



# JEFFERSON PARISH GOVERNMENT

SOQ 24-022 - Soils Investigation Services  
for the Department of Public Works

Resolution No. 144325

July 18, 2024

524 Elmwood Park Blvd., Ste. 170

New Orleans, LA 70123

P (504) 818-3638



**Terracon.com**

July 18, 2024

Jefferson Parish Government  
Electronic Submittal



Re: SOQ No. 24-022  
Provide Professional Soils Investigation Services for the Department of Public Works

Dear Purchasing Department:

Terracon Consultants, Inc. (Terracon) is pleased to submit our qualifications to provide soils investigation services for Jefferson Parish. With more than 50 years of experience, Terracon will provide the highest level of service required by this contract.

Founded in 1965, Terracon has provided environmental, geotechnical, and materials testing services nationwide. Our office and laboratory in New Orleans opened in 2010 to provide these services to our clients in southeastern Louisiana. We have since worked for Jefferson Parish and many surrounding municipalities providing geotechnical, environmental, and materials testing for a variety of projects. We believe that after reviewing our qualifications, you will conclude and understand that Terracon is the right choice for this important project for the following reasons:

**Responsiveness:** Acting quickly to meet your deadlines, our employee owners are always available to you. With convenient locations across the country, we're able to quickly mobilize a workforce to respond to accelerated schedules and your changing needs. Terracon's local, New Orleans office located in Elmwood Park is ready to respond to all task orders with staff that meet the minimum requirements for field services and project management.

**Resourcefulness:** Applying new processes, methodologies, and techniques allows us to take a proactive approach to solving project challenges and deliver your projects better and faster. Along with being innovative and creating applications that make our client's lives easier, we have a nationwide reach for additional resources, if needed.

**Reliability:** With vast experience working in local conditions, Terracon is a dependable partner throughout the life of your project. We deliver practical and constructible solutions, while avoiding delays, surprises, and costly mistakes down the road. Terracon is currently working with the Parish on other projects and are therefore specifically familiar with its requirements and needs of this contract.

Enclosed are our qualifications to provide soils investigation services. We look forward to continuing being of service to Jefferson Parish.

Sincerely,  
**Terracon Consultants, Inc.**

A handwritten signature in blue ink, appearing to read 'Jason M. Maloney', is written over the printed name and title.

Jason Maloney, P.E., Terracon New Orleans  
Project Manager, Primary Point of Contact  
E: [jason.maloney@terracon.com](mailto:jason.maloney@terracon.com)  
P: (504) 818-3638 | F: (504) 818.3890

**Attachments:**  
TEC Questionnaire

Explore with us



## **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 to Provide Professional Soils Investigation for the Department of Public Works  
SOQ 24-022  
Resolution No. 144325

**B. Firm Name & Address:**

Terracon Consultants, Inc.  
524 Elmwood Park Blvd, Suite 170  
New Orleans (Jefferson Parish), Louisiana 70123

**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:**

Jason Maloney, P.E.  
Principal | Office Manager (Meets MPR for number 1 with 16 years of experience)  
Terracon Consultants, Inc.  
524 Elmwood Park Blvd., Suite 170  
New Orleans, LA 70123  
jason.maloney@terracon.com  
(504) 818-3638

**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.**

George Segre Quilichini, P.E. (Professional Engineer, LA No. 42229)  
Senior Engineer  
Terracon Consultants, Inc.  
524 Elmwood Park Blvd, Suite 170  
New Orleans, Louisiana 70123  
george.segre@terracon.com  
(504) 818-3638

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

<u>5</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>3</u> Geotechnical Engineers	<u>    </u> Graduate Engineers
<u>    </u> Civil Engineers	<u>    </u> Interior Designers	<u>4</u> Project Managers
<u>12</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>2</u> Engineer Intern	<u>3</u> Environmental Engineers	
<u>    </u> Professional Land Surveyors		<u>29</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.

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

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

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

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

29

## 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:**

Lynne Roussel, P.E.

Principal and Office Manager

**Project Assignment:**

Principal

*Meets MPR for number 1.*

**Name of Firm with which associated:**

Terracon Consultants, Inc.

**Years' experience with this Firm:**

19 years

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

Master of Science / 2005 / Geotechnical  
Bachelor of Science / 2003 / Civil Engineering

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

2009 / Professional Engineer: LA (35152)

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

Ms. Roussel has gained experience in a wide variety of field and engineering design projects during her time with Terracon. She has extensive experience managing large projects. She has also managed drilling operations for the Baton Rouge, Lake Charles, and New Orleans offices for several years and has served as Engineering Supervisor over the laboratory. She has assisted in the monitoring of pile installation activities, settlement plate installation and monitoring, deep foundation load tests, piezometer installation, and vibrating wire piezometer installation and data recording. Her software experience includes the following software: PCSTABL6, GEOSLOPE, LPILE, DRIVEN, SHAFT, Shoring Suite, WINPAS and Darwin.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Jason Maloney, P.E. Office Manager   Principal	
<b>Project Assignment:</b>	
Principal <i>Meets MPR for number 1.</i>	
<b>Name of Firm with which associated:</b>	
Terracon Consultants, Inc.	
<b>Years' experience with this Firm:</b>	
18	
<b>Education: Degree(s)/Year/Specialization:</b>	
B.S. / 2008 / Biological Engineering	
<b>Active registration: Year first registered/discipline:</b>	
2013 / Professional Engineer / LA 38094	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Mr. Maloney is the Office Manager for Terracon's New Orleans and Shreveport Offices. He is responsible for overall administration and operation of the offices, as well as, client development, proposal preparation, laboratory procedures, and technical report preparation. As office manager, he oversees all day-to-day activities for the New Orleans and Shreveport Offices. With 18 years of experience, Mr. Maloney is experienced in environmental engineering, environmental permitting, remediation, and consulting services. These services have included completion of Phase I and Phase II Environmental Site Assessments (ESA), SPCC and SWPP plan development, asbestos and lead surveys, indoor air quality assessments, mold evaluations, underground storage tank (UST) site assessment monitoring, remediation and closure, and preparation of Risk Evaluation/ Corrective Action Program (RECAP) Reports and Corrective Action Plans.</p>	

