



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

SOQ 23-001 Professional Architectural and Engineering Services on an as-needed basis for architectural type projects located throughout the Parish for an approximate two-year period
Jefferson Parish Government

Project documents obtained from www.CentralBidding.com

09-Jan-2023 12:56:23 PM

Technical Evaluation Committee (TEC) Questionnaire

Instructions

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

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 23-001, Resolution No. 140999

Professional Architectural and Engineering Services on an as-needed basis for architectural type projects located throughout the Parish for an approximate two-year period.

B. Firm Name & Address:

Studio Kiro LLC
1229 Saint Thomas St.
Suite A
New Orleans, LA 70130

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

Miwako Hattori, AIA, LEED AP BD+C
Principal
Registered Architect - Louisiana #5677
504.432.9583
miwako@studiokiro.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.

John Mouton, NCARB
Studio Director
Registered Architect - Louisiana #9120
504.533.1850
john@studiokiro.com

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

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

F. Is this submittal by a JOINT-VENTURE? Please check: YES

NO

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

TEC Professional Services Questionnaire

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

1. N/A

2. N/A

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

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

| Name & Address: | Specialty: | Worked with Firm Before (Yes or No): |
|---|--|--------------------------------------|
| 1. Patrick Michaels, PLA, PMP, ASLA, LEED AP, NGICP Landscape Architect, Patch LA 225.281.4569 patrick@thepatchstudio.com 735 N 8th St., Baton Rouge, LA 70802 | Landscape Design Scope of work to include all landscape architecture | Yes |
| 2. Heidi Romero Gremillion, P.E. Mechanical Engineer, HG Engineering 504.236.8721 heidi@hgenola.com P.O. Box 56801 New Orleans, LA 70156 Women Owned | Mechanical and Plumbing Engineering including Fire Protection Scope of work to include all MEP | Yes |
| 3. Raymond Nolan, P.E. Electrical Engineer, Creative Engineering Group, LLC 985.249.5706 rnolan@ceg-itl.com 201 Highland Park Plaza, Covington, LA 70433 Hudson Initiative | Electrical Engineering including Communication and Fire Alarm System Scope of work to include Fire Protection, Communications/ Tech Engineering | Yes |

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

10

TEC Professional Services Questionnaire

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

1. N/A

2. N/A

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

YES NO N/A

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

| Name & Address: | Specialty: | Worked with Firm Before (Yes or No): |
|--|---|--------------------------------------|
| 1. Jonathan Sofranko, P.E. Civil/Structural Engineer, Morphy Makofsky Inc. 504.488.1317 ext. 1185 j_sofranko@mmi-eng.com 336 N Norman C Francis Parkway Hudson Initiative | Structural Engineering Scope of work to include all Structural engineering | Yes |
| 2. Gwendolyn P. Sanders, P.E. President Civil Engineer, Eustis Engineering LLC 504.834.0157 gsanders@eustiseng.com 3011 28th St. Metairie, LA 70002 | Civil Engineering Scope of work to include all Civil engineering | Yes |
| 3. N/A | N/A | N/A |

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

10

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Miwako Hattori, AIA, LEED AP BD+C
Principal



Project Assignment:

Project Manager / Architect - Day to Day Contact

Name of Firm with which associated:

Studio Kiro

Years' experience with this Firm:

4.5 years
20 years with other firms

Education: Degree(s)/Year/Specialization:

Masters of Architecture, North Carolina State University, School of Design, Raleigh, NC
Kunsthochschule Berlin Hochschule für Gestaltung Berlin, Germany
Special Studies in Architecture Czech University of Technology, Prague, Czech Republic
Bachelor of Housing Design, Japan Women's University, Tokyo, Japan


Active registration: Year first registered/discipline:

Registered Architect - Louisiana #5677
NCARB Certified since 2001


Other experience and qualifications relevant to the proposed Project:

A design and detail-oriented licensed Architect with over 20 years of experience across a broad range of project types and scales throughout the United States, Germany, and Japan. Her expertise includes Educational Projects, Programming, Conceptualization and, Budgeting phases of the project so the client's vision can be implemented through construction. Miwako is also interested in designing "inside-out" with a focus on users' well-being within the space/environment. She frequently collaborates with design experts locally and internationally to deliver the most enriched product for the client. Her hands-on approach consists of a continuous transparent dialogue with the client, user groups, and collaborators. Educational project experience includes NOCCA window replacement, Xavier University Student Lounge, Xavier University Art Village, Operation Spark Master Plan, Nunez Community College Aerospace/STEAM Building, and Tulane University ADA Feasibility Study.


TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: | |
|--|---|
| Name & Title: |  |
| John Mouton, NCARB Studio Director | |
| Project Assignment: | |
| Project Architect | |
| Name of Firm with which associated: | |
| Studio Kiro | |
| Years' experience with this Firm: | |
| 2.5 years 10 years with other firms | |
| Education: Degree(s)/Year/Specialization: | |
| Bachelor of Architecture, Louisiana State University, Baton Rouge, LA | |
| Active registration: Year first registered/discipline: | |
| Registered Architect - Louisiana #9120 NCARB Certified since 2019 | |
| Other experience and qualifications relevant to the proposed Project: | |
| John has 10 years experience working on residential, multifamily, commercial, and institutional projects in his native city of New Orleans and in, as well as, states across the Gulf South. He is interested in efficient, uncomplicated building forms and holistic approaches to accessibility, sustainability, and budget. In his work, volunteer service, and design process, John prioritizes centering the needs of communities historically under-served by the architectural profession. Educational project experience includes NOCCA window replacement, Xavier University Art Village, Operation Spark Master Plan, Tulane University ADA Feasibility Study, Mussafer Hall at Tulane University. | |


TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: | |
|---|---|
| Name & Title: |  |
| Francie Abell, RID Director of Interior Design | |
| Project Assignment: | |
| Senior Interior Designer | |
| Name of Firm with which associated: | |
| Studio Kiro | |
| Years' experience with this Firm: | |
| 2.5 years 10 years with other firms | |
| Education: Degree(s)/Year/Specialization: | |
| Bachelor of Interior Design, Minor of Fine Arts, Louisiana State University, Baton Rouge, LA | |
| Active registration: Year first registered/discipline: | |
| Registered Interior Designer - Louisiana #1467 RID Certified since 2015 | |
| Other experience and qualifications relevant to the proposed Project: | |
| <p>A licensed Interior Designer with a passion for design and the arts.</p> <p>Her professional background includes 10 years of experience in aviation, education, hospitality, corporate office, and public building design in Dallas and New Orleans. Francie's goal for every project is to create beautiful, functional spaces so that its users are inspired and thrive. Her expertise and interests include conceptual design, space planning and code analysis, construction drawings, 3D modeling and rendering, and finish and color selections. She enjoys working on teams with a variety of professional backgrounds and believes this is an essential aspect of a successful project. She is also a professional oil painter and is enjoying designing her mid-century modern home. Educational project experience includes Xavier University Student Lounge, Xavier University Art Village, Operation Spark Master Plan, Nunez Community College Aerospace/STEAM Building, and Tulane University ADA Feasibility Study.</p> | |


TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: | |
|--|---|
| Name & Title: David Glasgow, RA, NCARB Senior Architect |  |
| Project Assignment: QC / Specifications | |
| Name of Firm with which associated: Studio Kiro | |
| Years' experience with this Firm: 2.5 years 25 years with other firms | |
| Education: Degree(s)/Year/Specialization: Master of Architecture, Tulane University, School of Architecture, New Orleans, LA University of Alaska, Anchorage, AK. Art Stanford University, Palo Alto, CA, BS of CE Stanford in Berlin, Berlin, W. Germany, Fall 1988 Rensselaer Polytechnic Institute, Troy, NY, Summer 1984 | |
| Active registration: Year first registered/discipline: Registered Architect - Louisiana #5595 NCARB Certified since 2002 | |
| Other experience and qualifications relevant to the proposed Project: A design and technically-oriented Architect with over twenty (20) years of experience in Architecture in Louisiana, Mississippi, and Arkansas. His experience includes master planning, programming, design development, construction design, and construction administration on jobs ranging from large to small hospitality projects, mid-sized mercantile project, luxury modular home development, restaurant renovations and conversions of existing spaces to restaurant and bar developments. Additionally, he has worked extensively on home constructions from economy developments to high end residential renovations and additions. Work projects have ranged from new residences and vacation homes, renovations of luxury homes, private mercantile and building. Educational project experience includes NOCCA window replacement, Xavier University Student Lounge, Xavier University Art Village, Operation Spark Master Plan, Nunez Community College Aerospace/STEAM Building, and Tulane University ADA Feasibility Study. | |

