



CERTIFICATE OF ACCREDITATION



WSP USA Environment & Infrastructure, Inc.

in

San Diego, California, 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	10/15/1994
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	08/13/2026
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	01/10/2011
C1222 (Cement)	Evaluation of Laboratories Testing Hydraulic Cement	01/10/2011
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	11/10/2014
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	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	08/24/2018
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	11/10/2014
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/13/2020
E329 (Steel Inspection)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/13/2020



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Pavement Preservation

Standard:

Accredited Since:

D3910	Measurement of Slurry Seal Consistency (Cone Consistency)	01/12/2020
D3910/D6372	Wet Track Abrasion Of Slurry Surfacing Systems	01/12/2020



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Asphalt Mixture

Standard:

Accredited Since:

R30	Mixture Conditioning of Hot Mix Asphalt (HMA)	01/12/2020
R35	Superpave Volumetric Design for Hot Mix Asphalt (HMA)	01/12/2020
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	10/15/1994
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	05/19/2023
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/19/2023
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	05/19/2023
T324	Hamburg Wheel-Track Testing of Compacted Hot-Mix Asphalt (HMA)	04/12/2016
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	10/15/1994
D979	Sampling Bituminous Paving Mixtures	01/12/2020
D1188	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	10/15/1994
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	10/15/1994
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	10/15/1994
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	10/15/1994
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	10/15/1994
D3665	Random Sampling of Construction Materials	05/19/2023
D4867	Resistance of Compacted Mixtures to Moisture Induced Damage	10/15/1994
D5444	Mechanical Analysis of Extracted Aggregate	10/15/1994
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	10/15/1994
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	06/30/2015



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Soil

Standard:	Accredited Since:
T100 Specific Gravity of Soils	05/19/2023
T236 Direct Shear Test of Soils Under Consolidated Drained Conditions	01/12/2020
T289 pH of Soils for Corrosion Testing	06/30/2015
D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	10/15/1994
D422 Particle Size Analysis of Soils by Hydrometer	10/15/1994
D558 Moisture-Density Relations of Soil-Cement Mixtures	10/15/1994
D559 Wetting-and-Drying Test of Compacted Soil-Cement Mixtures	06/29/2017
D560 Freezing-and-Thawing Tests of Compacted Soil-Cement Mixtures	06/29/2017
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	10/15/1994
D854 Specific Gravity of Soils	10/15/1994
D1140 Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	10/15/1994
D1556 Density of Soil In-Place by the Sand Cone Method	10/15/1994
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	10/15/1994
D1633 Compressive Strength of Molded Soil-Cement Cylinders	05/19/2023
D1883 The California Bearing Ratio	10/15/1994
D2166 Unconfined Compressive Strength of Cohesive Soil	10/15/1994
D2216 Laboratory Determination of Moisture Content of Soils	10/15/1994
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	10/15/1994
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	10/15/1994
D2488 Description and Identification of Soils (Visual-Manual Procedure)	10/15/1994
D2844 Resistance R-Value and Expansion Pressure of Compacted Soils	10/15/1994
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	10/15/1994
D4318 Plastic Limit of Soils (Atterberg Limits)	10/15/1994



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Soil (Continued)

Standard:	Accredited Since:
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	01/12/2020
D4718 Oversize Particle Correction	01/12/2020
D4829 Expansion Index of Soils	10/15/1994
D4972 pH Testing of Soils	10/15/1994
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	01/12/2020
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	10/15/1994
D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	01/12/2020
G187 Soil Resistivity Using the Two-Electrode Soil Box	05/19/2023



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Rock

Standard:

Accredited Since:

D4543	Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances	01/04/2018
D5731	Point Load Strength Index of Rock	01/12/2020
D7012 (Method C)	Compressive Strength of Rock Core Specimens (Method C)	11/09/2012



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Aggregate

Standard:

Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	05/19/2023
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	05/19/2023
T27	Sieve Analysis of Fine and Coarse Aggregates	05/19/2023
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	05/19/2023
T85	Specific Gravity and Absorption of Coarse Aggregate	05/19/2023
T100 (Mineral Filler)	Specific Gravity of Mineral Filler on Asphalt Mixture Designs	05/19/2023
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	10/15/1994
C70	Surface Moisture in Fine Aggregate	11/21/2013
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	10/15/1994
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	08/13/2026
C123	Lightweight Pieces in Aggregate	10/15/1994
C127	Specific Gravity and Absorption of Coarse Aggregate	08/13/2026
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	08/13/2026
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	10/15/1994
C136	Sieve Analysis of Fine and Coarse Aggregates	08/13/2026
C142	Clay Lumps and Friable Particles in Aggregate	10/15/1994
C295	Petrographic Examination of Aggregates for Concrete	06/06/2011
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	10/15/1994
C702	Reducing Samples of Aggregate to Testing Size	08/13/2026
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	01/12/2020
D75	Sampling Aggregate	09/08/2021
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	10/15/1994
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	10/15/1994



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Aggregate (Continued)

Standard:

Accredited Since:

D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	10/15/1994
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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

04/06/2010

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

04/06/2010



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Iron and Steel

Standard:

Accredited Since:

A615	Carbon-Steel Bars, Deformed and Plain: Unit Weight	05/19/2023
A706	Low Alloy Steel Bars, Deformed and Plain: Unit Weight	05/19/2023
A709-A6	Structural Steel: Tension (Elongation)	06/30/2015
A709-A6	Structural Steel: Tension (Ultimate Tensile Strength)	06/30/2015
A709-A6	Structural Steel: Tension (Yield Strength)	06/30/2015
A563-E18	Internally Threaded Fasteners (Nuts): Rockwell Hardness	06/30/2015
A563-F606	Internally Threaded Fasteners (Nuts): Proof Load Determination	06/30/2015
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	06/30/2015
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	06/30/2015
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	06/30/2015
A615-E290	Carbon-Steel Bars, Deformed and Plain: Bend Test	01/30/2008
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation)	06/30/2015
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	06/30/2015
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength)	06/30/2015
A706-E290	Low Alloy Steel Bars, Deformed and Plain: Bend Test	11/21/2013
A416-A1061	Steel Strand, Uncoated Seven-Wire: Tension (Elongation)	06/30/2015
A416-A1061	Steel Strand, Uncoated Seven-Wire: Tension (Ultimate Tensile Strength)	06/30/2015
A416-A1061	Steel Strand, Uncoated Seven-Wire: Tension (Yield Strength)	06/30/2015
A615-A1034	Carbon-Steel Bars, Deformed and Plain: Testing Mechanical Splices	11/09/2012
A706-A1034	Low Alloy Steel Bars, Deformed and Plain: Testing Mechanical Splices	06/30/2015
F3125	Externally Threaded Fasteners (Bolts): Rotational Capacity	06/30/2015
F436-E18	Hardened Steel Washers: Rockwell Hardness	06/29/2017
F3125-E18	Externally Threaded Fasteners (Bolts): Rockwell Hardness	01/30/2008



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Iron and Steel (Continued)

Standard:	Accredited Since:
F1554-A370 Anchor Bolts: Tension (Elongation)	05/19/2023
F1554-A370 Anchor Bolts: Tension (Ultimate Tensile Strength of bar stock)	05/19/2023
F1554-A370 Anchor Bolts: Tension (Yield Strength)	05/19/2023
F1554-F606 Anchor Bolts: Tension (Ultimate Tensile Strength of finished bolts)	05/19/2023
F3125-F606 Externally Threaded Fasteners (Bolts): Proof Load Determination	01/30/2008
F3125-F606 Externally Threaded Fasteners (Bolts): Ultimate Tensile Strength	01/30/2008
A615-CT670 Carbon-Steel Bars, Deformed and Plain: Testing Mechanical and Welded Splices	11/09/2012
A706-CT670 Low Alloy Steel Bars, Deformed and Plain: Testing Mechanical and Welded Splices	06/30/2015



