



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

HVJ ASSOCIATES, INC.
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Valid To: May 31, 2017

Certificate Number: 0066.01

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

<u>Test Method:</u>	<u>Test Description:</u>
Aggregates:	
ASTM C29	Bulk Density (“Unit Weight”) and Voids in Aggregate
ASTM C40	Organic Impurities in Fine Aggregates for Concrete
ASTM C88	Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
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 C131	Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
ASTM C136	Sieve Analysis of Fine and Coarse Aggregates
ASTM C566	Total Evaporable Moisture Content of Aggregate by Drying
ASTM C702	Reducing Samples of Aggregate to Testing Size
Tex-400-A	Sampling Flexible Base, Stone, Gravel, Sand, and Mineral Aggregates
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

<u>Test Method:</u>	<u>Test Description:</u>
Tex-406-A	Material Finer Than No. 200 Sieve in Mineral Aggregates (Decantation Test for Concrete Aggregates)
Tex-408-A	Organic Impurities in Fine Aggregate for Concrete
Tex-410-A	Abrasion of Coarse Aggregate using the Los Angeles Machine
<u>Bituminous:</u>	
ASTM D979 ¹	Sampling Bituminous Paving Mixtures
ASTM D1188	Bulk Specific Gravity and Density of Compacted Bituminous Mixtures using Coated Samples
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 ¹	Random Sampling of Construction Materials
ASTM D6307	Asphalt Content of Hot-Mix Asphalt by Ignition Method
Tex-200-F	Sieve Analysis of Fine and Coarse Aggregates
Tex-201-F	Bulk Specific Gravity and Water Absorption of Aggregate
Tex-203-F	Sand Equivalent Test
Tex-205-F	Laboratory Method of Mixing Bituminous Mixtures
Tex-206-F (Part III)	Compacting Specimens using the Texas Gyrotory Compactor (TGC)
Tex-207-F	Determining Density of Compacted Bituminous Mixtures
Tex-208-F (Part I)	Test for Stabilometer Value of Bituminous Mixtures
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
<u>Cement:</u>	
ASTM C109/C109M (Compression only)	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
Tex-300-D	Sampling Hydraulic Cement
<u>Concrete:</u>	
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 C293/C293M	Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading)
ASTM C495	Compressive Strength of Lightweight Insulating Concrete
ASTM C496/C496M	Splitting Tensile Strength of Cylindrical Concrete Specimens
ASTM C617	Capping Cylindrical Concrete Specimens
ASTM C805/C805M ¹	Rebound Number of Hardened Concrete

<u>Test Method:</u>	<u>Test Description:</u>
ASTM C939 ¹	Flow of Grout for Preplaced-Aggregate Concrete (Flow Cone Method)
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
ASTM E1155 ¹	Determining FF Floor Flatness and FL Floor Levelness Numbers
<u>Fireproofing:</u>	
ASTM D7091 ¹	Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals
ASTM E605 ¹	Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members (8.2 Measurement Method)
ASTM E736 ¹	Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members
<u>Lime:</u>	
Tex-600-J ¹	Sampling and Testing Lime (Part I - Slurry & Part III - Bulk Density)
<u>Masonry:</u>	
ASTM C1019	Sampling and Testing Grout
<u>Soils:</u>	
ASTM D421	Dry Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants
ASTM D422	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 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 D1633	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 D2216	Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
ASTM D2419	Sand Equivalent Value of Soils and Fine Aggregate
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 D3282	Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes
ASTM D3551	Preparation of Soil-Lime Mixtures Using Mechanical Mixer
ASTM D4318	Liquid Limit, Plastic Limit, and Plasticity Index of Soils
ASTM D4647	Identification and Classification of Dispersive Clay Soils by the Pinhole Test
ASTM D4718	Unit Weight and Water Content for Soils Containing Oversize Particles

<u>Test Method:</u>	<u>Test Description:</u>
ASTM D6938 ¹	In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)
Tex-120-E	Soil-Cement Testing

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



American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

HVJ ASSOCIATES, 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 13th day of May 2015.

A handwritten signature in black ink, reading "Peter Abney".

President & CEO
For the Accreditation Council
Certificate Number 0066.01
Valid to May 31, 2017



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