AASHTO ACCREDITED

Certificate of Accreditation

American Association of State Highway and Transportation Officials

AASHTO

Ninyo & Moore – a SOCOTEC Company

in

Phoenix, Arizona, 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:

Ninyo & Moore – a SOCOTEC Company

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Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	09/10/2018
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	09/10/2018
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	02/01/2019
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	09/10/2018
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	09/10/2018
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	09/10/2018
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	09/10/2018
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	09/10/2018
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/01/2019
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	09/10/2018
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/17/2019

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Asphalt Mixture

Standard:		Accredited Since:
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	09/10/2018
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	09/10/2018
T30	Mechanical Analysis of Extracted Aggregate	09/10/2018
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	09/10/2018
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	09/10/2018
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	09/10/2018
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	09/10/2018
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	03/17/2025
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	09/10/2018
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	09/10/2018
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	09/10/2018
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	07/19/2022
T355	Density of Bituminous Concrete In Place by Nuclear Methods	07/17/2019
D1188	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	03/17/2025
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	09/10/2018
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	09/10/2018
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	07/17/2019
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	09/10/2018
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	07/19/2022
D4867	Resistance of Compacted Mixtures to Moisture Induced Damage	09/10/2018
D5444	Mechanical Analysis of Extracted Aggregate	09/10/2018
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	09/10/2018
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	09/10/2018

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Asphalt Mixture (Continued)

Standard:	Accredited Since:
D6926 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	09/10/2018
D6927 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	09/10/2018

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	09/10/2018
R74	Wet Preparation of Disturbed Soil Samples for Test	03/17/2025
T88	Particle Size Analysis of Soils by Hydrometer	09/10/2018
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	09/10/2018
T90	Plastic Limit of Soils (Atterberg Limits)	09/10/2018
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	09/10/2018
T100	Specific Gravity of Soils	09/10/2018
T134	Moisture-Density Relations of Soil-Cement Mixtures	09/10/2018
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	09/10/2018
T191	Density of Soil In-Place by the Sand Cone Method	07/17/2019
T208	Unconfined Compressive Strength of Cohesive Soil	09/10/2018
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	09/10/2018
T217	Determination of Moisture in Soils by Means of a Calcium Carbide Gas Pressure Moisture Tester	07/17/2019
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	09/10/2018
T265	Laboratory Determination of Moisture Content of Soils	09/10/2018
T267	Determination of Organic Content in Soils by Loss on Ignition	07/19/2022
T288	Minimum Soil Resistivity	07/17/2019
T289	pH of Soils for Corrosion Testing	07/17/2019
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	03/17/2025
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	09/10/2018
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	09/10/2018
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	09/10/2018
D422	Particle Size Analysis of Soils by Hydrometer	09/10/2018

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Soil (Continued)

Standard:	Accredited Since:
D558 Moisture-Density Relations of Soil-Cement Mixtures	09/10/2018
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	09/10/2018
D854 Specific Gravity of Soils	09/10/2018
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	09/10/2018
D1556 Density of Soil In-Place by the Sand Cone Method	09/10/2018
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	09/10/2018
D2166 Unconfined Compressive Strength of Cohesive Soil	09/10/2018
D2216 Laboratory Determination of Moisture Content of Soils	09/10/2018
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	09/10/2018
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	09/10/2018
D2488 Description and Identification of Soils (Visual-Manual Procedure)	09/10/2018
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	03/17/2025
D2974 Determination of Organic Content in Soils by Loss on Ignition	07/19/2022
D3080 Direct Shear Test of Soils Under Consolidated Drained Conditions	09/10/2018
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	09/10/2018
D4318 Plastic Limit of Soils (Atterberg Limits)	09/10/2018
D4546 One-Dimensional Swell or Settlement Potential of Cohesive Soils	09/10/2018
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	03/17/2025
D4718 Oversize Particle Correction	03/17/2025
D4767 Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	09/10/2018
D4829 Expansion Index of Soils	06/10/2025
D4944 Determination of Moisture in Soils by Means of a Calcium Carbide Gas Pressure Moisture Tester	07/17/2019
D4972 pH Testing of Soils	09/10/2018

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Soil (Continued)

Standard:	Accredited Since:
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	09/10/2018
D5334 Determination of Thermal Conductivity of Soil and Rock by Thermal Needle Probe	03/17/2025
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	03/17/2025
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	09/10/2018
D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	03/17/2025

