for rehabilitation of the existing EST2 Skill Trainer facility. Mr. Ghafar performed calculations, design, and specifications for rehabilitation of existing facility. He identified structural design criteria and performed analysis of AT/FP requirements for design of structural members and details.</p> <p>USACE FORT SILL BUILDING 6017 REMODEL ARMY ADMIN HEADQUARTER FORT SILL, OK Structural Engineer responsible for overseeing the structural design tasks for remodeling of the Army Admin Headquarter. both in field and via review of as built drawings and documents checking detail structural analyses, inspecting existing structure evaluate the structural integrity of the facility, checking structural design code for rehabilitation of the facility. Review structural submittal to provide comments.</p> <p>USACE (JBSA) CAMP BULLIS APPLIED INSTRUCTION BUILDING CAMP BULLIS, TX Structural Engineer responsible for overseeing the design of prefabrication building by the structural team. Provided design loading data, and design criteria, scheduling, and specification. He monitored, and performed quality control of the structural products, evaluated structural design submittal of each phase, and provide comments. He reviewed the QA/QC of the fabricator and control cost and schedule of the structural product.</p> <p>TSA CANINE ACADEMY TRAINING PROJECT JBSA LACKLAND, TX Structural Engineer responsible for performing full structural design for overall design quality of the New 25,000 SF of Academy Training facility. He was responsible for the QAQC review, evaluate comments and make sure all comments are addressed structural submittal scheduling, controlling budget, review of geotechnical report to verify the foundation designed, reviewed, and verified the structural design details.</p> <p>RENOVATION OF SIEGFRIED YOUTH CENTER BUILDING 4996 FORT POLK, LA Senior Structural Engineer, conducted site visit and prepared as-built drawings. He documented and reported the structure defects of the existing buildings. In the Statement of the Work for Design-Build RFP, he provided design review, and analysis of the Structure members and proposed solutions. Mr. Ghafar provided coordination between structural and architectural disciplines. He also participated in the Value Engineering Workshop and Design Charrette. Other responsibilities included: Structural review and QAQC of the submittals, and deliverables.</p>

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location and Owner's contact	Nature of Firm's Responsibility:	
<p style="text-align: center;">ARNETT W. "ACE" ATHLETIC FIELDHOUSE FACILITY LOCKER ROOM RENOVATION SOUTHERN UNIVERSITY A&M COLLEGE 801 HARDING BOULEVARD, BATON ROUGE, LA 70807</p> <p style="text-align: center;">PROJECT OWNER ICT Elite Enterprise LLC 4615 Southwest Freeway, STE. 805 Houston, TX 77027</p> <p style="text-align: center;">POINT OF CONTACT NAME Ivan Tompkins, CEO</p> <p style="text-align: center;">POINT OF CONTACT TELEPHONE NUMBER (832)707-2906</p>	<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 style="text-align: right; margin-top: 10px;">  </div> <div style="text-align: center; margin-top: 10px;">  </div> <div style="text-align: center; margin-top: 10px;">  </div>	
Completion Date (Actual or estimated)	Estimated Cost:	
March 2023 (Est.)	Entire Project:	Work for which Firm was Responsible
	\$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>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>	
	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
	December 2022	\$7 million

TEC Professional Services Questionnaire

PROJECT NO. 3		
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;">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; justify-content: space-around;">   </div>	
Completion Date (Actual or estimated)	Estimated Cost:	
2022	Entire Project:	Work for which Firm was Responsible
	\$10 million	\$240,000

TEC Professional Services Questionnaire

PROJECT NO. 4		
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. 	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
July 2022	\$1.5 million	\$75,000

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact	Description of Services Provided:	
<p>FACILITY CONDITION ASSESSMENT FOR FORT POLK ARMY BASE, LOUISIANA PROJECT OWNER Cardno 4600 Touchton Road East Bldg 100, Suite 120 Jacksonville, FL 32246 POINT OF CONTACT NAME Darrell Setser, PE 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>	
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. 6		
Project Name, Location and Owner's contact	Description of Services Provided:	
<p style="text-align: center; margin: 0;"> 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; margin: 10px 0;">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> <div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <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. </div> <div style="flex: 0.5; text-align: center;">  </div> </div>	
Completion Date (Actual or estimated)	Estimated Cost:	
2020	Entire Project:	Work for which Firm was Responsible
	\$9.1 million	\$403,118.95

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact	Description of Services Provided:	
<p style="text-align: center;">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: #0070c0;">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; margin-top: 10px;">    </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

PROJECT NO. 8		
Project Name, Location and Owner's contact	Description of Services Provided:	
<div style="text-align: center;"> <p>MILITARY WORKING DOG KENNEL/SUPPORT FACILITY AT FORT SAM HOUSTON (FSH), JOINT BASE SAN ANTONIO (JBSA), TEXAS</p> <p>PROJECT OWNER</p> <p>USACE Fort Worth District</p> <p>POINT OF CONTACT NAME</p> <p>Ms. Linda D. Eadie</p> <p>POINT OF CONTACT PHONE NUMBER</p> <p>(817)886-1085</p> </div>	<p style="text-align: center; color: #4169e1;">Project Description</p> <p>The design intend of the project is to design and construct a Military Working Dog Kennel/Support Facility at Fort Sam Houston Base. The proposed construction will provide an access-controlled Military Working Dog kennel/support facility consisting of an MWD administrative building, MWD kennel (10 dog min.), two separates screened MWD outdoor brake areas, separate screened outdoor obedience training/obstacle course, separate exterior storage building, and a separate explosives storage building. Site improvements included clear/grub, grading, landscaping, utility connections, access road/parking to support personnel, supply deliveries, Search and Operational Response Teams.</p> <p>As Prime Consultant to the USACE, EJES provided Statement of design work to this large/complex multi-discipline service located on the Fort Polk Army Base. The designated Building is more than 4,000 SF.</p> <p>The drawings consist of updating as-built drawings, demolition, site fencing, site plan, storm drainage, Site Utilities, Architectural, Interior Design, Structural, Mechanical/Plumbing, Electrical, Fire Protection, Telephones/Computers/CCTV/Intrusion Detection/Mass Notification, Control System Cyber security. After the Initial Phases of project, EJES conducted a Design Charrette with the users and USACE, and established concepts and approaches of design. EJES has outlined the architectural renovation style (look, feel, colors) of adjacent facilities and the Installation's Property Master Plan and Area Design Guide.</p> <p>EJES provided design and construction 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 floor plans, elevations, and details.</p> <ul style="list-style-type: none"> ◆ <u>Criteria and Codes:</u> For the design project EJES used all applicable standards such as UFCs, UFGS 25-05-11, Engineering Regulation (ER) 1110-345-723, and ECB. The UFC codes 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. ◆ <u>Cost Estimating:</u> 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. ◆ <u>Value Engineering:</u> EJES conducted a one-week Value Engineering workshop to validate the project cost. ◆ <u>Fire Protection and Life Safety:</u> EJES determined installation specific Fire Alarm Control Panel and Knox Box requirements. EJES also determined fire protection system requirements following determination of water system supply pressure/capacity. 	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
Feb 2022	\$7.2M	\$601,303

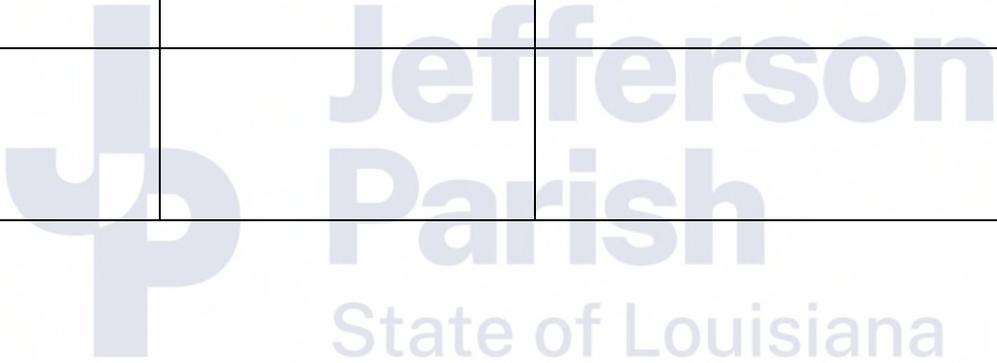
TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact	Description of Services Provided:	
<div style="text-align: center;"> <p>TSA CANINE ACADEMY PROJECT JBSA LACKLAND, TX <small>PROJECT OWNER</small> USACE Fort Worth District <small>POINT OF CONTACT NAME</small> James Richardson <small>POINT OF CONTACT PHONE NUMBER</small> (817)886-1533</p> </div>	<p style="text-align: center; color: #0056b3;">Project Description</p> <p>EJES, Incorporated provided Architectural and Engineering services as required to develop the Canine Academy Project. The project was intended to be used as a planning document for evaluating potential options available to the Government to address the operation requirements and challenges for the subject facility.</p> <p>The Existing Canine Academy training currently houses 90 employees and users. The Client needed to expand the building capacity to 140 users. The existing facility includes Classrooms, Administrative Offices, a Multi-purpose room/auditorium, cubicles for trainers and staff, and miscellaneous other support spaces. EJES Scope of work was to come up with design alternatives to accommodate 140 users. During the Charrette, the team attended the Army Corp and Air Force Base team meetings and presented three (3) design Option. EJES provided mechanical, Electrical, Plumbing, Structure Engineering calculations, sketches and drawings for the Project. At each Phase of Project, a Cost estimate was provided by EJES team and submitted for the client's review. Structure engineers provided 3D /BIM modeling for each design Options and submitted Structure design analyses and review of each Option. The Civil engineers of the team reviewed the Site Plan / Addition options, studied the drainage, and analyzed Project's security and Site issues. The Project final 35% Design drawings was submitted to client in July 2019.</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2020	Unknown	\$195,551

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

CRITERIA 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	Registration #/State	Total Yrs
Principal-in-Charge	Edwin B. Jones	BS/Civil Engineering MBA/Operations Management	PE	27489/ LA 82682/ TX 15821/ MS	30
Project Principal/ Project Manager	Gary Mirak	BS/Architecture MS/Architecture	RA, NCARB, LEED	7646/ LA 16618/ TX 72536/ NARB	30
Public Involvement	Reginald Crear	BS/Marketing			14
QA/QC Manager	Gary Mirak	BS/ Architecture MS/ Architecture	RA, NCARB, LEED	7646/ LA 16618/ TX 72536/ NARB	30
Architects	Matthew Ford	BS/Architecture	RA		30
	Reza Zandi	MS/Architecture			20
	Hamed Yekita	MArch/Architecture			8
MEP Designer	Mathew Sampson	BS/Mechanical Engineering			5
Structural Engineer	Max Ghafar	BS/ Civil Engineering MS/ Structural Engineering	PE	56192/ TX	13
Civil Engineer	Tanita Baker-Gilbert	BS/ Civil Engineering Executive MBA	PE	329350/ LA 88719/ TX	25
Civil Designer	Shirley Wilson	BS/ Civil Engineering	EI	27786/ LA	
CADD Support	Brian Joseph	BS/Mechanical Engineering	EI	20836/LA	20
	Nicholas LaValla	BS/Civil Engineering	EI	34919/LA	5
Administrative	Kinni Farve	BS, Marketing			4

CRITERIA 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	18
Non-Registered Engineers	10
Draftspersons, Inspectors, Technicians	6
Licensed Architects	2
Non-Registered Architects	4
Non-Technical Personnel	12
Environmental Professionals	1
Other	15

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	Civil /Structural Engineering	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 QA/QC Manager	◆	◆	◆	◆			◆		◆	◆
Matthew Ford, RA, LEED AP	◆	◆	◆	◆						
Reza Zandi	◆			◆			◆			
Hamed Yekita				◆				◆		
Tanita Gilbert-Baker, PE, MBA					◆					
Merdad Ghafar, PE					◆			◆		
Shirley Wilson, EI					◆	◆				
Brian Joseph, EI					◆	◆		◆		
Nicholas LaValla, EI								◆		
Matthew Sampson						◆				
Reginald Crear									◆	

CRITERIA 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%
Matthew Ford, RA, LEED AP	Senior Architect	40%	60%
Reza Zandi	Architectural Designer	40%	60%
Hamed Yekita	Architectural Designer	40%	60%
Brian Joseph, EI	CADD	30%	70%
Nicholas LaValla, EI	CADD	30%	70%
Matthew Sampson	Mechanical Designer	30%	70%
Max Ghafar	Senior Structural Engineer	60%	40%
Tanita Baker-Gilbert, PE, MBA	Senior Civil Engineer	60%	40%
Shirley Wilson, EI	Senior Civil Designer	40%	60%
Reginald Crear	Public Involvement	40%	60%

TEC Professional Services Questionnaire

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, particularly with regard to the State of Louisiana.

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.

CRITERIA 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 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
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

CRITERIA 5- LOCATION OF PRINCIPAL OFFICE

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

CRITERIA 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.

