AASHTO ACCREDITED

Certificate of Accreditation

American Association of State Highway and Transportation Officials

AASHTO

Soil Consultants, Inc.

in

Charleston, South Carolina, 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:

Soil Consultants, Inc.

in Charleston, South Carolina, USA

Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	07/15/1998
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	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	01/10/2011
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/03/2019
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/18/2018

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Asphalt Mixture

Standard:	Accredited Since:
T355 Density of Bituminous Concrete In Place by Nuclear Methods	10/22/2019
D2950 Density of Bituminous Concrete In Place by Nuclear Methods	06/04/2012

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	08/01/2001
R74	Wet Preparation of Disturbed Soil Samples for Test	08/01/2001
T88	Particle Size Analysis of Soils by Hydrometer	08/01/2001
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	08/01/2001
T90	Plastic Limit of Soils (Atterberg Limits)	08/01/2001
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	08/01/2001
T100	Specific Gravity of Soils	08/01/2001
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	08/01/2001
T191	Density of Soil In-Place by the Sand Cone Method	08/01/2001
T193	The California Bearing Ratio	08/01/2001
T208	Unconfined Compressive Strength of Cohesive Soil	08/01/2001
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	08/01/2001
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	08/01/2001
T265	Laboratory Determination of Moisture Content of Soils	08/01/2001
T267	Determination of Organic Content in Soils by Loss on Ignition	08/01/2001
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	08/01/2001
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	08/01/2001
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	08/01/2001
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	08/01/2001
D422	Particle Size Analysis of Soils by Hydrometer	08/01/2001
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	08/01/2001
D854	Specific Gravity of Soils	08/01/2001
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	08/01/2001

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Soil (Continued)

Standard:	Accredited Since:
D1556 Density of Soil In-Place by the Sand Cone Method	08/01/2001
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	08/01/2001
D1883 The California Bearing Ratio	08/01/2001
D2166 Unconfined Compressive Strength of Cohesive Soil	08/01/2001
D2216 Laboratory Determination of Moisture Content of Soils	08/01/2001
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	08/01/2001
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	08/01/2001
D2488 Description and Identification of Soils (Visual-Manual Procedure)	08/01/2001
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	08/01/2001
D2974 Determination of Organic Content in Soils by Loss on Ignition	06/04/2012
D3080 Direct Shear Test of Soils Under Consolidated Drained Conditions	08/01/2001
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	08/01/2001
D4318 Plastic Limit of Soils (Atterberg Limits)	08/01/2001
D4767 Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	08/01/2001
D4972 pH Testing of Soils	06/04/2012
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	08/01/2001
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	12/04/2017
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	08/01/2001
D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	10/22/2019
G187 Soil Resistivity Using the Two-Electrode Soil Box	01/18/2018

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	07/15/1998
R90	Sampling Aggregate	08/13/2013
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	07/15/1998
T19	Bulk Density (“Unit Weight”) and Voids in Aggregate	07/15/1998
T21	Organic Impurities in Fine Aggregates for Concrete	07/15/1998
T27	Sieve Analysis of Fine and Coarse Aggregates	07/15/1998
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	07/15/1998
T85	Specific Gravity and Absorption of Coarse Aggregate	07/15/1998
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	07/15/1998
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	07/15/1998
T112	Clay Lumps and Friable Particles in Aggregate	07/15/1998
T113	Lightweight Pieces in Aggregate	07/15/1998
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	07/15/1998
T255	Total Moisture Content of Aggregate by Drying	07/15/1998
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	06/04/2012
C29	Bulk Density (“Unit Weight”) and Voids in Aggregate	07/15/1998
C40	Organic Impurities in Fine Aggregates for Concrete	07/15/1998
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	07/15/1998
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	07/15/1998
C123	Lightweight Pieces in Aggregate	07/15/1998
C127	Specific Gravity and Absorption of Coarse Aggregate	07/15/1998
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	07/15/1998
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	07/15/1998

