

## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

### **Laboratory Services for Inspection of Materials and Equipment for Public Works Projects**

**SOQ 22-012 | Resolution No. 138808**

**B. Firm Name & Address:**



**Gulf South Engineering and Testing, Inc.**

15 Veterans Memorial Boulevard

Kenner LA 70062

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

**Chad M. Poché, P.E., Principal/Vice President**

telephone 504-305-4401 • cpoche@gulfsoutheng.com

Registered Professional Civil Engineer, Louisiana No. 27667 (1998)

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

**Chad M. Poché, P.E., Principal/Vice President**

telephone 504-305-4401 • cpoche@gulfsoutheng.com

Registered Professional Civil Engineer, Louisiana No. 27667 (1998)

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

6	Administrative	-	Estimators	-	Specification Writers
-	Architects (Licensed)	-	Geologists	-	Structural Engineers
-	Chemical Engineers	2	Geotechnical Engineers	1	Graduate Engineers
-	Civil Engineers	-	Interior Designers	-	Project Managers
10	Construction Inspectors	-	Landscape Architects	-	Clerical ( <i>see Administrative</i> )
-	Ecologists	-	Land Surveyor ( <i>*see PLS</i> )	-	Grant/Funding Specialist
-	Electrical Engineers	-	Mechanical Engineers	-	Sanitary Engineers
-	Engineer Intern	-	Environmental Engineers	1	Construction Managers
1	Professional Land Surveyors			1	Laboratory Managers

\*employee count also include two CMT Supervisors, 1 Senior Engineering Technician, 1 Field Engineer, 3 Laboratory Technicians, 1 Soil Boring Driller, and one Soil Boring Driller Apprentice

**32\* TOTAL**

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

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

## TEC Professional Services Questionnaire

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

1. N/A

2.

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

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

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

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

**32 (all personnel will be available to the project; individuals to be assigned)**

## TEC Professional Services Questionnaire

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

### **PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Chad M. Poché, P.E.**  
Vice-President

**Project Assignment:**

Engineering Manager; Geotechnical Engineer

**Name of Firm with which associated:**



**Years' experience with this Firm:**

11 years with this firm (2011); 29 years total (1993)

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

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

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

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

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

Mr. Poché is the Vice President, co-founder, and partner in Gulf South. He has been a consulting geotechnical engineer for more than 20 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for waste facilities and virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career.

Mr. Poché's experience includes the development of appropriate scopes of work and proposals for a broad range of projects; planning and coordinating analyses; preparing technical reports; foundation and geotechnical engineering design; construction recommendations; Miss. River facility permitting; managing personnel and office operations; and expert witness testimony. Mr. Poché has logged soil borings; overseen the installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); performed CMT field testing and inspection; and performed laboratory testing.

## TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

*Chad M. Poché, P.E. (continued)*

**N. Sibley Pump Station Improvements, Metairie, Jefferson Parish, LA.** Gulf South provided construction materials testing for the project, located at the corner of N. Sibley Street and West Napoleon Avenue. Gulf South's scope of work includes soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing. (\$20,000 (fee); 2021)

**St. Peter's Ditch – Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA.** Project consisted of the construction of a new pump station and below grade culverts and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$110,000 (fee); 2016)

**Jefferson Parish Department of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA.** Project consisted of the construction of a new warehouse for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction. Gulf South's scope of services included performing a pile load test, pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, steel inspection, and asphalt testing and inspection. (\$90,000 (fee); 2017)

**Submerged Roads Program – Phase 4, Metairie, Jefferson Parish, LA.** Project consisted of the construction of new paving and roadways for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing concrete and asphalt testing and inspection, and earthwork testing and inspection including soil sampling and field density tests. (\$7,500 (fee); 2015)

**Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA.** Project consisted of the construction of new below grade drainage features and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$7,000 (fee); 2016)

**Patriot Street Lift Station, Metairie, Jefferson Parish, LA.** Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$30,000 (fee); 2016)

**Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA.** Project consisted of the construction of new drainage features for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Gulf South's scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$30,000 (fee); 2016)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Eric A. Paille, C.E.T.**  
Construction Services Manager

**Project Assignment:**

Construction Services Manager

**Name of Firm with which associated:****Years' experience with this Firm:**

11 years with this firm (2011); 33 years total (1989)

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

High School Diploma

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

N/A

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

Mr. Paille serves as Gulf South's Construction Services Manager as well as the manager of Gulf South's Gonzales, LA office. He has experience as a technician, inspector, and testing manager, and is knowledgeable

- *ACI-I Field Technician (1991; No. 929012)*
- *Certified Engineering Technician (1992)*
- *Nuclear Gauge Safety Training (1994; No. 061321)*
- *Pile Driving Analyzer/CAPWAP, OSHA 40 HAZWOPER*

in all aspects of construction materials testing and construction inspection. Mr. Paille has performed all applicable field and soil tests over the past 30+ years.

In addition, he is certified in the safe use and handling of the nuclear density gauge. He received PDA training in 2003 and has knowledge of PDA testing along with significant experience with pile driving analyzers. Mr. Paille is one of the most knowledgeable people in our industry.

**Jefferson Parish Department of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA.** Project consisted of the construction of a new warehouse for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Gulf South's scope of services included performing a pile load test, pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, steel inspection, and asphalt testing and inspection. (\$90,000 (fee); 2017)

## TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

*Eric A. Paille, C.E.T. (continued)*

**St. Peter's Ditch – Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA.** Project consisted of the construction of a new pump station and below grade culverts and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$110,000 (fee); 2016)

**Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA.** Project consisted of the construction of new below grade drainage features and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$7,000 (fee); 2016)

**Patriot Street Lift Station, Metairie, Jefferson Parish, LA.** Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$30,000 (fee); 2016)

**Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA.** Project consisted of the construction of new drainage features for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Gulf South's scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$30,000 (fee); 2016)

**Jefferson Parish Fire Department – Garage (River Road), Bridge City, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during construction for the JPDF's New Garage in Bridge City, LA. Gulf South's scope of work included pile inspection, vibration monitoring, field density tests, earthwork inspection, welding and steel inspection, and concrete testing and inspection. (\$10,000 (fee); 2018)

**New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, LA.** Project consisted of the construction of several thousand linear feet of sewer force main for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$10,000 (fee); 2016)

**Submerged Roads Program – Phase 4, Metairie, Jefferson Parish, LA.** Project consisted of the construction of new paving and roadways for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing concrete and asphalt testing and inspection, and earthwork testing and inspection including soil sampling and field density tests. (\$7,500 (fee); 2015)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Blake E. Vutera, P.E.**  
Engineering Manager