CRITERIA 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: March 29, 2023

FIRM



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

Name:	Public Address:
EJES, Incorporated	201 Wilkinson Street Shreveport, Louisiana 71104

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0002603	Active	10/17/2000	03/31/2025	Mrs. Tanita Melann Gilbert-Baker # PE.0029350

[Print](#) [Close](#)

9643 Brookline Avenue | Suite 121 | Baton Rouge, LA 70809-1433
225-925-6291 | Fax 225-925-6292

EJES, INCORPORATED 201 Wilkinson Street Shreveport LA, 71104 (318) 670-7275 jjohnson@ejesinc.com	License # AE0189 Status: Active Issue Date: 5/26/2009 Expiration Date: 6/30/2023
---	---

INDIVIDUAL PROFESSIONALS

GHADER AFSHARI-MIRAK EJES, INCORPORATED 12801 N. Central Expressway Suite 700 Dallas TX, 75243 (214) 343-1210 gmirak@ejesinc.com	License #7646 Date of Licensure: 4/27/2012 Expiration Date: 12/31/2023 Status: Active
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EJES PROFESSIONAL LICENSE



**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Edwin Bernard Jones

License/Certificate Type - Number	Expiration Date
PE.0027489	03/31/2024
Status: Active	



**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mrs. Tanita Melann Gilbert-Baker

License/Certificate Type - Number	Expiration Date
PE.0029350	03/31/2025
Status: Active	



Ford, Matthew W.

Profession:	Architect
Registration No.:	24198
License Status:	Active
Firm Name:	Firm Not Published
Address:	Address Not Published
Original Issue:	05/14/2014
Lic. Expiration:	02/29/2024



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ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
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Mr. Bryan Keith Joseph

License/Certificate Type - Number	Expiration Date
EI.0020836	09/30/2023
Status: Active	



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9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
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Mr. Nicholas Anthony LaValla

License/Certificate Type - Number	Expiration Date
EI.0034919	03/31/2024
Status: Active	



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(LAPELS)**
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Ms. Shirley DeRose Wilson

License/Certificate Type - Number	Expiration Date
EI.0027786	03/31/2024
Status: Active	



PE Roster

Search our roster of Professional Engineers (PEs).

This roster only lists PEs who have a renewable license. Once a PE license has been expired for 2 or more years it becomes non-renewable and will not be listed on the roster. Names are listed as **last, first middle suffix** and ordered alphabetically by last name.

Page:

1

Updated on:

3-28-2023

Matches:

1

GHAFAR, MERDAD NEJAT

PE# 56192

Status	Branch(s)	Granted	Expires	Employer(s)	Address/Phone
Active	Structural	09-17-1984	06-30-2023	EJES NEJAT GROUP	2110 Hogan DR. Irving TX 75038 PH#: 972.977.9995

TEC PROFESSIONAL SERVICES QUESTIONNAIRE



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

**Design and Construction Administration of a New East Bank
Jefferson Parish Animal Adoption & Services Facility**

SOQ 23-006 | Resolution No. 141465

B. Firm Name & Address:



BFM
CORPORATION, LLC
Professional Land & Hydrographic Surveying

BFM Corporation, LLC
15 Veterans Memorial Boulevard
Kenner LA 70062

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:

Chad M. Poché, P.E., Executive Vice President
504-468-8800 • 504-460-5239 cell • cpoche@bfmcorporation.com
Registered Professional Civil Engineer, Louisiana No. 27667 (since 1998)

D. Name, title, & 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.

Ralph P. Fontcuberta, Jr., Executive Vice President • LA License No. 4329 (1974)
504-468-8800 • 504-451-7500 cell • ralph@bfmcorporation.com
Registered Professional Land Surveyor, Louisiana No. 4329 (since 1974)

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

4 Administrative	- Estimators	- Specification Writers
- Architects (Licensed)	- Geologists	- Structural Engineers
- Chemical Engineers	1 Geotechnical Engineers	- Graduate Engineers
- Civil Engineers	- Interior Designers	2* Project Managers
- Construction Inspectors	- Landscape Architects	- Clerical (<i>see Administrative</i>)
- Ecologists	- Land Surveyor (<i>see PLS</i>)	- Grant/Funding Specialist
- Electrical Engineers	- Mechanical Engineers	- Sanitary Engineers
- Engineer Intern	- Environmental Engineers	1 Principals
2 Professional Land Surveyors		1 Researcher/Archivist
		3 Drafting/AutoCADD
		5 Survey Crew Chiefs
		6 Instrument Men
		24 TOTAL

* Project Manager also noted in Professional Land Surveyor, but overall employee count is correct.

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 a JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. please attach additional pages if necessary.

1. N/A

2.

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

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

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

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

24 (all personnel, primary and support, will be available on all assigned projects)

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., résumé) that demonstrates the employment history 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:

Ralph P. Fontcuberta, Jr., PLS
Executive Vice President

Project Assignment:

Registered Professional Land Surveyor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

41 years (Founding Principal of BFM in 1982); 56 years total (1967)
Gulf South Engineering and Testing, Inc. | 2017 to present
BFM Corporation, LLC | 1982 to present
Surveys, Inc. | 1967 to 1982
The Boeing Company | 1964 to 1967

Education: Degree(s)/Year/Specialization:

Coursework, Building, Delgado College, New Orleans
Coursework, Math, University of New Orleans

Active registration: Year first registered/discipline:

1974, Professional Land Surveyor (Louisiana Lic. No. 4329)
1974, Professional Land Surveyor (Mississippi Lic. No. 1633)

Other experience and qualifications relevant to the proposed Project:

Ralph P. Fontcuberta, Jr., PLS has provided services on an almost incalculable number of surveying projects throughout southeastern Louisiana in the past half century and has been a registered Professional Land Surveyor (PLS) since 1974. He is thoroughly knowledgeable in all aspects of surveying: topographic, hydrographic, boundary, right-of-way surveying, and all facets thereof. He has provided surveying services for residential, plant, and industrial layout projects, ranging from small private lots & buildings to multi-million-dollar programs, including the New Orleans FEMA Streets/Recovery Roads Program. Since the beginning of his career, his work has entailed computations, drafting, and field work for various industrial, commercial, municipal, and private clients.

Project work has included topographic surveying needed for a wide variety of engineering, architectural, construction, and other related endeavors. This work has included projects for numerous branches of

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Ralph P. Fontcuberta, Jr., PLS (continued)

virtually every regional city/parish/town government, multiple State agencies (LA Dept. of Natural Resources (LADNR)/Coastal Protection & Restoration Administration (CPRA), LA Dept. of Transportation & Development (LADOTD), MS Dept. of Transportation (MDOT), and others), Federal agencies (U.S. Army Corps of Engineers (USACE), Dept. of the Navy, etc.), private/public companies (Entergy, BellSouth, Cox Cable, etc.), and numerous other public/private entities.

Mr. Fontcuberta's **surveying experience with Jefferson Parish can be traced back to BFM's inception in 1982**, and before then while working as a surveyor with another firm. He has over half a century of experience with surveying throughout the region and **specifically with Jefferson Parish**. He has served as the PLS for projects throughout every corner of Jefferson Parish. Relevant project history includes, but is certainly not limited to, the following:

- *New West Bank Animal Shelter, Jefferson Parish, LA*
- *Parc Des Familles Visitor Center (Proposed Location Survey), Jefferson Parish, LA*
- *Clancy-Maggiore Elementary School for the Arts Survey, Kenner, Jefferson Parish, LA*
- *Marrero Wastewater Treatment Plant Operations Building, Jefferson Parish, LA*
- *Proposed Lafreniere Food Pavilion, Lafreniere Park, Metairie, Jefferson Parish, LA*
- *Haynes Academy School, Metairie, Jefferson Parish, LA*
- *Rivarde Maintenance Facility, Jefferson Parish, LA*
- *Jefferson Parish Department of Public Works (DPW) Maintenance Building, Jefferson Parish, LA*
- *Site Specific Topographic Surveys for Multiple School Locations, Jefferson Parish, LA*
- *East Jefferson General Hospital, Metairie, Jefferson Parish, LA*
- *East Jefferson High School Courtyard Improvements, Metairie, Jefferson Parish, LA*
- *Lasalle Rest Room Building, Jefferson Parish, LA*
- *Medical Building Ground Lease Area, East Jefferson General Hospital, Jefferson Parish, LA*
- *West Jefferson Medical Center, Marrero, Jefferson Parish, LA*
- *Fire Station No. 12, Jefferson Parish, LA*
- *Jefferson Parish Recreation Department Office, Metairie, Jefferson Parish, LA*
- *Parish-Wide Safe House Program (Multiple Locations throughout the Parish), Jefferson Parish, LA*
- *Jefferson Parish Sheriff's Office at Parc Des Familles, Jefferson Parish, LA*
- *Jefferson Playground/Gym Building, Jefferson Parish, LA*
- *Administration Building (501 Manhattan Blvd), Jefferson Parish School System, Jefferson Parish, LA*
- *Fire Station, Edwards & Pepsi, Harahan, Jefferson Parish, LA*
- *Lafitte Arts Center, Jefferson Parish, LA*
- *West Jefferson Medical Center (WJMC) Emergency Generators, Jefferson Parish, LA*
- *West Bank Regional Library, Harvey, Jefferson Parish, LA*
- *Kings Grant Gymnasium Elevator Replacement, Marrero, Jefferson Parish, LA*
- *Government Complex Pocket Park, Jefferson Parish, LA*
- *Multipurpose Building at Mike Miley Playground, Jefferson Parish Parks & Recreation, LA*
- *Bridge City Fire Training Facility (Slab Certificate), Bridge City, Jefferson Parish, LA*

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Chad M. Poché, P.E.
Executive Vice President

Project Assignment:

Engineering Liaison

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

6 years (became partial owner of BFM in 2017); 30 years total (1993)
BFM Corporation, LLC | 2017 to present
Gulf South Engineering and Testing, Inc. | 2011 to present
Ardaman and Associates, Inc. | 2007 to 2011
Eustis Engineering | 1996 to 2001
Soil Testing Engineers, Inc. | 1993 to 1996

Education: Degree(s)/Year/Specialization:

M.S., 1998, Civil Engineering, University of New Orleans
B.S., 1993, Civil Engineering, Louisiana State University

Active registration: Year first registered/discipline:

Louisiana, Civil Engineer, No. 27667, 1998
Mississippi, Civil Engineer, No. 15405, 2002

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. is an Executive Vice President with (and partial owner of) BFM Corporation, LLC, and a co-founder of BFM's sister company, Gulf South Engineering and Testing, Inc. He has been a consulting geotechnical engineer for nearly 30 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for waste facilities and virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career.

Mr. Poché's experience includes the development of appropriate scopes of work and proposals for a broad range of projects; planning and coordinating analyses; preparing technical reports; foundation and geotechnical engineering design; construction recommendations; Miss. River facility permitting; managing personnel and office operations, and; serving as an Expert Witness. Mr. Poché has logged soil borings; overseen the installation of ground water monitoring wells, piezometers, and inclinometers; overseen

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); performed CMT field testing and inspection; and performed laboratory testing.

BFM Corporation projects overseen by Mr. Poché would include:

Parc Des Familles Visitor Center (Proposed Location Survey), Jefferson Parish, LA. BFM Corporation provided topographic surveying services to help establish the proposed project site for the Parc Des Familles Visitor Center, located at municipal #6101 Leo Kerner Lafitte Parkway in Marrero, LA. BFM provided Temporary Benchmark and Construction Benchmark for the site, as well as a topographic survey locating all utilities and man-made elements as well as natural objects (tress and ponds). Cross sections and Finished Floor Elevations (for the FEMA certificate) were also included. (\$16,590 (fee); 2018)

Proposed Lafreniere Food Pavilion, Lafreniere Park, Metairie, Jefferson Parish, LA. BFM prepared a site-specific topographic survey for the project site. The scope of services included location of utilities (water & sewer, lighting, power, cable, etc.), establishing a baseline, providing both Temporary Benchmark (TBM) and Construction Benchmark (CBM), locating existing improvements, natural elements, and other topographic features. (\$9,050 (fee); 2020)

Rivarde Maintenance Facility, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the Rivard Maintenance Facility project, located at 1651 Manhattan Boulevard in Harvey. Scope included establishing a baseline parallel to Manhattan Boulevard; setting TBM & CBM on or near the site; establishing cross sections on a 25 ft grid; FF elevations of all buildings. Product to be drawn so that a single R/W (right-of-way) is parallel to at least 1 edge of the sheet. (\$6,890 (fee); 2018)

Jefferson Parish Department of Public Works (DPW) Maintenance Building, Jefferson Parish, LA. BFM provided stake-out services (four corners) for the DPW Maintenance Building Site (755 S. Jefferson Davis Parkway). Additional project work included preparation of an As-Built Survey of the project site. The scope of services included location and provision of top of casting elevations for the 11 drainage structures as noted on the owner's project sheets. Spot elevations were taken at 25-foot intervals within the limits of survey. (\$4,450 (fee); 2020)

Site Specific Topographic Surveys for Multiple School Locations, Jefferson Parish, LA. BFM prepared site-specific topographic surveys for twelve separate Jefferson Parish school locations throughout the Parish. The scope of services included establishing the nearest property line to the area being surveyed at each school, establishing a construction benchmark, location of specific existing improvements within the Limits of Survey at each location as well as location of trees. Spot elevations were taken. Certificates prepared included a Construction Benchmark Certificate, a Top of Form Certificate and Sketch, a Top of Slab Certificate, and a Final FEMA Elevation Certificate. (\$47,461 (fee); 2020)

East Jefferson General Hospital, Metairie, Jefferson Parish, LA. BFM's scope of services for the project involved a boundary survey with sidewalk location, covering the area along the northerly side of Ithaca at the westernmost driveway-accessing parking lot. Spot elevations were taken at 5 ft. intervals. Property corners were also located in the survey. (\$2,275 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

John Philip Thayer
Field Operations Supervisor

Project Assignment:

Field Operations Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

15 years (joined BFM in 2008); 16 years total (2007)
BFM Corporation, LLC | 2008 to present
Delle Land Surveying | 2007 to 2008

Education: Degree(s)/Year/Specialization:

B.S., 2007, Physical Education, Trevecca Nazarene University

Active registration: Year first registered/discipline:

Professional Land Surveyor Registration in process, State of Louisiana

Other experience and qualifications relevant to the proposed Project:

Phil Thayer is a Field Operations Supervisor with more than 15 years experience in field surveying services, including ALTA/as-built surveying, construction layout, boundary, topographic, cross-sections, GPS use, and numerous other surveying types.

