AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AASHTO

UES Professional Solutions, Inc.

in

Escondido, 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	02/01/1998
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	10/28/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	10/28/2011
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	11/12/2013
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	10/21/2014
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	10/25/2011
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	10/25/2011
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/28/2011
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/25/2011
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/28/2011
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/02/2022
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/25/2011

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Asphalt Mixture

Standard:		Accredited Since:
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	10/29/2012
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	05/15/2015
T30	Mechanical Analysis of Extracted Aggregate	05/15/2015
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	05/15/2015
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	04/23/2026
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	05/15/2015
T246	Resistance to Deformation and Cohesion of Bituminous Mixtures by Means of Hveem Apparatus	05/15/2015
T247	Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	05/15/2015
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	05/15/2015
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/15/2015
D1560 (Stability)	Resistance to Deformation of Bituminous Mixtures by Means of Hveem Apparatus	11/01/2001
D1561	Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	11/01/2001
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	11/01/2001
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	11/01/2001
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	10/29/2012
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	11/01/2001
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	10/27/2022
D5444	Mechanical Analysis of Extracted Aggregate	11/01/2001
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	11/01/2001
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	11/01/2001
D6927	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	11/01/2001

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	05/15/2015
T88	Particle Size Analysis of Soils by Hydrometer	05/15/2015
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	05/15/2015
T90	Plastic Limit of Soils (Atterberg Limits)	05/15/2015
T190	Resistance R-Value and Expansion Pressure of Compacted Soils	05/15/2015
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	05/15/2015
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	02/01/1998
T265	Laboratory Determination of Moisture Content of Soils	05/15/2015
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	05/05/2017
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	02/01/1998
D422	Particle Size Analysis of Soils by Hydrometer	02/01/1998
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/01/1998
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	02/01/1998
D1556	Density of Soil In-Place by the Sand Cone Method	02/01/1998
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/01/1998
D2216	Laboratory Determination of Moisture Content of Soils	02/01/1998
D2435	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	02/01/1998
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	02/01/1998
D2488	Description and Identification of Soils (Visual-Manual Procedure)	02/01/1998
D2844	Resistance R-Value and Expansion Pressure of Compacted Soils	02/01/1998
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	02/01/1998
D4318	Plastic Limit of Soils (Atterberg Limits)	02/01/1998
D4643	Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	10/29/2012

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Soil (Continued)

Standard:	Accredited Since:
D4829 Expansion Index of Soils	02/01/1998
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	02/01/1998

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	02/01/1998
R90	Sampling Aggregate	04/08/2016
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	06/28/2011
T21	Organic Impurities in Fine Aggregates for Concrete	02/01/1998
T27	Sieve Analysis of Fine and Coarse Aggregates	02/01/1998
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/01/1998
T85	Specific Gravity and Absorption of Coarse Aggregate	02/01/1998
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	06/28/2011
T255	Total Moisture Content of Aggregate by Drying	02/01/1998
C40	Organic Impurities in Fine Aggregates for Concrete	02/01/1998
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	02/01/1998
C127	Specific Gravity and Absorption of Coarse Aggregate	02/01/1998
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/01/1998
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	02/01/1998
C136	Sieve Analysis of Fine and Coarse Aggregates	02/01/1998
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	06/28/2011
C566	Total Moisture Content of Aggregate by Drying	02/01/1998
C702	Reducing Samples of Aggregate to Testing Size	02/01/1998
D75	Sampling Aggregate	04/08/2016
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	02/01/1998

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Iron and Steel

Standard:	Accredited Since:
M31-T244 Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	09/29/2016
M31-T244 Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	09/29/2016
M31-T244 Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	09/29/2016
M31-T285 Carbon-Steel Bars, Deformed and Plain: Bend Test	09/29/2016
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	04/08/2016
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	04/08/2016
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	04/08/2016
A615-E290 Carbon-Steel Bars, Deformed and Plain: Bend Test	09/23/2008
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation)	04/08/2016
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	04/08/2016
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength)	04/08/2016
A706-E290 Low Alloy Steel Bars, Deformed and Plain: Bend Test	04/08/2016

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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	11/12/2013
R39	Making and Curing Concrete Test Specimens in the Laboratory	11/12/2013
R60	Sampling Freshly Mixed Concrete	01/01/1999
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	01/01/1999
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	01/01/1999
T22	Compressive Strength of Cylindrical Concrete Specimens	01/01/1999
T24 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	01/01/1999
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	01/01/1999
T119	Slump of Hydraulic Cement Concrete	01/01/1999
T121	Density (Unit Weight), Yield, and Air Content of Concrete	01/01/1999
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	06/28/2011
T160	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	05/21/2025
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	06/28/2011
T231 (8000 psi and below)	Capping Cylindrical Concrete Specimens	05/21/2025
T309	Temperature of Freshly Mixed Portland Cement Concrete	06/28/2011
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	01/01/1999
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	01/01/1999
C39	Compressive Strength of Cylindrical Concrete Specimens	01/01/1999
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	01/01/1999
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	01/01/1999
C138	Density (Unit Weight), Yield, and Air Content of Concrete	01/01/1999
C143	Slump of Hydraulic Cement Concrete	01/01/1999
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	05/21/2025

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Concrete (Continued)

Standard:		Accredited Since:
C172	Sampling Freshly Mixed Concrete	01/01/1999
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	01/01/1999
C192	Making and Curing Concrete Test Specimens in the Laboratory	11/12/2013
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	01/01/1999
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/12/2013
C617 (8000 psi and below)	Capping Cylindrical Concrete Specimens	05/21/2025
C1064	Temperature of Freshly Mixed Portland Cement Concrete	01/01/1999
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	05/21/2025
C1542	Measuring Length of Concrete Cores	09/18/2018

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Masonry

Standard:		Accredited Since:
C140 (Full-Size Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	05/21/2025
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/29/2016
C1019	Sampling and Testing Grout	04/08/2016
C1314 (Prisms Constructed of Reduced-Size Concrete Masonry Units)	Compressive Strength of Masonry Prisms	05/21/2025
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	06/28/2011

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