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Albert Ayenu-Prah, PhD, P.E. Senior Engineer
<b>Project Assignment:</b>
Senior Engineer <i>Meets MPR for numbers 2 and 3.</i>
<b>Name of Firm with which associated:</b>
Terracon Consultants, Inc.
<b>Years' experience with this Firm:</b>
1 Year with Terracon (16 Years Total)
<b>Education: Degree(s)/Year/Specialization:</b>
Doctorate / 2007 / Civil Engineering M.S. / 2004 / Civil Engineering B.S. / 2001 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
2020 / Professional Engineer / LA 44481
<b>Other experience and qualifications relevant to the proposed Project:</b>
Dr. Ayenu-Prah, P.E., has more than 19 years of experience in geotechnical engineering in Louisiana. He is a Senior Engineer with Terracon's New Orleans office with extensive experience as a geotechnical engineer specializing in pavement and geotechnical engineering. His vast expertise encompasses rigid and flexible pavement systems, including design methodologies and empirical and mechanistic-empirical approaches. He possesses in-depth knowledge of asphalt and concrete materials, pavement construction, pavement management systems, drainage design, pavement roughness, ride quality, Ground Penetrating Radar (GPR), and Falling Weight Deflectometer (FWD) technology. Dr. Ayenu-Prah, P.E., also has vast knowledge of materials testing during construction and all associated laboratory testing.



## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
George F. Segré Quilichini, P.E. Senior Engineer
<b>Project Assignment:</b>
Senior Engineer <i>Meets MPR for numbers 2 and 3.</i>
<b>Name of Firm with which associated:</b>
Terracon Consultants, Inc.
<b>Years' experience with this Firm:</b>
2 Years with Terracon (11 Years Total)
<b>Education: Degree(s)/Year/Specialization:</b>
Master of Science / 2013 / Geotechnical Bachelor of Science / 2011 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
2017 / Professional Engineer / LA 42229
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>George Segré is a Senior Engineer at Terracon's New Orleans office in the Geotechnical Department. He has over ten years of geotechnical experience in the local market. His work includes extensive Louisiana coastal work, pump stations, transportation, industrial (refineries), USACE levee work, HDD, and tunneling projects.</p> <p>George is knowledgeable in various slope stability analysis methods and soft ground characterization. His experience includes a focus on issues related to consolidation settlements in Southeast Louisiana, which led to a publication in "Louisiana Civil Engineer – Journal of the Louisiana Section".</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Anjelica Moran, P.E. Senior Engineer
<b>Project Assignment:</b>
Senior Engineer
<b>Name of Firm with which associated:</b>
Terracon Consultants, Inc.
<b>Years' experience with this Firm:</b>
4 Years with Terracon (8 Years Total)
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2015 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
2024 / Professional Engineer / LA 48910
<b>Other experience and qualifications relevant to the proposed Project:</b>
Anjelica Moran is a senior engineer at the Terracon New Orleans office. She assists geotechnical engineers with performing subsurface explorations, including in-place density tests, has set up and run static pile load tests, logged piling, and monitored vibrations. She has worked on various types of geotechnical projects, which have varied from residential to heavy industrial. She also prepared geotechnical reports containing recommendations for soil-bearing capacity, settlement, pile capacities, rigid and flexible pavement design, material requirements, and site preparation. In the laboratory, she also performs aggregate and soil testing such as grain size analysis, soil classification, specific gravity, unconfined compression tests, compaction tests, Atterberg limits, hydrometer analyses, triaxial compression tests, etc.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Eric B. Bellard Laboratory Supervisor
<b>Project Assignment:</b>
Laboratory Supervisor
<b>Name of Firm with which associated:</b>
Terracon Consultants, Inc.
<b>Years' experience with this Firm:</b>
13 years
<b>Education: Degree(s)/Year/Specialization:</b>
N/A
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Eric has over 13 years of experience in the construction materials field as an American Concrete Institute (ACI) certified Construction Materials Technician. In this role, he monitors various aspects of construction quality control (QC) and quality assurance (QA). Projects have included retail developments, hospital and medical office building developments, levee improvements and school additions. The construction monitoring experience Eric has acquired includes earthwork observations, soil moisture content and density testing, driven pile foundation installation logging, auger-cast pile installation monitoring, grout field testing, concrete compressive strength field testing, concrete observations, sample testing and seismic monitoring.</p> <p>Mr. Bellard has over nine years of soil laboratory experience. He currently serves as Lab Supervisor where he performs testing which includes proctors, Atterberg limits, specific gravities, soil and aggregate gradations, organic contents, and moisture contents. He also performs compressive strength testing on all concrete cylinders, grout prisms, and mortar cubes.</p>

## TEC Professional Services Questionnaire

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

### PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
<b>Bridge City WWTP Sludge Disposal Facility</b> Jefferson Parish, LA  Stuart Consulting Group 1018 Central Avenue, Suite 200 Metairie, LA  Chris Blazo, P.E. (504) 888-5733 chrisb@stuartconsultinggroup.com	Terracon conducted field exploration, laboratory testing and provided engineering/project delivery for the proposed lift station, sludge channel, and associated pavements. Each structure is anticipated to be supported on deep foundations. The purpose of these services was to provide information and geotechnical engineering recommendations related to the following: Subsurface soil conditions; Groundwater conditions; Site preparation and earthwork; Dewatering considerations; Recommendations for temporary sheet pile retaining walls; Deep foundation design and construction; Estimates of settlement; Pavement design and construction. The geotechnical engineering Scope of Services for this project included the advancement of two soil borings to depths ranging from approximately 6 to 60 feet below existing site grades
Completion Date (Actual or estimated):	Estimated Cost:
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;"><b>Entire Project:</b></div> <div style="width: 45%; text-align: center;"><b>Work for which Firm was Responsible:</b></div> </div>
May 2024	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;">N/A</div> <div style="width: 45%; text-align: center;">\$11,000</div> </div>