Scope of AASHTO Accreditation for:

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Aggregate (Continued)

Standard:		Accredited Since:
C136	Sieve Analysis of Fine and Coarse Aggregates	07/15/1998
C142	Clay Lumps and Friable Particles in Aggregate	07/15/1998
C566	Total Moisture Content of Aggregate by Drying	07/15/1998
C702	Reducing Samples of Aggregate to Testing Size	07/15/1998
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	06/04/2012
D75	Sampling Aggregate	08/13/2013
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	07/15/1998

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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	06/04/2012
E736 Cohesion/Adhesion of Sprayed Fire-Resistive MaterialsApplied to Structural Members	06/04/2012

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Iron and Steel

Standard:		Accredited Since:
M111	Zinc Coatings on Iron and Steel: Thickness of Zinc (Microscopy)	03/24/2023
M336	Welded Deformed Steel Wire: Bend Test	06/04/2012
M336	Welded Plain Steel Wire: Bend Test	06/04/2012
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	12/08/2015
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	12/08/2015
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	12/08/2015
M31-T285	Carbon-Steel Bars, Deformed and Plain: Bend Test	05/28/2009
M270-T244	Structural Steel: Tension (Elongation)	02/07/2020
M270-T244	Structural Steel: Tension (Ultimate Tensile Strength)	02/07/2020
M270-T244	Structural Steel: Tension (Yield Strength)	02/07/2020
M336-T244	Welded Deformed Steel Wire: Tension (Ultimate Tensile Strength)	12/08/2015
M336-T244	Welded Deformed Steel Wire: Tension (Yield Strength)	12/08/2015
M336-T244	Welded Plain Steel Wire: Tension (Reduction of Area)	12/08/2015
M336-T244	Welded Plain Steel Wire: Tension (Ultimate Tensile Strength)	12/08/2015
A123	Zinc Coatings on Iron and Steel: Thickness of Zinc (Microscopy)	03/24/2023
A775	Epoxy Coated Reinforcing Bars: Coating Flexibility (Bend Test)	02/02/2026
A775	Epoxy Coated Reinforcing Bars: Film Thickness	02/07/2020
A1064	Welded Deformed Steel Wire: Bend Test	06/04/2012
A1064	Welded Deformed Steel Wire: Unit Weight	03/24/2023
A1064	Welded Plain Steel Wire: Bend Test	06/04/2012
A709-A6	Structural Steel: Tension (Elongation)	02/07/2020
A709-A6	Structural Steel: Tension (Ultimate Tensile Strength)	02/07/2020
A709-A6	Structural Steel: Tension (Yield Strength)	02/07/2020

Scope of AASHTO Accreditation for:

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Iron and Steel (Continued)

Standard:		Accredited Since:
A775-G62	Epoxy Coated Reinforcing Bars: Coating Continuity (Holidays)	02/07/2020
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	12/08/2015
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	12/08/2015
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	12/08/2015
A615-E290	Carbon-Steel Bars, Deformed and Plain: Bend Test	05/28/2009
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation)	12/08/2015
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	12/08/2015
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength)	12/08/2015
A706-E290	Low Alloy Steel Bars, Deformed and Plain: Bend Test	12/08/2015
A1064-A370	Welded Deformed Steel Wire: Tension (Ultimate Tensile Strength)	12/08/2015
A1064-A370	Welded Deformed Steel Wire: Tension (Yield Strength)	12/08/2015
A1064-A370	Welded Plain Steel Wire: Tension (Reduction of Area)	12/08/2015
A1064-A370	Welded Plain Steel Wire: Tension (Ultimate Tensile Strength)	12/08/2015
A615-A1034	Carbon-Steel Bars, Deformed and Plain: Testing Mechanical Splices	12/08/2015
A706-A1034	Low Alloy Steel Bars, Deformed and Plain: Testing Mechanical Splices	12/08/2015
F3125	Externally Threaded Fasteners (Bolts): Rotational Capacity	03/24/2023
F1554-A370	Anchor Bolts: Tension (Elongation)	12/08/2015
F1554-A370	Anchor Bolts: Tension (Ultimate Tensile Strength of bar stock)	12/08/2015
F1554-F606	Anchor Bolts: Tension (Ultimate Tensile Strength of finished bolts)	12/08/2015

