AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AASHTO

UES Professional Solutions 19, LLC

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:

UES Professional Solutions 19, LLC

in Knoxville, Tennessee, USA

Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	01/28/2010
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	06/20/2014
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	04/20/2012
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/20/2012
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	03/15/2012

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Asphalt Mixture

Standard:		Accredited Since:
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	10/04/2021
T30	Mechanical Analysis of Extracted Aggregate	06/20/2014
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	10/04/2021
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	06/20/2014
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	10/04/2021
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	06/20/2014
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	06/20/2014
T355	Density of Bituminous Concrete In Place by Nuclear Methods	10/04/2021
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	06/20/2014
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	10/04/2021
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	04/16/2018
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	06/20/2014
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	10/04/2021
D5444	Mechanical Analysis of Extracted Aggregate	06/20/2014
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	06/20/2014
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	10/04/2021
D6927	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	10/04/2021

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/28/2010
T88	Particle Size Analysis of Soils by Hydrometer	01/28/2010
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	01/28/2010
T90	Plastic Limit of Soils (Atterberg Limits)	01/28/2010
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/28/2010
T100	Specific Gravity of Soils	01/28/2010
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/28/2010
T191	Density of Soil In-Place by the Sand Cone Method	01/28/2010
T193	The California Bearing Ratio	09/21/2011
T208	Unconfined Compressive Strength of Cohesive Soil	06/10/2026
T215	Permeability of Granular Soils (Constant Head)	06/10/2026
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	06/10/2026
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	06/10/2026
T265	Laboratory Determination of Moisture Content of Soils	01/28/2010
T267	Determination of Organic Content in Soils by Loss on Ignition	06/22/2023
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	06/10/2026
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	06/10/2026
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/28/2010
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/28/2010
D422	Particle Size Analysis of Soils by Hydrometer	01/28/2010
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/28/2010
D854	Specific Gravity of Soils	01/28/2010
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	01/28/2010

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Soil (Continued)

Standard:	Accredited Since:
D1556 Density of Soil In-Place by the Sand Cone Method	01/28/2010
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/28/2010
D1883 The California Bearing Ratio	09/21/2011
D2166 Unconfined Compressive Strength of Cohesive Soil	04/23/2019
D2216 Laboratory Determination of Moisture Content of Soils	01/28/2010
D2434 Permeability of Granular Soils (Constant Head)	06/10/2026
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	06/10/2026
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	01/28/2010
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	04/23/2019
D2974 Determination of Organic Content in Soils by Loss on Ignition	04/23/2019
D3080 Direct Shear Test of Soils Under Consolidated Drained Conditions	06/10/2026
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	01/28/2010
D4318 Plastic Limit of Soils (Atterberg Limits)	01/28/2010
D4718 Oversize Particle Correction	06/10/2026
D4767 Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	04/23/2019
D4972 pH Testing of Soils	06/10/2026
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	04/23/2019
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	04/23/2019
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/28/2010
D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	04/23/2019
D8167 In-Place Bulk Density of Soil and Soil-Aggregate by a Low-Activity Nuclear Method (Shallow Depth)	06/10/2026
G57 Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	06/22/2023

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Rock

Standard:		Accredited Since:
D4543	Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances	10/04/2021
D7012 (Method C)	Compressive Strength of Rock Core Specimens (Method C)	10/04/2021

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	11/06/2014
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	11/06/2014
T21	Organic Impurities in Fine Aggregates for Concrete	11/06/2014
T27	Sieve Analysis of Fine and Coarse Aggregates	11/06/2014
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	11/06/2014
T85	Specific Gravity and Absorption of Coarse Aggregate	11/06/2014
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	11/06/2014
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	11/06/2014
T255	Total Moisture Content of Aggregate by Drying	11/06/2014
C40	Organic Impurities in Fine Aggregates for Concrete	03/17/2010
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	03/17/2010
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	03/17/2010
C127	Specific Gravity and Absorption of Coarse Aggregate	03/17/2010
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	03/17/2010
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	04/20/2012
C136	Sieve Analysis of Fine and Coarse Aggregates	03/17/2010
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	04/20/2012
C566	Total Moisture Content of Aggregate by Drying	03/17/2010
C702	Reducing Samples of Aggregate to Testing Size	03/17/2010

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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	04/23/2019
E736 Cohesion/Adhesion of Sprayed Fire-Resistive MaterialsApplied to Structural Members	04/23/2019

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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	11/06/2014
R60	Sampling Freshly Mixed Concrete	11/06/2014
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	11/06/2014
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	11/06/2014
R115	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	03/14/2023
T22	Compressive Strength of Cylindrical Concrete Specimens	11/06/2014
T24 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	06/26/2017
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	11/06/2014
T119	Slump of Hydraulic Cement Concrete	11/06/2014
T121	Density (Unit Weight), Yield, and Air Content of Concrete	11/06/2014
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	11/06/2014
T160	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	03/14/2023
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	11/06/2014
T231 (7000 psi and below)	Capping Cylindrical Concrete Specimens	03/14/2023
T303	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	04/27/2026
T309	Temperature of Freshly Mixed Portland Cement Concrete	11/06/2014
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	03/17/2010
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	03/17/2010
C39	Compressive Strength of Cylindrical Concrete Specimens	03/17/2010
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	06/26/2017
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	03/17/2010
C138	Density (Unit Weight), Yield, and Air Content of Concrete	03/17/2010
C143	Slump of Hydraulic Cement Concrete	03/17/2010

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Concrete (Continued)

Standard:		Accredited Since:
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	03/14/2023
C172	Sampling Freshly Mixed Concrete	03/17/2010
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	03/17/2010
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	03/17/2010
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	03/14/2023
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/20/2012
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	03/14/2023
C1064	Temperature of Freshly Mixed Portland Cement Concrete	03/17/2010
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	04/20/2012
C1260	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	04/27/2026
C1542	Measuring Length of Concrete Cores	06/26/2017
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	03/14/2023

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