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Cement - Physical Tests

Standard:

Accredited Since:

C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	06/06/2011
C183	Sampling and the Amount of Testing of Hydraulic Cement	09/11/2008
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	09/11/2008
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/21/2013
C1012	Length Change of Hydraulic-Cement Mortars Exposed to a Sulfate Solution	03/19/2025
C1437	Flow of Hydraulic Cement Mortar	09/11/2008



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Concrete

Standard:

Accredited Since:

T336	Coefficient of Thermal Expansion of Hydraulic Cement Concrete	08/24/2018
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	10/15/1994
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	10/15/1994
C39	Compressive Strength of Cylindrical Concrete Specimens	10/15/1994
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	10/15/1994
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	10/15/1994
C87	Effect of Organic Impurities in Fine Aggregate on Strength of Mortar	11/21/2013
C138	Density (Unit Weight), Yield, and Air Content of Concrete	10/15/1994
C143	Slump of Hydraulic Cement Concrete	10/15/1994
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	10/15/1994
C172	Sampling Freshly Mixed Concrete	10/15/1994
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	10/15/1994
C174	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	10/15/1994
C192	Making and Curing Concrete Test Specimens in the Laboratory	10/15/1994
C227	Potential Alkali Reactivity of Cement-Aggregate Combinations (Mortar-Bar Method)	11/21/2013
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	10/15/1994
C232	Bleeding of Concrete	10/15/1994
C293	Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading)	10/15/1994
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	03/19/2025
C457	Microscopical Determination of Parameters of the Air-Void System in Hardened Concrete	10/15/1994
C469	Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression	10/15/1994
C495	Compressive Strength of Lightweight Insulating Concrete	10/15/1994
C496	Splitting Tensile Strength of Cylindrical Concrete Specimens	10/15/1994



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Concrete (Continued)

Standard:		Accredited Since:
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/21/2013
C567	Determining Density of Structural Lightweight Concrete	10/15/1994
C597	Pulse Velocity Through Concrete	10/15/1994
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	08/24/2018
C642	Density, Absorption, and Voids in Hardened Concrete	10/15/1994
C805	Rebound Number of Hardened Concrete	10/15/1994
C856	Petrographic Examination of Hardened Concrete	03/19/2025
C944	Abrasion Resistance of Concrete or Mortar Surfaces by the Rotating-Cutter Method	10/15/1994
C1064	Temperature of Freshly Mixed Portland Cement Concrete	10/15/1994
C1152	Acid-Soluble Chloride in Mortar and Concrete	08/24/2018
C1202	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	10/15/1994
C1218	Water-Soluble Chloride in Mortar and Concrete	10/15/1994
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	06/06/2011
C1260	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	10/15/1994
C1383	Measuring the P-Wave Speed and the Thickness of Concrete Plates Using the Impact-Echo Method	10/15/1994
C1437	Flow of Hydraulic Cement Mortar	03/19/2025
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	04/12/2016



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Masonry

Standard:

Accredited Since:

C140 (Full-Size Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	03/19/2025
C426	Linear Drying Shrinkage of Concrete Masonry Units	08/24/2018
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/21/2013
C780 (Annex 1)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	08/24/2018
C780 (Annex 4)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Mortar Aggregate Ratio	09/08/2021
C780 (Annex 6 - Cubes)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cubes	08/24/2018
C780 (Annex 6 - Cylinders)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cylinders	03/19/2025
C1019	Sampling and Testing Grout	01/13/2006
C1314 (Prisms Constructed of Full-Size Concrete Masonry Units)	Compressive Strength of Masonry Prisms	03/19/2025
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	01/13/2006