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: | |
|---|---|
| Name & Title: |  |
| Ryan Green | |
| Project Assignment: | |
| Architectural Designer | |
| Name of Firm with which associated: | |
| Studio Kiro | |
| Years' experience with this Firm: | |
| 1.5 years 2 years with other firms | |
| Education: Degree(s)/Year/Specialization: | |
| Master of Architecture, Tulane University, School of Architecture, New Orleans, LA Master of Historic Preservation, Tulane University, School of Architecture, New Orleans, LA. Bachelor of Science in Architecture, University of Minnesota, College of Design, Minneapolis, MN | |
| Active registration: Year first registered/discipline: | |
| N/A | |
| Other experience and qualifications relevant to the proposed Project: | |
| <p>Ryan is a recent graduate of Tulane University with a masters in architecture and masters in historic preservation. Before moving to New Orleans, he received his undergraduate degree at the University of Minnesota located in his home town, Minneapolis. There he also spent two years working with a firm that specializes in educational and government projects. Studio Kiro has given him the opportunity to expand his project experience to residential and commercial projects. Inspired by the beauty of historic buildings, Ryan loves the process of problem solving that comes when working on adapting existing structures. He is inspired by the discussions had with clients, finding listening to their goals and needs as integral to creating a beautiful functioning space. Educational project experience includes Xavier University Art Village.</p> | |

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: | |
|---|---|
| Name & Title: |  |
| Brianna Baldwin | |
| Project Assignment: | |
| Architectural Designer | |
| Name of Firm with which associated: | |
| Studio Kiro | |
| Years' experience with this Firm: | |
| 1 year 1 year with other firms | |
| Education: Degree(s)/Year/Specialization: | |
| Master of Architecture, Tulane University, School of Architecture, New Orleans, LA. Graduation Date: Spring 2023 Bachelor of Arts in Architecture, Minor of Art, Clemson University, School of Architecture, Clemson, SC Charles E. Daniel Center, Clemson University, School of Architecture, Genoa, Italy, Spring 2020 | |
| Active registration: Year first registered/discipline: | |
| N/A | |
| Other experience and qualifications relevant to the proposed Project: | |
| Brianna is a graduate student at Tulane University School of Architecture in pursuit of becoming a licensed architect. She is a recent graduate of Clemson University with an undergraduate degree in architecture with a minor in art focusing on printmaking. While attending Clemson she studied abroad in Genoa, Italy at the Charles E. Daniel Center traveling across Italy and Europe studying Italian architectural history, contemporary design, urban practices, culture and field sketching. Her professional background includes working in Charlotte, NC on large scale commercial projects. Experiences through problem solving within her education, exploration of cultures, and personal impacts of daily life is the momentum for her passion of design. Educational project experience includes Xavier University Art Village. | |

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: | |
|---|--|--------------------------------------|
| New Orleans Center for Creative Arts (NOCCA) Window Replacement Renovation Project Architect: Miwako Hattori, AIA, LEED AP BD+C Location: 2800 Chartres St., New Orleans, LA 70117 User Group: NOCCA Contact: Betty Coulon, Procurement & Special Projects Manager 504.940.2865, bcoulon@nocca.com | Basic Architectural Services. Architect of Record. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 06/17/2022 (A) | \$499,600 | fee \$30,000 |

PROJECT NO. 2

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
|---|--|--------------------------------------|
| Albert Dent School Interior Renovation Interior Renovation for areas damaged by Hurricane Ida Project Architect: Miwako Hattori, AIA, LEED AP BD+C Location: Orleans Parish Client: Orleans Parish School Board Contact: Isaac Williams, Project Manager 504-359-9587, iwilliams@nolapublicschools.com | Basic Architectural Services. Architect of Record. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| Waiting for contract to be executed | \$132,000 (E) | fee \$16,649 |

TEC Professional Services Questionnaire

| PROJECT NO. 3 | | |
|---|--|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility | |
| Sylvanie Williams School Renovation Building envelope repairs and fire alarm replacements Project Architect: Miwako Hattori, AIA, LEED AP BD+C Location: Orleans Parish Client: Orleans Parish School Board Contact: Greg Narlock, Director of Capital Projects 504.359.9554, gnarlock@nolapublicschools.com | Basic Architectural Services. Architect of Record. | |
| Completion Date (Actual or estimated) | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| Waiting for contract to be executed | \$455,000 (E) | fee \$16,649 |

| PROJECT NO. 4 | | |
|---|--|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Sophie B. Wright Charter School Exterior window repairs and partial roof repair Project Architect: Miwako Hattori, AIA, LEED AP BD+C Location: Orleans Parish Client: Orleans Parish School Board Contact: Greg Narlock, Director of Capital Projects 504.359.9554, gnarlock@nolapublicschools.com | Basic Architectural Services. Architect of Record. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| Waiting for contract scope to be determined | To be determined. | To be determined. |

TEC Professional Services Questionnaire

| PROJECT NO. 5 | | |
|--|---|--------------------------------------|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Xavier University of Louisiana Pharmacy and NCF Student Lounge non-structural renovation Project Architect: Miwako Hattori, AIA, LEED AP BD+C Location: 1 Drexel Drive, New Orleans, LA 70125 Client: Xavier University of Louisiana Contact: Bruce J. Hamilton, Director of Building Services Xavier University of Louisiana Work: 504.520.7509, bjhamilt@xula.edu | Space Layout and FF&E Services | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| June 2020 (A) | \$100,000 | fee \$4,000 |

| PROJECT NO. 6 | | |
|--|---|--------------------------------------|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| The Dew Drop Inn Hotel & Music Venue Renovation Project Architect: Miwako Hattori, AIA, LEED AP BD+C Location: 2836 Lasalle St., New Orleans, LA 70115 Client: Iris Development Contact: Curtis Doucette Jr., Co-Founder, Chief Executive Officer 504.621.9337, cdoucetter@irisdevco.com | Architectural Services, Interior Design, Historical Tax Credits | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| June 2023 (E) In Construction | \$5,500,000 (E) | fee \$180,000 |

TEC Professional Services Questionnaire

| PROJECT NO. 7 | | |
|--|--|--------------------------------------|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Jefferson Parish Project SNO LA Snowball Stand & Site Work Project Architect: Miwako Hattori, AIA, LEED AP BD+C Location: 9225 Jefferson Highway, Jefferson Parish Client: SNO-LA LLC Contact: Kerry & Monica Crossley snolallc@gmail.com | Basic Architectural Services. Architect of Record. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| April 2023 (E) | \$150,000 (E) | fee \$20,000 |

| PROJECT NO. 8 | | |
|--|---|--------------------------------------|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Operation Spark Renovation and Master Plan Project Architect: Miwako Hattori, AIA, LEED AP BD+C Location: 514 Franklin Ave, New Orleans, LA 70117 Client: Operation Spark Contact: Pam Stewart pam@operationspark.org | Master Planning, Architectural Services | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| April 2023 (E) | \$100,000 (E) | fee \$7,000 |

TEC Professional Services Questionnaire

| PROJECT NO. 9 | | |
|--|--|--------------------------------------|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Sankofa Fresh Stop Market Community Market and Teaching Kitchen Project Architect: John Mouton, RA, NCARB Client: Sankofa CDC Contact: Rashida Ferdinand, Founder, Chief Executive Officer 504.872.9214 | Basic Architectural Services. Architect of Record. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| June 2023 (E) In Construction | \$550,000 (E) | fee \$20,000 |

| PROJECT NO. 10 | | |
|---|--|--------------------------------------|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Xavier University of Louisiana Art Village Exhibit & Outdoor Renovation Project Architect: Miwako Hattori, AIA, LEED AP BD+C Location: 1 Drexel Drive, New Orleans, LA 70125 Client: Xavier University of Louisiana Contact: Bruce J. Hamilton, Director of Building Services Xavier University of Louisiana Work: 504.520.7509, bjhamilt@xula.edu | Architectural Services and Interior Design | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| August 2023 (E) | \$100,000 | fee \$20,000 |

TEC Professional Services Questionnaire

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

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

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

Studio Kiro is an architectural and design firm based in New Orleans, Louisiana. Studio Kiro offers full-service architectural, interior design, and planning services for Commercial, Cultural, Educational, and Residential projects. We believe that architectural space should relate to its cultural, climactic, and urban or natural context. New places and spaces that reflect clients' and users' desired life approaches should enhance and give energy to the existing surroundings and become a part of the community.

The firm is woman-owned and certified as a SEBD, SLDBE, LAUCP, and Hudson Initiative.

Our design services include full architectural and interior design services. This can include zoning and code analysis, programming, urban planning, community meeting facilitation, FF&E selection, and procurement. Our design process includes 3D digital modeling as well as physical sketch modeling for visualization.

Studio Kiro provides a holistic, hands-on with the client fostering a transparent dialogue from the beginning of the project through construction. We balance big-picture ideas with attention to detail and respect for the project budget so that the project goals can be fully realized.

Miwako Hattori has extensive experience with large and small institutional design construction and construction administration. We have worked with major universities such as Xavier University of Louisiana and Civic institutions such as the New Orleans Ernest N. Morial Convention Center.