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
<b>Russell Street Pump Station Improvements</b> Jefferson Parish, LA  Jefferson Parish Government 1221 Elmwood Park Blvd. Jefferson, LA 70123  John O'Connor, P.E. (504) 736-6833 joconnor@jeffparish.net	<p>The project will consist of demolition of exiting drainage structures and the new construction of: Pump station at south end of Elementary School along canal; Junction box on south edge of CN Railroad easement; Two 54-inch steel drainage pipes jack and bored under canal and railroad easement from Junction Box to Pump Station; One pile supported 72-inch steel discharge pipe from pump station between cemetery and school to discharge basin along Airline Highway canal.</p> <p>The purpose of these services was to provide information and geotechnical engineering recommendations relative to: Subsurface soil conditions; Foundation design and construction; Groundwater conditions; Seismic site classification per IBC; Site preparation and earthwork; Excavation considerations. The geotechnical engineering Scope of Services for this project included the advancement of four test borings to depths ranging from approximately 15 to 100 feet and five CPT soundings to depths of approximately 50 feet below existing site grades.</p>
Completion Date (Actual or estimated):	Estimated Cost:
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;"><b>Entire Project:</b></div> <div style="width: 45%; text-align: center;"><b>Work for which Firm was Responsible:</b></div> </div>
August 2022	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"></div> <div style="width: 45%; text-align: center;">\$22,000</div> </div>



## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
<b>Bucktown Lake's Harvest Playground &amp; Plaza</b> Jefferson Parish, LA  Jefferson Parish Government 1221 Elmwood Park Blvd., Suite 310 Jefferson, LA 70123  Michelle Gonzales (504) 736-6719 mgonzales@jeffparish.net	The proposed structure consists of a spiral earthen embankment with pre-cast modular block facing. The crest of the structure is anticipated to be approximately 12-feet above present grade, and the overall dimensions of the structure are about 60 to 70 feet in diameter. The structure will include a playground area, and paving.  The purpose of these services was to provide information and geotechnical engineering recommendations relative to: Subsurface soil conditions; Groundwater conditions; Site preparation and earthwork; Ground improvement considerations; Lateral earth pressures; Seismic site classification per IBC; Foundation design and construction. The geotechnical engineering Scope of Services for this project included the advancement of six test borings to depths ranging from approximately 2 to 80 feet below existing site grades.	
Completion Date (Actual or estimated)	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
March 2023	N/A	\$17,500

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>West Esplanade Outfall Borings</b> Jefferson Parish, LA  Jefferson Parish Government 1221 Elmwood Park Blvd. Jefferson, LA 70123  John O'Connor, P.E. (504) 736-6833 joconnor@jeffparish.net	The project includes canal improvements along West Esplanade Ave. between St. Martin St. and Billyday Ave. in Metairie, LA.  The purpose of these services was to provide information and geotechnical engineering recommendations relative to: Subsurface soil conditions and Groundwater conditions The geotechnical engineering Scope of Services for this project included the advancement of sixteen (16) soil test borings to the approximate 20-foot depth below existing site grades.	
Completion Date (Actual or estimated):	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
November 2022	N/A	\$35,500

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Bucktown Outdoor Classroom</b> Bucktown Marina Jefferson Parish, LA  Jefferson Parish 1221 Elmwood Park Blvd., Suite 310 Jefferson, LA 70123  Michelle Gonzales (504) 736-6719 mgonzales@jeffparish.net	Terracon conducted field exploration, laboratory testing and provided engineering/project delivery for the proposed outdoor classroom with a footprint of about 28,000 square feet. The classroom included elevated platforms, access ramps, and embankment located at an undeveloped recreational area at a man-made marina.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
08/2021	N/A	\$9,950

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Jean Lafitte Canal Backfill</b> Barataria Preserve Barataria, LA  Quinn Evans Architects 2121 Ward PI NW Fourth Fl Washington, DC 20037  John Whitaker, PE (202) 591-2525 jwhitaker@QUINNEVANS.com	The project calls for the development and refinement of design alternatives and construction documentation for the restoration of up to 16.5 miles of dredged canals within the Barataria unit of JELA. The purpose of these geotechnical services was to provide information relative to subsurface soil conditions and groundwater conditions. The geotechnical engineering Scope of Services for this project included the advancement of 21 test borings to a depth of approximately 5 feet below existing site grades.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2021	N/A	\$15,986

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>JPRD Saints Dr. Girls Complex</b> Metairie, LA  Meyer Engineers Ltd. 4937 Hearst St Ste 1B Metairie, LA 70001-1174  Terri Dupre (504) 885-9892 tdupre@meyer-e-l.com	Terracon provided geotechnical engineering services including subsurface exploration and geotechnical engineering for improvements to two existing softball fields.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2021	N/A	\$2,500

<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Craig Avenue Drainage Improvements</b> Metairie, LA  Barowka & Bonura Engineers & Consultants 209 Canal Street Metairie, LA 70005  Jeff Bonura (504) 828-0030 jbonura@bbecllc.com	Terracon provided geotechnical engineering services. Following the subsurface exploration, Terracon prepared a final report which included geotechnical recommendations concerning earthwork and the design and construction of foundations, floor slabs, and pavements for the proposed project.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2020	N/A	\$9,200

## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Soniat Canal Pedestrian Bridge</b> Jefferson, LA  Digital Engineering 527 W Esplanade Ave, Suite 200 Metairie, LA 70065  Gerald Babin, P.E. (504) 468-6129 gbabin@deii.net	The project will consist of constructing a new 120 ft. long steel pedestrian bridge across the Soniat Canal in Metairie, LA. The bridge will be supported on a deep foundation.  The purpose of these services was to provide information and geotechnical engineering recommendations relative to: Subsurface soil conditions; Excavation considerations; Groundwater conditions; Foundation design and construction; Site preparation and earthwork; Seismic site classification per IBC. The geotechnical engineering Scope of Services for this project included the advancement of two test borings to depths of approximately 75 feet below existing site grades.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
April 2022	N/A	\$9,500

<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Bucktown Marina Park – Timber Bulkhead &amp; Retaining Wall</b> Jefferson Parish, LA  Jefferson Parish Government 1221 Elmwood Park Blvd. Jefferson, LA 70123  John O'Connor, P.E. (504) 736-6833 joconnor@jeffparish.net	The project consists of the construction of a paddlers/kayak launch area within a new recreational park area. The park will include construction of new improvements that will consist of the addition of relatively minor structural elements, landscape work, and some heavier structural elements. The primary structural elements are believed to consist of the following: Wooden pedestrian bridge crossing-4 pile bents of Class B timber piles; Timber bulkhead – about 4 feet above the mudline (after excavation); Modular concrete block retaining walls – about maximum 9 feet of retained earth.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
February 2022	N/A	\$34,800



## TEC Professional Services Questionnaire

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

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

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

Please refer to the following pages.