**Project Assignment:**

Geotechnical Engineer

**Name of Firm with which associated:****Years' experience with this Firm:**

10 years with this firm (2012); 16 years total (2006)

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

M.S., 2018, Civil Engineering, University of New Orleans  
Certification - Coastal Engineering, 2018, University of New Orleans  
B.S., 2008, Civil Engineering, Louisiana State University

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

2013, Civil Engineer, Louisiana, No. 38607  
2018, Professional Engineer, Texas No. 129410

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

Mr. Vutera serves as Gulf South's Engineering Manager and is based in Gulf South's Kenner, LA office. His experience with the firm includes daily work on geotechnical engineering projects as well as managing all geotechnical investigations and providing assistance with laboratory testing and construction materials testing and inspection. Engineering analyses that Mr. Vutera routinely performs include: shallow and deep foundations, slope stability analyses, settlement estimates, and pavement design. He is responsible for engineering design, report preparation, proposal preparation, personnel management, project management, and client interaction.

Mr. Vutera's field work consists of borehole logging; installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); pavement coring; nuclear field density tests; and hand augers. Mr. Vutera has been the geotechnical engineer of record for hundreds of projects throughout his career.

**Submerged Roads Program - Phase 3, Metairie, Jefferson Parish, LA.** Perform asphalt and roadway testing and inspection as requested. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. Gulf South also provided asphalt batch plant inspection. (\$10,000 (fee); 2016)

## TEC Professional Services Questionnaire

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

*Blake E. Vutera, P.E. (continued)*

**Parish Line Drainage Pump Station Improvements – Phase I, City of Kenner, Jefferson Parish, LA.** Performed field & laboratory testing during construction of a new pump station in Jefferson Parish, Louisiana. Scope of services consisted of vibration monitoring, timber pile inspection at the site and during installation, performance of a pile load test, earthwork, and concrete testing & inspection. (\$10,000 (fee); 2018)

**Taft Park Drainage Improvements, Jefferson Parish, LA.** Perform inspection and testing during construction of various drainage improvements at Taft Park. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. (\$25,000 (fee); 2015)

**Westwego Pump Station #1, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during pump station #1 installation. Scope of services included field density tests, concrete testing and inspection, laboratory testing, and vibration monitoring. (\$10,000 (fee); 2016)

**St. Peter's Ditch (4700 W. Metairie Ave.), Metairie, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during the improvements of drainage at LA 3152 and LA 3139 (Phase 3C), including vibration monitoring. (\$25,000 (fee); 2015)

**Sewer Lift Station at Mississippi Avenue & 21st Street, Metairie, Jefferson Parish, LA.** Gulf South performed construction materials testing and inspection. Services included soil density tests, earthwork inspection and testing, backfill compaction testing, and concrete testing. (\$8,000 (fee); 2021)

**FEMA Submerged Roads Program, District 5 – Project 1, Jefferson Parish, LA.** Perform asphalt and roadway testing and inspection as requested. (\$15,000 (fee); 2014)

**Franklin Avenue Baptist Church (includes Previous Paving), New Orleans, LA.** Project consisted of the construction of a new \$30 million Baptist Church in New Orleans, LA. Paved areas for the project consist of permeable concrete. Gulf South provided field and laboratory inspection and testing of materials during construction (CMT). Our scope of services included performing: a pile load test, pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, pervious concrete testing and inspection, asphalt testing and inspection, earthwork testing and inspection including field density tests, welding inspection, decibel level testing, and steel inspection. (\$90,000 (fee); 2018)

**North Terminal Concourse A, Louis Armstrong New Orleans International Airport, Kenner, LA.** Gulf South performed field and laboratory testing during construction of the Terminal Building Project at the Louis Armstrong New Orleans International Airport in Kenner, Louisiana. Gulf South provided QA oversight of the contractor for the owner for this \$1.2 billion project which consists of the construction of a new terminal facility including a new 800,000 sf building, vehicle ramps, parking, etc. QA inspection consists of pile monitoring, concrete inspection and testing, earthwork testing and inspection, and steel inspection. The overall project is valued at \$1.2 billion. (\$60,000 (fee); 2019)

**Reno Hills Sewer System, St. Tammany Parish, LA.** Gulf South performed construction materials testing & inspection (field & lab) during construction of the project. Scope of work included field density tests, laboratory testing, and concrete inspection and testing. (\$65,000 (fee); 2014)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Cory Paille**  
Construction Materials Testing (CMT) Supervisor

**Project Assignment:**

Construction Materials Testing (CMT) Supervisor

**Name of Firm with which associated:**



**Years' experience with this Firm:**

8 years with this firm (2014); 8 years total (2014)

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

High School Diploma

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

N/A

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

Cory Paille serves as the CMT Supervisor in Gulf South's Gonzales, LA office. As a CMT Supervisor, he is responsible for scheduling technicians, technical training, resolving technical and

- NASSCO PACP, MACP, LACP Inspector
- APNGA Nuclear Moisture/Density Gauge Training
- ACI Concrete Field Testing Technician - Grade I
- OSHA Safety Training – 8 hr.

personnel issues, equipment maintenance, preparing proposals, reviewing reports, and client interaction. Mr. Paille's construction monitoring experience includes nuclear density testing, concrete testing and inspection, asphalt inspection, earthwork testing and inspection, driven pile inspection, vibration monitoring, augercast pile inspection, and drilled shaft inspection. He has executed laboratory testing involving concrete compressive strength, moisture content, grain size sieve, organic content, Proctor compaction, lime/soil and soil/cement % determinations, density tests, and Atterberg limits. Mr. Paille has logged soil borings, obtained and secured samples from soil borings and borrow pits, and completed hand augers. Mr. Paille routinely operates Gulf South's pavement coring machines. He has worked on a wide range of projects from testing fill pads for single family residences to full time field supervision and inspection for multi-million dollar developments.

