SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

GEOTECH ENGINEERING AND TESTING, INC.
17407 Highway 59 North
Humble, TX 77396
Andrie Fruel, P.E. Phone: 713 699 4000

Valid To: December 31, 2021 Certificate Number: 0075.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory for:

CONSTRUCTION MATERIALS ENGINEERING

ASTM: C1077 (Standard Practice for Agencies Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Testing Agency Evaluation);
D3666 (Standard Specification for Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials);
D3740 (Standard Practice for Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction);
E329 (Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection)

CONSTRUCTION MATERIALS TESTING

Test Method:	**Test Description:**
Aggregates:	
ASTM C29	Bulk Density ("Unit Weight") and Voids in Aggregate
ASTM C117	Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C127	Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate
ASTM C128	Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate
ASTM C136	Sieve Analysis of Fine and Coarse Aggregates
ASTM C142	Clay Lumps and Friable Particles in Aggregates
ASTM C566	Total Evaporable Moisture Content of Aggregate by Drying
ASTM C702	Reducing Samples of Aggregate to Testing Size
ASTM D75[1]	Sampling Aggregates
Tex-200-F	Sieve Analysis of Fine and Coarse Aggregates
Tex-400-A[1]	Sampling Flexible Base, Stone, Gravel, Sand, and Mineral Aggregate
Tex-401-A	Sieve Analysis of Fine and Coarse Aggregate
Tex-402-A	Fineness Modulus of Fine Aggregate
Tex-403-A	Saturated Surface-Dry Specific Gravity and Absorption of Aggregates
Tex-404-A	Determining Unit Mass (Weight) of Aggregates
Tex-405-A	Determining the Percent of Solids and Voids in Concrete Aggregate

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Test Method:	Test Description:
Tex-406-A	Material Finer Than 75 µm (No. 200) Sieve in Mineral Aggregates (Decantation Test for Concrete Aggregates)
Tex-408-A	Organic Impurities in Fine Aggregate for Concrete
Tex-409-A	Free Moisture and Water Absorption in Aggregate for Concrete
Tex-429-A	Determining the Percent Solids in Lightweight Coarse Aggregate
Tex-433-A	Absorption and Dry Bulk Specific Gravity of Lightweight Coarse Aggregate
Bituminous:	
ASTM D979[1]	Sampling Bituminous Paving Mixtures
ASTM D2041	Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures
ASTM D2726	Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures
ASTM D2950[1]	Density of Bituminous Concrete in Place by Nuclear Methods
ASTM D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens
ASTM D6307	Asphalt Content of Hot-Mix Asphalt by Ignition Method
Tex-201-F	Bulk Specific Gravity and Water Absorption of Aggregate
Tex-202-F	Apparent Specific Gravity of Material Finer Than No.50 Sieve
Tex-206-F	Compacting Specimens Using the Texas Gyratory Compactor (TGC)
Tex-207-F	Determining Density of Compacted Bituminous Mixtures
Tex-208-F	Test for Stabilometer Value of Bituminous Mixtures
Tex-217-F	Determining Deleterious Material and Decantation Test for Coarse Aggregates
Tex-222-F	Sampling Bituminous Mixtures
Tex-227-F	Theoretical Maximum Specific Gravity of Bituminous Mixtures
Tex-236-F	Determining Asphalt Content from Asphalt Paving Mixtures by the Ignition Method
Concrete:	
ASTM C31/C31M[1]	Making and Curing Concrete Test Specimens in the Field
ASTM C39/C39M	Compressive Strength of Cylindrical Concrete Specimens
ASTM C42/C42M	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete
ASTM C78/C78M[1]	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)
ASTM C138/C138M[1]	Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
ASTM C143/C143M[1]	Slump of Hydraulic-Cement Concrete
ASTM C172/C172M[1]	Sampling Freshly Mixed Concrete
ASTM C173[1]	Air Content of Freshly Mixed Concrete by the Volumetric Method
ASTM C174/C174M	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores
ASTM C192/C192M	Making and Curing Concrete Test Specimens in the Laboratory
ASTM C231/C231M[1]	Air Content of Freshly Mixed Concrete by the Pressure Method
ASTM C617	Capping Cylindrical Concrete Specimens
ASTM C1064/C1064M[1]	Temperature of Freshly Mixed Hydraulic-Cement Concrete
ASTM C1231/C1231M	Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders