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

Signature:  Print Name: Jason Maloney, P.E.

Title: Principal | Office Manager Date: July 17, 2024

**10. Use this space to provide any additional information or description of resources (including any computer design capabilities) supporting your firm's qualifications for the proposed project:**

**MINIMUM REQUIREMENTS FOR SELECTION**

1. One principal who is a professional engineer who shall be registered as such in Louisiana.  
*Lynne Roussel, P.E. is a principal with over nineteen years of engineering experience with soils. She is the Baton Rouge Office Manager, an approved APR (Authorized Project Reviewer) within Terracon, and a Registered Professional Engineer in Louisiana.*
2. A professional in charge of the project who is a professional engineer who shall be registered as such in Louisiana with a minimum of five (5) years' experience in the disciplines involved.  
*George Segré Quilichini, P.E., is our proposed project manager and a registered professional engineer in LA with more than ten years of experience working with soils engineering.*
3. One employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project (A sub-consultant may meet the requirement only if the advertised project involves more than one discipline.)  
*Lynne Roussel, P.E., Albert Ayenu-Prah, PhD, P.E., and Anjelica Moran, P.E. all meet this requirement.*

**EVALUATION CRITERIA**

**1. Professional training and experience in relation to the type of work required for soils investigation services**

**Geotechnical Engineering Overview**



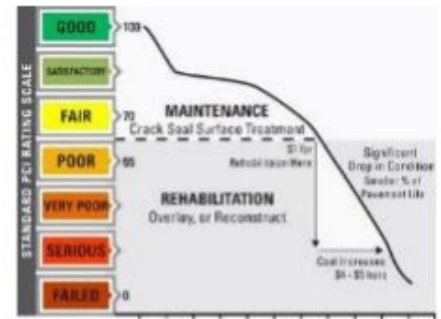
Design and construction of functional, cost-effective structures require a thorough understanding of local soil, rock, and groundwater conditions. Terracon provides a wide range of services to support all phases of a project, from preliminary design through completion of the building process.

Each local Terracon office, with access to the extensive geotechnical experience and expertise of engineers, geologists, and soils technicians throughout our company, can help to assess the risks associated with subsurface conditions. We participate as a vital member of the project team, focusing on project objectives and using innovative technologies to provide practical design recommendations. Our culture, systems, and structure enable us to excel at both small and large projects.

Our geotechnical projects have included:

- Subsurface drilling and testing
- Foundation analysis and design
- In-situ testing and performance monitoring
- Earth structures, slopes, and retention systems
- Dynamic analysis and evaluation
- Soil stabilization and ground improvement
- Groundwater control
- Pavement design and subgrade evaluation

With more than 350 geotechnical engineers and one of the largest drilling fleets in the country, Terracon is well positioned to deliver quality, responsive, and cost-effective geotechnical engineering services, regardless of project size.



*Pavement costs represent a significant portion of the total construction and maintenance budget for many public and private projects. If delayed, relatively low-cost maintenance efforts will result in more expensive future rehabilitation.*

**10. Use this space to provide any additional information or description of resources (including any computer design capabilities) supporting your firm's qualifications for the proposed project:**

**Key Project Staff**

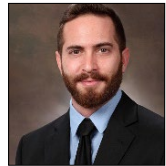
With more than 350 geotechnical engineers and one of the largest drilling fleets in the country, Terracon is well positioned to deliver quality, responsive, and cost-effective geotechnical engineering services, regardless of project size. We have assembled a local team that understands how to be responsive, reliable, and resourceful, while effectively meeting the demands of the project scope and work schedule. Our Team offers sound technical skills, a significant amount of project experience, and in addition, has successfully provided these services on similar projects with aggressive and demanding schedules. Detailed resumes for all Terracon personnel are provided in Section K of the TEC Form. Our key personnel on this proposal are listed below.



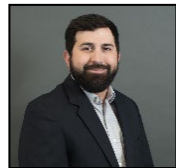
Jason Maloney, P.E. will serve at the **Principal-In-Charge** for this contract. Jason currently serves as the Office Manager for Terracon's New Orleans and Shreveport offices. He oversees daily operations, including safety issues, client projects and reports, technical support, staffing, billing, client development and marketing, purchasing, timesheets, expense reports, and operating policies and procedures.



Lynne Roussel, P.E. will serve as the **Professional-In-Charge** and provide **Technical Oversight** for this contract. Lynne is an experienced geotechnical engineer with 16.5 years of experience in all aspects of geotechnical projects, including field investigations, managing drilling operations, and serving as engineering supervisor over the geotechnical laboratory. Lynne is the Geotechnical Department Manager.



George Segré Quilichini, P.E. will serve as the **Project Manager** for work done on this contract. With over ten years of soil investigative services and geotechnical experience, George has managed various roadway and public infrastructure projects for Jefferson Parish. He has also managed other bridge and roadway projects for the City of New Orleans. He is familiar with local soils and experienced with developing subsurface profiles and providing recommendations for deep foundation options including pile settlement, drag load, downdrag and group effect considerations if the project requires it. He has also developed site preparation, excavation, and fill material recommendations. He will represent Terracon at progress meetings, oversee the coordinate drilling activities, assign laboratory testing, review and approve field reports, and coordinate field personnel for this project. He is a highly dedicated Project Manager and will ensure that Terracon exceeds the expectations of Jefferson Parish.



