



CERTIFICATE OF ACCREDITATION



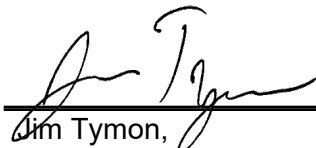
Hillis-Carnes Engineering Associates, Inc.

in

Frederick, Maryland, 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:

Hillis-Carnes Engineering Associates, Inc.

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Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	06/01/2000
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	05/12/2015
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	01/10/2011
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	11/19/2019
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011



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Asphalt Mixture

Standard:

Accredited Since:

T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	09/14/2023
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	10/29/2012
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	10/29/2012
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	09/14/2023
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	09/14/2023
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	01/12/2009
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	09/14/2023
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	01/12/2009
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	01/12/2009
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	09/14/2023



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Soil

Standard:

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R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	02/01/2001
T88	Particle Size Analysis of Soils by Hydrometer	02/01/2001
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	02/01/2001
T90	Plastic Limit of Soils (Atterberg Limits)	02/01/2001
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/01/2001
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/01/2001
T193	The California Bearing Ratio	05/06/2020
T265	Laboratory Determination of Moisture Content of Soils	02/01/2001
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	02/01/2001
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	02/01/2001
D422	Particle Size Analysis of Soils by Hydrometer	02/01/2001
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/01/2001
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	02/01/2001
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/01/2001
D1883	The California Bearing Ratio	05/06/2020
D2216	Laboratory Determination of Moisture Content of Soils	02/01/2001
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	02/01/2001
D4318	Plastic Limit of Soils (Atterberg Limits)	02/01/2001
D5334	Determination of Thermal Conductivity of Soil and Rock by Thermal Needle Probe	02/02/2026
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	02/01/2001



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Aggregate

Standard:

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R76 Reducing Samples of Aggregate to Testing Size	10/29/2012
T11 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	10/29/2012
T27 Sieve Analysis of Fine and Coarse Aggregates	10/29/2012
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	10/29/2012
T85 Specific Gravity and Absorption of Coarse Aggregate	10/29/2012
T255 Total Moisture Content of Aggregate by Drying	10/29/2012
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	02/01/2001
C127 Specific Gravity and Absorption of Coarse Aggregate	02/01/2001
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/01/2001
C136 Sieve Analysis of Fine and Coarse Aggregates	02/01/2001
C566 Total Moisture Content of Aggregate by Drying	02/01/2001
C702 Reducing Samples of Aggregate to Testing Size	02/01/2001



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Concrete

Standard:

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C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	11/19/2019
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	11/19/2019
C39	Compressive Strength of Cylindrical Concrete Specimens	06/01/2000
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	06/01/2000
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	11/19/2019
C138	Density (Unit Weight), Yield, and Air Content of Concrete	06/01/2000
C143	Slump of Hydraulic Cement Concrete	06/01/2000
C172	Sampling Freshly Mixed Concrete	06/01/2000
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	06/01/2000
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	06/01/2000
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	02/05/2013
C617 (10000 psi and below)	Capping Cylindrical Concrete Specimens	12/23/2025
C1064	Temperature of Freshly Mixed Portland Cement Concrete	06/01/2000
C1202	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	06/01/2000
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	02/05/2013
C1542	Measuring Length of Concrete Cores	05/12/2015



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Masonry

Standard:

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C140 (Reduced-Size Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	12/23/2025
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	02/05/2013
C1019	Sampling and Testing Grout	05/13/2010
C1314 (Prisms Constructed of Reduced-Size Concrete Masonry Units)	Compressive Strength of Masonry Prisms	12/23/2025
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	05/13/2010