

P. O. Box 19172
New Orleans, LA 70179

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Geotechnical, Environmental & Construction Materials Testing

July 18, 2024

Jefferson Parish Council
c/o Eula Lopez, Parish Clerk
General Government Building
200 Derbigny St. Suite 6700
Gretna, LA 70054

**RE: Statement of Qualifications
Provide Professional Soil Investigative Services Laboratory Services for
Department of Public Work Projects – SOQ 24-022**

Dear Eula:

We are pleased to present our qualification submittal to provide the testing and inspection services which you have requested. Attached are copies of the following documents for your review:

1. Completed Jefferson Parish TEC Questionnaire and Affidavit
2. Statement of Qualifications and Resumes of Key Personnel
3. Copy of Accreditation Certificate from the American Materials Reference Laboratory.
4. Validation Letter from the U. S. Army Corp of Engineers
5. Registration Certificates from the Louisiana Professional Engineering and Land Surveying Board
6. Certificate of Insurance

We are fully insured including professional liability coverage.

Thank you for the opportunity to serve you and please call us should you have any questions.

Sincerely yours,
SOUTHERN EARTH SCIENCES, INC.

Ken Meyn, P.E.
District Manager

/Attachments

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 24-022 Provide Professional Soil Investigation Services for the Department of Public Works

B. Firm Name & Address:



725 South Genois Street, 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:

Lewis Copeland, Jr., P.E. – President
Louisiana P.E. #36592
6352 Piccadilly Square Dr., Mobile, AL 36616
251-445-4354
lcopeland@soearth.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.

Kenny Meyn, P.E. – District Manager
Louisiana P.E. #34945
725 South Genois Street, New Orleans, LA 70119
504-486-5595
kmeyn@soearth.com

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

- | | | |
|--------------------------------------|-----------------------------|------------------------------|
| 1 __ Administrative | ___ Estimators | ___ Specification Writers |
| ___ Architects (Licensed) | ___ Geologists | ___ Structural Engineers |
| ___ Chemical Engineers | ___ Geotechnical Engineers | ___ Graduate Engineers |
| 1 __ Civil Engineers | ___ Interior Designers | 2 __ Project Managers |
| 18 __ Construction Inspectors | ___ Landscape Architects | ___ Clerical |
| ___ Ecologists | ___ Land Surveyor | ___ Grant/Funding Specialist |
| ___ Electrical Engineers | ___ Mechanical Engineers | ___ Sanitary Engineers |
| 1 __ Engineer Intern | ___ Environmental Engineers | |
| ___ Professional Land Surveyors | | 24 __ TOTAL |

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

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

TEC Professional Services Questionnaire

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

1.

2.

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

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

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

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:

Kenny Meyn, P.E. – District Manager

Project Assignment:

Louisiana Professional Engineer – Project Manager

Fulfilling requirement 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"

Name of Firm with which associated:

Southern Earth Sciences, Inc.

Years' experience with this Firm:

38

Education: Degree(s)/Year/Specialization:

B.S. in Civil Engineering, University of New Orleans (1984)

Active registration: Year first registered/discipline:

1992/Louisiana Professional Engineer #24945

Other experience and qualifications relevant to the proposed Project:

Mr. Meyn has been in the industry since 1985 with extensive experience in construction materials testing services for structures, roads, and levees. His areas of expertise include vibration monitoring and pile load testing. He oversees these and the following areas of service for the New Orleans office: structural steel and welding inspection, pre-construction photographic surveys, post tensioning inspection, project management, roofing inspections, soils testing, concrete testing, and inspection and coatings inspection services. Mr. Meyn is an American Welding Society Certified Welding Inspector (#88020221). His professional memberships include the American Society of Civil Engineers (ASCE), Louisiana Engineering Society, American Institute of Steel Construction, American Concrete Institute, American Welding Society, and American Society for Testing Materials where he is a member of three technical committees relating to qualifications for testing agencies.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Lewis Copeland, P.E. – President
Project Assignment: Louisiana Professional Engineer <i>Fulfilling requirement 1: one principal who is a professional engineer who shall be registered as such in Louisiana</i>
Name of Firm with which associated: Southern Earth Sciences, Inc.
Years' experience with this Firm: 33
Education: Degree(s)/Year/Specialization: B.S. in Civil Engineering, University of South Alabama (1991)
Active registration: Year first registered/discipline: 2011/Louisiana Professional Engineer #36592
Other experience and qualifications relevant to the proposed Project: Lewis has been the Geotechnical Engineer of Record or Testing Engineer on hundreds of commercial, condominium, road, and bridge projects throughout the southeast. He sits on several boards including SES, Alabama General Contractors (AGC) Mobile Branch, Mobile County Road Builders Association (MCRBA), and the Mobile Area Chamber of Commerce.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: R.J. Gonzales, P.E. – CMT Department Manager
Project Assignment: Louisiana Professional Engineer – CMT <i>Fulfilling requirement 3: “one employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project.”</i>
Name of Firm with which associated: Southern Earth Sciences, Inc.
Years’ experience with this Firm: 21
Education: Degree(s)/Year/Specialization: B.S. in Civil Engineering, University of South Alabama (2004)
Active registration: Year first registered/discipline: 2014/Louisiana Professional Engineer #39330
Other experience and qualifications relevant to the proposed Project: Responsibilities and experience include Oversight of CMT Field Activities and Testing; Review and Processing of Collected CMT test data and reports; Evaluation of Collected Subsurface Data and Laboratory Results for use in Geotechnical Design and Reporting; Shallow Foundation Design and Settlement Evaluation; Rigid and Flexible Pavement Design; and Low Strain Pile Integrity Testing (Sonic Echo/Impulse Response – ASTM D5882). Alabama Department of Transportation – Concrete Technician (#T2411-10) American Concrete Institute – ACI Concrete Field Testing Technician – Grade 1 (#01192985) American Concrete Institute – ACI Concrete Laboratory Testing Technician – Level 1 American Concrete Institute – ACI Concrete Strength Testing Technician American Concrete Institute – ACI Aggregate Testing Technician – Level 1 American Concrete Institute – ACI Aggregate Base Testing Technician CPN Radiation Safety Officer (#A11495)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Leigh Brister, E.I. – Project Manager
Project Assignment: Project Manager
Name of Firm with which associated: Southern Earth Sciences, Inc.
Years' experience with this Firm: 5
Education: Degree(s)/Year/Specialization: B.S. in Environmental Engineering, Louisiana State University (2017)
Active registration: Year first registered/discipline: 2018/Louisiana Engineer Intern #33949
Other experience and qualifications relevant to the proposed Project: Geotechnical Field Investigation, Geotechnical Engineering Analysis and Design including Geotechnical Investigation (soil boring & CPT), Pile Foundations, Drilled Shaft Foundations, Pile supported approach slab design data, Pavement Design, and Geotechnical Reporting, all under the supervision of Licensed Geotechnical Engineer.

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:	
Labarre Road Widening Jefferson Parish Capital Projects Public Works Project No. 2017-020-RBP	SES provided comprehensive soil & concrete testing for this project including nuclear soil density, gradation and classification of soil, and proctors. Project components included: asphalt mill & overlay, asphaltic concrete, Portland cement concrete, roadway widening, drainage modifications, waterline relocation, striping, and associated work.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2023 (SES)	N/A	\$5,997

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Hope Haven Structural Investigation Jefferson Parish – Capital Projects	Structural investigation of approximately 2,000 sq. ft. of timber framing for the Hope Haven/Madonna Manor Campus. Testing included moisture testing of wood and rebound hammer testing of mortar and brick.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
July 2023 (SES)	N/A	\$3,953

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Force Main From Gruner – Loumor Sewer Capital Improvement Jefferson Parish Department of Sewerage</p>	<p>This project consisted of the design of Installation of a New Force Main from Gruner & Loumor Lift Station to Galleria Lift Station, Sewerage Capital Improvement Program Project No. D5414. SES provided a comprehensive range of construction materials testing services, including Density Testing, Proctor Compaction Testing, Soil Classification Testing, Soil Gradation Testing, and Concrete Testing and Inspections.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p>April 2018 (SES)</p>	<p>N/A</p>	<p>\$3,953</p>

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Avenue "D" Drainage, Phase V, DPW No. 2010-003-DR Jefferson Parish Department of Engineering</p>	<p>This was a \$2.5 million Jefferson Parish Capital Project award to reconstruct drainage from West Bank Express Way to 6th Street. Southern Earth Sciences, Inc. performed quality control services for Jefferson Parish DPW through Hartman Engineering. Our field personnel performed, sampled, tested, monitored and certified soils, concrete, reinforcing steel and vibration monitoring services.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p>August 2013 (SES)</p>	<p>\$2.5M</p>	<p>\$48,572</p>

