Statement of Work
Geotechnical Laboratory Testing
March 6 2026

Contract Description

This commercial services Blanket Purchase Agreement (BPA) is to provide geotechnical laboratory testing services for the U.S. Army Corps of Engineers (USACE), Savannah District, Engineering Division, Geotechnical and HTRW Branch. The period of performance for this contract includes a one year base period and four option years.

Background

This acquisition will support USACE Savannah District's Geotechnical and HTRW Branch by providing geotechnical laboratory services. This organization coordinates geotechnical lab services for samples collected by USACE drill crews for customers within the contiguous United States. The laboratory selected for this contract (Contract Laboratory) will perform testing of soil, rock, and aggregate materials for USACE projects across all mission areas.

Description of Services

The Contract Laboratory shall provide technically valid and legally defensible testing data that will meet the requirements of Engineering Manual (EM) 1110-2-1906, Engineering and Design Laboratory Soils Testing (latest version dated 20 August 1986) as well as current specified American Standard Testing Method (ASTM) standards. All testing shall be performed by qualified personnel in a laboratory accredited with current USACE Materials Testing Center (MTC) validation through the Engineering Research and Development Center (ERDC). The only exceptions are the Sulfate content and Chloride content tests listed in Table 1. An MTC validation certificate is not required if this test is performed by EPA 9056A methodology.

No special safety requirements above those necessary for a testing laboratory are required. No security clearances are required to perform this work.

Contract Laboratory Responsibilities and Qualifications

The Contract Laboratory will perform and/or manage the testing for this contract. The Contract Laboratory shall provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and non-personal commercial services necessary to perform the laboratory testing services described in this statement of work.

MTC Validation: The Contract Laboratory and all subcontracted or alternate laboratories must be inspected and validated by the Materials Testing Center (MTC) of the USACE Engineer Research and Development Center (ERDC). The prospective Contract Laboratory shall possess and include with their proposal a current memorandum of validation from MTC for their approved testing services. The prospective bidders are advised that the validation process is a cost that will not be reimbursed as a separate charge. The Contract Laboratory is required to maintain a current MTC validation throughout the term of the contract. If the prospective Contract Laboratory will subcontract or reassign testing to another laboratory, the same MTC validation requirements shall

also apply to the subcontracted/alternate laboratories. The prospective Contract Laboratory shall provide, with their proposal, a current MTC validation memorandum for each subcontracted or alternate laboratory they intend to use.

Information regarding the MTC, its organizational policies, and validation procedures is available at the following web link: https://mtc.erdc.dren.mil/index.aspx

Quality Management: Contract Laboratory management shall be responsible for actively supporting the implementation of the laboratory's Quality Management Plan within the laboratory, maintaining accurate standard operating procedures and enforcing their use in the laboratory, maintaining a work environment that emphasizes the importance of data quality, and providing appropriate management support. Laboratory management shall also designate the primary contact for the receipt of delivery orders for this contract.

The Contract Laboratory must have an organization with well-defined responsibilities for each individual in the management system to ensure that sufficient resources are available for this contract and to maintain a successful operation. The MTC requires laboratories to have a minimum of two technicians on staff that have current American Concrete Institute (ACI) certifications for all tests with associated ACI certifications that will be performed as part of this contract, which includes ASTM D4318, D2216, D698, and D1557. Copies of current ACI certifications for at least two technicians performing work under this contract must be kept with the COR. The Government will periodically verify that the Contract Laboratory has current certifications for at least two technicians.

Facility: The Contract Laboratory shall have a primary laboratory facility located within a 50-mile radius of the USACE Savannah District Headquarters, 100 W. Oglethorpe Avenue, Savannah, GA 31401 and/or The Savannah District Materials Testing Regional Technical Center of Expertise, 200 Cobb Parkway North, Bldg. 400, Suite 404, Marietta, GA 30062. The Contract Laboratory shall provide reasonable accommodations at their primary laboratory facility for USACE personnel to visit and view samples.

Testing: The Contract Laboratory shall perform the primary tests listed in Table 1 of this SOW at their primary laboratory facility. The Contract Laboratory shall either perform the secondary tests listed in Table 2 at their primary laboratory facility, an alternate facility within the same organization, or subcontract these tests to another laboratory. Exceptions may be granted with written authorization from the COR to allow primary testing to be subcontracted to another laboratory in the event secondary testing will be performed on the same sample.

If the Contract Laboratory plans to use an alternate facility or subcontract testing, they shall submit with their proposal a list of MTC validated laboratories they will use. Subcontracted/alternate laboratories must be approved by the Government. The Contract Laboratory may only subcontract or reassign testing to the approved laboratories provided with their proposal. The Contract Laboratory shall not subcontract or reassign more than 50% of the contract capacity from the primary facility. Shipping and handling costs associated with using another laboratory shall be factored into the unit price of the secondary tests listed in Table 2.

In the event a test requires modification from the prescribed ASTM methodology and will result in additional cost to the Contract Laboratory, a new unit price for the test shall be negotiated before call order award. Modifications to tests and price negotiations will be on a call order basis.

The testing quantities will be defined in the individual call order. Call orders may include quantities for multiple projects, the contractor will track each project separately. Sample quantities and testing requirements may change due to numerous factors, including field conditions, retrieved sample quantities, sample disturbance, project scope adjustments, etc. The Government will estimate the type and quantity of tests for individual call orders and reserves the right to adjust the call order scope after sample delivery. Adjustments to individual call orders shall not exceed the call order award amount unless modified by the Contracting Officer. The Government may assign a testing program for individual call orders that is less than the call order award amount.