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

Signature: 

Print Name: Miwako Hattori

Title: Principal

Date: 01/19/2023

PATCH LA (LANDSCAPE)



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

SOQ 23-001 Professional Architectural and Engineering Services on an as-needed basis for architectural type projects located throughout the Parish for an approximate two-year period
Jefferson Parish Government

Project documents obtained from www.CentralBidding.com

09-Jan-2023 12:56:23 PM

Technical Evaluation Committee (TEC) Questionnaire

Instructions

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

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 23-001 Professional Architectural and Engineering Services

B. Firm Name & Address:

Patch Landscape Architecture
735 N. 8th Street
Baton Rouge, LA 70802

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:

Patrick Michaels, Principal Landscape Architect
ph. 225-281-4569
em. patrick@thepatchstudio.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.

Patrick Michaels, Principal Landscape Architect
ph. 225-281-4569
em. patrick@thepatchstudio.com

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

| | | |
|--|--|---|
| <input type="checkbox"/> Administrative | <input type="checkbox"/> Estimators | <input type="checkbox"/> Specification Writers |
| <input type="checkbox"/> Architects (Licensed) | <input type="checkbox"/> Geologists | <input type="checkbox"/> Structural Engineers |
| <input type="checkbox"/> Chemical Engineers | <input type="checkbox"/> Geotechnical Engineers | <input type="checkbox"/> Graduate Engineers |
| <input type="checkbox"/> Civil Engineers | <input type="checkbox"/> Interior Designers | <input type="checkbox"/> Project Managers |
| <input type="checkbox"/> Construction Inspectors | <input checked="" type="checkbox"/> Landscape Architects | <input type="checkbox"/> Clerical |
| <input type="checkbox"/> Ecologists | <input type="checkbox"/> Land Surveyor | <input type="checkbox"/> Grant/Funding Specialist |
| <input type="checkbox"/> Electrical Engineers | <input type="checkbox"/> Mechanical Engineers | <input type="checkbox"/> Sanitary Engineers |
| <input type="checkbox"/> Engineer Intern | <input type="checkbox"/> Environmental Engineers | |
| <input type="checkbox"/> Professional Land Surveyors | | ___ 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.

NA

2.

NA

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. NA | | |
| 2. NA | | |
| 3. NA | | |

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

2

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:

Patrick Michaels, Principal Landscape Architect

Project Assignment:

Principal in Charge/Landscape Architect

Name of Firm with which associated:

Patch Landscape Architecture

Years' experience with this Firm:

8

Education: Degree(s)/Year/Specialization:

Masters of Landscape Architecture/2008/Landscape Architecture

Active registration: Year first registered/discipline:

2010/Landscape Architecture

Other experience and qualifications relevant to the proposed Project:

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: | |
|--|---|
| Name & Title: | Charlotte Aaron, Principal |
| Project Assignment: | Landscape Design Director |
| Name of Firm with which associated: | Patch Landscape Architecture |
| Years' experience with this Firm: | 5 |
| Education: Degree(s)/Year/Specialization: | Masters of Landscape Architecture/2008/Landscape Architecture |
| Active registration: Year first registered/discipline: | Horticulture/2019 |
| Other experience and qualifications relevant to the proposed Project: | |

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>Jefferson Parish Covid Memorial Park Marrero, Louisiana</p> <p>Owner: Jefferson Parish Prime Consultant: Manning Architects Principal in Charge: Tighe Kirkland 504-412-2000 tbk@manning.xyz</p> | <p>Descriptions: New Memorial for Jefferson Parish citizens that died due to Covid 19. The memorial is set in a new park that includes trails, native plantings, stormwater biocells, and gathering pavilions.</p> <p>Firm's Responsibility: Landscape Architect</p> |
| Completion Date (Actual or estimated): | Estimated Cost: |
| | <div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;"> Entire Project: </div> <div style="width: 45%; text-align: center;"> Work for which Firm was Responsible: </div> </div> |
| <p>Design – December 2022; Construction – Q2 2023</p> | <div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;"> <p>\$2.5m</p> </div> <div style="width: 45%; text-align: center;"> <p>\$350,000</p> </div> </div> |

PROJECT NO. 2

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: |
|---|---|
| <p>Jefferson Parish Farmer's Market Marrero, Louisiana</p> <p>Owner: Jefferson Parish Prime Consultant: Manning Architects Principal in Charge: Tighe Kirkland 504-412-2000 tbk@manning.xyz</p> | <p>Descriptions: New Farmer's Market in Jefferson Parish in Marrero. The project includes new parking areas, permeable paving and landscape design, vendor areas, bioswales, and bicycle parking.</p> <p>Firm's Responsibility: Landscape Architect</p> |
| Completion Date (Actual or estimated): | Estimated Cost: |
| | <div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;"> Entire Project: </div> <div style="width: 45%; text-align: center;"> Work for which Firm was Responsible: </div> </div> |
| <p>Completion Date: Design – December 2022; Construction – Q2 2023</p> | <div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;"> <p>\$3.2m</p> </div> <div style="width: 45%; text-align: center;"> <p>\$450,000</p> </div> </div> |

TEC Professional Services Questionnaire

| PROJECT NO. 3 | | |
|---|---|--------------------------------------|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility | |
| Jefferson Parish Splashpad Marrero, Louisiana Owner: Jefferson Parish Prime Consultant: Manning Architects Principal in Charge: Tighe Kirkland 504-412-2000 tbk@manning.xyz | Descriptions: New Splashpad in Marrero, LA. In addition to the new splashpad, the project includes new native tree planting, bench seating, and gathering pavilions. Firm's Responsibility: Landscape Architect | |
| Completion Date (Actual or estimated) | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| Completion Date: Design – December 2022; Construction – Q2 2023 | \$1.25m | \$150,000 |

| PROJECT NO. 4 | | |
|--|---|--------------------------------------|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| 4. North Wastewater Treatment Plant Landscape Buffer Baton Rouge, Louisiana Owner: Justin Sharper, P.E. Wastewater Treatment Plant Manager City of Baton Rouge/Parish of EBR Department Environmental Services 2850 Gardere Lane Baton Rouge, LA 70820 225-389-3136 (phone) jsharper@brla.gov | Description: 14 Acre Landscape Buffer between neighborhood and treatment plant. Over 1200 trees planted; 6 acres of native prairie meadow; stormwater management; air quality Firm's responsibility: Project management, construction management, owner's representative | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| Completion date: 12/2019 | \$1.15m | \$1.15m |

TEC Professional Services Questionnaire

| PROJECT NO. 5 | | |
|---|--|--------------------------------------|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Baker High School Redevelopment Baker, Louisiana Owner: Baker School District Prime Consultant: Manning Architects Principal in Charge: Dominic Willard 504-412-2000 dwillard@manningarchitects.com | Descriptions: Renovation and new construction of High School flooded in 2016. Stormwater management; landscape design; outdoor circulation and courtyards; streetscape Firm's Responsibility: Landscape Architect | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| Design – August 2018; Construction – TBD | \$17m | \$600,000 |

| PROJECT NO. 6 | | |
|---|---|--------------------------------------|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Build Baton Rouge Mixed-Use Development Baton Rouge, Louisiana Owner: Build Baton Rouge Prime Consultant: Manning Architects Principal in Charge: Conway Cristina, AIA 504-412-2000 ccristina@manningarchitects.com | Description: Design of a transformative mixed-use development campus in North Baton Rouge. The design includes streetscape, courtyard, parking lot, and green infrastructure. Firm's responsibility: Landscape Architect | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| Design: 2020; Construction: TBD | \$15m | \$300,000 |

TEC Professional Services Questionnaire

| PROJECT NO. 7 | | |
|--|--|--------------------------------------|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| <p>Ochsner Center for Nursing and Allied Health at Delgado Community College New Orleans, Louisiana</p> <p>Owner: Delgado Community College Prime Consultant: Manning Architects Principal in Charge: Dominic Willard, AIA 504-412-2000 dwillard@manningarchitects.com</p> | <p>Description: Landscape design and tree preservation of historic Live Oak trees at the</p> <p>Firm's responsibility: Landscape Architect</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| Design: 2022; Construction: 2023 | \$14m | \$275,000 |

| PROJECT NO. 8 | | |
|--|---|--------------------------------------|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| <p>New Orleans Redevelopment Authority (NORA) New Orleans, Louisiana</p> <p>Owner: NORA Prime Consultant: Studio Kiro Principal in Charge: Miwako Hattori 504-432-9583 miwako@studiokiro.com</p> | <p>Description: Design residential design prototype houses and sites to be energy efficient, storm resilient, and manage stormwater on site.</p> <p>Firm's Responsibility: Landscape Architecture</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| Estimated completion: 2023 | \$600,000 | \$70,000 |

TEC Professional Services Questionnaire

| PROJECT NO. 9 | | |
|---|--|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| <p>Nora Navra Library New Orleans, Louisiana</p> <p>Owner: New Orleans Public Library System Prime Consultant: Manning Architects Principal in Charge: Dominic Willard, AIA 504-412-2000 dwillard@manningarchitects.com</p> | <p>Description: New construction of a historic public library damaged during Hurricane Katrina</p> <p>Firm's responsibility: Landscape Architect</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| Completion Date: September 2018 | \$5m | \$100,000 |

| PROJECT NO. 10 | | |
|--|---|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| <p>16. Anna T. Jordan Park Baton Rouge, Louisiana</p> <p>Owner: BREC Owner representative: Reed Richard 225-273-6405 EXT 369 rrichard@brec.org</p> | <p>Description: Landscape design and master planning services for community level park and playground renovation.</p> <p>Firm's responsibility: Landscape Architect</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| Est. Completion Date: 2023/2024 | \$600,000 | \$600,000 |

TEC Professional Services Questionnaire

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

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

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

Jefferson Parish
State of Louisiana

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

Signature: Patrick Michaels Print Name: Patrick Michaels
 Title: Principal Date: 1/19/2023

HG ENGINEERING (MECHANICAL,
PLUMBING, AND SPRINKLER SYSTEM)



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

SOQ 23-001 Professional Architectural and Engineering Services on an as-needed basis for architectural type projects located throughout the Parish for an approximate two-year period
Jefferson Parish Government

Project documents obtained from www.CentralBidding.com

09-Jan-2023 12:56:23 PM

Technical Evaluation Committee (TEC) Questionnaire

Instructions

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

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 23-001, Resolution No. 140999

Professional Architectural and Engineering Services on an as-needed basis for architectural type projects located throughout the Parish for an approximate two-year period.