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Sanitary Landfill Jefferson Parish Department of Environmental Affairs	SES performed field exploration services including the installation of nine (9) new monitoring wells and re-developing one (1) existing well. Eight (8) of the new wells were drilled and sampled to a depth of about 40 feet below existing grade each, and one well was drilled to about 22 feet below existing grade. Soil samples were obtained using borings advanced at 2-foot intervals.	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2012 (SES)	N/A	\$28,034

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Donaldsonville DPW CDBG Project Ascension Parish	State of Louisiana SES provided review of submitted mix design in accordance with ACI criteria to ensure compliance with project minimum requirements. During the construction phase of the project, SES also provided pile logging monitoring services.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2014 (SES)	N/A	\$3,126

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
FEMA Submerged Roads Jefferson Parish Capital Projects	This was a \$100 million federally-funded program that provided asphalt and concrete pavement replacement for 2,400 local street blocks of the Jefferson Parish. The program was divided into 27 projects. Southern Earth Sciences, Inc. worked under the direction of Linfield, Hunter & Junius, Inc. to perform coring of surface material, visual inspections for condition and thickness, and visual identification and thickness of base material for over 740 core locations for entire district 5 under three different projects.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
September 2011 (SES)	\$100M	\$100,084

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Village D'Lest Group C (FRC) DPW 21032 City of New Orleans	Overall project included water, sewer, and drainage line replacements as well as some full reconstruction, patch mill/overlay, patch concrete, incidental road repairs, and non-paving incidentals. In support of the project, SES provided Soil Testing Services including classification of soils, gradation analysis, laboratory compaction tests, and field nuclear testing; and Concrete Testing Services including review of mix design, concrete inspection and testing.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2023 (SES)	\$8.6M	\$18,092

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Wright Road (Chef Menteur Hwy - Dwyer Road) DPW213 City of New Orleans	This project was in conjunction with the Sewerage and Water Board of New Orleans and included road repairs as part of the Wright Road (Chef Menteur Boulevard — Dwyer Road) project. Repairs included Replacing/repairing damaged underground water, sewer and/or drainage lines; Repairing damaged curbs and gutters; Patching the roadway with asphalt; Replacing damaged sidewalks and driveway aprons; Installing Americans with Disabilities Act (ADA) compliant curb ramps at intersections. SES provided CMT services in support of the project including Soil Testing Services, Concrete Testing Services, and Asphalt Testing Services.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2022 (SES)	\$7.3M	\$23,270

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Lower Ninth Ward Pilot Streets DPW 2005-E04 City of New Orleans	The Pilot Streets Initiative began as a city project for infrastructure replacement in the flood damaged neighborhood of the Lower Ninth Ward. The main purpose of the project was to improve water quality, reduce runoff quantity, and retrofit the streets with pervious paving materials and stormwater best management practices (BMPs). In support of the project SES provided CMT Services including Concrete Testing and Inspection, Soil Gradation and Soil Aggregate Density Testing.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2012 (SES)	\$434,008	\$6,139

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.		
<p>Our New Orleans laboratory is certified and under direct overview of a professional engineer, as required by the American Society of Testing Materials, Standard E-329. Our technicians are trained in accordance with the testing industry standards and are certified and re-certified as required. SES supervisory personnel continually monitor and review technician performance and conduct in-house training and re-training as required to maintain a high level of performance.</p> <p>New Orleans Laboratory AASHTO Certifications</p> <p>Quality Management System - accredited since 1/1/1994 R18, C1077 (Aggregate), C1077 (Concrete), D3666 (Aggregate), D3666 (Asphalt Mixture), D3740 (Soil), E329 (Aggregate), E329 (Asphalt Mixture), E329 (Concrete), E329 (Soil)</p> <p>Asphalt Mixture - accredited since 1/1/1994 D2041, D2726, D5444, D6307</p> <p>Soil - accredited since 1/1/1994 T100, D421, D698, D1140, D1556, D1557, D2216, D2487, D2974, D4318, D6938</p>		

