AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AASHTO

AAR Testing Laboratories, Inc.

in

Redmond, Washington, 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

Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 01/03/2024 at 7:31 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

Scope of AASHTO Accreditation for:

AAR Testing Laboratories, Inc.

in Redmond, Washington, USA

Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	02/12/2018
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	02/12/2018
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	05/15/2018
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	05/15/2018
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	02/12/2018
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	02/12/2018
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	02/12/2018
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/12/2018
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/12/2018
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/15/2018
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/14/2021
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/12/2018
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/12/2018
E329 (Steel Inspection)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/12/2018

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Asphalt Mixture

Standard:		Accredited Since:
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	02/12/2018
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	11/27/2019
R97	Sampling Bituminous Paving Mixtures	12/07/2022
T30	Mechanical Analysis of Extracted Aggregate	02/12/2018
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	11/27/2019
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	02/12/2018
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	11/27/2019
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	11/27/2019
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	12/07/2022
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	02/12/2018
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	11/27/2019
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	02/12/2018
T355	Density of Bituminous Concrete In Place by Nuclear Methods	11/27/2019
D979	Sampling Bituminous Paving Mixtures	02/12/2018
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	02/12/2018
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	11/27/2019
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	02/12/2018
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	11/27/2019
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	11/27/2019
D5444	Mechanical Analysis of Extracted Aggregate	02/12/2018
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	02/12/2018
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	11/27/2019
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	11/27/2019

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Asphalt Mixture (Continued)

Standard:	Accredited Since:
D6927 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	11/27/2019

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	02/12/2018
R74	Wet Preparation of Disturbed Soil Samples for Test	11/27/2019
T88	Particle Size Analysis of Soils by Hydrometer	11/27/2019
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	02/12/2018
T90	Plastic Limit of Soils (Atterberg Limits)	02/12/2018
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/12/2018
T100	Specific Gravity of Soils	11/27/2019
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/12/2018
T193	The California Bearing Ratio	11/27/2019
T265	Laboratory Determination of Moisture Content of Soils	02/12/2018
T267	Determination of Organic Content in Soils by Loss on Ignition	11/27/2019
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	02/12/2018
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	02/12/2018
D422	Particle Size Analysis of Soils by Hydrometer	11/27/2019
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/12/2018
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	11/27/2019
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/12/2018
D1883	The California Bearing Ratio	11/27/2019
D2216	Laboratory Determination of Moisture Content of Soils	02/12/2018
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	12/07/2022
D2488	Description and Identification of Soils (Visual-Manual Procedure)	12/07/2022
D2974	Determination of Organic Content in Soils by Loss on Ignition	11/27/2019
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	02/12/2018

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Soil (Continued)

Standard:	Accredited Since:
D4318 Plastic Limit of Soils (Atterberg Limits)	02/12/2018
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	12/07/2022
D4718 Oversize Particle Correction	12/07/2022
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	02/12/2018

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	02/12/2018
R90	Sampling Aggregate	02/12/2018
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	02/12/2018
T19	Bulk Density (“Unit Weight”) and Voids in Aggregate	11/27/2019
T21	Organic Impurities in Fine Aggregates for Concrete	11/27/2019
T27	Sieve Analysis of Fine and Coarse Aggregates	02/12/2018
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/12/2018
T85	Specific Gravity and Absorption of Coarse Aggregate	02/12/2018
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	02/12/2018
T112	Clay Lumps and Friable Particles in Aggregate	11/27/2019
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	02/12/2018
T255	Total Moisture Content of Aggregate by Drying	02/12/2018
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	11/27/2019
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	02/12/2018
C29	Bulk Density (“Unit Weight”) and Voids in Aggregate	11/27/2019
C40	Organic Impurities in Fine Aggregates for Concrete	11/27/2019
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	02/12/2018
C127	Specific Gravity and Absorption of Coarse Aggregate	02/12/2018
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/12/2018
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	02/12/2018
C136	Sieve Analysis of Fine and Coarse Aggregates	02/12/2018
C142	Clay Lumps and Friable Particles in Aggregate	11/27/2019
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	02/12/2018

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Aggregate (Continued)

Standard:		Accredited Since:
C566	Total Moisture Content of Aggregate by Drying	02/12/2018
C702	Reducing Samples of Aggregate to Testing Size	02/12/2018
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	11/27/2019
D75	Sampling Aggregate	02/12/2018
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	02/12/2018
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	11/27/2019
D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	02/12/2018

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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	02/12/2018
E736 Cohesion/Adhesion of Sprayed Fire-Resistive MaterialsApplied to Structural Members	02/12/2018

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Iron and Steel

Standard:	Accredited Since:
F3125 Externally Threaded Fasteners (Bolts): Rotational Capacity	02/12/2018

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Concrete

Standard:		Accredited Since:
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	05/15/2018
C39	Compressive Strength of Cylindrical Concrete Specimens	05/15/2018
C138	Density (Unit Weight), Yield, and Air Content of Concrete	05/15/2018
C143	Slump of Hydraulic Cement Concrete	05/15/2018
C172	Sampling Freshly Mixed Concrete	05/15/2018
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	05/15/2018
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	05/15/2018
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	05/15/2018
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	05/15/2018
C1064	Temperature of Freshly Mixed Portland Cement Concrete	05/15/2018
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	05/15/2018

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Masonry

Standard:		Accredited Since:
C140 (Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	05/15/2018
C1314	Compressive Strength of Masonry Prisms	05/14/2021
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	05/15/2018