Jefferson Parish Department of Public Works (DPW) Maintenance Building, Jefferson Parish, LA. BFM provided stake-out services (four corners) for the DPW Maintenance Building Site (755 S. Jefferson Davis Parkway). Additional project work included preparation of an As-Built Survey of the project site. The scope of services included location and provision of top of casting elevations for the 11 drainage structures as noted on the owner's project sheets. Spot elevations were taken at 25-foot intervals within the limits of survey. (\$4,450 (fee); 2020)

East Jefferson General Hospital, Metairie, Jefferson Parish, LA. BFM's scope of services for the project involved a boundary survey with sidewalk location, covering the area along the northerly side of Ithaca at the westernmost driveway-accessing parking lot. Spot elevations were taken at 5 ft. intervals. Property corners were also located in the survey. (\$2,275 (fee); 2019)

Multipurpose Building at Mike Miley Playground, Jefferson Parish Parks & Recreation, LA. BFM provided topographic surveying services. (\$3,078 (fee); 2009)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

John Philip Thayer (continued)

Proposed Lafreniere Food Pavilion, Lafreniere Park, Metairie, Jefferson Parish, LA. BFM prepared a site-specific topographic survey for the project site. The scope of services included location of utilities (water & sewer, lighting, power, cable, etc.), establishing a baseline, providing both Temporary Benchmark (TBM) and Construction Benchmark (CBM), locating existing improvements, natural elements, and other topographic features. (\$9,050 (fee); 2020)

Haynes Academy School, Metairie, Jefferson Parish, LA. BFM prepared a Site Specific Topographic Survey for the project site at Haynes Academy School (part of the Bath Subdivision), located at 1416 Metairie Road. Project elements focused on boundary surveying, improvements throughout the campus, and notably locating the gym class fence. Scope included horizontal & vertical control, TBMs, and location of existing improvements & utilities, piping, and trees. Cross sections were taken, and a finished floor elevation provided of adjacent buildings. Deliverables included print & AutoCAD files. (\$8,400 (fee); 2019)

Multipurpose Building at Mike Miley Playground, Jefferson Parish Parks & Recreation, LA. BFM provided topographic surveying services. (\$3,078 (fee); 2009)

Parc Des Familles Visitor Center (Proposed Location Survey), Jefferson Parish, LA. BFM Corporation provided topographic surveying services to help establish the proposed project site for the Parc Des Familles Visitor Center, located at municipal #6101 Leo Kerner Lafitte Parkway in Marrero, LA. BFM provided Temporary Benchmark and Construction Benchmark for the site, as well as a topographic survey locating all utilities and man-made elements as well as natural objects (tress and ponds). Cross sections and Finished Floor Elevations (for the FEMA certificate) were also included. (\$16,590 (fee); 2018)

New Construction (9 Lots), Jefferson Parish, LA. BFM's surveying services included boundary survey and construction benchmark (CBM) of nine total lots, including top of slab/pier and FEMA Elevation Certificates. (Tract A, Lafreniere Plantation, Southeastern District, Section 42 & 43, T12S-R10E, Jefferson Parish, 700 Elise Avenue, Metairie, LA). Additional survey work executed in 2020 included Lot S-12-A6 (Elmwood Lafreniere Plantation). (\$6,200 (fee); 2020)

Parish School Board Facilities Building Complex, Gretna, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the Parish School Board Facilities Building Complex at 4600 River Road. (\$15,238 (fee); 2009)

Lincoln Elementary School, Marrero, Jefferson Parish Public Schools, Jefferson Parish, LA. BFM provided topographic surveying services for a project at Lincoln Elementary School, located at 1429 Ames Boulevard in Marrero. Survey was requested by John O'Connor of Hewitt-Washington & Associates. (\$18,160 (fee); 2009)

Rivarde Maintenance Facility, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the Rivard Maintenance Facility project, located at 1651 Manhattan Boulevard in Harvey. Scope included establishing a baseline parallel to Manhattan Boulevard; setting TBM & CBM on or near the site; establishing cross sections on a 25 ft grid; FF elevations of all buildings. Product to be drawn so that a single R/W (right-of-way) is parallel to at least 1 edge of the sheet. (\$6,890 (fee); 2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Gary J. Lambert, Jr., PLS
Registered Professional Land Surveyor

Project Assignment:

Registered Professional Land Surveyor; Project Manager/Drafting Supervisor

Name of Firm with which associated:

B^FM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

5 years (joined BFM in 2018); 12 years total
BFM Corporation, LLC | 2018 to present
Riverlands Surveying | 2016 to 2018
Bertucci Contracting | 2011 to 2016

Education: Degree(s)/Year/Specialization:

B.S., 2018, Geomatics, Nicholls State University
B.S., 2014, Construction Management, Louisiana State University

Active registration: Year first registered/discipline:

2021, Professional Land Surveyor (Louisiana Lic. No. 5929)

Other experience and qualifications relevant to the proposed Project:

Gary J. Lambert, Jr., is a registered Professional Land Surveyor in Louisiana and provides Project Management and Drafting Oversight for BFM Corporation. He is the first point of contact for clients on technical matters, scheduling, and deliverables for project work, and conducts meetings with engineering, architectural, and government officials to discuss various project needs. His project work has encompassed all manner of surveying services, from basic home lots to 100+ acre tract boundary surveys.

In the field, Mr. Lambert has provided services as a Survey Crew Chief, using both traditional and robotic surveying methods, since the start of his professional career, and has experience with Leica, Hypack, AutoCAD, AutoCAD 3D, Trimble, and RTK surveying technologies. He further trains employees in the use of an aerial drone, laser scanner, and remote-controlled hydrographic survey boat. This survey experience includes topographic, boundary, ALTA/NSPS, FEMA, and various construction surveying. Mr. Lambert has also conducted hydrographic surveys in the Mississippi River and various other bodies of water throughout the Gulf Coast area.

Mr. Lambert has completed Basic OSHA Training and holds license with the Gulf Coast Safety Council (08SSV, ID429523).

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Gary J. Lambert, Jr., PLS (continued)

Jefferson Parish Department of Public Works (DPW) Maintenance Building, Jefferson Parish, LA. BFM provided stake-out services (four corners) for the site (755 S. Jefferson Davis Parkway). Additional project work included preparation of an As-Built Survey of the project site. The scope of services included location and provision of top of casting elevations for the 11 drainage structures as noted on the owner's project sheets. Spot elevations were taken at 25-foot intervals within the limits of survey. (\$4,450 (fee); 2020)

Rivarde Maintenance Facility, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the Rivard Maintenance Facility project, located at 1651 Manhattan Boulevard in Harvey. Scope included establishing a baseline parallel to Manhattan Boulevard; setting TBM & CBM on or near the site; establishing cross sections on a 25 ft grid; FF elevations of all buildings. Product to be drawn so that a single R/W (right-of-way) is parallel to at least 1 edge of the sheet. (\$6,890 (fee); 2018)

Parc Des Familles Visitor Center (Proposed Location Survey), Jefferson Parish, LA. BFM Corporation provided topographic surveying services to help establish the proposed project site for the Parc Des Familles Visitor Center, located at municipal #6101 Leo Kerner Lafitte Parkway in Marrero, LA. BFM provided Temporary Benchmark and Construction Benchmark for the site, as well as a topographic survey locating all utilities and man-made elements as well as natural objects (tress and ponds). Cross sections and Finished Floor Elevations (for the FEMA certificate) were also included. (\$16,590 (fee); 2018)

5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA. BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. All information associated with the lift station was obtained by BFM; this included top of casting elevation, pipe size/type, direction, and invert elevations. BFM also provided the Finished Floor Elevation of the lift station building and elevation of the electrical slab associated with it. Deliverables included hardcopy and AutoCAD DWG format files. (\$6,790 (fee); 2019)

East Jefferson General Hospital, Metairie, Jefferson Parish, LA. BFM's scope of services for the project involved a boundary survey with sidewalk location, covering the area along the northerly side of Ithaca at the western-most driveway-accessing parking lot. Spot elevations were taken at 5 ft. intervals. Property corners were also located in the survey. (\$2,275 (fee); 2019)

Site Specific Topographic Surveys for Multiple School Locations, Jefferson Parish, LA. BFM prepared site-specific topographic surveys for twelve separate Jefferson Parish school locations throughout the Parish. The scope of services included establishing the nearest property line to the area being surveyed at each school, establishing a construction benchmark, location of specific existing improvements within the Limits of Survey at each location as well as location of trees. Spot elevations were taken. Certificates prepared included a Construction Benchmark Certificate, a Top of Form Certificate and Sketch, a Top of Slab Certificate, and a Final FEMA Elevation Certificate. (\$47,461 (fee); 2020)

Proposed Lafreniere Food Pavilion, Lafreniere Park, Metairie, Jefferson Parish, LA. BFM prepared a site-specific topographic survey for the project site. The scope of services included location of utilities (water & sewer, lighting, power, cable, etc.), establishing a baseline, providing both Temporary Benchmark (TBM) and Construction Benchmark (CBM), locating existing improvements, natural elements, and other topographic features. (\$9,050 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Christopher Lemley
Quality Control Supervisor

Project Assignment:

Quality Control Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

9 years (joined BFM in 2014); 17 years total (2006)
BFM Corporation, LLC | 2014 to present
G.E.C., Inc. | 2010 to 2014
Krebs, LaSalle, LeMieux Consultants, Inc. | 2006 to 2010

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Chris Lemley's services as BFM's Quality Control Supervisor includes overseeing all work and activity by company personnel. His surveying experience includes over 8 years as a Survey Crew Chief. His survey software experience includes projects involving Trimble, Topcon, Leica, and Hypack, and has maintained and operated GPS, Auto-Level, and Total Station. Notable past project work has included the New Orleans Museum of Art, Jackson Barracks Restoration, US Highway 11, NASA Michoud Cells 3 & 4, the St. Bernard Lot Next Door Program, and multiple Orleans Parish School Recovery projects (including L.B. Landry, George Washington Carver, and Alice M. Harte schools).

Clancy-Maggiore Elementary School for the Arts, Kenner, Jefferson Parish, LA. BFM provided boundary surveying services for the project, located at 2100 Maine Avenue in Kenner. The scope of services focused on improvements to the site. BFM researched all title data, established a closed traverse around the site, and set a TBM. Elevations were taken across the project site. Spot elevations were plotted, as well as the location of all improvements and topographic features. Utilities were located as were piping and trees/brush of a certain caliper. Deliverables included hardcopy and AutoCAD DWG format files. A later update to the project included a Form Board Certificate (FBC). (\$19,940 (fee); 2017)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Christopher Lemley (continued)

East Jefferson High School Courtyard Improvements, Metairie, Jefferson Parish, LA. BFM provided surveying to collect elevations and locate improvements on the interior courtyards of the East Jefferson High School campus. Improvements included drainage structures, sewer cleanouts, electrical boxes, etc. utilizing laser scanning (Leica C10 HDS). A plan view showing topographic features (trees, pavement, piping, etc.) and a contour map are part of the final deliverables for the product. (\$4,798 (fee); 2016)

Lasalle Rest Room Building, Jefferson Parish, LA. BFM prepared a boundary survey (with topographic services) for the project, elements of which included TBM, location of visible/below ground surface (BGS) utilities, research of record drawings, pipe location & determination of sizes/types, trees and other natural elements, etc. BFM further provided a construction benchmark (CBM) and all drawings (AutoCAD) as outlined. Later services included location of sewer manholes and lift station. (\$9,420 (fee); 2017)

Jefferson Parish Department of Public Works (DPW) Maintenance Building, Jefferson Parish, LA. BFM provided stake-out services (four corners) for the site (755 S. Jefferson Davis Parkway). Additional project work included preparation of an As-Built Survey of the project site. The scope of services included location and provision of top of casting elevations for the 11 drainage structures as noted on the owner's project sheets. Spot elevations were taken at 25-foot intervals within the limits of survey. (\$4,450 (fee); 2020)

Rivarde Maintenance Facility, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the Rivard Maintenance Facility project, located at 1651 Manhattan Boulevard in Harvey. Scope included establishing a baseline parallel to Manhattan Boulevard; setting TBM & CBM on or near the site; establishing cross sections on a 25 ft grid; FF elevations of all buildings. Product to be drawn so that a single R/W (right-of-way) is parallel to at least 1 edge of the sheet. (\$6,890 (fee); 2018)

Parc Des Familles Visitor Center (Proposed Location Survey), Jefferson Parish, LA. BFM Corporation provided topographic surveying services to help establish the proposed project site for the Parc Des Familles Visitor Center, located at municipal #6101 Leo Kerner Lafitte Parkway in Marrero, LA. BFM provided Temporary Benchmark and Construction Benchmark for the site, as well as a topographic survey locating all utilities and man-made elements as well as natural objects (tress and ponds). Cross sections and Finished Floor Elevations (for the FEMA certificate) were also included. (\$16,590 (fee); 2018)