**Choctaw Road Landfill – Cell 6, Franklinton, Washington Parish, LA.** Gulf South performed inspection and material testing during construction of the Choctaw Landfill Cell 6 caps according to the plans and specifications. Gulf South's work was used as part of a package submitted to Louisiana DEQ for approval and permitting purposes. (\$87,390 (fee); 2016)

## TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

*Cory Paille (continued)*

**Louis Armstrong New Orleans International Airport: North Terminal – Terminal Building, Kenner, LA.**

Gulf South performed field and laboratory testing during construction of the Terminal Building Project at the Louis Armstrong New Orleans International Airport in Kenner, Louisiana. Gulf South provided QA oversight of the contractor for the owner for this \$1.2 billion project which consists of the construction of a new terminal facility including a new 800,000 sf building, vehicle ramps, parking, etc. QA inspection consists of pile monitoring, concrete inspection and testing, earthwork testing and inspection, and steel inspection. The project was valued at \$1.2 billion. (\$2M (fee); 2019)

**Mid City Apartments (Phase I), New Orleans, LA.** Gulf South performed field and laboratory testing services during the construction of multiple apartment buildings, including paving & roadways, located at 3601 Conti Street in New Orleans. Scope of services consisted of vibration monitoring, timber pile inspection at the plant and during driving, earthwork testing & inspection, concrete testing & inspection, steel inspection, welding inspection, and mold remediation. Construction layout surveying services were executed as part of Phase II of the project. Two construction benchmarks (CBMs) were established (apartment building & parking garage), and property corners were recovered/re-established with offsets. Services included layout of 1,300 (+/-) piles; once all piles have been driven, layout of building corners will occur. The project is valued at \$15 million. (\$200,000 (fee); 2019)

**Charity Hospital Building Redevelopment Project, New Orleans, LA.** Gulf South provided all construction materials and environmental testing for the project, which involved the complete renovation of the Charity Hospital Building (more than 1 million sf) in New Orleans, Louisiana. Inspection and testing consisted of soil borings, laboratory testing, asbestos abatement, concrete testing, mortar testing, steel coupon testing, concrete coring, and building envelope testing. The project is valued at \$500 million. (\$200,000 (est. fee); ongoing)

**The Heights Apartments, Hammond, Tangipahoa Parish, LA.** Gulf South performed the field and laboratory testing during construction of the project. Testing consisted of field and laboratory density tests, soil and concrete classification tests, bedding and backfill inspection, proof roll inspection, pavement inspection, concrete and/or asphalt inspection and testing. (\$75,000 (fee); 2019)

**New Orleans Streets Program (RR 010), Broadmoor Group A, City of New Orleans LA.** Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. (\$54,081 (fee); 2020)

**St. Landry Road – Edenborne Connector (ENG-14-023), Ascension Parish, LA.** Gulf South performed geotechnical services, laboratory testing, and field construction materials testing & inspection during construction of the St. Landry Road – Edenborne Connector Road project (task GS-2017-01). (\$50,000 (fee), 2018)

**New Orleans Streets Program (RR 001), Audubon Group A, City of New Orleans, LA.** Gulf South provided construction materials testing and inspection during construction of RR 001, Audubon Group A project. Scope includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. (\$49,803 (fee); ongoing)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Christopher Boutwell**

Construction Materials Testing (CMT) Supervisor

**Project Assignment:**

Construction Materials Testing (CMT) Supervisor

**Name of Firm with which associated:**



**Years' experience with this Firm:**

10 years with this firm (2012); 13 years total (2009)

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

*High School Diploma*

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

N/A

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

Mr. Boutwell serves as a CMT Supervisor in Gulf South's Kenner, LA office. As a CMT Supervisor, Mr. Boutwell is responsible for scheduling technicians, technical training, resolving technical and personnel

- ACI Concrete Field Testing – Grade I
- APNGA Nuclear Moisture/Density Gauge Training
- OSHA Safety Training – 8 hr.

issues, equipment maintenance, preparing proposals, reviewing reports, and client interaction. Mr. Boutwell's construction monitoring experience includes nuclear density testing, concrete testing and inspection, asphalt inspection, earthwork testing and inspection, driven pile inspection, vibration monitoring, augercast pile inspection, and drilled shaft inspection. Mr. Boutwell is proficient in the following laboratory tests: soil and concrete compressive strength, moisture content, grain size sieve, organic content, Proctor compaction, lime/soil and soil/cement % determinations, density tests, and Atterberg limits.

Mr. Boutwell has logged soil borings, performed pile load tests, floor flatness testing, anchor bolt pull out tests, obtained and secured samples from soil borings and borrow pits, and completed hand augers. Mr. Boutwell routinely operates Gulf South's pavement coring machines.

**St. Peter's Ditch – Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA.** Project consisted of the construction of a new pump station and below grade culverts and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$110,000 (fee); 2016)

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

*Christopher Boutwell (continued)*

**Jefferson Parish Department of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA.** Project consisted of the construction of a new warehouse for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Gulf South's scope of services included performing a pile load test, pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, steel inspection, and asphalt testing and inspection. (\$90,000 (fee); 2017)

**Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA.** Project consisted of the construction of new drainage features for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Gulf South's scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$30,000 (fee); 2016)

**Patriot Street Lift Station, Metairie, Jefferson Parish, LA.** Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$30,000 (fee); 2016)

**N. Sibley Pump Station Improvements, Metairie, Jefferson Parish, LA.** Gulf South provided construction materials testing for the project, located at the corner of N. Sibley Street and West Napoleon Avenue. Gulf South's scope of work includes soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing. (\$20,000 (fee); 2021)

**Citrus Road and Greg Court Subsurface Drainage Improvements, Jefferson Parish, LA.** Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$20,000 (fee); 2019)

**Improvements to Sewer Lift Station M-11-3 (13th & Farrington) and Force Main, Marrero, Jefferson Parish, LA.** Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$15,000 (fee); 2019)

**Jefferson Parish Library Renovations (2350 Metairie Road), Metairie, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during construction of library renovations for the Jefferson Parish library along Metairie Road in Metairie, LA. Gulf South's scope of work included field density tests, earthwork inspection, welding and steel inspection, and concrete testing and inspection. (\$15,000 (fee); 2019)

**Relocation of Lift Station L-12-3, Marrero, Jefferson Parish, LA.** Construction inspection and materials testing for new lift station and sewer pipe installed at Patriot Ave. and Avenue G in Marrero, LA. Services consist of in-place fill density testing and vibration monitoring. (\$15,000 (fee); 2012)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**James Tiner**  
Laboratory Manager/Field Supervisor

**Project Assignment:**

Laboratory Manager/Field Supervisor

**Name of Firm with which associated:**



**Years' experience with this Firm:**

9 years with this firm (2013); 25 years total (1997)

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

High School Diploma

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

N/A

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

Mr. Tiner has a quarter-century of experience in both field and laboratory testing & inspection. His field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, steel inspection, augercast pile inspection, vibration monitoring, drilled shaft inspection, static and dynamic pile load tests, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring. In the laboratory, Mr. Tiner has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, Atterberg limits, organic content tests, moisture and density tests, Proctor compaction tests, sieve analyses, and sample extrusion.