B. Firm Name & Address:

HG Engineering, LLC
P.O. Box 56801
New Orleans, LA 70156-6801

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:

Heidi R. Gremillion
Mechanical Engineer
504-233-3736
heidi@hgenola.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.

Heidi R. Gremillion
Mechanical Engineer
504-233-3736
heidi@hgenola.com

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

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

F. Is this submittal by a JOINT-VENTURE? Please check: YES

NO

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

TEC Professional Services Questionnaire

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

1. NA

2. NA

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

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. NA | | |
| 2. NA | | |
| 3. NA | | |

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

4

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:

Heidi R. Gremillion
Mechanical Engineer

Project Assignment:

HVAC and Plumbing engineering design
Professional in Charge

Name of Firm with which associated:

HG Engineering, LLC

Years' experience with this Firm:

25 years

Education: Degree(s)/Year/Specialization:

BS Mechanical Engineering 1992
MS Mechanical Engineering 1994

Active registration: Year first registered/discipline:

Professional Engineering License in Louisiana in 1997 LA-27958

Other experience and qualifications relevant to the proposed Project:

Heidi Gremillion is mechanical engineer and Principal of Record for HG Engineering. Her responsibilities include design and field coordination of the HVAC, heat load analysis, plumbing design, equipment selection that includes air conditioning system, fixtures, exhaust systems and commercial kitchen hood design, writing specifications, CAD design and drafting.

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>Dew Drop Inn 2836 Lasalle Street New Orleans, LA 70115</p> | <p>Provided mechanical and plumbing engineering design for the boutique hotel. Mechanical design included a variable refrigerant heat recovery system with ceiling cassettes, concealed air handling units, DOAS systems and commercial kitchen hood system. Plumbing design included new fixtures in Guest Rooms, public restrooms, Kitchen and bars. All new water, sewer, vent and sprinkler piping utilized throughout. New gas tankless water heaters installed.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| Under Construction | | |

PROJECT NO. 2

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
|---|---|--------------------------------------|
| <p>St Tammany Parish Administration Bldg Mandeville, La. St. Tammany Parish Government 21490 Koop Dr. Mandeville, La. 985-898-2700</p> | <p>Major renovation of Administration Bldg and Parish President Office. Provided HVAC, Plumbing and Fire Protection</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2015 | \$2 million | \$400,000 |

TEC Professional Services Questionnaire

| PROJECT NO. 3 | | |
|--|--|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility | |
| Allemands Elementary School Classroom Additions St. Charles Parish Public School System | New standalone classroom building. Provided HVAC, Plumbing and Fire Protection | |
| Completion Date (Actual or estimated) | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2016 | \$8.5 million | \$5 million |

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

TEC Professional Services Questionnaire

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

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

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

We are a licensed mechanical engineering firm that specializes in HVAC, plumbing and fire protection design. We would be responsible for 100% HVAC and 100% plumbing engineering design for any commercial and institutional buildings. Our engineering design shall include heat load analysis to size and select HVAC systems; calculate sewer & water main loads; coordinate with all disciplines on design of facility; locate and size fire protection sprinkler system; provide specifications; CAD design/draft of all mechanical and plumbing systems, etc.

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

Signature: Heidi R. Gremillion Print Name: Heidi R. Gremillion

Title: Principal Date: 01/19/23

**CREATIVE ENGINEERING GROUP
(ELECTRICAL AND FIRE ALARM SYSTEM)**

Technical Evaluation Committee (TEC) Questionnaire

Instructions

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

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 23-001 Professional Architectural and Engineering Services on an As-Needed Basis for Architectural Projects located throughout the Parish

Resolution No. 140999

B. Firm Name & Address:

**Creative Engineering Group LLC
201 Highland Park Plaza
Covington, LA 70433**

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

Ray Nolan P.E.
Engineer/Owner
rnolan@ceg-itl.com
985-249-5706

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.

Same as above

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

| | | |
|--|--|---|
| <input type="checkbox"/> Administrative | <input type="checkbox"/> Estimators | <input type="checkbox"/> Specification Writers |
| <input type="checkbox"/> Architects (Licensed) | <input type="checkbox"/> Geologists | <input type="checkbox"/> Structural Engineers |
| <input type="checkbox"/> Chemical Engineers | <input type="checkbox"/> Geotechnical Engineers | <input type="checkbox"/> Graduate Engineers |
| <input type="checkbox"/> Civil Engineers | <input type="checkbox"/> Interior Designers | <input type="checkbox"/> Project Managers |
| <input type="checkbox"/> Construction Inspectors | <input type="checkbox"/> Landscape Architects | <input type="checkbox"/> 1 Clerical |
| <input type="checkbox"/> Ecologists | <input type="checkbox"/> Land Surveyor | <input type="checkbox"/> Grant/Funding Specialist |
| <input type="checkbox"/> 1 Electrical Engineers | <input type="checkbox"/> Mechanical Engineers | <input type="checkbox"/> Sanitary Engineers |
| <input type="checkbox"/> 1 Engineer Intern | <input type="checkbox"/> Environmental Engineers | <input type="checkbox"/> 2 AutoCAD |
| <input type="checkbox"/> Professional Land Surveyors | | <u>5</u> TOTAL |

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

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

TEC Professional Services Questionnaire

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

1. N/A

2. N/A

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

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

| Name & Address: | Specialty: | Worked with Firm Before (Yes or No): |
|--|------------------------|--------------------------------------|
| Creative Engineering Group LLC 201 Highland Park Plaza Covington, LA 70433 | Electrical Engineering | Yes |
| | | |
| | | |
| | | |
| | | |
| | | |

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

5

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Ray Nolan P.E.
Owner & Senior Engineer

Project Assignment:

Electrical Engineer

Name of Firm with which associated:

Creative Engineering Group LLC

Years' experience with this Firm:

16 years

Education: Degree(s)/Year/Specialization:

BSEE/1991/Electrical Engineering
MSEE/1994/Electrical Engineering

Active registration: Year first registered/discipline:

1997/Electrical Engineering

Other experience and qualifications relevant to the proposed Project:

Over 25 year's experience in electrical engineering, including power distribution, emergency generators, lighting and controls, fire alarm systems, telephone and data infrastructure, intercom and security systems. Experience with hospitals, schools, fire and police stations, safe rooms and emergency operations centers, office buildings, hotels & apartments, maintenance shops, assembly occupancies and more.

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

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: | |
|---|---|---|
| Jefferson Parish DA's Second Floor Buildout 200 Derbigny St. Gretna, LA 70053 | Electrical Engineer – Power, Lighting and Special Systems | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| April 2019 | \$262,800 | \$62,577 |

PROJECT NO. 2

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
|--|---|---|
| Orleans Levee District – Police Station | Electrical Engineer – Power, Lighting and Special Systems. Emergency generator. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| November 2018 | \$3,185,000 | \$424,800 |

TEC Professional Services Questionnaire

| PROJECT NO. 3 | | |
|--|--|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility | |
| Orleans Levee District – 6920 Franklin Ave. | Electrical Engineer - Power, Lighting and Special Systems. Replacement of existing 1750 kW generator with (2) 800 kW in parallel. Design for paralleling switchgear. | |
| Completion Date (Actual or estimated) | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| September 2019 | \$5,500,000 | \$1,468,000 |

| PROJECT NO. 4 | | |
|--|--|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Recreation District 1 - Kentwood | Electrical Engineer – Design of electrical service and power distribution for ball field and parking lighting. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| May 2021 | \$750,000 | \$81,000 |

TEC Professional Services Questionnaire

| PROJECT NO. 5 | | |
|--|--|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| St. Tammany Parish Hospital – New South Tower | Electrical Engineer – Power, Lighting and Special Systems. New Generator paralleled with existing. Lightning protection. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| March 2021 | \$54,000,000 | \$10,000,000 |

| PROJECT NO. 6 | | |
|--|---|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Covington Fire Station | Electrical Engineer – Power, Lighting and Special Systems for Addition of new truck bay at existing fire station. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| April 2019 | \$648,000 | \$54,000 |
| | | |