Test Method:	Test Description:
Tex-407-A[1]	Sampling Freshly Mixed Concrete
Tex-414-A[1]	Air Content of Freshly Mixed Concrete by the Volumetric Method
Tex-417-A[1]	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
Tex-418-A	Compressive Strength of Cylindrical Concrete Specimens
Tex-424-A	Obtaining and Testing Drilled Cores of Concrete
Masonry:	
ASTM C780[1] (Annex A6)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry
ASTM C1019	Sampling and Testing Grout
Soils:	
ASTM D421(Withdrawn 2016)[2]	Dry Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants
ASTM D422 (Withdrawn 2016)[2]	Particle-Size Analysis of Soils
ASTM D558	Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures
ASTM D698	Laboratory Compaction Characteristics of Soil Using Standard Effort
ASTM D854	Specific Gravity of Soil Solids by Water Pycnometer
ASTM D1140	Amount of Material in Soils Finer than No. 200 (75-µm) Sieve
ASTM D1556[1]	Density and Unit Weight of Soil in Place by Sand-Cone Method
ASTM D1557	Laboratory Compaction Characteristics of Soil Using Modified Effort
ASTM D1632 (Curing only)	Making and Curing Soil-Cement Compression and Flexure Test Specimens in the Laboratory
ASTM D1633 (Method A)	Compressive Strength of Molded Soil-Cement Cylinders
ASTM D1883	CBR (California Bearing Ratio) of Laboratory-Compacted Soils
ASTM D2166	Unconfined Compressive Strength of Cohesive Soil
ASTM D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)
ASTM D2488[1]	Description and Identification of Soils (Visual-Manual Procedure)
ASTM D2850	Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils
ASTM D4318	Liquid Limit, Plastic Limit, and Plasticity Index of Soils
ASTM D4643	Determination of Water (Moisture) Content of Soil by Microwave Oven Heating
ASTM D4647	Identification and Classification of Dispersive Clay Soils by the Pinhole Test
ASTM D6938[1]	In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)
Tex-100-E	Surveying and Sampling Soils for Highways
Tex-101-E	Preparing Soil and Flexible Base Materials for Testing
Tex-102-E	Determining Slaking Time
Tex-103-E	Determining Moisture Content in Soil Materials
Tex-104-E	Determining Liquid Limits of Soils
Tex-105-E	Determining Plastic Limit of Soils
Tex-106-E	Calculating the Plasticity Index of Soils
Tex-108-E	Determining the Specific Gravity of Soils
Tex-110-E	Particle Size Analysis of Soils
Tex-111-E	Determining the Amount of Material in Soils Finer than the 75 m

Test Method:	Test Description:
	(No. 200) Sieve
Tex-112-E	Admixing Lime to Reduce Plasticity Index of Soils
Tex-113-E	Laboratory Compaction Characteristics and Moisture-Density Relationship of Base Materials
Tex-114-E	Laboratory Compaction Characteristics and Moisture-Density Relationship of Subgrade, Embankment Soils, and Backfill Material

[1] This laboratory meets A2LA *R104 – General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these tests.

[2] NOTE: This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.

Accredited Laboratory

A2LA has accredited

GEOTECH ENGINEERING & TESTING, INC.

Humble, TX

for technical competence in the field of

Construction Materials Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 27th day of January 2020.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0075.01
Valid to December 31, 2021

For the tests to which this accreditation applies, please refer to the laboratory's Construction Materials Scope of Accreditation.