- ACI Concrete Field Testing – Grade I

**Westwego Pump Station #1, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during pump station #1 installation. Scope of services included field density tests, concrete testing and inspection, laboratory testing, and vibration monitoring. (\$10,000 (fee); 2016)

**Dutchtown High School Auxiliary Gymnasium (Hwy 73), Dutchtown, Ascension Parish, LA.** Gulf South provided construction material testing and inspection on a call out basis during improvements to the Dutchtown HS Auxiliary Gym. Included moisture vapor emissions testing. Services consisted of soil and concrete testing and inspection. (\$3,349 (fee); 2019)

**Louis Armstrong New Orleans International Airport: North Terminal – Terminal Building, Kenner, LA.** Gulf South performed field and laboratory testing during construction of the Terminal Building Project at the Louis Armstrong New Orleans International Airport in Kenner, Louisiana. Gulf South provided QA

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

*James Tiner (continued)*

oversight of the contractor for the owner for this \$1.2 billion project which consists of the construction of a new terminal facility including a new 800,000 sf building, vehicle ramps, parking, etc. QA inspection consists of pile monitoring, concrete inspection and testing, earthwork testing and inspection, and steel inspection. The project was valued at \$1.2 billion. (\$2M (fee); 2019)

**St. Amant High School Flood Damage Restoration, Ascension Parish, LA.** Gulf South provided construction material testing and inspection on a call-out basis during construction of the project. Services included slab moisture content testing, concrete inspection, and compressive strength testing on concrete. (\$11,220 (fee); 2018)

**Taft Park Drainage Improvements, Jefferson Parish, LA.** Perform inspection and testing during construction of various drainage improvements at Taft Park. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. (\$25,000 (fee); 2015)

**Submerged Roads Program: District 5, Project 1, Jefferson Parish, LA.** Gulf South performed asphalt testing and inspection as instructed by the client. (\$12,000 (fee); 2013)

**Bonnet Carre Stockpile Contract 1, Bonnet Carre Spillway Pit Location, St. Charles Parish, LA.** Gulf South provided testing of fill as it is moved from the Spillway to stockpiles. This testing consists of moisture content, density tests, organic tests, Atterberg limits, and Proctor tests. In addition, soil borings were performed by Gulf South through the stockpiles once filling is complete. (\$25,000 (fee); ongoing)

**Apple Digital Basketball Courts, Sorrento, Ascension Parish, LA.** Gulf South provided construction material testing and inspection on a call out basis during improvements to pavement at Galvez Primary (9697 Airline Highway). Services included concrete testing and inspection. (\$827 (fee); 2020)

**New RVTO Headquarters, Gonzales, Ascension Parish, LA.** Gulf South provided construction material testing and inspection on a call out basis during construction of the new RVTO headquarters. Services consisted of soil (density tests and lab tests) and concrete testing and inspection. (\$2,048 (fee); 2019)

**Replacement of Sewer Pump Station (SPS) 8, Sewerage & Water Board of New Orleans, LA.** This \$15 million project consisted of the replacement of a sewer pump station for the Sewerage & Water Board of New Orleans. Gulf South provided field and laboratory inspection and testing of materials during construction (CMT). Our scope of services included performing: a pile load test, pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including field density tests, and steel inspection. (\$103,411 (fee); 2019)

**Donaldsonville High School Softball Batting Cages, Donaldsonville, Ascension Parish, LA.** Gulf South provided construction material testing and inspection (notably soil & concrete) during construction of the Donaldsonville High School softball batting cages. Services consisted of soil and concrete testing and inspection. (\$473 (fee); 2019)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Peyton J. Callaghan**  
Engineering Technician

**Project Assignment:**

Engineering Technician

**Name of Firm with which associated:**



**ENGINEERING AND TESTING, INC.**  
Geotechnical & Materials Consultants

**Years' experience with this Firm:**

5 years with this firm (2017); 5 years total (2017)

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

High School Diploma (2017)

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

N/A

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

Peyton Callaghan joined Gulf South in 2017 and serves as an Engineering Technician for the firm. He has been provided field and laboratory testing services for many projects.

- ACI Concrete Field Testing – Grade I

**Earhart Expressway Lighting Improvements (Clearview Parkway to Central Avenue), Jefferson Parish, LA.** Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, pile inspection, and concrete testing and inspection. (\$10,000 (fee); 2019)

**West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, LA.** Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$10,000 (fee); 2019)

**N. Sibley Pump Station Improvements, Metairie, Jefferson Parish, LA.** Gulf South provided construction materials testing for the project, located at the corner of N. Sibley Street and West Napoleon Avenue. Gulf South's scope of work includes soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing. (\$20,000 (fee); 2021)

## TEC Professional Services Questionnaire

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

*Peyton J. Callaghan (continued)*

**Citrus Road and Greg Court Subsurface Drainage Improvements, Jefferson Parish, LA.** Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$20,000 (fee); 2019)

**Improvements to Sewer Lift Station M-11-3 (13th & Farrington) and Force Main, Marrero, Jefferson Parish, LA.** Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$15,000 (fee); 2019)

**Jefferson Parish Library Renovations (2350 Metairie Road), Metairie, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during construction of library renovations for the Jefferson Parish library along Metairie Road in Metairie, LA. Gulf South's scope of work included field density tests, earthwork inspection, welding and steel inspection, and concrete testing and inspection. (\$15,000 (fee); 2019)

**Improvements to Sewer Lift Station No. 48-3, Metairie, Jefferson Parish, LA.** Gulf South provided field and laboratory testing on a call-out basis during construction of the project (SCIP D55116) located at the intersection of Houma Boulevard and West Esplanade Avenue. Scope of services included vibration monitoring, concrete sample pick-up and inspection, pile monitoring, and laboratory testing. (\$10,000 (fee); 2021)

**Firehouse Road Sewer Force Main Replacement, Kenner, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during construction for a new sewer force main for Jefferson Parish in Kenner, LA. Gulf South's scope of work included field density tests, earthwork inspection, and concrete testing and inspection. (\$10,000 (fee); 2019)

**LaSalle Park Baseball Fields Turf, Metairie, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during construction for the renovations at LaSalle Park Baseball Fields Turf in Metairie, LA. according to plans and specifications. Testing consisted of field density tests and concrete inspection. (\$7,500 (fee); 2019)

**Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, Jefferson Parish, LA.** Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$10,000 (fee); 2019)

**Westgate Drainage Improvements, Metairie, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during construction of various drainage improvements. Scope included earthwork testing & inspection and concrete testing & inspection. (\$8,000 (fee); 2018)

**Bluff Ridge Primary School (Hwy 73), Geismar, Ascension Parish, LA.** Performed construction materials testing and inspection on a call-out basis during project construction. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. (\$20,000 (fee); 2020)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Joseph H. "Trey" Binder, III**  
Laboratory Manager

**Project Assignment:**

Laboratory Manager; Laboratory Technician

**Name of Firm with which associated:**



**Years' experience with this Firm:**

11 years with this firm (2011); 16 years total (2006)

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

A.D., 2011, General Studies, Nunez Community College

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

N/A

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

Mr. Binder has direct experience with field and laboratory testing services, and is NICET certified in multiple disciplines, including Construction Materials Testing Soils, Geotechnical Engineering Technologies Exploration, and Geotechnical Engineering Technologies Laboratory (Level I). Mr. Binder has HAZMAT Awareness and Operations Training.