Eric Bellard is **Laboratory Supervisor** and engineering technician with more than 13 years of experience in materials testing and Special Inspections. He currently serves as Lab Supervisor where he performs testing which includes proctors, Atterberg limits, specific gravities, soil and aggregate gradations, organic contents, and moisture contents. He also performs compressive strength testing on all concrete cylinders, grout prisms, and mortar cubes. He will oversee all laboratory testing under this contract.

**Pavement Engineering**

Terracon's pavement evaluation, design, preservation management, and construction management experience provides needed expertise to meet pavement lifespan challenges. From site selection, through environmental challenges, site design, and construction phases, Terracon is here to guide you each step of the way. Pavement projects typically include the following tasks:



**10. Use this space to provide any additional information or description of resources (including any computer design capabilities) supporting your firm's qualifications for the proposed project:**

Evaluation

Terracon uses technologies in field drilling and evaluation, laboratory testing, and both visual and geophysical surface condition assessments to provide accurate results. We can provide the most cost-effective recommendations intended to support decision making during the design process and long-term planning for many types of pavement projects.

- Subsurface Soil Evaluation: Soil properties are fundamental to pavement, foundation, and drainage design. Terracon offers a full range of drilling, sampling, and coring equipment.
- Material Evaluation: Dynamic Cone Penetration testing for subgrade support characterization and a suite of laboratory tests for determining material properties.
- Existing Surface Evaluation: Paving surfaces may consist of concrete, asphalt, or both. Evaluation of the existing pavement and distresses are performed using ASTM methods.

Design

Geotechnical design requires knowledge of the soil conditions and how they vary across the project site. We do not drill soil borings to evaluate the soil properties, but rather to assess their impact on the design of the overall project. We make the Owner, designer, and Contractor aware of the risks associated with the subsurface conditions and recommend cost efficient designs to manage those risks.

Preservation Management

Performing pavement condition surveys to forecast future pavement condition and lifespan are critical to reducing the impact on future budgets and reducing the need to perform disruptive re-construction. We prepare work plans to extend pavement life, optimize pavement expenditures, and manage pavement maintenance programs. The client can then make informed decisions and remove the guessing game associated with short- and long-term pavement management.

Construction Management

Once the path forward has been determined, proper pavement management plan execution is paramount. Terracon provides the owner the peace of mind the construction/maintenance of their pavement investments will be done correctly and efficiently. From construction administration to materials testing, Terracon provides construction management services from project start to finish.

**Drilling Operations**

Terracon maintains a fleet of approximately 120 drill rigs that can be mobilized from many locations throughout the United States. All drilling supervisors and drill crew members are trained in drill rig operation, safe operating procedures, and basic first aid. Drill crew members who participate in hazardous waste site operations projects are also trained in accordance with the OSHA Hazardous Waste Site Operations and Emergency Response standard (OSHA 29 CFR 1910.120) which requires an initial 40-hour safety training course and annual safety refresher training. Baseline and annual medical surveillance examinations are also required for such personnel.

Drill rigs mounted on trucks and all-terrain vehicles are available to perform subsurface exploration borings and sampling. Terracon offers many methods of subsurface sampling and data acquisition to meet client needs. Our engineers and field crews have experience with many types of specialized field testing, including pressure meter, borehole shear, and packer testing.



**10. Use this space to provide any additional information or description of resources (including any computer design capabilities) supporting your firm's qualifications for the proposed project:**

**In-situ Testing**

The geotechnical properties of soil and rock have conventionally been determined by drilling, sampling, and performing laboratory testing on the samples retrieved. However, advanced "in-situ" testing methods are now available. These measure various properties of subsurface materials directly in their natural "undisturbed" environment, avoiding the effects of sample disturbance, therefore providing more reliable and significantly improved soil design parameters. The test methods are also cost-effective and provide a faster, more detailed subsurface characterization than can be achieved with conventional drilling and sampling alone.

**Cone Penetration Test (CPT)**

The cone penetration test device consists of a cylindrical, high-strength steel probe with a conical tip. The probe also has a porous filter and an isolated sleeve section immediately above the tip. Electronic sensors measure tip resistance, pore water pressure, and sleeve friction as the probe is pushed into the ground at a steady rate of about an inch per second. A computerized system tracks penetration rate and depth, automatically recording sensor data at set intervals usually every 1 to 2 centimeters. The measured CPT data can be used to evaluate soil types, detailed stratigraphy, ultimate and residual shear strength, friction angle, relative density, and permeability. The digital data can be readily analyzed to predict footing and pile capacities, settlement and slope stability. The probe can also be equipped with geophones to periodically measure down-hole arrival time of seismic shear-waves induced at the ground surface. This produces a subsurface profile of soil shear-wave velocity useful for seismic analyses.

**Menard Pressuremeter (PMT)**

The Menard pressuremeter is a cylindrical down-hole hydraulic probe that measures volumetric radial expansion versus increasing outward lateral pressure. The instrument is used for determining in-place soil and rock characteristics, directly relating strength and compressibility to foundation bearing capacity and settlement. The pressuremeter can also be used to supplement conventional testing and sampling. It is particularly beneficial in testing soil and rock formations in which standard sampling and testing procedures have been marginally effective. Testing with the pressuremeter has commonly permitted the use of higher design bearing pressures than could have been considered by analysis of data obtained from conventional testing and sampling methods. Also, more realistic settlement predictions can be provided.

Applications in which pressuremeter testing can be used include:

- Foundation bearing capacity and settlement \* Quality control tests
- Pile friction \* Evaluation of soil and/or rock beneath existing foundations
- Lateral resistance of foundations \* Testing in interbedded sand, silt, and clay soils
- Lateral earth pressure coefficient determinations \* Testing in soft rock and residual soils
- Uncontrolled fill evaluation \* Testing of waste as a bearing material

**In-Situ Vane Shear Test (VST)**

The vane shear test is performed by pushing a 4-bladed vane into the soil and applying torque until the soil shears cylindrically around the vane. The torque is increased at a controlled rate until the soil shears. The vane is then rotated ten times and the "re-molded" shear strength is also measured. This is one of the more representative and reliable means of evaluating the Undrained Shear Strength,  $S_u$ , of cohesive soils. The VST often shows that the true strength of the most sensitive soils is significantly higher than can be determined in the laboratory by even the best sampling methods possible. By performing the VST in combination with Cone Penetration Tests, reliable factors can determine the correlation of the continuous CPT data to shear strength.

