



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MATERIALS TESTING & CONSULTING, INC.
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Valid To: August 31, 2025

Certificate Number: 1366.02

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 and Concrete Aggregate];
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) [Testing of Concrete, Bituminous, Soil]
- AASHTO: R18 (Practice for Establishing and Implementing a Quality Management System for Construction Materials Testing Laboratories)

CONSTRUCTION MATERIALS TESTING

<u>Test Method:</u>	<u>Test Description:</u>
Aggregates:	
ASTM C29/C29M	Bulk Density (“Unit Weight”) and Voids in Aggregate
ASTM C117	Standard Test Method for Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C127	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Coarse Aggregate
ASTM C128	Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate
ASTM C136/C136M	Sieve Analysis of Fine and Coarse Aggregates
ASTM C566	Total Evaporable Moisture Content of Aggregate by Drying
ASTM C702/C702M	Reducing Samples of Aggregate to Testing Size
ASTM C1252	Uncompacted Void Content of Fine Aggregate (as Influenced by Particle Shape, Surface Texture, and Grading)
ASTM D75/D75M ¹	Sampling Aggregates
ASTM D2419	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate
ASTM D5821	Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate

<u>Test Method:</u>	<u>Test Description:</u>
<u>Bituminous:</u>	
ASTM D979/D979M ¹	Sampling Bituminous Paving Mixtures
ASTM D2041/D2041M	Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures
ASTM D2726/D2726M	Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures
ASTM D2950/D2950M ¹	Density of Bituminous Concrete in Place by Nuclear Methods
ASTM D3203/D3203M	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures
ASTM D3549/D3549M	Thickness or Height of Compacted Bituminous Paving Mixture Specimens
ASTM D5361/D5361M ¹	Sampling Compacted Bituminous Mixtures for Laboratory Testing
ASTM D5444	Mechanical Size Analysis of Extracted Aggregate
ASTM D6307	Asphalt Content of Hot-Mix Asphalt by Ignition Method
ASTM D6926	Preparation of Bituminous Specimens Using Marshall Apparatus
<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	Standard test method for 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/C173M ¹	Air Content of Freshly Mixed Concrete by the Volumetric Method
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/C617M	Capping Cylindrical Concrete Specimens
ASTM C805/C805M ¹	Rebound Number of Hardened Concrete
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 C1140	Standard Practice for Preparing and Testing Specimens from Shotcrete Test Panels
ASTM C1604	Standard Test Method for Obtaining and Testing Drilled Cores of Shotcrete
<u>Fireproofing:</u>	
ASTM E605/E605M ¹	Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members
ASTM E7361	Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members
<u>Masonry:</u>	
ASTM C1314	Compressive Strength of Masonry Prisms
ASTM C109	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50 mm] Cube Specimens)

<u>Test Method:</u>	<u>Test Description:</u>
<u>Soils:</u>	
ASTM D698	Laboratory Compaction Characteristics of Soil Using Standard Effort
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 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 ¹	Description and Identification of Soils (Visual-Manual Procedure)
ASTM D2974 Method A	Moisture, Ash, and Organic Matter of Peat and Other Organic Soils
ASTM D4318	Liquid Limit, Plastic Limit, and Plasticity Index of Soils
ASTM D4718/C4718M	Unit Weight and Water Content for Soils Containing Oversize Particles
ASTM D6913/C6913M	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis
ASTM D6938 ¹	In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)
ASTM D7928	Standard Test Method for Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis
<u>Steel (Shop & Field)¹:</u>	
AWS D1.1	Structural Welding Code – Steel (Clause 8, Inspection)
AWS D1.3	Structural Welding Code – Sheet Steel (Clause 8, Inspection)
AWS D1.4	Structural Welding Code – Reinforcing Steel (Clause 9, Inspection)
AWS D1.5	Bridge Welding Code (Clause 6, Inspection)
AWS D1.8	Structural Welding Code – Seismic Supplement (Clause 7, Inspection)
AISC 360	Specification for Structural Steel Buildings (Chapter N, QA/QC Fabrication & Erection)
RCSC	Specification for Structural Joints Using High Strength Bolts (Section 9, Inspection)

¹ This laboratory performs field testing activities for these tests.



Accredited Laboratory

A2LA has accredited

MATERIALS TESTING & CONSULTING, INC.

Olympia, WA

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 16th day of November 2023.



A blue ink signature of Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1366.02
Valid to August 31, 2025

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