East Jefferson General Hospital, Metairie, Jefferson Parish, LA. BFM's scope of services for the project involved a boundary survey with sidewalk location, covering the area along the northerly side of Ithaca at the westernmost driveway-accessing parking lot. Spot elevations were taken at 5 ft. intervals. Property corners were also located in the survey. (\$2,275 (fee); 2019)

Site Specific Topographic Surveys for Multiple School Locations, Jefferson Parish, LA. BFM prepared site-specific topographic surveys for twelve separate Jefferson Parish school locations throughout the Parish. The scope of services included establishing the nearest property line to the area being surveyed at each school, establishing a construction benchmark, location of specific existing improvements within the Limits of Survey at each location as well as location of trees. Spot elevations were taken. Certificates prepared included a Construction Benchmark Certificate, a Top of Form Certificate and Sketch, a Top of Slab Certificate, and a Final FEMA Elevation Certificate. (\$47,461 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Thomas O. Wright
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

15 years (joined BFM in 2008); 46 years total (1977)
BFM Corporation, LLC | 2013 to present
Boh Bros Construction, LLC | 2012 to 2013
Landmark Surveying, Inc. | 2009 to 2011
Gilbert Southern Corp. | 2000 to 2008
PBS&J Corp. | 1997 to 1999

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

American Traffic Safety Service Assn. – Traffic Flagger/Control Technician/Control Supervisor
Basic OSHA Training - Completed
Transportation Work Identification Card (TWIC)

Other experience and qualifications relevant to the proposed Project:

Thomas Wright has over 45 years of experience in surveying services, including a multitude of project types (water, wastewater, storm water, drainage, roadway, etc.) and thousands of projects throughout the region. He has extensive Treasure Chest Casino, Kenner, Jefferson Parish, LA. BFM's services included boundary and topographic survey for the project site at the Treasure Chest Casino located on the lakefront in Kenner, Louisiana. BFM established baselines and temporary benchmarks, provided location of existing improvements and visible utilities, provided spot elevations at 25 ft. intervals within limits, and located property corners to establish right-of-way and boundaries. (\$65,940 (fee); 2021) e surveying experience throughout the City of New Orleans. He has multiple ATSSA (American Traffic Safety Service Association) certifications (including Traffic Control Technician, Traffic Control Supervisor, and Traffic Flagger), and has completed the Basic OSHA Training Course. He is also TWIC (Transportation Work Identification Card) certified.

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Thomas O. Wright (continued)

New West Bank Animal Shelter, Jefferson Parish, LA. BFM Corporation provided topographic surveying services for the proposed animal shelter site located at the corner of Lapalco Boulevard and Peters Road. Scope included establishing a TBM, providing minimum slab elevation (FEMA), taking elevations throughout the site, and locating property lines and noting adjoining ROWs. Improvements were located within the designated limits of survey, as were above & below-ground utilities. The survey provided the location of existing storm sewer and sanitary sewer structures. Spot elevations on paving or other hard surfaces were also plotted. For natural elements, BFM located specimen trees and outlined massed trees, shrubs, and undergrowth. Deliverables included hardcopy and DWG format files. (\$5,800 (fee); 2014)

Treasure Chest Casino, Kenner, Jefferson Parish, LA. BFM's services included boundary and topographic survey for the project site at the Treasure Chest Casino located on the lakefront in Kenner, Louisiana. BFM established baselines and temporary benchmarks, provided location of existing improvements and visible utilities, provided spot elevations at 25 ft. intervals within limits, and located property corners to establish right-of-way and boundaries. (\$65,940 (fee); 2021)

Site Specific Topographic Surveys for Multiple School Locations, Jefferson Parish, LA. BFM prepared site-specific topographic surveys for twelve separate Jefferson Parish school locations throughout the Parish. The scope of services included establishing the nearest property line to the area being surveyed at each school, establishing a construction benchmark, location of specific existing improvements within the Limits of Survey at each location as well as location of trees. Spot elevations were taken. Certificates prepared included a Construction Benchmark Certificate, a Top of Form Certificate and Sketch, a Top of Slab Certificate, and a Final FEMA Elevation Certificate. (\$47,461 (fee); 2020)

Parc Des Familles Visitor Center (Proposed Location Survey), Jefferson Parish, LA. BFM Corporation provided topographic surveying services to help establish the proposed project site for the Parc Des Familles Visitor Center, located at municipal #6101 Leo Kerner Lafitte Parkway in Marrero, LA. BFM provided Temporary Benchmark and Construction Benchmark for the site, as well as a topographic survey locating all utilities and man-made elements as well as natural objects (trees and ponds). Cross sections and Finished Floor Elevations (for the FEMA certificate) were also included. (\$16,590 (fee); 2018)

Proposed Lafreniere Food Pavilion, Lafreniere Park, Metairie, Jefferson Parish, LA. BFM prepared a site-specific topographic survey for the project site. The scope of services included location of utilities (water & sewer, lighting, power, cable, etc.), establishing a baseline, providing both Temporary Benchmark (TBM) and Construction Benchmark (CBM), locating existing improvements, natural elements, and other topographic features. (\$9,050 (fee); 2020)

Marrero Wastewater Treatment Plant Operations Building, Jefferson Parish, LA. BFM Corporation provided surveying services for the project, located on the West Bank of Jefferson Parish in Marrero. BFM's scope of services included obtaining title data, supplementing with courthouse research as needed. The field survey involved plotting of servitudes and location of improvements, as well as utilities and drainage. Data from the field survey was processed and compared with the title information. Boundary surveying included monumentation and establishing both temporary benchmarks & construction benchmark as well as surveying elevations. Deliverables included indelible prints and AutoCAD DWG format drawing files. (\$8,573 (fee); 2015)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Curtis “Jay” Barrios
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

B²F²M CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

33 years (joined BFM in 1990); 33 years total (1990)
BFM Corporation, LLC | 1990 to present
Benson Mercedes Benz | 1989 to 1990
SECO Electric | 1987
Frishhertz Electric | 1986 to 1987
Plain Construction | 1985 to 1986

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

American Traffic Safety Service Assn. – Traffic Flagger
Transportation Work Identification Card (TWIC)

Other experience and qualifications relevant to the proposed Project:

Jay Barrios' surveying experience includes boundary, hydrographic, and topographic. He has been the Survey Crew Chief for thousands of projects and is one of the more experienced surveyors in the area. Further, Mr. Barrios has been involved on major transmission projects for Entergy and South Central Bell (AT&T). He is American Traffic Safety Service Association certified as a Traffic Flagger, and is Transportation Work Identification Card (TWIC) certified.

Clancy-Maggiore Elementary School for the Arts, Kenner, Jefferson Parish, LA. BFM provided boundary surveying services for the project, located at 2100 Maine Avenue in Kenner. The scope of services focused on improvements to the site. BFM researched all title data, established a closed traverse around the site, and set a TBM. Elevations were taken across the project site. Spot elevations were plotted, as well as the location of all improvements and topographic features. Utilities were located as were piping and trees/brush of a certain caliper. Deliverables included hardcopy and AutoCAD DWG format files. A later update to the project included a Form Board Certificate (FBC). (\$19,940 (fee); 2017)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Curtis "Jay" Barrios (continued)

Lasalle Rest Room Building, Jefferson Parish, LA. BFM prepared a boundary survey (with topographic services) for the project, elements of which included TBM (Temporary Benchmarks), location of visible/below ground surface (BGS) utilities, research of record drawings, pipe location & determination of sizes/types, trees and other natural elements, etc. BFM further provided a construction benchmark (CBM) and all drawings (AutoCAD) as outlined. Later services included location of sewer manholes and lift station. (\$9,420 (fee); 2017)

Jefferson Parish Department of Public Works (DPW) Maintenance Building, Jefferson Parish, LA. BFM provided stake-out services (four corners) for the DPW Maintenance Building Site (755 S. Jefferson Davis Parkway). Additional project work included preparation of an As-Built Survey of the project site. The scope of services included location and provision of top of casting elevations for the 11 drainage structures as noted on the owner's project sheets. Spot elevations were taken at 25-foot intervals within the limits of survey. (\$4,450 (fee); 2020)

Rivarde Maintenance Facility, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the Rivard Maintenance Facility project, located at 1651 Manhattan Boulevard in Harvey. Scope included establishing a baseline parallel to Manhattan Boulevard; setting TBM & CBM on or near the site; establishing cross sections on a 25 ft grid; FF elevations of all buildings. Product to be drawn so that a single R/W (right-of-way) is parallel to at least 1 edge of the sheet. (\$6,890 (fee); 2018)

East Jefferson General Hospital, Metairie, Jefferson Parish, LA. BFM's scope of services for the project involved a boundary survey with sidewalk location, covering the area along the northerly side of Ithaca at the westernmost driveway-accessing parking lot. Spot elevations were taken at 5 ft. intervals. Property corners were also located in the survey. (\$2,275 (fee); 2019)

New Veterans Administration Hospital, First District, Orleans Parish, LA. BFM provided surveying services for the project. This included the general area around the building, South Galvez between Canal Street & Tulane Avenue, and a general survey of the existing infrastructure within the project limits. (\$88,944 (fee); 2010)

Parish-Wide Safe House Program, Jefferson Parish, LA. BFM provided surveying services associated with elevated safe houses at multiple locations throughout Jefferson Parish; this was part of a Parish-wide project to establish safe houses for pumping stations at multiple locations which will allow pump operators to safely remain at their station, ensuring the pumps continue to operate, during a hurricane event. (\$112,490 (fee); 2005 - 2007)

West Jefferson Medical Center, Marrero, Jefferson Parish, LA. BFM provided surveying services including staking and location of improvements. (\$6,900 (fee); 2005)

Grand Isle Multiplex Center, Jefferson Parish, LA. BFM provided boundary and topographic survey to provide elevations & right-of-way information. (\$13,600 (fee); 2004)

Jefferson Parish Administrative Building, Jefferson Parish, LA. BFM provided topographic surveying services for this project. (\$7,500 (fee); 2000)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Anthony Watson
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

12 years (joined BFM in 2011); 32 years total (1992)
BFM Corporation, LLC | 2011 to present
Krebs LaSalle Lemieux / GEC | 2008 to 2011
Doug Connally and Associates Land Surveying (Dallas, TX) | 1995-2008
Electrician | 1991 to 1995
City of Plano TX (Part-Time Drafting Services) | 1991

Education: Degree(s)/Year/Specialization:

Coursework - CAD, Avatech Solutions, Los Colinas, TX

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

Anthony Watson has experience as a draftsman/survey technician, having started his career as an intern with the Surveying Department of the City of Plano, Texas. His experience through the years includes manual and computer-aided drafting for a wide range of projects, ranging from small lot surveys to subdivisions to municipal treatment and private industrial plants. He has experience in all facets of surveying (boundary, topographic, ALTA/ACSM, plan & profile, etc.) in both drafting and field environments.

Site Specific Topographic Surveys for Multiple School Locations, Jefferson Parish, LA. BFM prepared site-specific topographic surveys for twelve separate Jefferson Parish school locations throughout the Parish. The scope of services included establishing the nearest property line to the area being surveyed at each school, establishing a construction benchmark, location of specific existing improvements within the Limits of Survey at each location as well as location of trees. Spot elevations were taken. Certificates prepared included a Construction Benchmark Certificate, a Top of Form Certificate and Sketch, a Top of Slab Certificate, and a Final FEMA Elevation Certificate. (\$47,461 (fee); 2020)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Anthony Watson (continued)

New West Bank Animal Shelter, Jefferson Parish, LA. BFM Corporation provided topographic surveying services for the proposed animal shelter site located at the corner of Lapalco Boulevard and Peters Road. Scope included establishing a TBM, providing minimum slab elevation (FEMA), taking elevations throughout the site, and locating property lines and noting adjoining ROWs. Improvements were located within the designated limits of survey, as were above & below-ground utilities. The survey provided the location of existing storm sewer and sanitary sewer structures. Spot elevations on paving or other hard surfaces were also plotted. For natural elements, BFM located specimen trees and outlined massed trees, shrubs, and undergrowth. Deliverables included hardcopy and DWG format files. (\$5,800 (fee); 2014)

Parc Des Familles Visitor Center (Proposed Location Survey), Jefferson Parish, LA. BFM Corporation provided topographic surveying services to help establish the proposed project site for the Parc Des Familles Visitor Center, located at municipal #6101 Leo Kerner Lafitte Parkway in Marrero, LA. BFM provided Temporary Benchmark and Construction Benchmark for the site, as well as a topographic survey locating all utilities and man-made elements as well as natural objects (tress and ponds). Cross sections and Finished Floor Elevations (for the FEMA certificate) were also included. (\$16,590 (fee); 2018)

Fulton Street Pump Station, Jefferson Parish, LA. BFM Corporation provided boundary with topographic survey for the Fulton Street Pump Station project. The scope of services included establishing horizontal control, setting Temporary Benchmarks, and plotting the location of improvements & topographic elements (man-made and natural). BFM also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established. For the topographic survey, spot elevations did not exceed a 25-foot grid within the Limits of Survey and included bottom of canal elevations along adjacent wall. (\$11,890 (fee); 2017)

