AASHTO ACCREDITED

Certificate of Accreditation

American Association of State Highway and Transportation Officials

AASHTO

Llewellyn and Associates, Inc.

dba

Construction Materials Laboratory

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

This certificate was generated on 08/11/2026 at 5:31 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

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	10/18/2016
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	03/14/2018
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	**Suspended**
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	10/18/2016
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	12/29/2017
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	05/13/2021
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/18/2016
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/18/2016
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	**Suspended**
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/13/2021

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Asphalt Mixture

Standard:		Accredited Since:
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	10/18/2016
T30	Mechanical Analysis of Extracted Aggregate	10/18/2016
T164 (Mineral Matter Not Determined)	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA) - Plant Control	06/26/2018
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	10/18/2016
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	10/18/2016
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	10/18/2016
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	10/18/2016
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	07/19/2023
T355	Density of Bituminous Concrete In Place by Nuclear Methods	05/13/2021
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	10/18/2016
D2172 (Mineral Matter Not Determined)	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA) - Plant Control	06/26/2018
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	10/18/2016
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	10/18/2016
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	10/18/2016
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	05/13/2021
D4867	Resistance of Compacted Mixtures to Moisture Induced Damage	07/19/2023
D5444	Mechanical Analysis of Extracted Aggregate	10/18/2016
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	07/19/2023
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	10/18/2016
D6927	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	10/18/2016

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/26/2018
T88	Particle Size Analysis of Soils by Hydrometer	10/18/2016
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	10/18/2016
T90	Plastic Limit of Soils (Atterberg Limits)	10/18/2016
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	10/18/2016
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	05/13/2021
T193	The California Bearing Ratio	10/18/2016
T208	Unconfined Compressive Strength of Cohesive Soil	10/18/2016
T265	Laboratory Determination of Moisture Content of Soils	05/13/2021
T289	pH of Soils for Corrosion Testing	07/19/2023
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	05/13/2021
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	05/13/2021
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	10/18/2016
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/26/2018
D422	Particle Size Analysis of Soils by Hydrometer	10/18/2016
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	10/18/2016
D854	Specific Gravity of Soils	10/18/2016
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	05/13/2021
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	05/13/2021
D1883	The California Bearing Ratio	10/18/2016
D2166	Unconfined Compressive Strength of Cohesive Soil	10/18/2016
D2216	Laboratory Determination of Moisture Content of Soils	05/13/2021
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	05/13/2021

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Soil (Continued)

Standard:	Accredited Since:
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	05/13/2021
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	10/18/2016
D4318 Plastic Limit of Soils (Atterberg Limits)	10/18/2016
D4718 Oversize Particle Correction	07/19/2023
D4767 Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	05/13/2021
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	10/18/2016
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	05/13/2021
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	10/18/2016

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	05/13/2021
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	10/18/2016
T19	Bulk Density (“Unit Weight”) and Voids in Aggregate	05/13/2021
T21	Organic Impurities in Fine Aggregates for Concrete	10/18/2016
T27	Sieve Analysis of Fine and Coarse Aggregates	10/18/2016
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	10/18/2016
T85	Specific Gravity and Absorption of Coarse Aggregate	10/18/2016
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	10/18/2016
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	10/18/2016
T112	Clay Lumps and Friable Particles in Aggregate	05/13/2021
T113	Lightweight Pieces in Aggregate	10/18/2016
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	05/13/2021
T255	Total Moisture Content of Aggregate by Drying	05/13/2021
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	05/13/2021
T330	The Qualitative Detection of Harmful Clays of the Smectite Group in Aggregates Using Methylene Blue	05/13/2021
C29	Bulk Density (“Unit Weight”) and Voids in Aggregate	05/13/2021
C40	Organic Impurities in Fine Aggregates for Concrete	10/18/2016
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	10/18/2016
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	10/18/2016
C123	Lightweight Pieces in Aggregate	10/18/2016
C127	Specific Gravity and Absorption of Coarse Aggregate	10/18/2016
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	10/18/2016
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	10/18/2016

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Aggregate (Continued)

Standard:		Accredited Since:
C136	Sieve Analysis of Fine and Coarse Aggregates	10/18/2016
C142	Clay Lumps and Friable Particles in Aggregate	05/13/2021
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	05/13/2021
C566	Total Moisture Content of Aggregate by Drying	05/13/2021
C702	Reducing Samples of Aggregate to Testing Size	05/13/2021
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	05/13/2021
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	05/13/2021
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	05/13/2021

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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	**Suspended**
R39	Making and Curing Concrete Test Specimens in the Laboratory	**Suspended**
R60	Sampling Freshly Mixed Concrete	**Suspended**
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	**Suspended**
T22	Compressive Strength of Cylindrical Concrete Specimens	**Suspended**
T119	Slump of Hydraulic Cement Concrete	**Suspended**
T121	Density (Unit Weight), Yield, and Air Content of Concrete	**Suspended**
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	**Suspended**
T231 (6000 psi and below)	Capping Cylindrical Concrete Specimens	**Suspended**
T309	Temperature of Freshly Mixed Portland Cement Concrete	**Suspended**
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	**Suspended**
C39	Compressive Strength of Cylindrical Concrete Specimens	**Suspended**
C138	Density (Unit Weight), Yield, and Air Content of Concrete	**Suspended**
C143	Slump of Hydraulic Cement Concrete	09/12/2019
C172	Sampling Freshly Mixed Concrete	09/12/2019
C192	Making and Curing Concrete Test Specimens in the Laboratory	11/05/2019
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	**Suspended**
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/05/2019
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	**Suspended**
C1064	Temperature of Freshly Mixed Portland Cement Concrete	**Suspended**
C1231 (6000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	**Suspended**