TEC Professional Services Questionnaire

Aggregate - accredited since 1/1/1994

R76, T11, T19, T21, T27, T84, T85, T104, T255, C29, C40, C88, C117, C127, C128, C136, C566, C702

Concrete - accredited since 1/1/1994

M201, R39, R60, R100, T22, T24, T97, T119, T121, T148, T152, T196, T198, T231, T309, C31, C39, C42, C78, C138, C143, C172, C173, C174, C192, C231, C496, C511, C617, C805, C1064, C1231

Masonry - accredited since 1/22/2013

C511 and C1019

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

Signature:  Print Name: Ken Meyer

Title: District Manager Date: 7-18-24

Statement of Qualifications

AFFIDAVIT

STATE OF LA

PARISH/COUNTY OF ORLEANS

BEFORE ME, the undersigned authority, personally came and appeared: KENNETH MEYN, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized DISTRICT MANAGER of SOUTHERN EARTH SCIENCES, INC. (Entity), the party who submitted a Statement of Qualifications (SOQ) to JEFFERSON PARISH GOVERNMENT (Briefly describe the services the SOQ will cover), to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

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

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

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

Affiant further said:

Debt Disclosures

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

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

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

Affiant further said:

Solicitation of Campaign Contribution Disclosures

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

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

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

Affiant further said:

Subcontractor Disclosures

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

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

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

Affiant further said:

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

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

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

Kenneth J. Meyn
Signature of Affiant

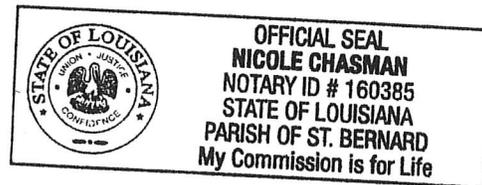
KENNETH J. MEYN
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 18 DAY OF JULY, 2024.

Nicole Chasman
Notary Public

Nicole Chasman
Printed Name of Notary

160385
Notary/Bar Roll Number



My commission expires at death.

P.O. Box 19172
New Orleans, LA 70179

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July 18, 2024



Geotechnical, Environmental & Construction Materials Testing

STATEMENT OF QUALIFICATIONS

TO: **Jefferson Parish Government**

FROM: **Southern Earth Sciences Inc.**

PROJECT: **Geotechnical Testing Services**

PURPOSE: Southern Earth Sciences, Inc., New Orleans office requests consideration for selection as your Construction Materials and Geotechnical Testing Agency for your projects.

SESI has provided quality assurance testing as an independent testing laboratory for the past 50 years to the construction industry. By maintaining American Concrete Institute, American Welding Society, Precast Concrete Institute, and LADOTD Certified Technicians, we feel that our firm is fully qualified to be retained to perform the construction materials and geotechnical testing services which will be required on your upcoming projects. The following information about our firm is provided for your consideration.

GENERAL QUALIFICATIONS: Southern Earth Sciences, Inc. a Registered Louisiana Engineering Firm, complies fully with the requirements for Testing Agencies as listed in the latest edition of ASTM C 1077, D3666, ASTM 3740 and ASTM E329. Initially accredited in 1994, the re inspection of our facilities by the American Association of State Highway and Transportation Officials has been completed and attached is a copy of the latest Certificate of Accreditation by AASHTO. Also validated by the U.S. Army Corps of Engineers.

BRIEF HISTORY: Our firm prior to 2006 was known as Delta Testing and Inspection, Inc. and was founded on August 1, 1962, by Malcolm A. Meyn, Patrick M. McGowan, and George A. Mansour, Jr. The home office was established in New Orleans with a Branch Office in Baton Rouge and Mandeville, La. Starting with 3 employees, the firm grew steadily and today has 125 dedicated and conscientious employees. Throughout the years, we have focused our interest in Geotechnical and Construction Materials Testing, and is today one of the most widely known and highly regarded such firms in the region. Delta Testing and Southern Earth Sciences merged in 2006.

CURRENT STATUS: Today, our operating structure consists of six offices spanning the Central Gulf Coast. The New Orleans office, which would service this job, operates with three managers, a full time Registered Professional Civil Engineer, three Secretaries, a Comptroller, 15 full time and 5 part time Inspectors and Technicians.