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	09/10/2018
R90	Sampling Aggregate	07/17/2019
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	09/10/2018
T19	Bulk Density (“Unit Weight”) and Voids in Aggregate	09/10/2018
T21	Organic Impurities in Fine Aggregates for Concrete	09/10/2018
T27	Sieve Analysis of Fine and Coarse Aggregates	09/10/2018
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	09/10/2018
T85	Specific Gravity and Absorption of Coarse Aggregate	09/10/2018
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	09/10/2018
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	09/10/2018
T112	Clay Lumps and Friable Particles in Aggregate	09/10/2018
T113	Lightweight Pieces in Aggregate	09/10/2018
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	09/10/2018
T255	Total Moisture Content of Aggregate by Drying	09/10/2018
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	09/10/2018
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	07/19/2022
C29	Bulk Density (“Unit Weight”) and Voids in Aggregate	09/10/2018
C40	Organic Impurities in Fine Aggregates for Concrete	09/10/2018
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	09/10/2018
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	09/10/2018
C123	Lightweight Pieces in Aggregate	09/10/2018
C127	Specific Gravity and Absorption of Coarse Aggregate	09/10/2018
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	09/10/2018

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Aggregate (Continued)

Standard:		Accredited Since:
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	09/10/2018
C136	Sieve Analysis of Fine and Coarse Aggregates	09/10/2018
C142	Clay Lumps and Friable Particles in Aggregate	09/10/2018
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	09/10/2018
C566	Total Moisture Content of Aggregate by Drying	09/10/2018
C702	Reducing Samples of Aggregate to Testing Size	09/10/2018
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	09/10/2018
D75	Sampling Aggregate	07/19/2022
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	09/10/2018
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	10/31/2024
D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	07/17/2019

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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	09/10/2018
E736 Cohesion/Adhesion of Sprayed Fire-Resistive MaterialsApplied to Structural Members	09/10/2018

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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	02/01/2019
R39	Making and Curing Concrete Test Specimens in the Laboratory	06/08/2021
R60	Sampling Freshly Mixed Concrete	02/01/2019
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	05/07/2021
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	05/07/2021
T22	Compressive Strength of Cylindrical Concrete Specimens	02/01/2019
T24 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	06/08/2021
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	06/08/2021
T119	Slump of Hydraulic Cement Concrete	02/01/2019
T121	Density (Unit Weight), Yield, and Air Content of Concrete	02/01/2019
T148	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	06/08/2021
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	02/01/2019
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/01/2019
T231 (5000 psi and below)	Capping Cylindrical Concrete Specimens	10/31/2024
T309	Temperature of Freshly Mixed Portland Cement Concrete	02/01/2019
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	05/07/2021
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	05/07/2021
C39	Compressive Strength of Cylindrical Concrete Specimens	02/01/2019
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	06/08/2021
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	06/08/2021
C138	Density (Unit Weight), Yield, and Air Content of Concrete	02/01/2019
C143	Slump of Hydraulic Cement Concrete	02/01/2019
C172	Sampling Freshly Mixed Concrete	02/01/2019

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Concrete (Continued)

Standard:		Accredited Since:
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/01/2019
C174	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	06/08/2021
C192	Making and Curing Concrete Test Specimens in the Laboratory	06/08/2021
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	02/01/2019
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	02/01/2019
C617 (5000 psi and below)	Capping Cylindrical Concrete Specimens	10/31/2024
C805	Rebound Number of Hardened Concrete	06/08/2021
C1064	Temperature of Freshly Mixed Portland Cement Concrete	02/01/2019
C1140	Preparing and Testing Specimens from Shotcrete Test Panels	06/08/2021
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	02/01/2019
C1542	Measuring Length of Concrete Cores	10/31/2024
C1604	Standard Test Method for Obtaining and Testing Drilled Cores of Shotcrete	10/31/2024

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Controlled Low Strength Material (CLSM)

Standard:	Accredited Since:
D4832 Preparation and Testing of Controlled Low Strength Material (CLSM) Test Cylinders	06/08/2021
D5971 Sampling Freshly Mixed Controlled Low-Strength Material (CLSM)	06/08/2021

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Masonry

Standard:	Accredited Since:
C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/08/2021
C1019 Sampling and Testing Grout	06/08/2021

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