TEC Professional Services Questionnaire

| PROJECT NO. 7 | | |
|--|--|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Mandeville High School New Classroom Building | Electrical Engineer – Power, Lighting and Special Systems for new 3 story classroom building. Project included and addition to the gym, as well as, a generator for a fire pump. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| March 2021 | \$13,500,000 | \$500,000 |

| PROJECT NO. 8 | | |
|--|--|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Nunez Community College – Building B Hurrican Repairs | Electrical Engineer – Power, Lighting and Special System Repairs based on FEMA PW for Hurricane Katrina. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| September 2018 | \$890,000 | \$299,500 |

TEC Professional Services Questionnaire

| PROJECT NO. 9 | | |
|--|--|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Acension Parish School Board – Office and Warehouse Building | Electrical Engineer – Power, Lighting, and Special Systems for Building replacement due to flood damage, | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| July 2020 | \$3,200,000 | \$400,000 |

| PROJECT NO. 10 | | |
|--|---|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Causeway Bridge Police Building | Electrical Engineer – Power, Lighting and Special Systems for new Building on Northshore. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| February 2017 | \$600,000 | \$80,000 |

TEC Professional Services Questionnaire

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

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

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

Creative Engineering Group (CEG) has a qualified staff providing electrical engineering services. Previous projects include hospitals, schools, fire and police stations, office buildings, sports field lighting, storage and warehouse facilities, theaters and performing arts centers and many more. Design experience includes electrical service and power distribution, generators, lighting and lighting controls, UPS systems, lightning protection, fire alarm systems, telephone/data infrastructure, intercom and paging systems, nurse call, and security systems. CEG uses the latest software to calculate lighting levels and can prepare construction documents in either AutoCad or Revit.

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

Signature:  _____ Print Name: Ray Nolan

Title: Owner Date: 1-19-2023

MORPHY MAKOFISKY (CIVIL AND
STRUCTURAL)



CENTRALBIDDING

FROM CENTRAL AUCTION HOUSE

**SOQ 23-001 Professional Architectural and Engineering Services on an
as-needed basis for architectural type projects located throughout the
Parish for an approximate two-year period**
Jefferson Parish Government

Project documents obtained from www.CentralBidding.com

04-Jan-2023 11:25:06 AM

Technical Evaluation Committee (TEC) Questionnaire

Instructions

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

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 23-001 Professional Architectural and Engineering Services on an as-needed basis for architectural type projects located throughout the Parish for an approximate two-year period

B. Firm Name & Address:

Morphy, Makofsky, Inc.
336 N. Norman C. Francis Pkwy.
New Orleans LA 70119

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

Jamie L. Saxon, PE
President
336 N. Norman C. Francis Pkwy.
New Orleans LA 70119
(504) 488-1317
j_saxon@mmi-eng.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.

Jonathan A. Sofranko, PE
Secretary/Treasurer
336 N. Norman C. Francis Pkwy.
New Orleans LA 70119
(504) 488-1317
j_sofranko@mmi-eng.com

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

| | | |
|---|-------------------------------------|--------------------------------------|
| <u>2</u> Administrative | <u> </u> Estimators | <u>1</u> Specification Writers |
| <u> </u> Architects (Licensed) | <u> </u> Geologists | <u>5</u> Structural Engineers |
| <u> </u> Chemical Engineers | <u> </u> Geotechnical Engineers | <u> </u> Graduate Engineers |
| <u>1</u> Civil Engineers | <u> </u> Interior Designers | <u> </u> Project Managers |
| <u> </u> Construction Inspectors | <u> </u> Landscape Architects | <u> </u> Clerical |
| <u> </u> Ecologists | <u> </u> Land Surveyor | <u> </u> Grant/Funding Specialist |
| <u> </u> Electrical Engineers | <u> </u> Mechanical Engineers | <u> </u> Sanitary Engineers |
| <u>1</u> Engineer Intern | <u> </u> Environmental Engineers | |
| <u> </u> Professional Land Surveyors | <u>7</u> AutoCAD Technicians | <u>17</u> TOTAL |

F. Is this submittal by a JOINT-VENTURE? Please check: YES

NO

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

TEC Professional Services Questionnaire

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

1.
N/A

2.
N/A

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Jamie Saxon, P.E.
President

Project Assignment:

Professional in Charge
Principal Project Manager

Name of Firm with which associated:

Morphy, Makofsky, Inc.

Years' experience with this Firm:

30 Years

Education: Degree(s)/Year/Specialization:

Bachelor of Engineering, Civil Engineering, 1992
University of Adelaide, Australia

Active registration: Year first registered/discipline:

Professional Engineer Louisiana License No. 30529 - 2003

Other experience and qualifications relevant to the proposed Project:

Jamie Saxon has been responsible for foundation and structural design and analysis on residential, commercial, military, industrial, levee structures (earthen and pile supported T-walls), and drainage pump stations. Many of these projects have included dock and wharf structures. His designs have included many complex and unique foundation systems. He has also designed temporary and permanent cantilevered and anchored sheet pile bulkheads and cofferdams as part of the Hurricane Protection systems in the post Katrina landscape. Mr. Saxon also has experience with damaged wharves. His duties have included field investigations to assess damages, formulation and detailing of necessary repairs, cost estimation, and supervision of the repairs. These wharves are located along the Mississippi River, canals, and the Mississippi Delta region.

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
|--|
| Name & Title: |
| H. Stephan Bernick, P.E. Vice President |
| Project Assignment: |
| Principal Project Manager |
| Name of Firm with which associated: |
| Morphy, Makofsky, Inc. |
| Years' experience with this Firm: |
| 24 Years |
| Education: Degree(s)/Year/Specialization: |
| Master of Engineering, Civil Engineering, 1998 Bachelor of Engineering, Civil Engineering, 1994 Tulane University, New Orleans, LA |
| Active registration: Year first registered/discipline: |
| Professional Engineer Louisiana License No. 29015 - 2000 |
| Other experience and qualifications relevant to the proposed Project: |
| Mr. Bernick has been responsible for the design and production of construction documents for buildings and structures ranging in size from large residential homes to mid-rise hotel towers. Utilizing his geotechnical background, Mr. Bernick is an expert designing both deep and shallow foundations. Past projects have employed pipe piles, precast concrete piles, timber piles, composite timber-concrete piles, auger cast piles, helical piles and drilled shafts. Many of Mr. Bernick's were funded with FEMA monies and subject to flood loading and wave action. As a senior engineer, Mr. Bernick headed-up our team of engineers conducting inspections post-Katrina. |

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
|---|
| Name & Title: |
| Jonathan A. Sofranko, P.E. Principal Structural Engineer |
| Project Assignment: |
| Principal Structural Engineer |
| Name of Firm with which associated: |
| Morphy, Makofsky, Inc. |
| Years' experience with this Firm: |
| 29 years |
| Education: Degree(s)/Year/Specialization: |
| Bachelor of Engineering, Civil Engineering, 1994 Tulane University, New Orleans, LA |
| Active registration: Year first registered/discipline: |
| Professional Engineer Louisiana License No. 28228 – 1999 Also Licensed in 15 other states |
| Other experience and qualifications relevant to the proposed Project: |
| During his tenure with MMI, Jonathan Sofranko has worked his way from Junior Engineer to Partner. He has been responsible for the design and production of construction documents for buildings and structures ranging in size from large residential homes to mid-rise hotel towers. He is proficient in designing the super-structures of buildings in steel, conventionally reinforced concrete, post tensioned concrete, and wood. His structural experience includes the design and analysis of reinforced concrete, post-tensioned concrete, structural steel, and composite framing systems, as well as foundations. Mr. Sofranko has performed wind, seismic, and adaptive reuse analyses for multiple types of structures including various high rise hotels, medical facilities, and corporate facilities. He has extensive experience and knowledge in three dimensional modeling. |

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
|--|
| Name & Title: |
| Shishir C. Pedamkar, EIT Civil Engineer |
| Project Assignment: |
| Civil Engineer |
| Name of Firm with which associated: |
| Morphy, Makofsky, Inc. |
| Years' experience with this Firm: |
| 15 |
| Education: Degree(s)/Year/Specialization: |
| Master of Engineering, Lamar University, 2003 Bachelor of Science, Civil Engineering, Mumbai University, 2000 |
| Active registration: Year first registered/discipline: |
| Texas Engineer in Training, 2015 |
| Other experience and qualifications relevant to the proposed Project: |
| <p>Prior to working at Morphy, Makofsky, Inc., Mr. Pedamkar had spent four years working in and around the construction industry in different districts of Florida and Georgia. He possesses a broad range of technical and leadership skills and uses rigorous logic to come up with effective design solutions to meet the client's requirements.</p> <p>Mr. Pedamkar's experience in the design requirements of Environmental Protection permit programs (DEP, TPDES, TCEQ and NPDES) has proven to be valuable asset to MMI. Mr. Pedamkar is also very proficient with relevant civil engineering design software's such as AutoCAD, Civil 3D, and Storm-Sewer Extensions to Civil 3D.</p> |