PAST EXPERIENCE: SESI Testing's Management Personnel have over 250 years of combined material testing experience, the most of any testing firm in the area. This experience is a valuable asset to any project team. Our New Orleans office has provided Testing laboratory services on many different types of heavy and commercial construction projects continually since it was founded. The projects have ranged from small additions, to large and complex developments of every kind. We have always succeeded in fulfilling the requirements of our contractual agreements. We believe that our success is based on a high level of Management interest in every project. Whatever the need or question, a top management official is always on call and can be easily reached for consultation.

QUALIFICATIONS AND AVAILABILITY OF PERSONNEL: SESI maintains a full time staff with varied expertise. Most inspectors are trained in more than one area, and are very capable and competent in what they do. The general breakdown by category is as follows:

Category	Manager In Charge	Number of Qualified Technicians
Pile Load Tests	Jay Laxates	10
Pile Logging	"	10
Vibration Monitoring	Kenneth J. Meyn, P.E.	8
Preconstruction surveys	"	4
Soil Laboratory Tests	Ernest Nillen	4
Soil Field Tests	"	4
Concrete Lab Tests	"	6
Concrete Field Tests	Michael Dauzat	15
Asphalt Testing	"	3
Fireproofing Inspection	Jay Laxates	3
Concrete Post-Tensioning	Kenneth J. Meyn, P.E.	3
Structural Steel Inspection	"	3
Coatings Inspection	Tung Nguyen, NACE Level II	2
NDT Welding Inspection	Ken Meyn, P.E., AWS-CWI	2

ABILITY TO MOBILIZE AND PROVIDE ADEQUATE STAFF IN A TIMELY MANNER: As can be seen from the above, we have the capability to staff virtually every size job with the required number of qualified personnel. Should we experience an overload in any particular area, we are able to draw from the staff in our branch offices (Baton Rouge and Mandeville) to get the job done. This happens from time to time, and is one of the advantages of maintaining Branch operations.

When hiring new personnel, we are able to select from a current list of employee referrals, decreasing the time needed to locate potential employees, and usually resulting in better qualified employees with a higher potential.

Of course, it is always advantageous to plan in advance for demands on employee skills. Having lead time to prepare for needs in critical areas can help prevent problems with staffing.

UNDERSTANDING OF THE PROJECT REQUIREMENTS: Understanding the scope of a Project and its resulting testing requirements is first on our list of priorities. Services cannot be rendered to specification requirements if the requirements are not fully understood.

The first action taken on a project is to obtain a set of plans and specifications. The specifications are reviewed; any conflicts or problems found are dealt with directly. It is very common, with referenced specifications, like ASTM and ACI, that new editions are published with subtle changes in the way tests are to be performed. These new changes often conflict with the wording of a particular section of a specification. We seek written clarification to these types of problems before work is begun on a project. One of our managers then becomes directly responsible for each project. Clarifications obtained are confirmed in writing, and that manager keeps in touch with the particular job until it is completed. Weekly staff meetings allow our managers to stay abreast of the general progress of each project.

We maintain corporate and/or individual memberships with the following organizations which are the leading organizations in each of their respective fields. These memberships help us keep abreast of the latest information and technology available to the Testing Industry.

ACIL - American Council of Independent Laboratories
ASTM - American Society of Testing and Materials
ACI - American Concrete Association
PCI - Prestress Concrete Institute
AWPA - American Wood Preservers Association
AWS - American Welding Society
AISC - American Institute of Steel Construction
NACE - National Association of Corrosion Engineers

GEOTECHNICAL SERVICES: All SESI locations have basic laboratory facilities but extensive capabilities exist in Mobile, Alabama; Panama City, Florida; and Baton Rouge, Louisiana. These laboratories are completely outfitted to perform ASTM and AASHTO testing of soils, concrete, asphalt and metals. Our laboratories hold certifications from the Corp of Engineers, American Association of State Highway Transportation Officials (AASHTO), CMEC in Florida, and LDEQ in Louisiana.