Storage: The Contract Laboratory shall retain USACE Savannah District owned project samples for a period of 6 months after completion of testing. Samples may be discarded after this period. The Contract Laboratory shall appropriately label, seal, and store all Savannah District owned samples in a manner that limits degradation of the samples. The Contract Laboratory shall contact the project technical lead and COR at least 7 days prior to discarding samples. The USACE technical lead or COR will arrange for retrieval of samples if they must be kept for a period longer than 6 months.

Submittals: For each project, a final, signed report of testing results is required to be delivered to the COR. The Contract Laboratory will be given 30 days from the sample delivery and lab testing assignment to complete testing and submit a Final Testing Report. Variations to the schedule may be negotiated on an individual project basis if the Contract Laboratory is unable to meet the schedule.

The Final Testing Report shall be submitted electronically in pdf format to the USACE technical lead. At least 90% of testing reports shall contain no errors. The Final Testing Report shall contain, at a minimum, the following:

a. Submittal letter with Contract Laboratory supervisor/manager signature.
b. Summary tables of individual test results and testing methods used.
c. Summary graphical representation of index soil testing.
d. Graphical representation of all strength, consolidation, swell, expansion, CBR, and laboratory compaction tests.
e. Presentations required by individual testing methods designated and as presented in their respective ASTM standards.
f. Provide all soil testing data utilizing USACE Bentley OpenGround Cloud configured for each project on the USACE Contractor Cloud. USACE will provide necessary permissions to Contractors entering data.

The final submittal shall also include an Excel file with a summary table of individual test results.

Government Organization and Responsibilities

Contracting Officer (KO): The KO will be responsible for the overall contract. This individual or their designee will provide selected review of all activities and procedures and provide senior technical oversight throughout the duration of this contract.

Engineering Division Contracting Officer's Representative (COR): The COR will be the main contact for the Contract Laboratory. This individual, or their designee, will be responsible for the daily management and execution of this contract. The COR will be responsible for quality assurance auditing and monitoring. This individual will have access to all work and will identify potential quality problems; initiate, investigate, recommend, or provide solutions to quality problems through designated channels; verify implementation of solutions; and ensure that further processing or action is controlled until proper disposition of unsatisfactory conditions has occurred.

Quality Assurance: The Government shall evaluate the Laboratory Contractor's performance under this contract in accordance with the Quality Assurance Surveillance Plan (QASP). This plan is primarily focused on what the Government must do to ensure that the Laboratory Contractor has performed in accordance with the performance standards. It defines how the performance standards will be applied, the frequency of surveillance, and the minimum acceptable defect rates.

The Government will conduct frequent reviews of test reports and random inspections of the laboratory facility, personnel, and equipment. As part of quality assurance, split samples may be obtained on a random basis and tested by another laboratory.

Sample Delivery: Samples shall be delivered to the Contract Laboratory's primary laboratory facility by a USACE employee or authorized contract drilling agency. USACE will deliver samples when the Contract Laboratory has received a fully executed call order. The Contract Laboratory shall begin testing after receipt of a call order from the KO.

Table 1 Analyte List
FY26 Geotech Laboratory Services

METHOD	DESCRIPTION
ASTM D422	Sieve Analysis with hydrometer
ASTM D422 or D6913	Sieve Analysis without hydrometer - (6-7 sieve set)
ASTM D6913	Sieve Analysis (10-14 sieves)
ASTM D1140	Wash No. 200 for Soil
Visual	Percent Shell Determination
ASTM D4318	Atterberg Limits One Point (Wet Preparation Method Only)
ASTM D4318	Atterberg Limits Multi Point (Wet Preparation Method Only)
ASTM D4318	Atterberg Limits Multi Point (sample already processed wet over No. 40 sieve)
ASTM D2974 Method **A**	Organic Content
ASTM D2216	Water Content
ASTM D854	Specific Gravity
ASTM D2487	Classification of Soil
ASTM D2488	Visual Classification of Undisturbed Samples
ASTM D2488	Visual Classification of Jar Samples
ASTM D4643	Water Content by Microwave Oven
ASTM D4373	Carbonate Content
ASTM D4972	pH Determination
EPA 9056A	Sulfates content
EPA 9056A	Chlorides content
ASTM G187	Electrical Resistivity
ASTM D698 Method A	Standard Proctor Method A
ASTM D698 Method B & C	Standard Proctor Method B & C
ASTM D1557 Method A	Modified Proctor Method A
ASTM D1557 Method B & C	Modified Proctor Method B&C
ASTM C127	Specific Gravity of Plus No. 4
ASTM D1883	CBR Single Point at Specified %Compaction & Moisture
ASTM D2434	Permeability Constant Head - (granular)
ASTM D5084	Permeability Falling Head Rising Tail - (fine)
ASTM D2166 (soil)	Unconfined Compression clayey materials
ASTM D2166 (soil)	Unconfined Compression indurated clays, lithified materials
ASTM D7263 Method B	Density in Shelby Tube
ASTM D2850 (single points)	UU Triaxial - (single points)
ASTM D4767	CU Triaxial - (single points)

METHOD	DESCRIPTION
ASTM D2435	Consolidation 10 loads, 8 curves
ASTM D2435	Consolidation Additional Loading
ASTM D4221	Dispersive Clay Double Hydrometer
ASTM D4647	Dispersive Clay Pinhole Dispersion
ASTM D3080	Direct Shear of soil (single point)
ASTM D3080	Residual Shear of soil (single point) repetitive shear