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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	10/29/2014
R39	Making and Curing Concrete Test Specimens in the Laboratory	07/15/1998
R60	Sampling Freshly Mixed Concrete	07/15/1998
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	07/15/1998
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	07/15/1998
R115	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	06/09/2022
T22	Compressive Strength of Cylindrical Concrete Specimens	07/15/1998
T24 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	07/15/1998
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	07/15/1998
T119	Slump of Hydraulic Cement Concrete	07/15/1998
T121	Density (Unit Weight), Yield, and Air Content of Concrete	07/15/1998
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	07/15/1998
T160	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	07/15/1998
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	07/15/1998
T197	Time of Setting of Concrete Mixtures by Penetration Resistance	10/29/2014
T198	Splitting Tensile Strength of Cylindrical Concrete Specimens	07/15/1998
T231 (7000 psi and below)	Capping Cylindrical Concrete Specimens	06/09/2022
T277	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	05/03/2019
T303	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	03/21/2012
T309	Temperature of Freshly Mixed Portland Cement Concrete	07/15/1998
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	07/15/1998
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	07/15/1998
C39	Compressive Strength of Cylindrical Concrete Specimens	07/15/1998

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Concrete (Continued)

Standard:		Accredited Since:
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	07/15/1998
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	07/15/1998
C138	Density (Unit Weight), Yield, and Air Content of Concrete	07/15/1998
C143	Slump of Hydraulic Cement Concrete	07/15/1998
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	07/15/1998
C172	Sampling Freshly Mixed Concrete	07/15/1998
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	07/15/1998
C192	Making and Curing Concrete Test Specimens in the Laboratory	07/15/1998
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	07/15/1998
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	06/09/2022
C403	Time of Setting of Concrete Mixtures by Penetration Resistance	10/29/2014
C496	Splitting Tensile Strength of Cylindrical Concrete Specimens	07/15/1998
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	12/19/2011
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	06/09/2022
C803	Penetration Resistance of Hardened Concrete	07/15/1998
C805	Rebound Number of Hardened Concrete	07/15/1998
C1064	Temperature of Freshly Mixed Portland Cement Concrete	07/15/1998
C1202	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	01/20/2015
C1218	Water-Soluble Chloride in Mortar and Concrete	10/29/2014
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	12/19/2011
C1260	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	12/19/2011
C1542	Measuring Length of Concrete Cores	04/07/2017
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	12/29/2011

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Masonry

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/03/2016
R115	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	09/03/2004
T106	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	09/03/2004
T137	Air Content of Hydraulic Cement Mortar	09/03/2004
C67	Brick: Absorption	01/01/2011
C67	Brick: Capping	09/03/2004
C67	Brick: Compressive Strength	01/01/2011
C67	Brick: Initial Rate of Absorption	12/19/2011
C67	Brick: Measurement	01/01/2011
C67	Brick: Specimen Preparation	09/03/2004
C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	09/03/2004
C140 (Full-Size Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	01/23/2026
C185	Air Content of Hydraulic Cement Mortar	09/03/2004
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	09/03/2004
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/03/2016
C1019	Sampling and Testing Grout	09/03/2004
C1314 (Prisms Constructed of Full-Size Concrete Masonry Units)	Compressive Strength of Masonry Prisms	01/23/2026
C1437	Flow of Hydraulic Cement Mortar	09/03/2004
C1506	Water Retention of Hydraulic Cement-Based Mortars and Plasters	09/03/2004
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	09/03/2004