AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AASHTO

Soil and Materials Engineers, Inc.

in

Kirtland, Ohio, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories (aashtoresource.org).

Jim Tymon,
AASHTO Executive Director

Matt Linneman,
AASHTO COMP Chair

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Scope of AASHTO Accreditation for:

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Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	03/16/2012
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	03/08/2016
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	03/16/2012
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	06/28/2018
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	03/16/2012
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	03/16/2012

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Asphalt Mixture

Standard:		Accredited Since:
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	03/16/2012
T30	Mechanical Analysis of Extracted Aggregate	03/16/2012
T164	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	03/16/2012
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/16/2012
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	03/16/2012
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	03/16/2012
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/16/2012
T355	Density of Bituminous Concrete In Place by Nuclear Methods	06/24/2024
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	03/16/2012
D2172	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	03/16/2012
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/16/2012
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	03/16/2012
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/16/2012
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	09/11/2020
D5444	Mechanical Analysis of Extracted Aggregate	03/16/2012
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	03/16/2012
D6927	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	03/16/2012

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	03/16/2012
T88	Particle Size Analysis of Soils by Hydrometer	03/16/2012
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	03/16/2012
T90	Plastic Limit of Soils (Atterberg Limits)	03/16/2012
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/16/2012
T100	Specific Gravity of Soils	03/16/2012
T134	Moisture-Density Relations of Soil-Cement Mixtures	03/16/2012
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	03/16/2012
T208	Unconfined Compressive Strength of Cohesive Soil	03/16/2012
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	03/16/2012
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	03/16/2012
T265	Laboratory Determination of Moisture Content of Soils	03/16/2012
T267	Determination of Organic Content in Soils by Loss on Ignition	03/16/2012
T288	Minimum Soil Resistivity	06/24/2024
T289	pH of Soils for Corrosion Testing	06/24/2024
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	03/16/2012
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	03/16/2012
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/16/2012
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	03/16/2012
D422	Particle Size Analysis of Soils by Hydrometer	03/16/2012
D558	Moisture-Density Relations of Soil-Cement Mixtures	03/16/2012
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/16/2012
D854	Specific Gravity of Soils	03/16/2012

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Soil (Continued)

Standard:	Accredited Since:
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	06/24/2024
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	03/16/2012
D2166 Unconfined Compressive Strength of Cohesive Soil	03/16/2012
D2216 Laboratory Determination of Moisture Content of Soils	03/16/2012
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	03/16/2012
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	10/29/2020
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	03/16/2012
D2974 Determination of Organic Content in Soils by Loss on Ignition	03/16/2012
D3080 Direct Shear Test of Soils Under Consolidated Drained Conditions	03/16/2012
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	03/16/2012
D4318 Plastic Limit of Soils (Atterberg Limits)	03/16/2012
D4767 Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	03/16/2012
D4972 pH Testing of Soils	06/24/2024
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	06/24/2024
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/16/2012
D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	06/24/2024

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Rock

Standard:		Accredited Since:
D4543	Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances	06/24/2024
D4644	Slake Durability of Shales and Weak Rocks	07/16/2013
D5731	Point Load Strength Index of Rock	07/16/2013
D7012 (Method C)	Compressive Strength of Rock Core Specimens (Method C)	06/24/2024

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Aggregate

Standard:		Accredited Since:
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	06/28/2018
T27	Sieve Analysis of Fine and Coarse Aggregates	06/28/2018
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	06/28/2018
T85	Specific Gravity and Absorption of Coarse Aggregate	06/28/2018
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	09/11/2020
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	10/29/2020
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	03/08/2016
C127	Specific Gravity and Absorption of Coarse Aggregate	03/08/2016
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	03/08/2016
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	09/11/2020
C136	Sieve Analysis of Fine and Coarse Aggregates	03/08/2016
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	09/11/2020
D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	10/29/2020

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Concrete

Standard:		Accredited Since:
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	03/16/2012
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	03/16/2012
C39	Compressive Strength of Cylindrical Concrete Specimens	03/16/2012
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	08/20/2025
C138	Density (Unit Weight), Yield, and Air Content of Concrete	03/16/2012
C143	Slump of Hydraulic Cement Concrete	03/16/2012
C172	Sampling Freshly Mixed Concrete	03/16/2012
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	03/16/2012
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	03/16/2012
C293	Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading)	03/16/2012
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/20/2012
C617 (9000 psi and below)	Capping Cylindrical Concrete Specimens	08/20/2025
C1064	Temperature of Freshly Mixed Portland Cement Concrete	03/16/2012
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	04/20/2012
C1542	Measuring Length of Concrete Cores	08/20/2025

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