



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ALL-TERRA ENGINEERING, INC.
6200 Rothway St.
Houston, TX 77040
Haddis Tewolde, P.E. Phone: 713 574 2371

Valid To: July 31, 2019

Certificate Number: 2852.01

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); (Concrete Only)
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

<u>Test Method:</u>	<u>Test Description:</u>
Bituminous:	
ASTM C702	Reducing Samples of Aggregates to Testing Size
ASTM D75 ¹	Standard Practice for Sampling Aggregates
ASTM D979 ¹	Sampling Bituminous Paving 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 D3665	Random Sampling of Construction Materials
ASTM D5361 ¹	Sampling Compacted Bituminous Mixtures for Laboratory Testing
Tex-200-F	Sieve Analysis of Fine and Coarse Aggregates
Tex-221-F	Sampling Aggregate for Bituminous Mixtures, Surface Treatments, and Limestone Rock Asphalt
Tex-222-F ¹	Sampling Bituminous Mixtures
Tex-225-F	Random Selection of Bituminous Mixture Samples
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 ¹	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete

Test Method:	Test Description:
Concrete: (continued)	
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 C173/173M 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 C617/617M	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
Masonry:	
ASTM C780 Annex 6	Standard Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry
Soils:	
ASTM D421 (Withdrawn) ²	Dry Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants
ASTM D422 (Withdrawn) 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- μ m) Sieve
ASTM D1557	Laboratory Compaction Characteristics of Soil Using Modified Effort
ASTM D1633 ³	Compressive Strength of Molded Soil-Cement Cylinders
ASTM D2216	Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
ASTM D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)
ASTM D2488	Description and Identification of Soils (Visual-Manual Procedure)
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 D4718	Correction of Unit Weight and Water Content for Soils Containing Oversize Particles
ASTM D6938 ¹	In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)

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

² 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

ALL-TERRA ENGINEERING, INC.

Houston, TX

for technical competence in the field of

Construction Materials Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 8 January 2009).



Presented this 22nd day of August 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2852.01
Valid to July 31, 2019

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