- HAZMAT Awareness
- HAZMAT Operations Training
- ACI Aggregate Base Testing Technician

Mr. Binder's field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, vibration monitoring, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring. In the laboratory, Mr. Binder has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, Atterberg limits, organic content tests, moisture and density tests, Proctor compaction tests, sieve analyses, and sample extrusion.

**Taft Park Drainage Improvements, Jefferson Parish, LA.** Perform inspection and testing during construction of various drainage improvements at Taft Park. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. (\$25,000 (fee); 2015)

**N. Sibley Pump Station Improvements, Metairie, Jefferson Parish, LA.** Gulf South provided construction materials testing for the project, located at the corner of N. Sibley Street and West Napoleon Avenue. Gulf South's scope of work includes soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing. (\$20,000 (fee); 2021)

## TEC Professional Services Questionnaire

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

*Joseph H. Binder, III (continued)*

**Citrus Road and Greg Court Subsurface Drainage Improvements, Jefferson Parish, LA.** Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$20,000 (fee); 2019)

**Athlos Academy Portable Project, Terrytown, Jefferson Parish, LA.** Provided field testing services for the project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. (\$15,798 (fee); 2020)

**Improvements to Sewer Lift Station M-11-3 (13th & Farrington) and Force Main, Marrero, Jefferson Parish, LA.** Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$15,000 (fee); 2019)

**FEMA Submerged Roads Program, District 5 – Project 1, Jefferson Parish, LA.** Perform asphalt and roadway testing and inspection as requested. (\$15,000 (fee); 2014)

**Improvements to Sewer Lift Station No. 48-3, Metairie, Jefferson Parish, LA.** Gulf South provided field and laboratory testing on a call-out basis during construction of the project (SCIP D55116) located at the intersection of Houma Boulevard and West Esplanade Avenue. Scope of services included vibration monitoring, concrete sample pick-up and inspection, pile monitoring, and laboratory testing. (\$10,000 (fee); 2021)

**West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, LA.** Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$10,000 (fee); 2019)

**Earhart Boulevard Lighting Project, Kenner, Jefferson Parish, LA.** Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, pile inspection, and concrete testing and inspection. (\$10,000 (fee); 2019)

**Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, Jefferson Parish, LA.** Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$10,000 (fee); 2019)

**Parish Line Drainage Pump Station Improvements – Phase I, City of Kenner, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during construction of a new pump station in Jefferson Parish, Louisiana. Scope of services consisted of vibration monitoring, timber pile inspection at the site and during installation, performance of a pile load test, earthwork, and concrete testing & inspection. (\$10,000 (fee); 2018)

## TEC Professional Services Questionnaire

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

### PROJECT NO. 1

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p><b>N. Sibley Pump Station Improvements,</b> Metairie, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish</b> <b>c/o Digital Engineering</b> 527 West Esplanade Avenue Suite 200 Kenner LA 70065</p> <p><b>Frank T. Liang, P.E.,</b> 504-468-6129 fliang@deii.net</p>	<p>Gulf South provided construction materials testing for the project, located at the corner of N. Sibley Street and West Napoleon Avenue. Gulf South's scope of work includes soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2021 March	N/A	\$20,000 (fee)

### PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p><b>Jefferson Parish Department of Public Works West Bank Central Warehouse,</b> Bridge City, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish Public Works Department</b> <b>Reda M. Youssef, P.E.,</b> 504-736-6783 JPPW@jeffparish.net</p> <p><b>c/o ECM Consultants, Inc.</b> <b>Chris Capretto,</b> 504-885-4080 ccapretto@ecmconsultants.com</p>	<p>Project consisted of the construction of a new warehouse for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Gulf South's scope of services included performing a pile load test, pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, steel inspection, and asphalt testing and inspection.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2017 August	N/A	\$90,000 (fee)

## 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>	
<p><b>West Esplanade Avenue Restoration (Tartan Drive to Haring Road),</b> Metairie, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish</b> <b>c/o APTIM Environmental &amp; Infrastructure</b> 2424 Edenborn Avenue, Suite 450 Metairie LA 70001</p> <p><b>Gene Gillen, 504-832-4878</b> gene.gillen@aptim.com</p>	<p>Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2019 December	N/A	\$10,000 (fee)

<b>PROJECT NO. 4</b>		
<b>Project Name, Location, and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>St. Peter's Ditch – Phase IV (Pump Station at Clearview),</b> Metairie, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish Public Works Department</b> 1221 Elmwood Park Blvd Ste 904 Jefferson LA 70123</p> <p><b>Reda M. Youssef, P.E., 504-736-6783</b> JPPW@jeffparish.net</p>	<p>Project consisted of the construction of a new pump station and below grade culverts and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2016 October	N/A	\$110,000 (fee)

## 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>	
<p><b>Earhart Expressway Lighting Improvements (Clearview Parkway to Central Avenue),</b> Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish</b>  <b>c/o Perrin &amp; Carter, Inc.</b>                      3501 Ridgelake Drive                      Metairie LA 70002</p> <p><b>Georgia Dufresne, 504-831-7958</b>                      gdufresne@perrincarter.com</p>	<p>Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, pile inspection, and concrete testing and inspection.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2019 December	N/A	\$10,000 (fee)

<b>PROJECT NO. 6</b>		
<b>Project Name, Location, and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Improvements to Sewer Lift Station M-11-3 (13th &amp; Farrington) and Force Main,</b> Marrero, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish</b>  <b>c/o Shread-Kuyrkendall &amp; Assoc., Inc.</b>                      104 Campus Drive East, Suite 102                      Destrehan LA 70047</p> <p><b>Steve P. Breeding, P.E., 985-764-4060</b>                      sbreeding@skaengr.com</p>	<p>Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2019 November	N/A	\$15,000 (fee)

