



STATE OF TENNESSEE
TENNESSEE DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL ENGINEERING SECTION
6601 CENTENNIAL BOULEVARD
NASHVILLE, TENNESSEE 37243-0360

October 5, 2023

Interested geotechnical laboratory firms are invited to provide a quotation and requested information for a four-year contract beginning on or about January 6, 2024, to conduct laboratory testing of soil and/or rock samples for the Tennessee Department of Transportation (TDOT). A total of three (3) separate contracts will be awarded, one in the greater Knoxville area (within 100 miles of the Region 1 TDOT Facility) and two in the greater Nashville area (within 100 miles of the Region 3 TDOT Facility). The initial contract amount shall be set at \$85,000; the contracts may be amended to increase the contract ceiling, but in no event shall the maximum contract amount exceed \$150,000. The laboratory testing will supplement testing performed by the TDOT Central Laboratory for projects where TDOT is completing the field investigation and the Geotechnical Report. The testing laboratory will be required to pick up samples to be tested from the applicable TDOT Regional Facility. The testing is expected to be completed promptly upon notification by TDOT, as provided in each work order.

Item#1: Laboratory testing of soil and/or rock samples, greater Nashville area location. Laboratory must be located within a 100 mile radius of TDOT's Region 3 Facility at 6601 Centennial Boulevard, Nashville, Tennessee. A total of two (2) contracts will be awarded.

Item#2: Laboratory testing of soil and/or rock samples, greater Knoxville area location. Laboratory must be located within a 100 mile radius of TDOT's Region 1 Facility at 7435 Region Lane, Knoxville Tennessee. A total of one (1) contract will be awarded.

Contracts will be awarded to the eligible laboratories submitting the lowest total evaluation cost amount based on summation of the products of each test item price quotation and the price evaluation factor for each test item. To be considered eligible for award of a contract, the following information will be required and the identified minimum criteria must be met:

- Submit brief resumes/biographies of main personnel expected to participate in the testing and quality control processes. Laboratory operations shall be managed/overseen by a person with a minimum of five (5) years of testing experience in a geotechnical laboratory setting.
- List all current AASHTO re:source accreditations and/or ASTM equivalent for all soil, rock and aggregate laboratory tests to be performed as listed below. Indicate any testing that will be subcontracted or completed by other laboratories and provide the accreditations for the tests to be performed by other laboratories. For a list of potential laboratory tests to be performed please see attached quotation sheet. At a minimum, AASHTO re:source accreditations in the following tests shall be required:
 - o AASHTO T88/ ASTM D-422, D-7928- Particle Size Analysis by Hydrometer;
 - o AASHTO T89, T90/ ASTM D-4318 – Atterberg Limits;
 - o AASHTO T99/ ASTM D-698– Standard Proctor Test;
 - o AASHTO T193/ ASTM D-1883 – California Bearing Ratio (CBR);
 - o AASHTO T208/ ASTM D-2166 – Unconfined Compressive Strength of Soil; and
 - o AASHTO T265/ ASTM D-2216– Natural Moisture Content.
- Submit past AASHTO proficiency sample scores for the last three (3) years and corrective action reports.
- Identify business address of laboratory.

Please provide this information and a completed Price Evaluation Form to Mr. Travis Smith at TDOT.Geotech@tn.gov by or before 1:00 p.m. CDT (2:00 EDT) on October 26, 2023. Once the information is received and evaluated, firms will be contacted regarding the selected laboratories.

AASHTO	ASTM	Item/Test Name
M145	D-3282	AASHTO Classification
--	--	Remolding Samples
--	--	Sample Pick Up
T100	D-854	Specific Gravity of Soils
T193	D-1883	California Bearing Ratio (CBR) - 3 point**
--	D-7012	Compressive Strength of Rock Core Specimens (Method C)
T208	D-2166	Unconfined Compressive Strength - Soil**
T216	D-2435	One Dimensional Consolidation
T236	D-3080	Direct Shear Test of Soils (Consolidated Drained)
T265	D-2216	Natural Moisture Content**
	--	Soil Resistivity
T289	D-4972	Soil pH
T296	D-4767	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils (CU - 3 points)
T297	D-2850	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression (UU)
T88	D-422/D-7928	Particle Size Analysis by Hydrometer**
T89/T90	D-4318	Atterberg Limits**
T99	D-698	Standard Proctor Density Test**
--	--	Shrink/Swell of Soils

** AASHTO re:source accreditation required

PRICE EVALUATION FORM

RESPONDENT SIGNATURE: _____

PRINTED NAME & TITLE: _____

DATE: _____

RESPONDENT LEGAL ENTITY NAME: _____

Unit Item Description		Proposed Cost (per Unit)*				State Use ONLY			
Test Method Standard	Test Method Name		Year 1 (Effective Date - Dec. 2024)	Year 2 (Jan. 2025 - Dec. 2026)	Year 3 (Jan. 2026 - Dec. 2027)	Year 1 (Jan. 2027 - End of Contract)	Average	Evaluation Factor	Evaluation Cost (average X factor)
AASHTO	ASTM								
M145	D-3282	AASHTO Classification						8.77	\$ -
--	--	Remolding Samples						0.26	\$ -
--	--	Sample Pick Up						0.46	\$ -
T100	D-854	Specific Gravity of Soils						0.43	\$ -
T193	D-1883	California Bearing Ratio (CBR) - 3 point						0.20	\$ -
--	D-7012	Compressive Strength of Rock Core Specimens (Method C)						0.24	\$ -
T208	D-2166	Unconfined Compressive Strength - Soil						0.63	\$ -
T216	D-2435	One Dimensional Consolidation						0.10	\$ -
T236	D-3080	Direct Shear Test of Soils (Consolidated Drained)						0.10	\$ -
T265	D-2216	Natural Moisture Content						6.43	\$ -
--	--	Soil Resistivity						0.72	\$ -
T289	D-4972	Soil pH						1.69	\$ -
T296	D-4767	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils - (CU - 3 points)						0.10	\$ -
T297	D-2850	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression - (UU)						0.12	\$ -

PRICE EVALUATION FORM

RESPONDENT SIGNATURE: _____

PRINTED NAME & TITLE: _____

DATE: _____

RESPONDENT LEGAL ENTITY NAME: _____

Unit Item Description			Proposed Cost (per Unit)*				State Use ONLY		
Test Method Standard		Test Method Name	Year 1 (Effective Date - Dec. 2024)	Year 2 (Jan. 2025 - Dec. 2026)	Year 3 (Jan. 2026 - Dec. 2027)	Year 1 (Jan. 2027 - End of Contract)	Average	Evaluation Factor	Evaluation Cost (average X factor)
AASHTO	ASTM		Average	Evaluation Factor	Evaluation Cost (average X factor)				
T88	D-422/ D-7928	Particle Size Analysis by Hydrometer					0.44	\$ -	
T89/T90	D-4318	Atterberg Limits					0.70	\$ -	
T99	D-698	Standard Proctor Density Test					0.32	\$ -	
--	D-4943/ D- 4565	Shrink/Swell of Soil					0.34	\$ -	
TOTAL EVALUATION COST AMOUNT (sum of evaluation costs above):								\$	-
Numbers rounded to two (2) places to the right of the decimal point will be standard for calculations.								\$	-
* The "proposed cost" shall be the price for "EACH" test completed in accordance with the applicable AASHTO/ASTM test method									