TEC Professional Services Questionnaire

| |
|---|
| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
| Name & Title: |
| Greg Eckert, AIA, NCARB Technical Assistant |
| Project Assignment: |
| Specification Writer/Project Coordination |
| Name of Firm with which associated: |
| Morphy, Makofsky, Inc. |
| Years' experience with this Firm: |
| 15 |
| Education: Degree(s)/Year/Specialization: |
| Bachelor of Arts, Architecture, 2003 Louisiana State University, Baton Rouge, Louisiana |
| Active registration: Year first registered/discipline: |
| Louisiana Architectural License No. 8239 – 2015 NCARB Certificate No. 80339 |
| Other experience and qualifications relevant to the proposed Project: |
| Mr. Eckert is responsible for the production of MMI's construction specifications as a written counterpart to the construction drawings. This role requires a thorough understanding of structural and civil materials with an emphasis in concrete, steel, and pile supported construction as well as an understanding of the quality of construction required by each client. Mr. Eckert is familiar with all MasterSpec formats and ensures that each set of project specifications is tailored to meet the client's needs and the requirements of the code. Mr. Eckert is practiced in authoring not only the structural and civil components of the project manual, but also coordinating the addition of sub-consultant specifications, Division 00 Procurement & Contracting Documents, and Division 01 General Requirements for the client. |

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>Ochsner West Metairie 4400 Veterans Blvd. Metairie, LA 70006</p> <p>Owner: Ochsner Health</p> | <p>Providing structural engineering services for a 185,000 square foot "super clinic." Renovations are under way in the former Sears building at Clearview Mall. The remodeled department store will house Ochsner's newest medical facility in the Metairie area.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2022 (Actual) | \$97,000,000 | \$30,000,000 |

PROJECT NO. 2

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
|--|--|--------------------------------------|
| <p>JEDCO Office Building 700 Churchill Pkwy Avondale, Louisiana</p> <p>Owner: JEDCO 3445 Causeway Blvd. Suite 300 Metairie, LA 70002</p> | <p>Provided structural and civil engineering services for three separate buildings built to be energy efficient inside the Churchill Technology and Business Park.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2013 (Actual) | \$4,856,000 | \$1,550,000 |

TEC Professional Services Questionnaire

PROJECT NO. 3

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility | |
|--|---|--------------------------------------|
| <p>Patrick Taylor Science & Technology Academy 701 Churchill Pkwy Avondale, Louisiana</p> <p>Owner: JEDCO 3445 Causeway Blvd. Suite 300 Metairie, LA 70002</p> | <p>Provided structural and civil engineering services for the construction of the 114,000 square foot state-of-the-art facility. The project includes the construction of three major classroom buildings, cafeteria, auditorium, robotics and biotech laboratories and an 11,000 square foot event center that will be the western gateway to the business park.</p> | |
| Completion Date (Actual or estimated) | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2013 (Actual) | \$31,250,000 | \$10,000,000 |

PROJECT NO. 4

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
|---|---|--------------------------------------|
| <p>Metairie Manor IV 4937 York Street Metairie, Louisiana</p> <p>Owner: Archdiocese of New Orleans 7887 Walmsley Avenue New Orleans, LA 70125</p> | <p>Provided structural and civil engineering design services for the new construction of an 82 unit, 65,086 square foot assisted living facility. The exterior of the new building was designed to match the existing 3 brick adjacent buildings to seamlessly fit into the landscape of the neighborhood. The new building provided much needed space for the growing senior facility.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2014 (Actual) | \$9,000,000 | \$3,000,000 |

TEC Professional Services Questionnaire

| PROJECT NO. 5 | | |
|--|--|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| LPV 9.2 – Fronting Protection and Breakwater Modifications Jefferson Lakefront Pumping Stations 1-4 Jefferson Parish, LA Owner: U.S. Army Corps of Engineers 7400 Leake Avenue New Orleans, LA 70118 | This project consisted of designing temporary retaining structures (TRS). A TRS consists of a dam across the discharge channel and all other individual temporary retaining structures necessary to support the excavation as required. Design included: Temporary Work Bridge design; Soil / Slope Analysis of excavation inside cofferdam; Crane pads design for 4100 Ringer Cranes; Temporary flood protection design as needed | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2013 (Actual) | \$175,000,000 | \$8,000,000 |

| PROJECT NO. 6 | | |
|--|--|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Republic National Distributing Warehouse 809 Jefferson Highway Jefferson Parish, LA Owner: Republic National Distributing 809 Jefferson Highway New Orleans, LA 70121 | MMI provided first floor framing and foundation design for this 130,000 square foot warehouse expansion. MMI provided the drainage and pavement design of the approximately 100,000 square feet parking lot and also prepared a stormwater management plan (SWMP) to meet local (Jefferson Parish) and state (DOTD) drainage requirements. The SWMP comprised an underground detention system which included a new weir structure. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2017 (Actual) | N/A | N/A |

TEC Professional Services Questionnaire

| PROJECT NO. 7 | | |
|--|---|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| <p>Ochsner Hospital Pedestrian Bridge Jefferson Parish, LA</p> <p>Owner: Ochsner Hospital 1514 Jefferson Highway New Orleans, LA 70121</p> | <p>MMI provided complete design of air conditioned pedestrian bridge spanning approximately 190 feet in length across Jefferson Highway. The bridge is framed with tube steel trusses on both exterior walls using conventionally framed connector sections to tie into the existing buildings at each end of the bridge.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2012 (Actual) | N/A | N/A |

| PROJECT NO. 8 | | |
|--|--|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| <p>5800 Jefferson Highway Renovations and Modifications Harahan, LA</p> <p>Owner: Feil Organization Property Mgrs. 3900 N. Causeway, Suite 1350 Metairie, LA 70002</p> | <p>MMI provided floor load analysis, construction documents for new truck docks, and new gantry crane foundations.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2016 (Actual) | N/A | N/A |

TEC Professional Services Questionnaire

PROJECT NO. 9

| PROJECT NO. 9 | | |
|--|--|--------------------------------------|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| <p>700 Metairie Road New Mixed Use Building Metairie, LA</p> <p>Owner: J. Caldarera & Co. 201 Woodland Drive LaPlace, LA 70068</p> | <p>MMI provided structural and civil engineering services for the design and development of a new 3 story, 12,500 square foot, mixed use building.</p> <p>Civil engineering included a new drainage system, utility tie-ins, and a new 30 space parking lot.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2016 (Estimated) | \$2,200,000 (Estimated) | \$650,000 |

PROJECT NO. 10

| PROJECT NO. 10 | | |
|--|---|--------------------------------------|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| <p>Oyster Hatchery Building Dept. of Wildlife & Fisheries Grand Isle, LA</p> <p>Facility of Planning & Control State of Louisiana P.O. Box 94095 Baton Rouge, LA 70804</p> | <p>MMI provided structural engineering services for the approximately 14,000 square foot structure. The first floor can accommodate heavy tank loads of water. The second level houses the research and administration areas and is 14 feet off the ground. The structure was designed to withstand high velocity winds and sustained winds of 150mph to protect the delicate oyster breeding beds. The walls are concrete/CMU.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2015 (Actual) | \$3,000,000 | \$900,000 |

TEC Professional Services Questionnaire

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

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

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

Morphy, Makofsky, Inc.'s consulting services include design, studies, estimates, contract administration of engineering projects, and the structural phases of architectural projects. MMI currently employs twenty-two structural, foundation, and civil engineers; CAD technicians; construction observers; specification writers; and administrators. Professional personnel are appropriately registered as professional engineers or engineers in training. It is our goal to execute designs which will simplify construction and minimize construction schedules, while maintaining an impeccable standard of care during and after the construction process. The MMI administrative team works closely with all disciplines to ensure that deadlines are met and that projects remain on schedule and on budget. MMI's expert team of drafters produces the highest-quality and most accurate drawings using cutting-edge software including the latest release of Autodesk Revit Structure, AutoCAD, AutoCAD Civil 3D, and MicroStation. It has been, and will continue to be, the aim of Morphy, Makofsky, Inc. to render its services in accordance with the highest moral and ethical standards. This knowledge, together with the vast experience accumulated over the years, provides clients with the assurance that Morphy, Makofsky, Inc. is uniquely qualified to render professional engineering services.

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

Signature:  Print Name: Jamie L. Saxon

Title: President Date: January 12, 2023

EUSTIS ENGINEERING (GEOTECHNICAL)

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 23-001, Resolution No. 140999
Professional Architectural and Engineering Services on an
as-needed basis for architectural type projects located throughout the
Parish for an approximate two-year period

B. Firm Name & Address:

Eustis Engineering L.L.C.