**10. Use this space to provide any additional information or description of resources (including any computer design capabilities) supporting your firm's qualifications for the proposed project:**

**Laboratory Services**

Terracon owns, operates, and maintains more than 150 construction materials and geotechnical laboratories across the U.S. Our laboratories are equipped to perform a wide variety of tests while following strict internal guidelines to deliver the most thorough and reliable data possible. In addition to routine material property testing, we also provide advanced shear strength, swell/consolidation, petrographic, steel, wood, geosynthetics, and rock mechanics test data to meet testing needs for even the most complex structures. We continually apply new technologies to improve and expedite our services to solve your project challenges in a timely, reliable, and cost-effective manner. Our trained and certified staff of testing personnel are supported by fully supplied, technologically advanced laboratories that have been accredited and validated by third party agencies to include AASHTO, AMRL, CCRL, USACE, A2LA, CMEC & NVLAP. Each of our laboratories have implemented and operate under the strict guidelines set by Terracon's Quality Management System.

- **Soils:** Laboratory tests are performed to define soil properties and identify those soils that do not conform to project specifications. For moisture content, strength, and stability, the early identification of issues helps avoid future problems and allows for the correction of problems during construction. Tests include: laboratory compaction characteristics of soil, plasticity index, gradation, organic content, classification, swell pressure unconfined compressive strength, and corrosion index testing.
- **Concrete and Masonry:** New criteria for concrete and masonry construction are evolving on a continual basis. Terracon routinely performs design mixes for concrete, mortar, and grout to satisfy the project specifications. Compression and flexural tests are typically performed on hardened concrete cylinders and beams, mortar and grout cubes, and masonry units. Petrographic analysis, drying shrinkage of Portland cement concrete mixes, chloride ion content, rapid chloride ion permeability, freeze-thaw durability, and efflorescence tests can also be performed.
- **Asphalt:** Modern construction practices involving asphalt require consideration of such factors as durability, adaptability to fast-track construction, and proper performance under specialized applications. Asphalt concrete mixes can be designed using local materials that best fit roadway and airport needs. The optimum mix design is determined through Superpave, Marshall, or Hveem test methods, as well as laboratory testing of aggregate properties, extraction, and gradation.
- **Aggregates:** Aggregate quality is established and monitored by performing such laboratory tests as gradation analysis, specific gravity, absorption, soundness, freeze-thaw, abrasion, deleterious substances, and acid solubility.

**2. Capacity for timely completion of newly assigned work, considering the factors of current unfinished workload, and person or firm's available professional and support personnel**

Currently, Terracon is operating at a capacity represented by approximately 60 percent chargeability on a company-wide basis. With our structure and company philosophy of sharing available resources, we can increase our capacity to approximately 80 percent chargeability. Terracon's ability to quickly expand our capacity relies on two practices that provide significant competitive advantages for the company.

- First, we have built-in systems to share work between all our offices. This is accomplished by rewarding both the office supporting projects and the office requesting help, creating a culture that supports a seamless sharing of employees. The team has enough professional resources to accomplish the work in the required time, including the ability to complete more than one delivery order at a time, and to react quickly and efficiently when working within an accelerated schedule. No individual office within Terracon receives a P&L statement, thus increasing the likelihood and willingness of offices to cooperate and share resources.
- Second, in short-term periods of heavy workload, our employees are willing to work overtime hours. Terracon pays our professional employees overtime based upon exceeding certain chargeable hours, making it possible to expand our capacity without the need to hire for short term increases in workload. While Terracon has a strong philosophy of providing a consistent team of professionals to ensure consistency and familiarity with the client and their projects in a geographic

**10. Use this space to provide any additional information or description of resources (including any computer design capabilities) supporting your firm's qualifications for the proposed project:**

area, both systems allow us to provide experienced Terracon employees to the project manager on short notice to achieve the consistent quality deliverables in a timely manner when workloads and schedules require additional support

- Terracon has up to three drilling rigs available in the local region with the ability to access up to five drilling rigs within the Gulf Coast Region. This allows complete large soil investigative projects in a fast and efficient manner.

**3. Location of the principal office where work will be performed**

The local office of Terracon, which is in Jefferson Parish, will serve as the lead office for this contract, with additional offices available to provide support as necessary.

Terracon – New Orleans Office  
524 Elmwood Park Boulevard, Suite 170,  
New Orleans, LA 70123 (Jefferson Parish)

**4. Adversarial Legal Proceedings with the Parish**

None

**5. Prior successful completion of projects requiring soils investigation services for which firm has provided verifiable references**

Terracon has performed soils investigation services on thousands of challenging sites throughout the United States. Local, Federal and state clients depend on Terracon to help them provide a better living and working environment for their local citizens. Terracon has provided soils investigation services for not only Jefferson Parish, but many parishes and cities throughout Louisiana including the parishes surrounding Jefferson. On all projects, we strive to live up to the mantra "We go where the client wants, when the client wants, and we don't go home until we're finished."

Past projects with available references can be viewed in Section L of the TEC Questionnaire.

**6. Size of firm, considering the number of professional and support personnel required to perform soils investigation tasks, including drafting of reports, plans, and specifications**

Terracon is a 100 percent employee-owned consulting engineering firm providing quality services to clients. Since 1965, Terracon has evolved into a successful multi-discipline firm specializing in:

- Soil Investigative Drilling/Geotechnical Engineering
- Environmental
- Facilities
- Materials

Over its history, Terracon has achieved significant expansion through both internal growth and acquisitions. **Terracon currently has more than 6,000 employees across more than 175 offices and 50 states nationwide.** Additionally, we partner with our U.S. clients to serve their international needs.



Terracon has worked on geotechnical projects throughout Louisiana. Many of these have been completed under retainer contracts or on-call contracts. We have completed drilling and laboratory work for municipalities for projects including roadways, drainage, sewer/wastewater facilities, and various types of buildings. Terracon has been hired by the Jefferson Parish for multiple geotechnical and/or construction materials testing projects.