## 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>	
<p><b>Clearview Parkway Drainage Project,</b> Metairie, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish Public Works Department</b> 1221 Elmwood Park Blvd Ste 904 Jefferson LA 70123</p> <p><b>Reda M. Youssef, P.E.,</b> 504-736-6783 JPPW@jeffparish.net</p>	<p>Project consisted of the construction of new drainage features for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2016 March	N/A	\$30,000 (fee)

<b>PROJECT NO. 8</b>		
<b>Project Name, Location, and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Citrus Road and Greg Court</b> <b>Subsurface Drainage Improvements,</b> Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish</b> <b>c/o Buchart-Horn, Inc.</b> 18163 East Petroleum Drive, Suite A Baton Rouge LA 70809</p> <p><b>Alan Krouse, 225-936-9946</b> akrouse@bucharthorn.com</p>	<p>Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2019 October	N/A	\$20,000 (fee)

## 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>	
<p><b>Jefferson Parish Library Renovations (2350 Metairie Road), Metairie, Jefferson Parish, Louisiana</b></p> <p><b>Jefferson Parish Library Department</b> 4747 West Napoleon Avenue Metairie LA 70001</p> <p><b>Antoinette Scott, 504-838-1100</b> ascott@jefferson.lib.la.us</p>	<p>Gulf South performed field and laboratory testing during construction of library renovations for the Jefferson Parish library along Metairie Road in Metairie, LA. Gulf South's scope of work included field density tests, earthwork inspection, welding and steel inspection, and concrete testing and inspection.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2019 August	N/A	\$15,000 (fee)

<b>PROJECT NO. 10</b>		
<b>Project Name, Location, and Owner's Contact Information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Patriot Street Lift Station,</b> Metairie, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish Public Works Department</b> 1221 Elmwood Park Blvd Ste 904 Jefferson LA 70123</p> <p><b>Reda M. Youssef, P.E., 504-736-6783</b> JPPW@jeffparish.net</p>	<p>Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2016	N/A	\$30,000 (fee)

## TEC Professional Services Questionnaire

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

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

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



### MINIMUM REQUIREMENTS FOR SELECTION (PERSONNEL)

1. One **principal** who is a professional engineer who shall be registered as such in Louisiana.

This criteria is met by Gulf South's **Chad M. Poché, P.E.**, a Vice President, co-founder, and partner in Gulf South. He has been a registered engineer since 1998 in South 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.

This criteria is met by Gulf South's **Chad M. Poché, P.E.** and **Blake M. Vutera, P.E.** Mr. Vutera serves as Gulf South's Engineering Manager. His experience with the firm includes daily work on engineering projects as well as managing all geotechnical investigations and providing services involving laboratory testing and construction materials testing & inspection.

# TEC Professional Services Questionnaire

## N. continued.

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.)

This criteria is met by Gulf South's **Chad M. Poché, P.E.** and **Blake M. Vutera, P.E.**

### **CRITERIA 1 • PROFESSIONAL TRAINING AND RELATED EXPERIENCE**

**Gulf South Engineering and Testing, Inc. (Gulf South)** is a geotechnical engineering and construction materials testing and inspection company which began operations in 2011. Since that time, we have grown to two offices and over two dozen employees. Gulf South provides a broad range of geotechnical related services, completing more than 100 geotechnical engineering projects and **300 construction materials testing and inspection projects each year**. These projects typically include soil borings (shallow and deep borings), laboratory testing (AASHTO, ASTM methods, etc.), soil classification (USCS), geotechnical engineering, and construction material testing and field inspection.

**Gulf South is a woman-owned, Hudson Initiative-certified & Regional Transit Authority-recognized small business in Louisiana. Our laboratory is AASHTO and CCRL certified and USACE validated.**

#### **Laboratory Testing Services**

Gulf South's laboratory is equipped to serve the specific needs of our clients and managed by trained and experienced personnel. All testing is performed in accordance with ASTM, AASHTO, and/or other approved procedures. Gulf South routinely performs soil and concrete strength testing (unconfined and triaxial), soil classification tests (Atterberg limits, moisture content, density, particle size), soil and aggregate sieves, organic content, pH, soil resistivity, and moisture/density relationships (Proctor tests). Gulf South's laboratories are managed by full time, experienced, managers and staff.

**Gulf South's Kenner laboratory is AASHTO and CCRL certified and USACE validated.**

#### **Construction Materials Testing & Inspection**

Gulf South provides a full range of construction materials testing and inspection services for structures, earthwork, foundations, pipelines, and pavements. The range of services provided by the Gulf South team includes:

- *Fill and base compaction and density testing*
- *Vibration monitoring*
- *Pre- and post-construction inspection*
- *Concrete testing and inspection*
- *Soil testing (field and laboratory)*
- *Asphalt testing*
- *Pile (driven & augercast) and shaft installation monitoring*
- *Load tests*
- *Earthwork/proof roll inspection*
- *Welding inspection*
- *Steel inspection*
- *Noise monitoring*

We have provided construction testing and oversight for projects as small as fill for a house pad to as **large as the \$1.2 billion Louis Armstrong New Orleans International Airport New Terminal** project.

# TEC Professional Services Questionnaire

## **N. continued.**

### **Field Investigation Services**

Gulf South owns truck mounted (ARDCO C-1000) and track mounted (ARDCO SD 350) drilling rigs with associated and appurtenant support equipment (water trucks and buggy). Our equipment and crews are capable of drilling soil borings to depths of up to 300 feet and installing monitor wells, piezometers, and inclinometers. We can also perform CPT soundings, geoprobe borings, and field testing at any site. Our staff has extensive experience in planning, oversight, and direction of field investigations.

### **Geotechnical Engineering Services**

Gulf South's ownership and senior management have decades of combined experience in the profession and have completed thousands of projects. One of Gulf South's Principals, Chad M. Poché, P.E., a founding principal and Professional Engineer registered in Civil Engineering in Louisiana and Mississippi, has specific and extensive training & experience in geotechnical engineering. He has three decades of experience in planning, administering, and conducting geotechnical investigations.