Jefferson Parish Department of Public Works (DPW) Maintenance Building, Jefferson Parish, LA. BFM provided stake-out services (four corners) for the DPW Maintenance Building Site (755 S. Jefferson Davis Parkway). Additional project work included preparation of an As-Built Survey of the project site. The scope of services included location and provision of top of casting elevations for the 11 drainage structures as noted on the owner's project sheets. Spot elevations were taken at 25-foot intervals within the limits of survey. (\$4,450 (fee); 2020)

Clancy-Maggiore Elementary School for the Arts, Kenner, Jefferson Parish, LA. BFM provided boundary surveying services for the project, located at 2100 Maine Avenue in Kenner. The scope of services focused on improvements to the site. BFM researched all title data, established a closed traverse around the site, and set a TBM. Elevations were taken across the project site. Spot elevations were plotted, as well as the location of all improvements and topographic features. Utilities were located as were piping and trees/brush of a certain caliper. Deliverables included hardcopy and AutoCAD DWG format files. A later update to the project included a Form Board Certificate (FBC). (\$19,940 (fee); 2017)

Proposed Lafreniere Food Pavilion, Lafreniere Park, Metairie, Jefferson Parish, LA. BFM prepared a site-specific topographic survey for the project site. The scope of services included location of utilities (water & sewer, lighting, power, cable, etc.), establishing a baseline, providing both Temporary Benchmark (TBM) and Construction Benchmark (CBM), locating existing improvements, natural elements, and other topographic features. (\$9,050 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Kevin A. Roberts
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

5 years (joined BFM in 2018); 38 years total (1985)
BFM Corporation, LLC | 2018 to present
J.V. Burkes and Associates | 2017 to 2018
Evans-Graves Engineers | 2003 to 2017
J. Ray McDermott | 2002 to 2003
MECO (Drafting Dept) | 2002 to 2003
Advanced Commercial Contracting (Drafting Dept) | 1999 to 2002
SOTEC (Drafting Dept) | 1999
UNO Purchasing & Physical Plant Depts. | 1985 to 1997

Education: Degree(s)/Year/Specialization:

A.D., 1999, Drafting & Design, Louisiana Technical College
Coursework, 1994-1997, Nunez Community College
Coursework, 1984-1988, Delgado Community College
Coursework, 1982-1983, University of New Orleans

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

Kevin Roberts has direct drafting experience with civil engineering, offshore engineering, water purification systems, and general architectural and construction design & terminology. He joined BFM in 2018 and provides drafting services to the firm.

Proposed Lafreniere Food Pavilion, Lafreniere Park, Metairie, Jefferson Parish, LA. BFM prepared a site-specific topographic survey for the project site. The scope of services included location of utilities (water & sewer, lighting, power, cable, etc.), establishing a baseline, providing both Temporary Benchmark (TBM) and Construction Benchmark (CBM), locating existing improvements, natural elements, and other topographic features. (\$9,050 (fee); 2020)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Kevin A. Roberts (continued)

Jefferson Parish Department of Public Works (DPW) Maintenance Building, Jefferson Parish, LA. BFM provided stake-out services (four corners) for the DPW Maintenance Building Site (755 S. Jefferson Davis Parkway). Additional project work included preparation of an As-Built Survey of the project site. The scope of services included location and provision of top of casting elevations for the 11 drainage structures as noted on the owner's project sheets. Spot elevations were taken at 25-foot intervals within the limits of survey. (\$4,450 (fee); 2020)

Rivarde Maintenance Facility, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the Rivard Maintenance Facility project, located at 1651 Manhattan Boulevard in Harvey. Scope included establishing a baseline parallel to Manhattan Boulevard; setting TBM & CBM on or near the site; establishing cross sections on a 25 ft grid; FF elevations of all buildings. Product to be drawn so that a single R/W (right-of-way) is parallel to at least 1 edge of the sheet. (\$6,890 (fee); 2018)

Parc Des Familles Visitor Center (Proposed Location Survey), Jefferson Parish, LA. BFM Corporation provided topographic surveying services to help establish the proposed project site for the Parc Des Familles Visitor Center, located at municipal #6101 Leo Kerner Lafitte Parkway in Marrero, LA. BFM provided Temporary Benchmark and Construction Benchmark for the site, as well as a topographic survey locating all utilities and man-made elements as well as natural objects (tress and ponds). Cross sections and Finished Floor Elevations (for the FEMA certificate) were also included. (\$16,590 (fee); 2018)

5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA. BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. All information associated with the lift station was obtained by BFM; this included top of casting elevation, pipe size/type, direction, and invert elevations. BFM also provided the Finished Floor Elevation of the lift station building and elevation of the electrical slab associated with it. Deliverables included hardcopy and AutoCAD DWG format files. (\$6,790 (fee); 2019)

Lamar-Dixon Gym Expansion, Gonzales, Ascension Parish, LA. BFM provided all services for a Topographic Survey for the Lamar-Dixon Gym Expansion in Gonzales. Scope included establishing a Temporary Benchmark and a Construction Benchmark. Utilities and piping for utilities were located. The existing building (and specific elements thereof) was located, including spot elevations and Finished Floor Elevations at each entrance. Project deliverables included three original FEMA Elevation Certificates and a Construction Benchmark Certificate. (\$8,000 (fee); 2019)

Treasure Chest Casino, Kenner, Jefferson Parish, LA. BFM's services included boundary and topographic survey for the project site at the Treasure Chest Casino located on the lakefront in Kenner, Louisiana. BFM established baselines and temporary benchmarks, provided location of existing improvements and visible utilities, provided spot elevations at 25 ft. intervals within limits, and located property corners to establish right-of-way and boundaries. (\$65,940 (fee); 2021)

Hospital Expansion Project, Chalmette, St. Bernard Parish, LA. BFM provided surveying services for the project, located at 8000 West Judge Perez Drive in Chalmette. The scope included a topographic and utility survey, four temporary benchmarks, and location of improvements, utilities & trees. BFM further established finished floor elevations and took spot elevations at 25 ft intervals. (\$35,280 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Dawn Hoffman
Researcher/Archivist

Project Assignment:

Researcher/Archivist

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

14 years (joined BFM in 2009); 26 years total (1997)
BFM Corporation, LLC | 2009 to present
Fluor Corporation | 2007 to 2009
Geographic Computer Technologies, LLC | 2000 to 2007

Education: Degree(s)/Year/Specialization:

A.D., 1999, Computer-Aided Drafting, Southeast College of Technology
Certificate, 2003, Introduction to ArcGIS, Louisiana State University

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

Dawn Hoffman serves as BFM's primary researcher and has more than 25 years of experience in this field. She is extremely knowledgeable with researching in various parishes and cities.

New West Bank Animal Shelter, Jefferson Parish, LA. BFM Corporation provided topographic surveying services for the proposed animal shelter site located at the corner of Lapalco Boulevard and Peters Road. Scope included establishing a TBM, providing minimum slab elevation (FEMA), taking elevations throughout the site, and locating property lines and noting adjoining ROWs. Improvements were located within the designated limits of survey, as were above & below-ground utilities. The survey provided the location of existing storm sewer and sanitary sewer structures. Spot elevations on paving or other hard surfaces were also plotted. (\$5,800 (fee); 2014)

East Jefferson High School Courtyard Improvements, Metairie, Jefferson Parish, LA. BFM provided surveying to collect elevations and locate improvements on the interior courtyards of the East Jefferson High School campus. Improvements included drainage structures, sewer cleanouts, electrical boxes, etc. utilizing laser scanning (Leica C10 HDS). A plan view showing topographic features (trees, pavement, piping, etc.) and a contour map are part of the final deliverables for the product. (\$4,798 (fee); 2016)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Dawn Hoffman (continued)

Belle Chasse Water Plant Intake, Belle Chasse, Jefferson Parish, LA. BFM provided bathymetric, boundary and topographic surveying services for the project. Improvements on the site were located, as well as visible above-ground utilities & underground utilities with visible surface evidence. Existing storm sewer and sanitary sewers were located using top of casing; invert elevations were provided on the survey. Bathymetric surveys were tied to the U.S. Army Corps of Engineers baseline. Deliverables included indelible prints and AutoCAD DWG format drawing files. (\$14,804 (fee); 2016)

NOFD/NOPD Consolidated Station (Wall & Horace), New Orleans, LA. BFM provided boundary and topographic surveying services for this Consolidated Station site, which included the New Orleans Fire Department's Engine Nos. 33/40 and New Orleans Police Department's 4th District Station, on the corner of Wall Boulevard and Horace Street. In another phase, BFM's surveying scope involved revising the previous survey to show the Right-of-Way Revocation and Resubdivision of the Consolidated Station. (\$11,488 (cumulative fee); 2019)

Fulton Street Pump Station, Jefferson Parish, LA. BFM Corporation provided boundary with topographic survey for the Fulton Street Pump Station project. The scope of services included establishing horizontal control, setting Temporary Benchmarks, and plotting the location of improvements & topographic elements (man-made and natural). BFM also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established. For the topographic survey, spot elevations did not exceed a 25-foot grid within the Limits of Survey and included bottom of canal elevations along adjacent wall. (\$11,890 (fee); 2017)

Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman, SCIP D2532), Marrero, Jefferson Parish, LA. BFM's surveying services included topographic and boundary surveys and a construction benchmark certificate (CBM). The scope of services included establishing a baseline parallel to the street, with points of intersection referenced by three point ties to topographic features in the area. Existing storm sewer and sanitary sewer structures with top of casting and invert elevations were noted on the survey. BFM also provided a FEMA Flood Elevation Certificate when requested by the Project Engineer. (\$6,620 (fee); 2017)

Jefferson Parish Department of Public Works (DPW) Maintenance Building, Jefferson Parish, LA. BFM provided stake-out services (four corners) for the DPW Maintenance Building Site (755 S. Jefferson Davis Parkway). Additional project work included preparation of an As-Built Survey of the project site. The scope of services included location and provision of top of casting elevations for the 11 drainage structures as noted on the owner's project sheets. Spot elevations were taken at 25-foot intervals within the limits of survey. (\$4,450 (fee); 2020)

Parc Des Familles Visitor Center (Proposed Location Survey), Jefferson Parish, LA. BFM Corporation provided topographic surveying services to help establish the proposed project site for the Parc Des Familles Visitor Center, located at municipal #6101 Leo Kerner Lafitte Parkway in Marrero, LA. BFM provided Temporary Benchmark and Construction Benchmark for the site, as well as a topographic survey locating all utilities and man-made elements as well as natural objects (tress and ponds). Cross sections and Finished Floor Elevations (for the FEMA certificate) were also included. (\$16,590 (fee); 2018)