**10. Use this space to provide any additional information or description of resources (including any computer design capabilities) supporting your firm's qualifications for the proposed project:**

Terracon is prepared to provide soil investigative services, geotechnical engineering, inspection, and materials testing services necessary for the design, construction, rehabilitation and repair of streets, drainage, and utility improvement projects in Jefferson Parish.

We serve a diverse portfolio of private and public clients. By being responsive, resourceful, and reliable, we strive to exceed our clients' expectations for service, solutions, quality, and speed of delivery. Based on a deep understanding of our clients' needs, Terracon's commitment is centered around these key objectives.

**Our Safety Culture**

Terracon believes safety is one of the most critical aspects of a successful project. No project is worth impacting the life of any employee and their family through loss of life, limb, or livelihood. Therefore, we do not focus on safety as something separate from other critical aspects of the project: quality, schedule, and budget. Instead, we focus on weaving safety into all aspects of the project. Focusing on making sure employees go home safely every day to their family improves quality, helps the schedule, and ultimately saves costs by averting accidents, injuries and tragedies through proper planning, training, and execution of safety.

However, safety is not just about what we do with our safety program. It is about how we work with our clients and their Project Team when we become part of the project.



Our Team strives to build health and safety into all aspects of our business and into the thinking of our employees. As safety-oriented individuals, we all are dedicated to an Incident and Injury-Free (IIF) workplace. IIF is about care and concern for people; it is our personal and organizational commitment at all levels of our company to everyone going home safe to their families every day. Working safely is an inseparable part of working correctly, just as much as other operational priorities, in particular quality, profitability, and schedule.

Our commitment to safety is demonstrated daily by project managers discussing and addressing site specific safety topics with our field representatives. Safety is a primary focus of our monthly department meetings where each meeting includes discussion of a safety topic. Safety is one of our core values and as a supplement to our Team's safety culture, each employee receives safety training specific to the job function and/or project assigned through one-on-one instruction, continuing education classes or web-based training seminars. We are confident our adoption of the IIF® philosophy will have a positive impact on this project.

**7. Past Performance by person or firm on Parish contracts.**

Terracon has developed a strong history of providing soil investigation services within the State of Louisiana. Through various projects, we have worked with the numerous local and state agencies including the Louisiana Department of Transportation and Development, Facility Planning, as well as local municipalities including surrounding Parishes including Jefferson Parish.

Terracon has worked with various parishes throughout Louisiana providing all services including soil investigation services, geotechnical engineering and design, laboratory services for inspection of materials and equipment. Some of our project examples are listed in Section L.



# *Louisiana Professional Engineering and Land Surveying Board*

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

**Name:**

**Public Address:**

Ms. Barbara Boerner  
Terracon Consultants, 10841 South Ridgeview Road  
Inc. Olathe, Kansas 66061

**License/Certificate Information w/ Supervision**

<b>License</b>	<b>Status</b>	<b>First Issuance Date</b>	<b>Expiration Date</b>	<b>Supervisor(s)</b>
EF.0002749	Active	12/18/2001	03/31/2026	Mr. Jason Michael Maloney # PE.0038094 ; Ms. Lynne Elizabeth Roussel # PE.0035152

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225-925-6291 | Fax 225-925-6292

# *Louisiana Professional Engineering and Land Surveying Board*

## **License Information**

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

**Name:**

Ms. Lynne Elizabeth  
Roussel

**Address:**

15421 Campanile Court  
Baton Rouge, Louisiana 70810

**License/Certificate Information**

<b>License</b>	<b>Status</b>	<b>First Issuance Date</b>	<b>Expiration Date</b>	<b>Listed Discipline(s)</b>
PE.0035152	Active	12/15/2009	03/31/2026	Civil Engineer

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# *Louisiana Professional Engineering and Land Surveying Board*

## **License Information**

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

**Name:**

Mr. Jason Michael  
Maloney

**Address:**

4717 Laudun Street  
Metairie, Louisiana 70006

**License/Certificate Information**

<b>License</b>	<b>Status</b>	<b>First Issuance Date</b>	<b>Expiration Date</b>	<b>Listed Discipline(s)</b>
PE.0038094	Active	06/03/2013	09/30/2025	Environmental Engineer

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# *Louisiana Professional Engineering and Land Surveying Board*

## **License Information**

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

**Name:**

Mr. Albert Y. Ayenu-Prah  
Jr.

**Address:**

17732 Highland Road, Suite G-157  
Baton Rouge, Louisiana 70810

**License/Certificate Information**

<b>License</b>	<b>Status</b>	<b>First Issuance Date</b>	<b>Expiration Date</b>	<b>Listed Discipline(s)</b>
PE.0037402	Active	09/14/2012	03/31/2025	Civil Engineer

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# *Louisiana Professional Engineering and Land Surveying Board*

## **License Information**

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

**Name:**

Mr. George Francis Segre'  
Quilichini

**Address:**

1509 North Starrett Road  
Metairie, Louisiana 70003

**License/Certificate Information**

<b>License</b>	<b>Status</b>	<b>First Issuance Date</b>	<b>Expiration Date</b>	<b>Listed Discipline(s)</b>
PE.0042229	Active	12/05/2017	03/31/2026	Civil Engineer

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# *Louisiana Professional Engineering and Land Surveying Board*

## License Information

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

**Name:**

Ms. Anjelica Maria  
Moran

**Address:**

2536 Somerset Drive  
New Orleans, Louisiana 70131

### License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PE.0048910	Active	04/17/2024	09/30/2024	Civil Engineer

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# CERTIFICATE OF ACCREDITATION



## Terracon Consultants, Inc.

in


### New Orleans, Louisiana, USA

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

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



Jim Tymon,  
AASHTO Executive Director



Moe Jamshidi,  
AASHTO COMP Chair

This certificate was generated on 07/16/2024 at 1:40 PM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](https://aashtoresource.org/aap/accreditation-directory)