The firm has specific engineering experience and training in Geotechnical Engineering, Foundation Design, and Geology & Geohydrology; our staff has extensive experience in all aspects of soil mechanics and geotechnical engineering with specific knowledge in the following areas:

- *Shallow and deep foundations (piles, shafts, augercast, screw/anchor piles)*
- *Deep excavations, cofferdams, retaining walls*
- *Levees and soft ground construction; slope stability & seepage*
- *Earthwork; settlement analyses*
- *Shoreline protection*
- *Scour analyses*
- *LRFD Design*
- *Mechanically Stabilized Earth (MSE) Walls*
- *Development of load test programs*
- *Geotechnical instrumentation and construction monitoring*
- *Canals and pump station foundations*
- *Pipe bedding and backfill*
- *Roadways, bridges, pavements*

## **CRITERIA 2 • SIZE OF FIRM**

At nearly three dozen employees, Gulf South has the appropriate number of employees and personnel for this project. We will complete our scope of services on time and within budget. Further said, Gulf South is able to readily meet the time and budget constraints for projects assigned to this contract. Our current work load is such that we can expeditiously complete projects for this contract.

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

The Principals and key employees of Gulf South have many years of applicable experience in working for and with Government Agencies and private industry. Founding principal and Vice President of Gulf South, Chad M. Poché, P.E., has been a practicing registered geotechnical engineer in South Louisiana for since 1998. He has specialized training and experience in geotechnical engineering throughout Louisiana.

Gulf South's Engineering Manager, Blake E. Vutera, P.E., has over 14 years experience in geotechnical investigations and has provided engineering analysis, laboratory testing, construction materials testing and inspection. He has been the geotechnical engineer of record for hundreds of projects throughout his career

# TEC Professional Services Questionnaire

## **N. continued.**

As evidenced in the provided projects & personnel résumés, key personnel past experience includes the completion of thousands of projects in the region throughout their careers for a broad range of clients, including both the government and private sectors. We are able to submit data in formats acceptable and customized to our clients' needs.

Further, Gulf South continues to expand its staff and mentor the next generation of geotechnical engineers and professionals. One of our newest employees, Sara E. Lockwood, is a recent UNO Civil Engineering graduate who is working with our seasoned professionals in the challenging field of geotechnical engineering in the State of Louisiana. She has already gained extensive experience working on projects since joining the firm in 2019 and will continue to expand her knowledge and skill set working with our firm.

### **CRITERIA 4 • PAST PERFORMANCE ON PARISH CONTRACTS**

Gulf South has worked both directly and indirectly for various **Jefferson Parish Departments** (Public Works, Engineering Department, Drainage Department, Jefferson Parish School Board, etc.) throughout our history. This would include, **but not be limited to**, the following:

- *Improvements to Sewer Lift Station No. 48-3, Metairie, Jefferson Parish, LA*
- *New Building and Parking Lot, East Bank Juvenile Services, Jefferson Parish, LA*
- *Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, LA*
- *N. Sibley Drainage Improvements (N. Sibley at W. Napoleon), Metairie, Jefferson Parish, LA*
- *Sewer Lift Station at Mississippi Avenue & 21st Street, Metairie, Jefferson Parish, LA*
- *Jefferson Parish Fire Department – Garage (River Road), Bridge City, Jefferson Parish, LA*
- *Jefferson Parish Dept. of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA*
- *New Charter School, Behrman Highway, Terrytown, Jefferson Parish, LA*
- *Jefferson Parish Library Renovations (2350 Metairie Road), Metairie, Jefferson Parish, LA*
- *Clancy-Maggiore Elementary School – New Art and Band Wing, Kenner, Jefferson Parish, LA*
- *Johnny Bright Playground Gymnasium HVAC Installation, Metairie, Jefferson Parish, LA*
- *Kennedy Heights Playground Gymnasium HVAC Renovation, Avondale, Jefferson Parish, LA*
- *Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, Jefferson Parish, LA*
- *Earhart Expressway (Clearview Parkway to Central Avenue) Lighting Improvements, Jefferson Parish, LA*
- *West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, LA*
- *Citrus Road and Greg Court Subsurface Drainage Improvements, Jefferson Parish, LA*
- *Improvements to Sewer Lift Station M-11-3 & Force Main, Marrero, Jefferson Parish, LA*
- *Westgate Drainage Improvements, Metairie, Jefferson Parish, LA*
- *Bike Path Soil Borings, Jefferson Highway to Northline Street, Jefferson Parish, LA*
- *Green Acres Road - New Street Lighting, Metairie, Jefferson Parish, LA*
- *New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, LA*
- *New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, LA*
- *Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, LA*
- *Parish Line Drainage Pump Station Improvements - Phase I, City of Kenner, Jefferson Parish, LA*
- *Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA*
- *New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA*
- *Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA*
- *New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, LA*
- *St. Peter's Ditch - Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA*
- *Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA*
- *Lift Station Replacement - N. Pierce Avenue & Versailles Street, Metairie, Jefferson Parish, LA*
- *Marsh Island Restoration Project, Lafreniere Park, Metairie, Jefferson Parish, LA*
- *Lift Station Replacement - Mississippi Avenue at 21st Street, Metairie, Jefferson Parish, LA*
- *Kawane at Olympic Lift Station, Metairie, Jefferson Parish, LA*
- *Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA*

# TEC Professional Services Questionnaire

N. continued.

- Submerged Roads Program - Multiple Phases, Metairie, Jefferson Parish, LA
- St. Peter's Ditch (4700 W. Metairie Ave.), Metairie, Jefferson Parish, LA
- Engineering Analysis Review (EAR) - Lafitte Tidal Protection Project (Phase I), Lafitte, Jefferson Parish, LA
- David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive), Jefferson Parish, LA
- Marrero WWTP New Administration Building and Safe Room, Marrero, Jefferson Parish, LA
- New Sewer Lift Station, Mississippi Ave. and Fulton St., Metairie, Jefferson Parish, LA
- Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, LA
- Canal Bank Stabilization, Wayne Avenue at West Bank Expressway, Jefferson Parish, LA

Beyond the projects included within this form, additional project information (including listings, background, & client contacts) are available upon request. We have also completed similar services for Public and Private concerns throughout the region.

## CRITERIA 5 • LOCATION OF PRINCIPAL OFFICE

Gulf South is located in Jefferson Parish at 15 Veterans Memorial Boulevard in Kenner, Louisiana.

## CRITERIA 6 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

See Item M; Gulf South has not been involved in litigation with Jefferson Parish.

## CRITERIA 7 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS (REFERENCES)

The Principals and key employees of Gulf South have many years of applicable experience in working for and with Government Agencies and private industry. We are proud that a majority of its work is from repeat clients—we complete our projects on-time and within budget.