FIELD DRILLING AND SITE INVESTIGATIONS: Cone Penetration Testing (CPT), 5" Undisturbed Sampling, conventional SPT Testing, Macro Core, Ground Water Monitoring Wells, and Rock Coring are among our areas of expertise. Our field crews have completed the Hazard Assessment and Response Management Course as required by 29 CFR 1910-120. Our field investigation equipment consists of the following:

- 20 Ton digital CPT – track-mounted
- 20 Ton digital CPT – truck-mounted
- GeoProbe 6625 – track-mounted (CPT capability)
- BK-51 – track-mounted
- BK-66 on two wheel drive vehicle
- Diedrich D-50 on four-wheel drive vehicle
- CME-45 on four wheel drive vehicle
- Diedrich D-50 – track-mounted
- GeoProbe 6625 – track-mounted (CPT capability)
- Diedrich D-50 – two-wheel drive
- Barge Mounted (35'x10', Shallow Draft 12"-18") Diedrich D-50
- Barge Mounted Pneumatic Vibracore Sampler
(10'-20' continuous sampling capability)

All drilling rigs have the ability to drill with flight auger, hollow-stem auger or wet-rotary methods making them very versatile. Our drillers have over 100 years of experience in sampling as well as monitor well installations to depths over 200 feet including multi-case wells.

The Southern Earth Sciences Cone Penetrometer System is designed to provide high quality geotechnical and hydro geological in-situ soil properties.

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Statement of Qualifications
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Our 20-ton capacity track-mounted and truck-mounted CPT units have an enclosed cabin for worker comfort as well as protection from the environment. Electronic logs can be emailed from the field to our engineers and clients expediting field decisions. All CPT field testing procedures are performed in accordance with ASTM D 5778-95.

The two GeoProbe 6625 units are capable of macro core soil sampling or when anchored, up to 20 tons of pushing capacity for CPT use. The GeoProbe units are track-mounted for difficult access sites.

Engineering Analysis & Design: Typical services include:

- Site preparation recommendations
- Construction monitoring
- High Strain Dynamic (PDA) Testing of Deep Pile Foundations
- Low Strain Non Destructive Sonic Echo/Impulse Response Pile Integrity Testing
- Excavations
- Soil Stabilization
- Shallow Foundation Systems
- Cross Hole Sonic Logging of Drilled Shafts
- Real Time Monitoring and Recording of Vibrating Wire Instrumentation (i.e. Piezometers, Strain Gauges, Settlement Cells)

Insurance: Our firm carries a full line of insurance coverage including Professional Liability insurance. Certificates of insurance are ordered for our client's use upon notification that we have been awarded a new project. Certificates are attached.

Project Manager: The Project Manager for your projects will be Ken Meyn, P.E. Ken has worked on Jefferson Parish Projects since 1985.

Summary: In closing, we wish to stress that we believe in our ability to provide our clients with the highest quality, most cost effective Geotechnical and Construction Materials Testing Laboratory Services available. We understand the positive impact that competent, responsible technicians can have on the success of any construction project.

Should any further information be required, please do not hesitate to call.

Respectfully submitted,
SOUTHERN EARTH SCIENCE, INC.

Kenneth J. Meyn

Kenneth J. Meyn, P.E.
New Orleans District Manager



CERTIFICATE OF ACCREDITATION



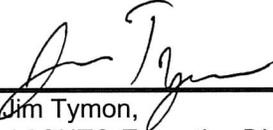
Southern Earth Sciences, Inc.

in

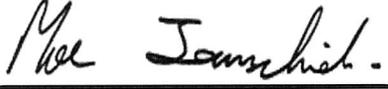
New Orleans, Louisiana, USA

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).



Jim Tymon,
AASHTO Executive Director



Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 07/18/2024 at 12:44 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



SCOPE OF AASHTO ACCREDITATION FOR:

Southern Earth Sciences, Inc.

in New Orleans, Louisiana, USA

Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	01/01/1994
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	06/30/2014
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	01/10/2011
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/14/2016
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	12/05/2014
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/23/2012



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Southern Earth Sciences, Inc.

in New Orleans, Louisiana, USA

Asphalt Mixture

Standard:	Accredited Since:
D2041 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	01/01/1994
D2726 (Cores) Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	06/09/2021
D5444 Mechanical Analysis of Extracted Aggregate	01/01/1994
D6307 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	01/01/1994



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Soil

Standard:	Accredited Since:
T100 Specific Gravity of Soils	06/09/2021
D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/01/1994
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/01/1994
D1140 Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	01/01/1994
D1556 Density of Soil In-Place by the Sand Cone Method	01/01/1994
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/01/1994
D2216 Laboratory Determination of Moisture Content of Soils	01/01/1994
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	01/01/1994
D2974 Determination of Organic Content in Soils by Loss on Ignition	12/02/2011
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	01/01/1994
D4318 Plastic Limit of Soils (Atterberg Limits)	01/01/1994
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/01/1994