# SCOPE OF AASHTO ACCREDITATION FOR:

Terracon Consultants, Inc.

in New Orleans, Louisiana, USA

## Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	01/03/2012
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	07/27/2012
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	12/07/2012
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	02/02/2012
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/27/2012
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	12/07/2012
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/03/2014



# SCOPE OF AASHTO ACCREDITATION FOR:

Terracon Consultants, Inc.

in New Orleans, Louisiana, USA

## Asphalt Mixture

### Standard:

### Accredited Since:

T166 (Cores) Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	05/09/2016
D2726 (Cores) Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	05/09/2016



# SCOPE OF AASHTO ACCREDITATION FOR:

Terracon Consultants, Inc.

in New Orleans, Louisiana, USA

## Soil

### Standard:

### Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/03/2012
T88	Particle Size Analysis of Soils by Hydrometer	01/03/2012
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	01/03/2012
T90	Plastic Limit of Soils (Atterberg Limits)	01/03/2012
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/03/2012
T100	Specific Gravity of Soils	01/03/2012
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/03/2012
T208	Unconfined Compressive Strength of Cohesive Soil	12/30/2013
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	06/21/2021
T265	Laboratory Determination of Moisture Content of Soils	01/03/2012
T267	Determination of Organic Content in Soils by Loss on Ignition	01/03/2012
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	07/13/2018
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/03/2012
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/03/2012
D422	Particle Size Analysis of Soils by Hydrometer	01/03/2012
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/03/2012
D854	Specific Gravity of Soils	01/03/2012
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	01/03/2012
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/03/2012
D2166	Unconfined Compressive Strength of Cohesive Soil	12/30/2013
D2216	Laboratory Determination of Moisture Content of Soils	01/03/2012
D2435	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	06/21/2021
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	01/03/2012





# SCOPE OF AASHTO ACCREDITATION FOR:

Terracon Consultants, Inc.  
in New Orleans, Louisiana, USA

## Soil (Continued)

Standard:	Accredited Since:
D2488 Description and Identification of Soils (Visual-Manual Procedure)	01/03/2012
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	07/13/2018
D2974 Determination of Organic Content in Soils by Loss on Ignition	01/03/2012
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	01/03/2012
D4318 Plastic Limit of Soils (Atterberg Limits)	07/13/2018
D4546 One-Dimensional Swell or Settlement Potential of Cohesive Soils	06/21/2021
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	12/30/2013
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/03/2012



# SCOPE OF AASHTO ACCREDITATION FOR:

Terracon Consultants, Inc.  
in New Orleans, Louisiana, USA

## Aggregate

Standard:	Accredited Since:
R76 Reducing Samples of Aggregate to Testing Size	07/27/2012
R90 Sampling Aggregate	07/13/2018
T11 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	07/27/2012
T19 Bulk Density ("Unit Weight") and Voids in Aggregate	07/27/2012
T21 Organic Impurities in Fine Aggregates for Concrete	07/27/2012
T27 Sieve Analysis of Fine and Coarse Aggregates	07/27/2012
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	07/27/2012
T85 Specific Gravity and Absorption of Coarse Aggregate	07/27/2012
T255 Total Moisture Content of Aggregate by Drying	07/27/2012
C29 Bulk Density ("Unit Weight") and Voids in Aggregate	07/27/2012
C40 Organic Impurities in Fine Aggregates for Concrete	07/27/2012
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	07/27/2012
C127 Specific Gravity and Absorption of Coarse Aggregate	07/27/2012
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	07/27/2012
C136 Sieve Analysis of Fine and Coarse Aggregates	07/27/2012
C566 Total Moisture Content of Aggregate by Drying	07/27/2012
C702 Reducing Samples of Aggregate to Testing Size	07/27/2012
D75 Sampling Aggregate	07/13/2018



# SCOPE OF AASHTO ACCREDITATION FOR:

Terracon Consultants, Inc.  
in New Orleans, Louisiana, USA

## Concrete

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	07/27/2012
R60	Sampling Freshly Mixed Concrete	07/27/2012
R100 (Beams)	Making and Curing Concrete Beam Test Specimens in the Field	08/15/2016
R100 (Cylinders)	Making and Curing Concrete Cylinder Test Specimens in the Field	08/15/2016
T22	Compressive Strength of Cylindrical Concrete Specimens	07/27/2012
T24	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	01/02/2015
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	08/15/2016
T119	Slump of Hydraulic Cement Concrete	07/27/2012
T121	Density (Unit Weight), Yield, and Air Content of Concrete	07/27/2012
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	07/27/2012
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	07/27/2012
T231 (5000 psi and below)	Capping Cylindrical Concrete Specimens	12/17/2019
T309	Temperature of Freshly Mixed Portland Cement Concrete	07/27/2012
C31 (Beams)	Making and Curing Concrete Beam Test Specimens in the Field	08/15/2016
C31 (Cylinders)	Making and Curing Concrete Cylinder Test Specimens in the Field	08/15/2016
C39	Compressive Strength of Cylindrical Concrete Specimens	07/27/2012
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	01/02/2015
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	08/15/2016
C138	Density (Unit Weight), Yield, and Air Content of Concrete	07/27/2012
C143	Slump of Hydraulic Cement Concrete	07/27/2012
C172	Sampling Freshly Mixed Concrete	07/27/2012
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	07/27/2012
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	07/27/2012



# SCOPE OF AASHTO ACCREDITATION FOR:

Terracon Consultants, Inc.

in New Orleans, Louisiana, USA

## Concrete (Continued)

### Standard:

### Accredited Since:

C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	07/27/2012
C617 (5000 psi and below)	Capping Cylindrical Concrete Specimens	12/17/2019
C1064	Temperature of Freshly Mixed Portland Cement Concrete	07/27/2012
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	07/27/2012
C1542	Measuring Length of Concrete Cores	01/02/2015



# SCOPE OF AASHTO ACCREDITATION FOR:

Terracon Consultants, Inc.

in New Orleans, Louisiana, USA

## Masonry

### Standard:

### Accredited Since:

M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	07/27/2012
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	07/27/2012
C1019	Sampling and Testing Grout	07/27/2012