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>New West Bank Animal Shelter, Jefferson Parish, Louisiana</p> <p>Burgdahl & Graves Architects 2550 Belle Chasse Hwy, Suite 130 Gretna LA 70053</p> <p>Russell I. Burgdahl, AIA, 504-366-4433 rburgdahl@burgdahlgraves.com</p>	<p>BFM Corporation provided topographic surveying services for the proposed animal shelter site located at the corner of Lapalco Boulevard and Peters Road. Scope included establishing a TBM, providing minimum slab elevation (FEMA), taking elevations throughout the site, and locating property lines and noting adjoining ROWs. Improvements were located within the designated limits of survey, as were above & below-ground utilities. The survey provided the location of existing storm sewer and sanitary sewer structures. Spot elevations on paving or other hard surfaces were also plotted. For natural elements, BFM located specimen trees and outlined massed trees, shrubs, and undergrowth. Deliverables included hardcopy and DWG format files.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2014	N/A	\$5,800 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Parc Des Familles Visitor Center (Proposed Location Survey), Jefferson Parish, Louisiana</p> <p>Meyer Engineers Ltd. 4937 Hearst Avenue, Suite B Metairie LA 70001</p> <p>Raymond J. Brown, 504-885-9892 rbrown@meyer-e-l.com</p>	<p>BFM Corporation provided topographic surveying services to help establish the proposed project site for the Parc Des Familles Visitor Center, located at municipal #6101 Leo Kerner Lafitte Parkway in Marrero, LA. BFM provided Temporary Benchmark and Construction Benchmark for the site, as well as a topographic survey locating all utilities and man-made elements as well as natural objects (trees and ponds). Cross sections and Finished Floor Elevations (for the FEMA certificate) were also included.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2018	N/A	\$16,590 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Clancy-Maggiore Elementary School for the Arts Survey, Jefferson Parish, Louisiana</p> <p>Jefferson Parish School Board Facilities Department 4600 River Road Marrero LA 70072</p> <p>David Taylor, 504-349-8595 david.taylor@jppss.k12.la.us</p>	<p>BFM provided boundary surveying services for the project, located at 2100 Maine Avenue in Kenner. The scope of services focused on improvements to the site. BFM researched all title data, established a closed traverse around the site, and set a TBM. Elevations were taken across the project site. Spot elevations were plotted, as well as the location of all improvements and topographic features. Utilities were located as were piping and trees/brush of a certain caliper. Deliverables included hardcopy and AutoCAD DWG format files. A later update to the project included a Form Board Certificate (FBC).</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
September 2017	N/A	\$19,940 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Marrero Wastewater Treatment Plant Operations Building, Jefferson Parish, Louisiana</p> <p>Digital Engineering & Imaging, Inc. 527 W. Esplanade Ave., Ste. 300 Kenner LA 70065</p> <p>Timothy Smith, 504-468-6129 tsmith@deii.net</p>	<p>BFM Corporation provided surveying services for the project, located on the West Bank of Jefferson Parish in Marrero. BFM's scope of services included obtaining title data, supplementing with courthouse research as needed. The field survey involved plotting of servitudes and location of improvements, as well as utilities and drainage. Data from the field survey was processed and compared with the title information. Boundary surveying included monumentation and establishing both temporary benchmarks & construction benchmark as well as surveying elevations. Deliverables included indelible prints and AutoCAD DWG format drawing files.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	N/A	\$8,573 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Proposed Lafreniere Food Pavilion, Lafreniere Park, Metairie, Jefferson Parish, Louisiana</p> <p>Meyer Engineers Ltd. 4937 Hearst Avenue, Suite 1B Metairie LA 70001</p> <p>Jennifer Wickham, 504-885-9892 jwickham@meyer-e-l.com</p>	<p>BFM prepared a site-specific topographic survey for the project site. The scope of services included location of utilities (water & sewer, lighting, power, cable, etc.), establishing a baseline, providing both Temporary Benchmark (TBM) and Construction Benchmark (CBM), locating existing improvements, natural elements, and other topographic features.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
September 2020	N/A	\$9,050 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Haynes Academy School, Metairie, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Public Schools Facilities Department 4600 River Road Marrero LA 70072</p> <p>Steve Faust; 504-349-8595 steve.faust@jppss.k12.la.us</p>	<p>BFM prepared a Site Specific Topographic Survey for the project site at Haynes Academy School (part of the Bath Subdivision), located at 1416 Metairie Road. Project elements focused on boundary surveying, improvements throughout the campus, and notably locating the gym class fence. Scope included horizontal & vertical control, TBMs, and location of existing improvements & utilities, piping, and trees. Cross sections were taken, and a finished floor elevation provided of adjacent buildings. Deliverables included print & AutoCAD files.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2019	N/A	\$8,400 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Rivarde Maintenance Facility, Jefferson Parish, Louisiana</p> <p>Burgdahl & Graves Architects 2550 Belle Chasse Hwy, Suite 130 Gretna LA 70053</p> <p>Russell I. Burgdahl, 504-366-4433 rburgdahl@burgdahlgraves.com</p>	<p>BFM provided boundary and topographic surveying services for the Rivard Maintenance Facility project, located at 1651 Manhattan Boulevard in Harvey. Scope included establishing a baseline parallel to Manhattan Boulevard; setting temporary benchmarks (TBMs) & construction benchmarks (CBMs) on or near the site; establishing cross sections on a 25 ft grid; FF elevations of all buildings. Product to be drawn so that a single R/W (right-of-way) is parallel to at least 1 edge of the sheet.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
November 2018	N/A	\$6,890 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish Department of Public Works (DPW) Maintenance Building, Jefferson Parish, Louisiana</p> <p>CDW Services, LLC 721 Papworth Ave Ste 101 Metairie LA 70005</p> <p>Kevin Myles, 504-828-2061 kmyles@cdwservices.com</p>	<p>BFM provided stake-out services (four corners) for the DPW Maintenance Building Site (755 S. Jefferson Davis Parkway). Additional project work included preparation of an As-Built Survey of the project site. The scope of services included location and provision of top of casting elevations for the 11 drainage structures as noted on the owner's project sheets. Spot elevations were taken at 25-foot intervals within the limits of survey. Deliverables included an indelible print, high resolution PDF, and AutoCAD drawings.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2020	N/A	\$4,450 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Site Specific Topographic Surveys for Multiple School Locations, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Public Schools Facilities Department 4600 River Road Marrero LA 70072</p> <p>Steve Faust, 504-349-8595 steve.faust@jppss.k12.la.us</p>	<p>BFM prepared site-specific topographic surveys for twelve separate Jefferson Parish school locations throughout the Parish. The scope of services included establishing the nearest property line to the area being surveyed at each school, establishing a construction benchmark, location of specific existing improvements within the Limits of Survey at each location as well as location of trees. Spot elevations were taken. Certificates prepared included a Construction Benchmark Certificate, a Top of Form Certificate and Sketch, a Top of Slab Certificate, and a Final FEMA Elevation Certificate.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2020	N/A	\$47,461 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>East Jefferson General Hospital, Metairie, Jefferson Parish, Louisiana</p> <p>Chehardy Sherwin Williams 1 Galleria Boulevard, Suite 1100 Metairie LA 70001</p> <p>Charles Taylor, 504-420-7542</p>	<p>BFM's scope of services for the project involved a boundary survey with sidewalk location, covering the area along the northerly side of Ithaca at the western-most driveway-accessing parking lot. Spot elevations were taken at 5 ft. intervals. Property corners were also located in the survey.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2019	N/A	\$2,275 (fee)

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.	<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p style="text-align: center;"><i>BFM Corporation is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</i></p> </div>	
2.		
3.		
4.		

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


BFM CORPORATION, LLC
 Professional Land & Hydrographic Surveying

CRITERIA 1 • PROFESSIONAL TRAINING AND RELEVANT PROJECT EXPERIENCE

Established in 1982, **BFM Corporation, LLC, Professional Land & Hydrographic Surveying**, provides services to public & private concerns throughout Louisiana and the Gulf South. For over 40 years, BFM has provided surveying services covering all facets of engineering, construction, and forensics; topographic, and hydrographic, as well as drone-based surveying and high-definition laser scanning.

BFM Corporation is a majority Woman-Owned Business Enterprise (WBE) as well as a Hudson Initiative certified Small & Emerging Business and Small Entrepreneurship in Louisiana.

Our capabilities include the following and more:

- **Topographic Surveying**
- **Drone Surveying / Photogrammic and LiDAR**
- **Bathymetric / Hydrographic Surveys**
- **Property, Boundary, and Right-of-Way Surveys**

TEC Professional Services Questionnaire

N. continued.

- **Maps, Cross-Sections, and Data Sets**
- **3D Laser Scanning**
- **Benchmarks**
- **Construction-Related Surveying**
- **Builder's Package Surveys**
- **American Land Title Association (ALTA) Surveys**

BFM's project work routinely involves **extensive records and related research** as an element of successful completion, as well as coordination with the client, agency or department. BFM has the personnel to make sure this is done correctly and expeditiously.

Our **Survey Field Crews** are equipped with Leica Viva and Leica Captivate Data Collectors, as well as Leica GPS Smart Antennas. Each GPS unit is linked to the Leica SmartNet Network, giving each crew the ability for Real Time Kinematic Positioning (RTK), derived from the Global Navigation Satellite System (GNSS). Furthermore, each crew is outfitted with Leica TS series robotic total stations, simplifying and expediting projects. BFM can also use in-house drones and 3D scanners to further analyze sites and projects. BFM's crews are trained to use this equipment to its full potential to maximize accuracy and efficiency in the field.

BFM offers **Drone Surveying Services**, featuring a DJI Matrice 600 Pro drone outfitted with a Sony A7R3 42-megapixel camera, Pixhawk Triggering System, VMAP PPK system, and an A3 Pro Flight Controller. It can capture 50 acres of land in that time (with a flight ceiling of 165 feet, pixel quality is 0.71 CM). This allows BFM to quickly & accurately capture data and facilitates quicker field work to produce highly accurate and precise surveying information. Deliverables feature Clean Point Cloud, 3D Mesh, Orthomosaic, and AutoCAD DWG Topographic.

BFM's **3D modeling capabilities** allow us to process & model for any design purpose. High-definition scanner data is processed using software from Leica and Autodesk. BFM is working on non-traditional survey deliverables, including virtual tours, live walkthroughs, detailed pipe rack modeling, and modeling for use with Autodesk Revit Architecture.

When needed, BFM Corporation provides **bathymetric surveying** to handle any **hydrographic surveying** tasks. For large rivers and bodies of water, BFM is equipped with Teledyne Odom Hydro Solutions' Hydro Trac Single Beam Echo Sounder. For smaller bodies of water, BFM uses an SL20 Remote Controlled Boat equipped with CEE Scope Dual Channel Echo Sounder. The firm uses Hypack Software to process collected data. Further, BFM can execute multi-beam scans, side scans and magnetometer surveys upon request.

Please refer to the projects presented in Item L of this form as well as our personnel bios for an overview of relevant project work executed by BFM Corporation.

TEC Professional Services Questionnaire

N. continued.

CRITERIA 2 • SIZE OF FIRM

As noted, BFM has the manpower and equipment to execute any surveying task within the reasonable time set forth by the contract or project engineer. BFM has no issue with meeting the project deadlines set forth by our clients, both municipal and private. It is our continual goal to keep this reputation solid. Further, we establish base costs and fees for our services, and work with our clients to meet all project budgets.

As noted in **item E of this form**, BFM currently has a **full time staff of two dozen people**, including **two Registered Professional Land Surveyors, Survey Field Crew Personnel, and AutoCAD drafting personnel**, as well as **complete administrative and support staff**.

CRITERIA 3 • CAPACITY FOR TIMELY COMPLETION OF NEWLY-ASSIGNED WORK

BFM Corporation has the manpower and equipment to execute any surveying task within the reasonable time set forth by the contract or project engineer. It is our continual goal to keep this reputation solid. We establish base costs and fees for our services, and work with our clients to meet all project budgets. Our workload and scheduling, and proximity to the project site, will allow for quick assignment of personnel to any directed project.

BFM Corporation's **Ralph P. Fontcuberta, Jr., PLS**, is a **Louisiana-Registered Professional Land Surveyor (since 1974)** and meets or exceeds any minimum requirements for any surveying project. He has been **providing surveying services in Louisiana for over 50 years** and brings an almost incalculable wealth of experience in the region to any project, especially in Southeast Louisiana.

BFM's **Chad M. Poché, P.E.** brings **more than 25 years of experience** to assist in completing projects on time and within budget. He has been a consulting geotechnical engineer for more than 20 years in South Louisiana and has been the geotechnical engineer of record for thousands of projects throughout his career.

Our personnel included **multiple survey crews** and a **fully-staffed drafting department** to handle any project needs; they are thoroughly trained and extensively familiar with the region and needs of various types of surveying projects.

CRITERIA 4 • PAST PERFORMANCE ON PARISH CONTRACTS

BFM has provided surveying services in **Jefferson Parish since 1982**, both **directly to Parish agencies and as a consultant to firms serving the Parish**. The firm has executed many hundreds of projects in the Parish, including both direct Parish projects and agency projects (CPRA, Louisiana DOTD, etc.), not to mention the scores of surveying projects for private individuals and industry.

As noted, Mr. Fontcuberta has **over half a century of professional land surveying experience**, including nearly 40 years with BFM. He has provided professional surveying services for **thousands of projects for and throughout Jefferson Parish**. Additional information beyond the scope of this RFQ response is available upon request.

TEC Professional Services Questionnaire

N. continued.

CRITERIA 5 • LOCATION OF PRINCIPAL OFFICE

BFM has called Jefferson Parish home office location since the firm's inception in 1982; our principal office is located in Jefferson Parish at 15 Veterans Memorial Boulevard in Kenner.

CRITERIA 6 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

BFM Corporation is not involved in litigation with Jefferson Parish nor with any of our clients, as is noted in Item M of this form.

CRITERIA 7 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

Serving the region since 1982, BFM has worked with virtually every municipality in the area. We enjoy a high repeat-business rate with all our municipal & private clients. Multiple examples of this work are included throughout this form in both the *Personnel Résumés* section (Item K) and *Representative Project Work* (Item L). We offer the following specific references for contact:

Mark R. Drewes, P.E., Director, Public Works Department, Jefferson Parish
(504-736-6783 | JPPW@jeffparish.net)

Angela DeSoto, P.E., Director, Engineering Department, Jefferson Parish
(504-736-6511 | ADeSoto@jeffparish.net)

Ben Lepine, Acting Director, Drainage Department, Jefferson Parish
(504-736-6751 | JPDrainage@jeffparish.net)

Neil Schneider, CCM, P.E., Director, Capital Projects, Jefferson Parish
(504-736-6783 | JPPW@jeffparish.net)

Sid Trouard, P.E., Program Manager, Sewerage Capital Improvement Program, Jefferson Parish
(504-736-6386 | STrouard@jeffparish.net)

Michael B. Cooper, Parish President, St. Tammany Parish
(985-898-2362 | president@stpgov.org)

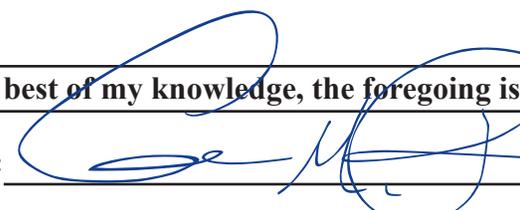
José A. Gonzales, CAO, City of Kenner
(504-468-4090 | jgonzalez@kenner.la.us)

Khalid L. Saleh, PhD, Capital Program Administrator, New Orleans Public Works Dept.
(504-658-8000 | khsaleh@nola.gov)

Greg Cromer, Mayor, City of Slidell
(985-646-4333 | gcromer@cityofslidell.org)

Our professional work history is exemplary. We strive to provide on-time and technically thorough project deliverables at the budget set by our clients.

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

Signature:  **Print Name:** Chad M. Poché, P.E.
Title: Executive Vice President **Date:** March 22, 2023

TEC PROFESSIONAL SERVICES QUESTIONNAIRE



EUSTIS

ENGINEERING L.L.C.

SINCE 1946

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 006-Design and Construction Administration of a New East Bank
Jefferson Parish Animal Adoption & Services Facility

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.