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Aggregate

Standard:	Accredited Since:
R76 Reducing Samples of Aggregate to Testing Size	12/23/2019
T11 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	12/23/2019
T19 Bulk Density ("Unit Weight") and Voids in Aggregate	12/23/2019
T21 Organic Impurities in Fine Aggregates for Concrete	12/23/2019
T27 Sieve Analysis of Fine and Coarse Aggregates	12/23/2019
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	12/23/2019
T85 Specific Gravity and Absorption of Coarse Aggregate	12/23/2019
T104 Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	02/14/2023
T255 Total Moisture Content of Aggregate by Drying	12/23/2019
C29 Bulk Density ("Unit Weight") and Voids in Aggregate	01/01/1994
C40 Organic Impurities in Fine Aggregates for Concrete	01/01/1994
C88 Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	07/28/2017
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	01/01/1994
C127 Specific Gravity and Absorption of Coarse Aggregate	01/01/1994
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/01/1994
C136 Sieve Analysis of Fine and Coarse Aggregates	01/01/1994
C566 Total Moisture Content of Aggregate by Drying	01/01/1994
C702 Reducing Samples of Aggregate to Testing Size	01/01/1994



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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	12/23/2019
R39	Making and Curing Concrete Test Specimens in the Laboratory	12/23/2019
R60	Sampling Freshly Mixed Concrete	12/23/2019
R100 (Beams)	Making and Curing Concrete Beam Test Specimens in the Field	12/23/2019
R100 (Cylinders)	Making and Curing Concrete Cylinder Test Specimens in the Field	12/23/2019
T22	Compressive Strength of Cylindrical Concrete Specimens	12/23/2019
T24	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	12/23/2019
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	12/23/2019
T119	Slump of Hydraulic Cement Concrete	12/23/2019
T121	Density (Unit Weight), Yield, and Air Content of Concrete	12/23/2019
T148	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	12/23/2019
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	12/23/2019
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	12/23/2019
T198	Splitting Tensile Strength of Cylindrical Concrete Specimens	12/23/2019
T231 (8000 psi and below)	Capping Cylindrical Concrete Specimens	02/14/2023
T309	Temperature of Freshly Mixed Portland Cement Concrete	12/23/2019
C31 (Beams)	Making and Curing Concrete Beam Test Specimens in the Field	01/01/1994
C31 (Cylinders)	Making and Curing Concrete Cylinder Test Specimens in the Field	01/01/1994
C39	Compressive Strength of Cylindrical Concrete Specimens	01/01/1994
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	01/01/1994
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	01/01/1994
C138	Density (Unit Weight), Yield, and Air Content of Concrete	01/01/1994
C143	Slump of Hydraulic Cement Concrete	01/01/1994



SCOPE OF AASHTO ACCREDITATION FOR:

Southern Earth Sciences, Inc.

in New Orleans, Louisiana, USA

Concrete (Continued)

Standard:		Accredited Since:
C172	Sampling Freshly Mixed Concrete	01/01/1994
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	01/01/1994
C174	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	01/01/1994
C192	Making and Curing Concrete Test Specimens in the Laboratory	01/01/1994
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	01/01/1994
C496	Splitting Tensile Strength of Cylindrical Concrete Specimens	01/01/1994
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	01/22/2013
C617 (8000 psi and below)	Capping Cylindrical Concrete Specimens	02/14/2023
C805	Rebound Number of Hardened Concrete	01/01/1994
C1064	Temperature of Freshly Mixed Portland Cement Concrete	01/01/1994
C1231 (12000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	12/23/2019



SCOPE OF AASHTO ACCREDITATION FOR:

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in New Orleans, Louisiana, USA

Masonry

Standard:

Accredited Since:

C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes

01/22/2013

C1019 Sampling and Testing Grout

01/22/2013



Search Testing Lab Validation



Print Validation

Validation Expiration Date: 02/21/2026

AASHTO:

State: LA CLEAR

Search Testing Lab Validation: Southern Earth Sciences, Inc. - New Orleans, LA

725 S. Genois Street

New Orleans LA 70119

Ken Meyn

kmeyn@soearth.com

(504) 486-5595

Method Status	Method
Validated	Aggregate - C 29 - Unit Weight and Voids in Aggregate
Validated	Aggregate - C 40 - Organic Impurities
Validated	Aggregate - C 88 - Sulfate Soundness
Validated	Aggregate - C 117 - Material Finer than 75 µm (No. 200) Sieve
Validated	Aggregate - C 127 - Specific Gravity & Absorption in Coarse Aggregate
Validated	Aggregate - C 128 - Specific Gravity & Absorption in Fine Aggregate
Validated	Aggregate - C 136 - Sieve Analysis of Aggregates
Validated	Aggregate - E 329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
Validated	Aggregate - C 566 - Total Moisture Content
Validated	Aggregate - C 702 - Reducing Samples to Testing Size
Validated	Aggregate - C 1077 - Concrete and Concrete Aggregate Testing Standards (Quality Standards)
Validated	Aggregate - D 3666 - Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials
Validated	Bituminous - E 329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
Validated	Bituminous - D 2041 - Theoretical Maximum Specific Gravity & Density (Rice)
Validated	Bituminous - D 2726 - Bulk Specific Gravity and Density
Validated	Bituminous - D 3666 - Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials
Validated	Bituminous - D 5444 - Mechanical Size Analysis of Extracted Aggregate
Validated	Bituminous - D 6307 - Asphalt Content of Hot-Mix Asphalt by Ignition Method
Validated	Concrete - C 31 - Making and Curing Test Specimens in the Field
Validated	Concrete - C 39 - Compressive Strength of Cylindrical Specimens
Validated	Concrete - C 42 - Drilled Cores and Sawed Beams
Validated	Concrete - C 78 - Flexural Strength by Third Point Loading
Validated	Concrete - C 138 - Unit Weight and Air Content by Gravimetric
Validated	Concrete - C 143 - Slump
Validated	Concrete - C 172 - Sampling
Validated	Concrete - C 173 - Air Content by Volumetric ***required if C231 not performed***
Validated	Concrete - C 174 - Concrete Thickness by Drilled Cores
Validated	Concrete - C 192 - Making and Curing Test Specimens in Laboratory
Validated	Concrete - C 231 - Air Content by Pressure ***required if C173 not performed***
Validated	Concrete - E 329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
Validated	Concrete - C 496 - Splitting Tensile Strength
Validated	Concrete - C 511 - Moist Cabinets, Moist Rooms, Water Storage Tanks
Validated	Concrete - C 617 - Capping Cylindrical Specimens
Validated	Concrete - C 805 - Rebound Number of Hardened Concrete
Validated	Concrete - C 1064 - Temperature of Concrete
Validated	Concrete - C 1077 - Concrete and Concrete Aggregate Testing Standards (Quality Standards)
Validated	Concrete - C 1231 - Unbonded Caps
Validated	Masonry - C 511 - Mixing Rooms, Moist Cabinets, Cure Tanks
Validated	Masonry - C 1019 - Sampling and Testing Grout
Validated	Soils - D 421 - Dry Preparation for Particle Size Distribution & Soil Constants
Validated	Soils - D 698 - Compaction Characteristics by Standard Effort
Validated	Soils - D 1140 - Material Finer than 75 µm (No. 200) Sieve
Validated	Soils - D 1556 - Density & Unit Weight by Sand Cone
Validated	Soils - D 1557 - Compaction Characteristics by Modified Effort
Validated	Soils - D 2216 - Water Content
Validated	Soils - D 2487 - Classification of Soils
Validated	Soils - D 2974 - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils
Validated	Soils - D 3740 - Soil and Rock Testing Standards (Quality Standard)
Validated	Soils - D 4318 - Liquid & Plastic Limits & Plasticity Index

Search Method: Enter method

Lab Name:

AASHTO

Validation

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

Name:	Public Address:
Southern Earth Sciences, Inc.	P. O. Box 160745 Mobile, Alabama 36616 //

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
PE.0003079	Active	01/13/2004	03/31/2026	Mr. Kenneth John Meyn # PE.0024945

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. Kenneth John Meyn

Address:

725 South Genois Street
New Orleans, Louisiana 70119

License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PE.0024945	Active	06/30/1992	09/30/2024	Civil Engineer

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