



CERTIFICATE OF ACCREDITATION



Advanced Infrastructure Design, Inc.

in

Hamilton, New Jersey, 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](https://www.aashtoresource.org)).

A handwritten signature in black ink, appearing to read 'Jim Tymon', written over a horizontal line.

Jim Tymon,
AASHTO Executive Director

A handwritten signature in black ink, appearing to read 'Matt Linneman', written over a horizontal line.

Matt Linneman,
AASHTO COMP Chair

This certificate was generated on 11/01/2024 at 6:11 PM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](https://www.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	06/17/2016
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	06/17/2016



SCOPE OF AASHTO ACCREDITATION FOR:

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Asphalt Mixture

Standard:

Accredited Since:

T30	Mechanical Analysis of Extracted Aggregate	09/26/2017
T166 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	09/26/2017
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	09/26/2017
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	09/26/2017
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	09/26/2017
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	09/26/2017
D2726 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	09/26/2017
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	09/26/2017
D5444	Mechanical Analysis of Extracted Aggregate	09/26/2017
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	09/26/2017



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Soil

Standard:

Accredited Since:

R74	Wet Preparation of Disturbed Soil Samples for Test	09/26/2017
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	09/26/2017
T90	Plastic Limit of Soils (Atterberg Limits)	09/26/2017
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	09/26/2017
T134	Moisture-Density Relations of Soil-Cement Mixtures	09/26/2017
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	09/26/2017
T265	Laboratory Determination of Moisture Content of Soils	09/26/2017
D558	Moisture-Density Relations of Soil-Cement Mixtures	09/26/2017
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	09/26/2017
D1140	Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	07/28/2023
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	09/26/2017
D2216	Laboratory Determination of Moisture Content of Soils	09/26/2017
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	04/21/2020
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	09/26/2017
D4318	Plastic Limit of Soils (Atterberg Limits)	09/26/2017
D6913	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	07/28/2023



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Aggregate

Standard:

Accredited Since:

T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	04/21/2020
T27	Sieve Analysis of Fine and Coarse Aggregates	04/21/2020
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	04/21/2020
C136	Sieve Analysis of Fine and Coarse Aggregates	04/21/2020



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Concrete

Standard:		Accredited Since:
C31 (Beams)	Making and Curing Concrete Beam Test Specimens in the Field	07/15/2022
C31 (Cylinders)	Making and Curing Concrete Cylinder Test Specimens in the Field	07/15/2022
C39	Compressive Strength of Cylindrical Concrete Specimens	06/17/2016
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	06/17/2016
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	07/15/2022
C138	Density (Unit Weight), Yield, and Air Content of Concrete	06/17/2016
C143	Slump of Hydraulic Cement Concrete	06/17/2016
C172	Sampling Freshly Mixed Concrete	06/17/2016
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	06/17/2016
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	06/17/2016
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/17/2016
C1064	Temperature of Freshly Mixed Portland Cement Concrete	06/17/2016
C1231 (10000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	07/15/2022
C1542	Measuring Length of Concrete Cores	06/17/2016