Ben Cody, P.E. / Principal Engineer / 504-834-0157 / bcody@eustiseng.com

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

<u> 8 </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> 16 </u> Geotechnical Engineers	<u> 1 </u> Graduate Engineers
<u> </u> Civil Engineers	<u> </u> Interior Designers	<u> </u> Project Managers
<u> </u> Construction Inspectors	<u> </u> Landscape Architects	<u> 6 </u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u> 2 </u> Engineer Intern	<u> </u> Environmental Engineers	<u> 40 </u> Other
<u> </u> Professional Land Surveyors		<u> 75 </u> TOTAL

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

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

TEC Professional Services Questionnaire

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

1. Not applicable.

2.

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

YES NO

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Gwendolyn P. Sanders, P.E. / President

Project Assignment:

Project Principal

Name of Firm with which Associated:

Eustis Engineering L.L.C.

Years' Experience with This Firm:

30

Education: Degree(s)/Year/Specialization:

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

Active Registration: Year First Registered/Discipline:

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

Other Experience and Qualifications Relevant to the Proposed Project:

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

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

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

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

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

- Jefferson Parish Sheriff's Office – First District Station, 3620 Hessmer Avenue, Metairie, Louisiana
- Jefferson Parish Sheriff's Office – Lafitte Rathburn Tower, Lafitte, Louisiana
- Jefferson Parish – Marrero Wastewater Treatment Plant, Proposed Electrical Building, Marrero, Louisiana
- Jefferson Parish – Fire Station No. 18, Veterans Boulevard Near Causeway Boulevard, Jefferson Parish, Louisiana
- Plaquemines Parish Government – Animal Shelter Repair Evaluation, 479 F. Edward Hebert Boulevard, Belle Chasse, Louisiana
- U.S. Navy – Naval Construction Battalion Center, Military Working Dog Kennel, Gulfport, Mississippi

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Benjamin M. Cody, P.E. / Principal Engineer
Project Assignment:
Project Manager
Name of Firm with which Associated:
Eustis Engineering L.L.C.
Years' Experience with This Firm:
21
Education: Degree(s)/Year/Specialization:
Master of Science / 1999 / Civil Engineering Bachelor of Science / 1996 / Civil Engineering
Active Registration: Year First Registered/Discipline:
Louisiana: 2002 / Civil Engineering Mississippi: 2007 / Engineering Texas: 2014 / Civil Engineering Florida: 2001 / Engineering Alabama: 2003 / Engineering Arkansas: 2014 / Engineering
Other Experience and Qualifications Relevant to the Proposed Project:
<p>From 1993 to 1994, Mr. Cody first worked with Eustis Engineering as a part-time laboratory soil technician while obtaining his undergraduate degree. After leaving Eustis Engineering in 1994, Mr. Cody worked as an engineering technician with the Sewerage & Water Board of New Orleans and as a student laboratory coordinator at Tulane University's Department of Civil Engineering. Mr. Cody also assisted in teaching the introductory soil mechanics laboratory sessions. For more than a year, he then worked as a graduate research assistant at Tulane University while pursuing his master's degree. At that time, he was responsible for the design, construction, and implementation of bench scale testing system in contaminated soil remediation.</p> <p>From 1998 until 2001, Mr. Cody worked for engineering firms in Florida. He performed such duties as soil evaluation and engineering recommendations for projects of varying sizes including multi-story structures, bridges, and roadways. He performed Phase I environmental site assessments as well as geotechnical sensor installation.</p> <p>In 2001, he returned to the New Orleans area and to Eustis Engineering as a Project Engineer. He now serves as a Principal Engineer with the firm. Since his return, Mr. Cody has performed a wide variety of engineering services including geotechnical project management, engineering design, engineering during construction, and dynamic pile testing. Private sector projects have varied from small private 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>Some of Mr. Cody's project experience, shown in this submittal, includes the following:</p> <ul style="list-style-type: none">• Jefferson Parish Public School System – Young Audiences Charter School, 1000 Burmaster Street, Gretna, Louisiana• Jefferson Parish – West Bank Central Warehouse Facility, LA Highway 18, Bridge City, Louisiana

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

- Jefferson Parish School System – Granville T. Woods Elementary School, New Six-Classroom Building, Kenner, Louisiana
- Plaquemines Parish Government – Animal Shelter Repair Evaluation, 479 F. Edward Hebert Boulevard, Belle Chasse, Louisiana
- New Orleans City Park – Light Poles for Rugby Field, Zachary Taylor Drive at the Dog Park, New Orleans, Louisiana

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Sean G. Walsh, P.E. / Engineering Manager and Vice President (Engineering)
Project Assignment:
Project Manager
Name of Firm with which Associated:
Eustis Engineering L.L.C.
Years' Experience with This Firm:
10
Education: Degree(s)/Year/Specialization:
Master of Science / 2010 / Civil Engineering Bachelor of Science / 2007 / Civil Engineering
Active Registration: Year First Registered/Discipline:
Louisiana: 2013 / Civil Engineering
Other Experience and Qualifications Relevant to the Proposed Project:
<p>For his first five years after graduation, Sean G. Walsh, P.E., was a Project Engineer on numerous projects in the New York and New Orleans metropolitan areas where he gained experience in civil, geotechnical, and geo-environmental engineering projects for a variety of public and private clients.</p> <p>Since joining Eustis Engineering in 2012 as a Project Engineer, Mr. Walsh has been responsible for developing and managing engineering package preparations (e.g., engineering design and analysis, development of construction and permit drawings, contract specifications, cost estimates, and design reporting) for a diverse range of design and analysis projects, including deep foundations, excavation support systems, utility foundations, slope stabilization, solid waste closure systems, levee inspection/safety, and seepage modeling.</p> <p>Mr. Walsh was promoted to Project Manager in 2017. Mr. Walsh is also a graduate of the 2017 New Orleans Regional Leadership Institute (NORLI), a one-year training program designed to help shape community leaders.</p> <p>During his employment with Eustis Engineering, Mr. Walsh has provided engineering services on more than 400 projects. Mr. Walsh has risen to the level of Vice President and Engineering Manager, in which he is responsible for personnel resource allocation, the overall engineering schedule, and execution of engineering services. Mr. Walsh also functions as a mentor to the engineering staff.</p> <p>A large portion of Mr. Walsh's experience, before and after joining Eustis Engineering, involved development of design and construction recommendations associated with flood protection systems in southeastern Louisiana. Mr. Walsh has served as the project engineer and project manager responsible for the development and implementation of geotechnical exploration programs; development of soil testing laboratory programs; and interpretation of the results to evaluate strength, compressibility, and general soil characterization. Mr. Walsh used these data for geotechnical designs comprising pile capacity curves; bearing capacity analyses; cantilever retaining analyses; anchored retaining wall analyses; temporary retaining structure design; time-settlement projections for earthen levees with lift schedules; soil pressure profiles; structural and earthen levee under seepage analyses; levee and bank stability by the Spencer's Method and the Method of Planes; reinforced embankment design; stability analyses of flood protection walls (e.g., T-wall, I-wall, L-wall, and braced 'A-Frame' walls); downdrag and settlement analyses; settlement induced bending moments (SIBM) in foundation piles; piping analyses; uplift analyses; heave analyses; three-dimensional modeling of fill and structural load placements for predictions of time-rate settlements of foundation systems; and numerical</p>

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

modeling of soil-structure-interaction (SSI) of flood protection structures by the finite element method (FEM).

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

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

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

- Jefferson Parish – Fire Station No. 18, Veterans Boulevard Near Causeway Boulevard, Jefferson Parish, Louisiana
- Plaquemines Parish Government – Animal Shelter Repair Evaluation, 479 F. Edward Hebert Boulevard, Belle Chasse, Louisiana
- New Orleans City Park – Light Poles for Rugby Field, Zachary Taylor Drive at the Dog Park, New Orleans, Louisiana

PROJECT NO. 01

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

Nature of Firm's Responsibility:

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

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

At the time of our investigation, the site consisted of an existing one-story masonry warehouse surrounded by concrete and asphalt. That warehouse would be converted 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.

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

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

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

Soil mechanics laboratory tests, performed on samples obtained from the borings, were used to evaluate the physical properties of the various substrata. Testing included 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.

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

- water management during and after construction;
- site preparation on the interior of the building;
- inspection and monitoring of the existing building;
- site preparation for the existing building's exterior;

PROJECT NO. 01

PROJECT NO. 01		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	<ul style="list-style-type: none">• Seismic Site Classification in accordance with the International Building Code;• 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:
02/2019 (A)	Unknown	\$17,600

PROJECT NO. 02

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

Nature of Firm's Responsibility:

**Jefferson Parish
West Bank Central Warehouse Facility
LA Highway 18
Bridge City, Louisiana
Eustis Engineering Project Nos. 22720.00, .01**

Jefferson Parish Through
ECM Consultants, Inc.
Suite 200
4409 Utica Street
Metairie, Louisiana 70006
Chris Maniscalco @ 504-885-4080

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

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

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

Our engineering analyses and recommendations included:

- site preparation recommendations addressing the need for adequate drainage during and after construction;
- appropriate clearing and stripping operations complying with Louisiana Standard Specifications;
- subgrade preparation;
- recommended structural fill and its compaction;
- estimated fill settlement;
- areal subsidence;
- excavation bracing requirements in accordance with OSHA;
- lateral earth pressure on buried structures and at the truck wells associated with the loading dock;
- recommendations for the installation of new 6-in. to 24-in. diameter sewer and drain lines including bedding materials, the use of geotextile separation fabric, and backfill materials;

PROJECT NO. 02

PROJECT NO. 02		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
	<ul style="list-style-type: none">• allowable load capacities, in compression and tension, for various sizes of treated timber piles, timber composite piles, and square, precast concrete piles;• estimated settlement due to structural loads;• estimated settlement of piles due to fill placement;• recommendations for flexible and rigid pavements; and• recommended truck well designs and construction at the loading dock. <p>As the geotechnical engineer of record, we provided recommendations in response to the contractor's RFI regarding the test pile program. Our recommendations centered on the reaction piles and prepunching/predrilling operations. We also reviewed the test pile program for the consulting engineer on the project providing our conclusions and professional opinions regarding the results.</p>	
Completion Date (Actual or Estimated)	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
05/2015 (A)	Unknown	\$11,500

PROJECT NO. 03

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

PROJECT NO. 04		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Jefferson Parish Sheriff's Office First District Station 3620 Hessmer Avenue Metairie, Louisiana Eustis Engineering Project No. 23114</p> <p style="text-align: center;">Owner's Contact Information: Jefferson Parish Sheriff's Office Through N-Y Associates, Inc. 2750 Lake Villa Drive, Suite 100 Metairie, Louisiana 70002 Jonathan O'Rear, AIA RCARB, LEED @ 504-885-0500</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, and address the existing pile conflicts while still meeting the design requirements.</p>	
	Estimated Cost:	
	Completion Date (Actual or Estimated)	Entire Project:
05/2018 (A)	Unknown	\$11,400

PROJECT NO. 05

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p align="center"> Jefferson Parish Sheriff's Office Lafitte Rathburn Tower Lafitte, Louisiana Eustis Engineering Project No. L0415 </p> <p> Jefferson Parish Sheriff's Office Through M S Benbow and Associates Professional Engineering Corporation Suite 400 2450 Severn Avenue Metairie, Louisiana 70001 Pete Bastien @ 504-836-8925 </p>	<p>A communications tower and associated guyed wire supports were to be constructed for the Jefferson Parish Sheriff's Office. Steel H-piles were proposed for support of the tower and guyed wires. The specific tower dimensions and anticipated loads were not available for the exploration.</p> <p>The site was located approximately 2,000 feet east of the intersection of LA Highway 3257 and Forges Street in Lafitte, Louisiana. The tower location was in a generally level lot with existing vegetation and a limestone driveway. Extensive standing water was observed at the site during our drilling operations.</p> <p>One soil boring was made at the site to a depth of 125 with an all-terrain mounted, rotary-type drill rig. This was to evaluate subsoil conditions and stratification, and to obtain samples of the various substrata. The soil samples were transported to our accredited laboratory in Metairie for testing.</p> <p>The design team assigned soil mechanics laboratory tests to evaluate the physical properties of the subsoils. The tests performed included natural water content, unit weight, and either unconfined compression shear or unconsolidated undrained triaxial compression shear. In addition, Atterberg liquid and plastic limits tests were performed on selected representative samples to aid in classification and assess relative compressibility. The design team used these test results to develop the site-specific soil design parameters.</p> <p>Engineering analyses were made by the design team to provide recommendations regarding site preparation and general construction requirements. Their design report also included estimates of allowable vertical load capacities for steel H-piles and, settlement of these piles due to structural loads.</p>	
<p align="center">Completion Date (Actual or Estimated)</p> <p align="center">06/2015 (A)</p>	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
	<p align="center">Unknown</p>	<p align="center">\$8,600</p>

PROJECT NO. 06

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Jefferson Parish Marrero Wastewater Treatment Plant Proposed Electrical Building Marrero, Louisiana Eustis Engineering Project No. 22525</p> <p style="text-align: center;">Contact Information: Jefferson Parish Through Hartman Engineering, Inc. Suite 300 527 West Esplanade Avenue Kenner, Louisiana 70065 Ryan Foster, P.E. @ 504-466-5667</p>	<p>Over the years, as far back as 1987, Eustis Engineering has performed both geotechnical and construction materials testing services at the Marrero Wastewater Treatment Plant. Work at the site by our firm has been for effluent force mains and various expansion projects.</p> <p>When Eustis Engineering was contracted to perform analyses for a proposed electrical building at this same plant, we knew we would be able to use data developed for these previous studies. From the start of the project, information furnished by the project's engineer indicated the new addition would be supported on deep foundations consisting of timber piles.</p> <p>Our engineering analyses were used to develop recommendations regarding:</p> <ul style="list-style-type: none"> • site preparation including drainage, clearing and stripping, demolition, and placement and compaction of structural fill; • estimates of allowable pile load capacities, in compression and tension, for treated ASTM D 25 timber piles; • estimated settlement due to structural loads; and • installation of driven piles including quality control, hammers, predrilling, and alternate methods. 	
<p style="text-align: center;">Completion Date (Actual or Estimated)</p>	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
05/2014 (A)	Unknown	\$750

PROJECT NO. 07**Project Name, Location, and
Owner's Contact Information:****Nature of Firm's Responsibility:**

**Jefferson Parish
Fire Station No. 18
Veterans Boulevard
Near Causeway Boulevard
Jefferson Parish, Louisiana
Eustis Engineering Project No. 22395**

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

Eustis Engineering performed a geotechnical exploration for the proposed fire station to be located near the intersection of Veterans Memorial Boulevard and Causeway Boulevard in Jefferson Parish, Louisiana. The proposed single-story fire station would comprise 10,000 to 12,000 square feet of living space and workspace with two truck bays and living quarters. A raised generator platform would be located at the southwestern corner of the lot. Fourteen parking spaces would surround the proposed building.

