



CERTIFICATE OF ACCREDITATION



Beyond Engineering and Testing, LLC.

in

Midland, Texas, 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 'Moe Jamshidi', written over a horizontal line.

Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 12/05/2023 at 12:00 AM 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	03/01/2011
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	11/29/2016
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	03/16/2016
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	06/25/2021
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	06/25/2021
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	11/29/2016
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/25/2021
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/25/2021
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/25/2021



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Asphalt Mixture

Standard:

Accredited Since:

D2041 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	06/25/2021
D2726 Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	06/25/2021
D2950 Density of Bituminous Concrete In Place by Nuclear Methods	06/25/2021
D3203 Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	06/25/2021
D5444 Mechanical Analysis of Extracted Aggregate	06/25/2021
D6307 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	06/25/2021
D6390 Draindown Characteristics of HMA	06/25/2021
D6752 Bulk Specific Gravity of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method	Suspended
D6925 Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	06/25/2021



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Soil

Standard:

Accredited Since:

D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/25/2021
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/01/2011
D1140 Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	03/01/2011
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	03/01/2011
D2216 Laboratory Determination of Moisture Content of Soils	03/01/2011
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	03/01/2011
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	03/01/2011
D4318 Plastic Limit of Soils (Atterberg Limits)	10/14/2016



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Aggregate

Standard:

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C29	Bulk Density ("Unit Weight") and Voids in Aggregate	03/01/2011
C40	Organic Impurities in Fine Aggregates for Concrete	06/25/2021
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	04/07/2015
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	03/01/2011
C127	Specific Gravity and Absorption of Coarse Aggregate	03/01/2011
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	03/01/2011
C136	Sieve Analysis of Fine and Coarse Aggregates	03/01/2011
C702	Reducing Samples of Aggregate to Testing Size	04/01/2019
D75	Sampling Aggregate	06/25/2021
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	06/25/2021



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Concrete

Standard:		Accredited Since:
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	03/16/2016
C39	Compressive Strength of Cylindrical Concrete Specimens	03/16/2016
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	04/06/2021
C138	Density (Unit Weight), Yield, and Air Content of Concrete	07/09/2013
C143	Slump of Hydraulic Cement Concrete	07/09/2013
C172	Sampling Freshly Mixed Concrete	07/09/2013
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	05/25/2021
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	07/09/2013
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	03/16/2016
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	04/06/2021
C1064	Temperature of Freshly Mixed Portland Cement Concrete	07/09/2013
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	07/09/2013
C1542	Measuring Length of Concrete Cores	04/06/2021