AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AASHTO

S&ME, Inc.

in

Knoxville, Tennessee, 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:

S&ME, Inc.

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Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	06/01/1997
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	06/02/2022
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	06/02/2022
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	06/14/2012
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/02/2022
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/14/2012
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	09/09/2013

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Asphalt Mixture

Standard:		Accredited Since:
T166 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	09/30/2014
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/07/2009
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	05/07/2009
T275 (Cores)	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens (Cores)	04/05/2016
D1188 (Cores)	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens (Cores)	04/05/2016
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/07/2009
D2726 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	09/30/2014
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	09/09/2013
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	05/07/2009

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/01/1997
T88	Particle Size Analysis of Soils by Hydrometer	06/01/1997
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	06/01/1997
T90	Plastic Limit of Soils (Atterberg Limits)	06/01/1997
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/01/1997
T100	Specific Gravity of Soils	06/01/1997
T134	Moisture-Density Relations of Soil-Cement Mixtures	08/29/2011
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/01/1997
T191	Density of Soil In-Place by the Sand Cone Method	08/29/2011
T193	The California Bearing Ratio	06/01/1997
T208	Unconfined Compressive Strength of Cohesive Soil	06/01/1997
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	06/01/1997
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	06/01/1997
T265	Laboratory Determination of Moisture Content of Soils	06/01/1997
T267	Determination of Organic Content in Soils by Loss on Ignition	08/29/2011
T288	Minimum Soil Resistivity	09/09/2013
T289	pH of Soils for Corrosion Testing	09/09/2013
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	06/01/1997
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	06/01/1997
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	08/29/2011
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/01/1997
D422	Particle Size Analysis of Soils by Hydrometer	06/01/1997
D558	Moisture-Density Relations of Soil-Cement Mixtures	08/29/2011

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Soil (Continued)

Standard:	Accredited Since:
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/01/1997
D854 Specific Gravity of Soils	06/01/1997
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	06/01/1997
D1556 Density of Soil In-Place by the Sand Cone Method	08/29/2011
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/01/1997
D1883 The California Bearing Ratio	06/01/1997
D2166 Unconfined Compressive Strength of Cohesive Soil	06/01/1997
D2216 Laboratory Determination of Moisture Content of Soils	06/01/1997
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	06/01/1997
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	06/01/1997
D2488 Description and Identification of Soils (Visual-Manual Procedure)	04/05/2016
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	06/01/1997
D2937 Density of Soil in Place by the Drive-Cylinder Method	04/05/2016
D2974 Determination of Organic Content in Soils by Loss on Ignition	08/29/2011
D3080 Direct Shear Test of Soils Under Consolidated Drained Conditions	06/01/1997
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	06/01/1997
D4318 Plastic Limit of Soils (Atterberg Limits)	06/01/1997
D4546 One-Dimensional Swell or Settlement Potential of Cohesive Soils	09/09/2013
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	09/09/2013
D4718 Oversize Particle Correction	09/09/2013
D4767 Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	06/01/1997
D4972 pH Testing of Soils	09/09/2013
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	06/01/1997

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Soil (Continued)

Standard:	Accredited Since:
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	04/05/2016
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	08/29/2011
D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	03/29/2018
G57 Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	04/05/2016

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Rock

Standard:		Accredited Since:
D4543	Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances	03/29/2018
D4644	Slake Durability of Shales and Weak Rocks	03/29/2018
D7012 (Method C)	Compressive Strength of Rock Core Specimens (Method C)	04/29/2024
D7012 (Method D)	Compressive Strength of Rock Core Specimens (Method D)	08/23/2023

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Aggregate

Standard:		Accredited Since:
R90	Sampling Aggregate	08/23/2023
C29	Bulk Density (“Unit Weight”) and Voids in Aggregate	06/01/1997
C40	Organic Impurities in Fine Aggregates for Concrete	06/01/1997
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	06/01/1997
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	06/01/1997
C123	Lightweight Pieces in Aggregate	06/01/1997
C127	Specific Gravity and Absorption of Coarse Aggregate	06/01/1997
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	06/01/1997
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	06/01/1997
C136	Sieve Analysis of Fine and Coarse Aggregates	06/01/1997
C142	Clay Lumps and Friable Particles in Aggregate	06/01/1997
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	06/01/1997
C566	Total Moisture Content of Aggregate by Drying	06/01/1997
C702	Reducing Samples of Aggregate to Testing Size	06/01/1997
D75	Sampling Aggregate	08/23/2023
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	09/01/2017

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Sprayed Fire-Resistive Material

Standard:	Accredited Since:
E605 Thickness and Density of Sprayed Fire-Resistive Material(SFRM) Applied to Structural Members	09/09/2013
E736 Cohesion/Adhesion of Sprayed Fire-Resistive MaterialsApplied to Structural Members	09/09/2013

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Concrete

Standard:		Accredited Since:
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	06/01/1997
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	06/01/1997
C39	Compressive Strength of Cylindrical Concrete Specimens	06/01/1997
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	06/01/1997
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	06/01/1997
C138	Density (Unit Weight), Yield, and Air Content of Concrete	06/01/1997
C143	Slump of Hydraulic Cement Concrete	06/01/1997
C172	Sampling Freshly Mixed Concrete	06/01/1997
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	06/01/1997
C192	Making and Curing Concrete Test Specimens in the Laboratory	03/12/2012
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	06/01/1997
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	04/21/2023
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	03/12/2012
C617 (9000 psi and below)	Capping Cylindrical Concrete Specimens	04/21/2023
C1064	Temperature of Freshly Mixed Portland Cement Concrete	06/01/1997
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	03/12/2012
C1260	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	06/01/1997
C1542	Measuring Length of Concrete Cores	12/19/2014
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	03/12/2012