Eustis Engineering drilled two undisturbed sample type soil test borings to depths of 80 feet below the existing ground surface to determine subsoil conditions and stratification and to obtain samples of the various strata encountered. We selected the number and depth of borings based on our knowledge of the local geology and on the proposed building dimensions. The borings were drilled with a truck-mounted rotary-type drill rig dispatched from our main office in Metairie near the project site. Upon completion of drilling operations, the undisturbed borings were grouted with cement-bentonite grout mix in accordance with current regulatory requirements.

Soil mechanics laboratory tests were performed on samples obtained from the borings in our certified laboratory in Metairie. The test results were used by our engineering team to evaluate the physical properties of the various substrata and select the soil design parameters. The lab tests consisted of visual classification, natural water content, unit weight, unconsolidated undrained triaxial compression shear, and unconfined compression shear. Grain size analyses were also performed to determine the particle size distribution of selected cohesionless samples. These index and shear tests aid in defining the stress history, geology, and design properties of the subsoils encountered.

Engineering analyses were made to estimate allowable pile load capacities, pavement recommendations, settlement, and to determine a site classification in accordance with the 2009 International Building Code. Eustis Engineering also provided recommendations for site preparation and general foundation construction procedures.

**Completion Date
(Actual or Estimated)**

05/2014 (A)

Estimated Cost:**Entire Project:**

Unknown

**Work for Which Firm
Was Responsible:**

\$6,200

PROJECT NO. 08

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p align="center"> Plaquemines Parish Government Animal Shelter Repair Evaluation 479 F. Edward Hebert Boulevard Belle Chasse, Louisiana Eustis Engineering Project Nos. 23571.00-.02 </p> <p align="center"> Contact Information: Deutsch Kerrigan, L.L.P. 755 Magazine Street New Orleans, Louisiana 70130 Kelly E. Theard @ 504-593-0667 </p>	<p>The Plaquemines Animal Welfare Society (PAWS) structure in Belle Chasse Louisiana was built in 2010 and experienced differential settlement resulting in distress since its construction.</p> <p>Eustis Engineering conducted a forensic subsurface exploration at the project site in 2017 comprising one soil boring drilled to the 125-ft depth and two cone penetration tests (CPTs) also to 125-ft depths below the existing ground surface. The boring, CPTs, and laboratory tests from Eustis Engineering's exploration and the furnished exploration data developed by Ardaman & Associates, Inc. for the original construction were used along with furnished construction documents and forensic reports to evaluate the present amount of settlement and to estimate how much settlement could potentially still occur. General recommendations were then developed for possible remedial foundation repairs for the structure.</p> <p>In 2020, additional data collected by Newell Engineering became available for review. This new information required Eustis Engineering review the previous analyses relative to the latest data and provide additional consulting services as required. These recommendations were compiled into "working copy" presentation graphics used for discussion alongside the remediation design team.</p> <p>A final scope of service for Eustis Engineering was determined in 2021. Deutsch Kerrigan requested our updated analyses and the modified recommendations be incorporated into a formal, updated geotechnical report. In addition, Eustis Engineering agreed to provide ongoing consultation services to refine recommendations for remediation measures with the remediation design team and to present those findings to the project owner. We also agreed to provide additional consultation and expert opinions if other expert reports were furnished for review.</p>	
<p align="center">Completion Date (Actual or Estimated)</p>	<p align="center">Estimated Cost:</p>	
<p align="center">05/2022 (A)</p>	<p align="center">Entire Project:</p>	<p align="center">Work for Which Firm Was Responsible:</p>
	<p align="center">Unknown</p>	<p align="center">\$113,500</p>

PROJECT NO. 09

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p align="center"> U.S. Navy Naval Construction Battalion Center Military Working Dog Kennel Gulfport, Mississippi Eustis Engineering Project No. G0299 </p> <p> Contact Information: U.S. Navy Through Drace Construction Corporation Post Office Box 1797 Gulfport, Mississippi 39502 Jason Fayard @ 228-596-5252 </p>	<p>The proposed kennel would be a single-story structure set on a slab-on-grade. The kennel had a total plan area of approximately 1,710 square feet comprised of approximately 1,232 square feet of enclosed space and 478 square feet of outside runs. At the time of investigation, it was estimated up to 2 feet of fill would be required to reach finished grade.</p> <p>Our field investigation included the advancement of two soil borings to depths of 15 feet below the existing ground surface at the eastern and western corners of the proposed kennel. A third boring extended to a depth of 30 feet below the existing ground surface at the center of the proposed kennel. GPS coordinates were obtained at the boring locations using a handheld device.</p> <p>Once in our laboratory, samples collected in the field were subjected to soil mechanics laboratory tests including natural water content and Atterberg limits determinations. Percent passing the U.S. Standard No. 200 mesh sieve tests were performed on selected cohesionless and semi-cohesive subsoils to aid in classification. Grain size analyses were also performed on selected samples of cohesionless subsoils to determine their particle distribution.</p> <p>Our engineering staff summarized the findings of our field and laboratory programs, then presented these results in our geotechnical report. The report included:</p> <ul style="list-style-type: none"> • a seismic Site Classification in general accordance with the 2012 International Building Code; • site preparation recommendations including removal of existing pavements and structures, as well as drainage recommendations both during and after construction; • subgrade preparation encompassing recommended structural fills and their compaction; and • allowable soil bearing values for continuous strip footing foundations and isolated square footing foundations as well as settlement estimates. 	
<p align="center">Completion Date (Actual or Estimated)</p>	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
<p align="center">12/2015 (A)</p>	<p align="center">Unknown</p>	<p align="center">\$4,400</p>

PROJECT NO. 10

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p align="center"> New Orleans City Park Light Poles for Rugby Field Zachary Taylor Drive at the Dog Park New Orleans, Louisiana Eustis Engineering Project Nos. 23900.00, .01 </p> <p align="center"> Contact Information: New Orleans City Park 1 Palm Drive New Orleans, Louisiana 70124 Robert DeViney @ 504-482-4888 </p>	<p>Four prestressed concrete light poles were planned to be installed at the rugby field in New Orleans City Park. Eustis Engineering previously performed three geotechnical explorations nearby the project site. These previous explorations included one boring at the Tennis Center, two borings at the Dog Park, and two borings at the Henry Thomas Drive Underpass. The five borings showed a variation in depth and density of the underlying beach ridge sand deposits.</p> <p>Based on our review of the local variations in soil conditions, Eustis Engineering drilled two undisturbed sample type soil test borings to define subsoil conditions and stratification at the boring location sites and to obtain samples of the various strata encountered. Soil mechanics laboratory tests were conducted and engineering analyses were performed to develop estimates of ultimate pile load capacity for direct embedment poles, recommendations for factors of safety and load tests, and installation recommendations for casings, poles, and backfill.</p> <p>Eustis Engineering was then asked to perform supplemental geotechnical services including:</p> <ul style="list-style-type: none"> • a discussion of pile-head fixity; • lateral load analyses of a 21-in. diameter embedded pole assuming free-head fixity; • estimates of shear force and bending moment within the pole foundation when subjected to the furnished loading criteria; and • output reports in a .TXT format, including our design assumptions. 	
<p align="center">Completion Date (Actual or Estimated)</p>	Estimated Cost:	
	Entire Project:	Work for Which Firm Was Responsible:
08/2018	Unknown	\$5,750

TEC Professional Services Questionnaire

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

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

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

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

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

Eustis Engineering is headquartered in Metairie, Louisiana, with branch offices in Baton Rouge and Lafayette. We also operate branch offices in Gulfport, Mississippi and Houston, Texas. Our offices and staff collaborate seamlessly using Microsoft Teams and other virtual platforms.

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

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

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

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

ENGINEERING SERVICES

Eustis Engineering has engineering capabilities to fulfill the requirements of nearly any project, including development of new sites and retrofits of existing sites. We have developed pile capacity and bearing capacity analyses for projects throughout the coastal areas of the United States. Eustis Engineering's evaluation of piles includes estimates of vertical capacity for groups. We also perform lateral analyses of individual piles and pile groups using LPILE® and GROUP® software.

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

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

Engineering Staffing

Our engineering staff has 16 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	21	25
Brian A. Deschamp	B.S. / Civil & Environmental Engineering	11	11
	B.A. / Business Administration		
Lars A. Erickson	B.S. / Civil & Environmental Engineering	7	7
	Coastal Engineering Certificate		
James J. Hance	M.S. / Civil Engineering	19	23
	M.B.A. / Business Administration		
Chad L. Held	M.S. / Civil Engineering	32	32
Matthew K. Morales	B.S. / Civil Engineering	14	14
Tomas K. Morales	B.S. / Civil Engineering	9	9

Travis R. Richards	M.S. / Engineering	17	24
	M.S. / Engineering Management		
	Coastal Engineering Certificate		
Gwendolyn P. Sanders	M.S. / Engineering	30	30
Sanjay S. Shahji	M.S. / Civil Engineering	0.5	17
Shaun R. Simon	M.S. / Civil Engineering	23	23
Patrick A. Thurmond	M.S. Engineering Management	7	7
	M.S. / Civil Engineering		
	Coastal Engineering Certificate		
Sean G. Walsh	M.S. / Civil Engineering	10	15
James M. Williams	M.S. / Civil Engineering	5	5
Henry C. Worley	M.S. / Engineering	5	6.5
	Coastal Engineering Certificate		
Engineering Interns (E.I.)			
Joseph P. DiGiovanni	B.S. / Civil Engineering	0	0
Patrick T. Duckworth	M.S. / Civil Engineering	2	2
Engineering Graduates			
Alvaro E. Carvajal	B.S. / Civil Engineering	.5	.5
Lesley L. Reitmeyer	B.S. / Civil Engineering	14	14
Geologists			
Matthew J. Blasini, G.I.T.	B.S. / Geology	4	5
Andrew A. Herr	B.S. / Geology	0	1
Nathan A. Quick, P.G.	M.S. / Geology	1.5	6.5
Total Years of Experience		233.5	278.5

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

Cone Penetration Testing Capabilities

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

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

Dynamic Pile Testing Capabilities

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

We often upgrade our data collectors and operate four Pile Driving Analyzers® (PDAs): one PAX unit and three PDA-8G units. These units can be battery operated and use wireless gauge transmitters to eliminate the need for a main cable to connect directly to the units. We also stock and use underwater gauges to monitor pile driving in marine environments when the pile head descends below the water surface.

To support our four PDA units, Eustis Engineering maintains an extensive inventory of calibrated gauges and accessories. To provide quality assurance and rapid responses to issues in the field, all PDAs have wireless communication, enabling our engineers direct oversight of the dynamic pile testing process in real time.

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

Other Non-Destructive Testing Capabilities

Our engineering staff at Eustis Engineering 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 soil behavior is within acceptable limits.

Eustis Engineering provides the following instrumentation services.

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

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

DRILLING/FIELD EXPLORATION

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

Field Exploration Personnel

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

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

Field Exploration Equipment

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

Eustis Engineering also owns four direct push Geoprobe units: two 3230DTs, the 6620DT, and the 540M. Eustis Engineering's 6620DT/3230DT 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 a vibracore that can be attached to small equipment to access remote locations. We also have hand augers to obtain samples at various depths for use in classification and stratification of soil deposits. This equipment can be used in association with handheld piston samplers to obtain small diameter samples. Finally, we operate a dynamic cone penetrometer (DCPT) 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 collaboration and

efficiency. The improved access and reliability will save time and money in the planning, design, analysis, construction, and operation of infrastructure projects.

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

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

Laboratory Staffing

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

Laboratory Quality Control

In our effort to ensure the quality of our laboratory and materials testing, our programs are regularly inspected by outside agencies such as the U.S. Army Corps of Engineers, 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
Asphalt	Soil	Asphalt
Concrete	Concrete	Concrete
Masonry	Masonry	Soil
Soil	Spray Fire-Resistive Material	Spray Fire-Resistive Material

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

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

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

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

Signature: 
Title: President

Print Name: Gwendolyn P. Sanders, P.E.
Date: 22 March 2023



OFFICE LOCATIONS:



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