3011 28th Street, Metairie, Louisiana 70002

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

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

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

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

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

| | | |
|---|---------------------------------------|--|
| <u>12</u> Administrative | <u> </u> Estimators | <u> </u> Specification Writers |
| <u> </u> Architects (Licensed) | <u>2</u> Geologists | <u> </u> Structural Engineers |
| <u> </u> Chemical Engineers | <u>14</u> Geotechnical Engineers | <u>1</u> Graduate Engineers |
| <u> </u> Civil Engineers | <u> </u> Interior Designers | <u> </u> Project Managers |
| <u> </u> Construction Inspectors | <u> </u> Landscape Architects | <u>8</u> Clerical |
| <u> </u> Ecologists | <u> </u> Land Surveyor | <u> </u> Grant/Funding Specialist |
| <u> </u> Electrical Engineers | <u> </u> Mechanical Engineers | <u> </u> Sanitary Engineers |
| <u>2</u> Engineer Intern | <u> </u> Environmental Engineers | <u>33</u> Other |
| <u> </u> Professional Land Surveyors | | <u>70</u> TOTAL |

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

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

TEC Professional Services Questionnaire

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

1. Not applicable.

2.

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

YES ☐ NO ☐

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Gwendolyn P. Sanders, P.E. / President

Project Assignment:

Project Principal

Name of Firm with which Associated:

Eustis Engineering L.L.C.

Years' Experience with This Firm:

30

Education: Degree(s)/Year/Specialization:

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

Active Registration: Year First Registered/Discipline:

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

Other Experience and Qualifications Relevant to the Proposed Project:

Mrs. 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 - Fire Station No. 18, Veterans Boulevard Near Causeway Boulevard, Jefferson Parish, Louisiana
- New Orleans, City of - 4th District Police Station, New Headquarters, 3370 Wall Boulevard, New Orleans (Orleans Parish), Louisiana
- Jefferson Parish Sheriff's Office - First District Station, 3620 Hessmer Avenue, Metairie, Louisiana
- Assumption Parish - Clerk of Court, Proposed Storage Building, Napoleonville, Louisiana
- Plaquemines Parish - New Courthouse Facility, Pointe A La Hache, Louisiana, Parish Project No. 13-01-09
- New Orleans Public Library - Nora Navra Branch Library, 1902 St. Bernard Avenue, New Orleans (Orleans Parish), Louisiana
- Jefferson Parish – Proposed Bike Path and Bridge Along 17th Street Canal, Jefferson Parish, Louisiana

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
|---|
| Name & Title: |
| Benjamin M. Cody, P.E. / Principal Engineer |
| Project Assignment: |
| Senior Project Manager, Principal Engineer |
| Name of Firm with which Associated: |
| Eustis Engineering L.L.C. |
| Years' Experience with This Firm: |
| 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 worked as a graduate research assistant at Tulane University while pursuing his Master's degree. At that time, he was responsible for the design, construction, and implementation of a bench scale testing system in contaminated soil remediation.</p> <p>From 1998 until 2001, Mr. Cody worked for engineering firms in Florida. He performed such duties as soil evaluation and engineering recommendations for projects of varying sizes including multi-story structures, bridges, and roadways. He performed Phase I environmental site assessments as well as geotechnical sensor installation.</p> <p>In 2001, he returned to the New Orleans area and to Eustis Engineering as a Project Engineer. He now serves as a Principal Engineer with the firm. Since his return, Mr. Cody has performed a wide variety of engineering services including geotechnical project management, engineering design, engineering during construction, and dynamic pile testing. Private sector projects have varied from small, private, and commercial structures to multi-story, high-rise structures, storage tanks, and other industrial facilities. Public projects have included roads and bridges, port facilities, government buildings and facilities, schools, and hurricane protection system improvements.</p> <p>His participation in professional societies includes serving on the board of the New Orleans Branch of the American Society of Civil Engineers (ASCE) in roles including Director, Treasurer, and President among others. He also serves on the committee for the Louisiana Civil Engineering Conference and Show (LCECS), a joint conference of the American Concrete Institute ACI and ASCE chapters. In addition to serving as a current member of the LCECS committee, particularly the speaker selection sub-committee, he has also served as conference chair in the past.</p> |

| |
|---|
| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
| Name & Title: |
| Benjamin M. Cody, P.E. / Principal Engineer |
| Some of Mr. Cody's project experience, shown in this submittal, includes the following. <ul style="list-style-type: none">• Jefferson Parish - West Bank Central Warehouse Facility, LA Highway 18, Bridge City, Louisiana• Jefferson Parish - Engineering During Construction, West Bank Central Warehouse Facility, LA Highway 18, Bridge City, Louisiana• New Orleans, City of - 4th District Police Station, New Headquarters, 3370 Wall Boulevard, New Orleans (Orleans Parish), Louisiana• Jefferson Parish Public School System - Young Audiences Charter School, 1000 Burmaster Street, Gretna, Louisiana• D'Iberville, City of - Proposed Police Station, Lamey Bridge Road, D'Iberville (Harrison County), Mississippi.• Assumption Parish - Clerk of Court, Proposed Storage Building, Napoleonville, Louisiana• Jefferson Parish – Proposed Bike Path and Bridge, Along 17th Street Canal, Jefferson Parish, Louisiana |

| PROJECT NO. 1 | |
|--|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: |
| <p>Jefferson Parish Public School System Young Audiences Charter School 1000 Burmaster Street Gretna, Louisiana Eustis Engineering Project No. 24021</p> <p>Owner's Contact Information: Young Audiences Charter Association 1407 Virgil Street Gretna, Louisiana 70053 Edna R. Moore 1-504-304-6332</p> | <p>At the time of our investigation, the site consisted of an existing one-story masonry warehouse surrounded by concrete and asphalt. That warehouse would be converted in the new school at 1000 Burmaster Street. The existing building had approximate plan dimensions of 700' x 250'. Much of the building would remain in place with partitioning and relocation of interior columns to develop the existing building into facilities needed for the school. The structural engineer for the project planned to use a pile foundation to support appurtenant features outside of the building. Appurtenant features would include transformers and mechanical pads raised 3 feet above grade.</p> <p>The existing parking lot would be utilized for the school and new pavements would be constructed as necessary. The final parking area would accommodate 90 personal vehicles. Portions of the existing parking lot would be refurbished with a mill and overlay pavement. A new driveway south of the existing building would accommodate large vehicles, including bus traffic. New light-duty and heavy-duty pavements would be required at other areas around the existing building.</p> <p>Our field exploration included the drilling of four 100-ft undisturbed sample type soil test borings from the exterior of the existing building to determine subsoil conditions and stratification, and to obtain samples of the various strata encountered.</p> <p>The borings were supplemented with cone penetration tests (CPTs) to further evaluate the subsurface conditions inside the building. The CPTs extended to depths of 100 feet below the bottom of the concrete slab.</p> <p>Soil mechanics laboratory tests, performed on samples obtained from the borings, were used to evaluate the physical properties of the various substrata. Testing included classification tests (natural water content, unit weight, unconfined compression shear, and unconsolidated undrained triaxial compression shear). Additional testing included the percent passing the U.S. Standard No. 200 sieve and Atterberg limits determinations to aid in classification and provide an indication of each material's relative compressibility.</p> |

| PROJECT NO. 1 | | |
|--|--|--------------------------------------|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| | <p>In conjunction with the soil borings, CPTs, and laboratory test results, engineering analyses were made to determine recommendations for:</p> <ul style="list-style-type: none"> • water management during and after construction; • site preparation on the interior of the building; • inspection and monitoring of the existing building; • site preparation for the existing building's exterior; • Seismic Site Classification in accordance with the International Building Code; • allowable vertical load capacities, in compression and tension, for various sizes and embedments of treated ASTM D25 quality timber, timber composite, single-piece and segmented open-end steel pipe, and augercast concrete piles; • pile installation recommendations; • both flexible and rigid pavements; and • general foundation construction procedures. | |
| Completion Date (Actual or Estimated) | Estimated Cost: | |
| | Entire Project: | Work for Which Firm Was Responsible: |
| 2/2019 (Actual) | Unknown | \$17,600 |

