AASHTO ACCREDITED

Certificate of Accreditation

American Association of State Highway and Transportation Officials

AASHTO

Southern Earth Sciences, Inc.

in

New Orleans, Louisiana, 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	01/01/1994
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	06/30/2014
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	01/10/2011
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/14/2016
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	12/05/2014
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/23/2012

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Asphalt Mixture

Standard:		Accredited Since:
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	01/01/1994
D2726 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	06/09/2021
D5444	Mechanical Analysis of Extracted Aggregate	01/01/1994
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	01/01/1994

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Soil

Standard:	Accredited Since:
T100 Specific Gravity of Soils	06/09/2021
D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/01/1994
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/01/1994
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	01/01/1994
D1556 Density of Soil In-Place by the Sand Cone Method	01/01/1994
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/01/1994
D2216 Laboratory Determination of Moisture Content of Soils	01/01/1994
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	01/01/1994
D2974 Determination of Organic Content in Soils by Loss on Ignition	12/02/2011
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	01/01/1994
D4318 Plastic Limit of Soils (Atterberg Limits)	01/01/1994
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/01/1994

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	12/23/2019
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	12/23/2019
T19	Bulk Density (“Unit Weight”) and Voids in Aggregate	12/23/2019
T21	Organic Impurities in Fine Aggregates for Concrete	12/23/2019
T27	Sieve Analysis of Fine and Coarse Aggregates	12/23/2019
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	12/23/2019
T85	Specific Gravity and Absorption of Coarse Aggregate	12/23/2019
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	02/14/2023
T255	Total Moisture Content of Aggregate by Drying	12/23/2019
C29	Bulk Density (“Unit Weight”) and Voids in Aggregate	01/01/1994
C40	Organic Impurities in Fine Aggregates for Concrete	01/01/1994
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	07/28/2017
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	01/01/1994
C127	Specific Gravity and Absorption of Coarse Aggregate	01/01/1994
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/01/1994
C136	Sieve Analysis of Fine and Coarse Aggregates	01/01/1994
C566	Total Moisture Content of Aggregate by Drying	01/01/1994
C702	Reducing Samples of Aggregate to Testing Size	01/01/1994

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Concrete

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	12/23/2019
R39	Making and Curing Concrete Test Specimens in the Laboratory	12/23/2019
R60	Sampling Freshly Mixed Concrete	12/23/2019
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	12/23/2019
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	12/23/2019
T22	Compressive Strength of Cylindrical Concrete Specimens	12/23/2019
T24 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	12/23/2019
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	12/23/2019
T119	Slump of Hydraulic Cement Concrete	12/23/2019
T121	Density (Unit Weight), Yield, and Air Content of Concrete	12/23/2019
T148	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	12/23/2019
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	12/23/2019
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	12/23/2019
T198	Splitting Tensile Strength of Cylindrical Concrete Specimens	12/23/2019
T231 (6000 psi and below)	Capping Cylindrical Concrete Specimens	04/03/2026
T309	Temperature of Freshly Mixed Portland Cement Concrete	12/23/2019
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	01/01/1994
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	01/01/1994
C39	Compressive Strength of Cylindrical Concrete Specimens	01/01/1994
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	01/01/1994
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	01/01/1994
C138	Density (Unit Weight), Yield, and Air Content of Concrete	01/01/1994
C143	Slump of Hydraulic Cement Concrete	01/01/1994

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Concrete (Continued)

Standard:		Accredited Since:
C172	Sampling Freshly Mixed Concrete	01/01/1994
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	01/01/1994
C174	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	01/01/1994
C192	Making and Curing Concrete Test Specimens in the Laboratory	01/01/1994
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	01/01/1994
C496	Splitting Tensile Strength of Cylindrical Concrete Specimens	01/01/1994
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	01/22/2013
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	04/03/2026
C805	Rebound Number of Hardened Concrete	01/01/1994
C1064	Temperature of Freshly Mixed Portland Cement Concrete	01/01/1994
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	04/03/2026

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Masonry

Standard:	Accredited Since:
C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	01/22/2013
C1019 Sampling and Testing Grout	01/22/2013

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