Multiple examples of this work are included throughout this form in both the Personnel Résumés section (Item K) and **Representative Project Work (Item L), with direct referencing for specific projects noted therein.** Gulf South invites you to contact any of our clients for a candid discussion of our service and professionalism, and offer these direct references:

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

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

**Tom Schreiner**, Deputy CAO, Public Works & Capital Projects, City of Kenner  
(504-468-7515 | tschreiner@kenner.la.us)

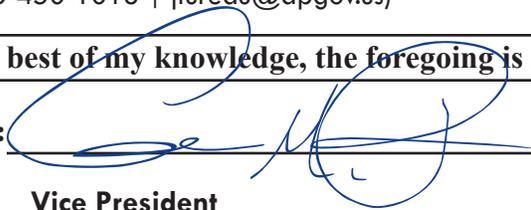
**Angela DeSoto, P.E.**, Director of Engineering, Jefferson Parish  
(504-736-6511 | ADeSoto@jeffparish.net)

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

**Joey Tureau**, Director of Transportation, Ascension Parish  
(225-450-1013 | jtureau@apgov.us)

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

Signature:



Print Name:

Chad M. Poché, P.E.

Title:

Vice President

Date:

March 28, 2022

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

**Name:**

Gulf South Engineering and Testing, Inc.

**Public Address:**

Mr. Chad Poche, PE 15 Veterans Memorial Boulevard  
Kenner, Louisiana 70062

**License/Certificate Information w/ Supervision**

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0004626	Active	07/27/2010	03/31/2023	Mr. Chad Mitchell Poche # PE.0027667 - Active



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

**Mr. Chad Mitchell Poche**

License/Certificate Type - Number	Expiration Date
<b>PE.0027667</b>	<b>09/30/2022</b>
<b>Status: Active</b>	



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Baton Rouge, LA 70809  
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www.lapels.com

**Mr. Blake Elliot Vutera**

License/Certificate Type - Number	Expiration Date
<b>PE.0038607</b>	<b>09/30/2022</b>
<b>Status: Active</b>	



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Baton Rouge, LA 70809  
Phone (225) 925-6291  
www.lapels.com

**Ms. Sara Elinor Lockwood**

License/Certificate Type - Number	Expiration Date
<b>EI.0034718</b>	<b>03/31/2023</b>
<b>Status: Active</b>	



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

**Mr. Ralph P. Fontcuberta Jr.**

License/Certificate Type - Number	Expiration Date
<b>PLS.0004329</b>	<b>09/30/2022</b>
<b>Status: Active</b>	



**DIVISION OF SMALL BUSINESS SERVICES**

This certification acknowledges that

**Gulf South Engineering and Testing, Inc.**

is Certified-Active as a Small Entrepreneurship with Louisiana Economic Development's Hudson Initiative.

This certification is valid from 2/25/2022 to 2/25/2023 .

Certification No. 11011

A handwritten signature in black ink, reading "Stephanie Hartman", is written over a horizontal line.

**Stephanie Hartman,  
Director, Entrepreneurial Services**





Regional Transit Authority

July 1, 2021

Cassandra Poche  
Gulf South Engineering and Testing Inc  
15 Veterans Memorial Blvd  
Kenner, LA 70062

Dear Ms. Poche:

We are pleased to inform you that your firm has been certified as a Small Business Enterprise (SBE).

Your firm remains certified in the SBE Program until there are any changes to your company or to your personal net worth that exceed the SBE eligibility criteria. Please note that you must notify our office immediately regarding any changes which affect the economic disadvantage, size, ownership or control of your firm.

In order to maintain eligibility, you are required to submit an annual affidavit stating that your firm continues to meet the eligibility requirements of the program. If you are both DBE and SBE certified, you will receive a Disadvantaged Business Enterprise Annual Affidavit approximately 4 weeks prior to your DBE Certification anniversary date. The annual affidavit for the DBE program will automatically apply to your SBE certification. If you are SBE certified only, you will receive a Small Business Enterprise Annual Affidavit approximately 4 weeks prior to your SBE Certification anniversary date.

We reserve the right to withdraw this certification if at any time it is determined that SBE certification knowingly obtained by the submission of false, misleading, or incorrect information. We further reserve the right to request additional information and/or conduct an on-site visit at any time during your certification period.

If we can be of further assistance, please contact the Office of Small Business Development at (504) 827-8301.

Sincerely,

A handwritten signature in blue ink, appearing to read "Adonis C. Expose".

Adonis C. Expose  
DBE/SBE Liaison Officer III

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2817 Canal Street | New Orleans, Louisiana 70119 | 504-827-8300 | [www.RTAforward.org](http://www.RTAforward.org)



**GULF SOUTH**

ENGINEERING AND TESTING, INC.  
Geotechnical & Materials Consultants



# CERTIFICATE OF ACCREDITATION



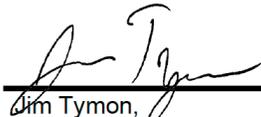
## Gulf South Engineering and Testing, Inc.

in

### Kenner, 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](http://aashtoresource.org)).

  
Jim Tymon,  
AASHTO Executive Director

  
Moe Jamshidi,  
AASHTO COMP Chair

This certificate was generated on 08/17/2021 at 7:12 PM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](http://aashtoresource.org/aap/accreditation-directory)



USACE CERTIFICATE  
OF  
LABORATORY VALIDATION



**Gulf South Engineering and Testing**

15 Veterans Memorial Blvd  
Kenner, LA, United States  
Trey Binder  
(504) 305-4401

has demonstrated, by abbreviated audit of its AASHTO accreditation, or by inspection of required records, equipment, procedures, facilities, and/or final reports, its proficiency to perform testing of construction materials, as established by the quality standards of AASHTO R 18 guidance and the requirements of the applicable ASTM standards.

**THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF GENERATION:**

**02 JUN 2020 AT 18:10 HOURS**

**ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 06/02/2022**

PLEASE CONFIRM THE CURRENT VALIDATION STATUS OF THIS LABORATORY USING THE SEARCH FEATURE ON OUR PUBLIC WEBSITE: <https://mtc.erdcdren.mil>

Chad A. Gartrell, PE, Director  
USACE Materials Testing Center  
Vicksburg, Mississippi, USA

**SOILS**

- Soils - D 698 - Req - Compaction Characteristics by Standard Effort
- Soils - D 1140 - Req - Material Finer than 75  $\mu$ m (No. 200) Sieve
- Soils - D 1557 - Req - Compaction Characteristics by Modified Effort
- Soils - D 2216 - Req - Water Content
- Soils - D 2974 - Req - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils
- Soils - D 4318 - Req - Liquid & Plastic Limits & Plasticity Index
- Soils - D 4643 - Req - Determination of Water Content of Soil by Microwave Oven



**GULF SOUTH**

ENGINEERING AND TESTING, INC.  
Geotechnical & Materials Consultants