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

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

| PROJECT NO. 4 | |
|--|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: |
| <p>Jefferson Parish West Bank Central Warehouse Facility LA Highway 18 Bridge City, Louisiana Eustis Engineering Project No. 22720.00-.01</p> <p>Owner's Contact Information: Jefferson Parish Through ECM Consultants, Inc. 1301 Clearview Parkway, Suite 200 Metairie, Louisiana 70001 Chris Maniscalco 1-504-885-4080</p> | <p>As part of our geotechnical exploration, Eustis Engineering provided foundation analyses and recommendations for the proposed West Bank Central Warehouse Facility located north of LA Highway 18 in Bridge City, Louisiana.</p> <p>The project was to consist of two major structures: a warehouse and a poles/fixtures building, and 21 parking spaces. The warehouse would have plan dimensions of 168' x 216'. The poles/fixtures building would have approximate plan dimensions of 50' x 110'. Approximately 3 feet of structural fill was anticipated to raise the site's grade to construction levels beneath the proposed structures. As an alternative to the structural fill, expanded polystyrene foam (EPS) blocks were being considered to raise the grade of the building footprints. Other project components included a new fenced laydown yard, parking areas and driveways, a loading dock on the northeastern corner of the warehouse, and underground drainage pipes, a maximum of 24 inches in diameter, with an estimated maximum bearing depth of 4 feet.</p> <p>At the time of our field activities, the site was observed to be a generally level, open lot with an existing fence, fuel storage tanks, a fueling island, and minimal vegetation. Eustis Engineering drilled three undisturbed sample type soil test borings to depths of 60 to 100 feet and two auger borings to depths of 10 feet. Subsoil samples were obtained in the field using a 3-in. diameter thinwall Shelby tube sampling barrel. The samples were then tested in our laboratory to determine subsurface conditions and stratifications. Soil mechanics laboratory tests consisted of natural water content, unit weight, unconfined compression shear, and Atterberg liquid and plastic limits tests.</p> <p>Our engineering analyses included:</p> <ul style="list-style-type: none"> • site preparation addressing the need for adequate drainage during and after construction; • appropriate clearing and stripping operations complying with the State of Louisiana Department of Transportation and Development's standard specifications; • subgrade preparation; • recommended structural fill material type and its compaction; • estimated fill settlement; • areal subsidence; • bracing for excavations in accordance with OSHA requirements; • recommendations for the installation of new 6-in. to 24-in. diameter sewer and drain lines including bedding materials, the use of geotextile separation fabric, and backfill materials; • lateral earthen pressure on buried structures and at the truck wells associated with the loading dock; |

| PROJECT NO. 4 | | |
|--|--|--------------------------------------|
| 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>Although Eustis Engineering's technicians did not conduct the static pile load tests, as the geotechnical engineer of record, we provided recommendations to the contractor regarding the test pile program requirements. Our recommendations centered on the reaction piles and prepunching/predrilling operations. We also reviewed the test pile program for the consulting engineer on the project providing our conclusions and professional opinions regarding the results.</p> | |
| Completion Date (Actual or Estimated) | Estimated Cost: | |
| | Entire Project: | Work for Which Firm Was Responsible: |
| 5/2017 (Actual) | Unknown | \$11,500 |

| PROJECT NO. 5 | | |
|--|---|--------------------------------------|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>Jefferson Parish Fire Station No. 18 Veterans Boulevard Near Causeway Boulevard Jefferson Parish, Louisiana Eustis Engineering Project No. 22395</p> <p>Owner's Contact Information: Jefferson Parish Through N-Y Associates, Inc. 2750 Lake Villa Drive Metairie, Louisiana 70002 Jonathan O'Rear 1-504-885-0500</p> | <p>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.</p> <p>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. 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.</p> <p>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.</p> <p>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.</p> | |
| Completion Date (Actual or Estimated) | Estimated Cost: | |
| | Entire Project: | Work for Which Firm Was Responsible: |
| 5/2014 (Actual) | Unknown | \$6,200 |

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

| PROJECT NO. 7 | |
|---|--|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: |
| <p>Jefferson Parish Proposed Bike Path and Bridge Along 17th Street Canal Between Old Hammond Highway and North of Airline drive Jefferson Parish, Louisiana Eustis Engineering Project No. 23920.00-.01</p> <p>Contact Information: Jefferson Parish Department of Public Works Through Linfield, Hunter & Junius, Inc. 3608 18th Street Metairie, Louisiana 70002 Mark K. Annino 1-504-833-5300</p> | <p>A bike path and bridge were proposed over Veterans Memorial Boulevard, along the Jefferson Parish side of the 17th Street Canal, in Metairie, Louisiana. The bridge would be approximately 900 feet long. Pile-supported bridge pier foundations were anticipated to be on approximate 60- and 80-ft centers. Pier loads were anticipated to be 320 kips for four piles (60-ft pier spacings) and 640 kips for eight piles (80-ft pier spacings). An asphalt bike path would extend north and south of the bridge for approximately 2,600 and 800 linear feet, respectively.</p> <p>Prior to performing the field investigation, Eustis Engineering obtained a permit from the South Louisiana Flood Protection Authority – East (SLFPA-East). This permit request included obtaining Letters of No Objection from the State of Louisiana, Coastal Protection and Restoration Authority (CPRA) and the U.S. Army Corps of Engineers (USACE). SLFPA-East, CPRA, and USACE are all project stakeholders since the bike path overlies the levee embankment adjacent to an existing floodwall which parallels the 17th Street Canal. We also contacted Louisiana One Call to locate utilities near proposed exploration points.</p> <p>Eustis Engineering drilled two soil borings to depths of 100 feet below the existing ground surface. In each case, the boring was washed to the 40-ft depth since existing historical data was available. Eustis Engineering drilled three additional soil borings to depths of 100 feet near the proposed bridge piers. Finally, eight direct push borings were made to depths of 4 to 5 feet with one of our Geoprobe® rigs. The direct push borings were positioned in the areas of the proposed asphalt paths. Laboratory tests were performed on the samples to determine the shear strength and relative compressibility of the subsoils encountered. Historical subsurface soil data were also referenced in the development of the soil design parameters.</p> <p>Information from the borings and laboratory results informed the engineering analyses for foundation design, pile installation recommendations, and seepage/stability evaluations. The geotechnical design report included:</p> <ul style="list-style-type: none"> • a discussion of subsoil and groundwater conditions; • estimates of settlement and differential settlement; • estimates of allowable load capacities for various types and sizes of piles (including timber, steel, and concrete); • slope stability analyses of the levee embankment and I-wall system at the locations north and south of the Veterans Memorial Boulevard overpass where the bridge would tie into the existing levee embankment; • seepage analyses to evaluate impacts for the proposed construction on the flood protection; |

| PROJECT NO. 7 | | |
|--|--|--------------------------------------|
| 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; • recommendations for asphalt pavement sections for an at-grade bike path; • recommendations for transitioning between grade-supported and pile-supported approach slabs; • recommendations associated with excavations and dewatering; and • general construction recommendations. <p>Our sensitivity analyses for potential for piping along the proposed monopiles supporting the bridge bents identified the need for a supplemental exploration. The composite stratigraphy provides an acceptable factor of safety against piping. However, significant variations in surficial fill material composition and thickness could present the need to supplement the seepage blanket at select individual foundation locations. Thus, a supplemental exploration is currently underway. Supplemental permitting was recently approved for the performance of 14 cone penetration tests (CPTs), along the western side of the 17th Street Canal, at each individual bridge bent. Each CPT will be performed to a depth of 30 feet or practical refusal. The CPTs will provide a means to interpret stratigraphy continuously with depth at each bent to aid in the assessment of piping potential to ensure no unintended impacts to the flood protection and assess construction requirements ahead of releasing the bid package to reduce change orders once construction proceeds.</p> | |
| Completion Date (Actual or Estimated) | Estimated Cost: | |
| | Entire Project: | Work for Which Firm Was Responsible: |
| Ongoing | Unknown | \$36,300 |

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

| PROJECT NO. 8 | | |
|--|--|--------------------------------------|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| | After completing the geotechnical exploration, Eustis Engineering was asked to provide additional engineering analyses associated with the project. Specifically, the engineering analyses and recommendations were associated with limiting post-construction settlement using a preload/surcharge program. | |
| Completion Date (Actual or Estimated) | Estimated Cost: | |
| | Entire Project: | Work for Which Firm Was Responsible: |
| 6/2020 (Actual) | Unknown | \$15,500 |

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

| | | |
|--|--|---|
| | and address the existing pile conflicts while still meeting the design requirements. | |
| Completion Date (Actual or Estimated) | Estimated Cost: | |
| | Entire Project: | Work for Which Firm Was Responsible: |
| 5/2018 (Actual) | Unknown | \$11,400 |

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

TEC Professional Services Questionnaire

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

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

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

When Eustis Engineering 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.

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

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

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

Engineering Staffing

Our engineering staff has 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, are very important to Eustis Engineering. Our engineers also regularly present at technical conferences. We encourage and fund our staff for these activities and programs.

| Employee | Education | Experience | |
|---------------------------------|--|-------------------------------|-------------|
| | | Years with Eustis Engineering | Total Years |
| Professional Engineers (P.E.) | | | |
| Benjamin M. Cody | M.S. / Civil Engineering | 21 | 25 |
| Brian A. Deschamp | B.S. / Civil & Environmental Engineering | 11 | 11 |
| | B.A. / Business Administration | | |
| Lars A. Erickson | B.S. / Civil & Environmental Engineering | 7 | 7 |
| | Coastal Engineering Certificate | | |
| James J. Hance | M.S. / Civil Engineering | 19 | 23 |
| | M.B.A. / Business Administration | | |
| Chad L. Held | M.S. / Civil Engineering | 32 | 32 |
| Matthew K. Morales | B.S. / Civil Engineering | 14 | 14 |
| 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. DiGiovani | B.S. / Civil Engineering | 0 | 0 |
| Patrick T. Duckworth | M.S. / Civil Engineering | 2 | 2 |
| Tomas K. Morales ⁽¹⁾ | B.S. / Civil Engineering | 9 | 9 |
| 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 |

⁽¹⁾ Long-term Subcontractor who has passed the P.E. Exam and is waiting verification of credentials.

⁽¹⁾ Long-term Subcontractor who has passed the P.E. Exam and is waiting verification of credentials.

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 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: 16 January 2023