



CERTIFICATE OF ACCREDITATION



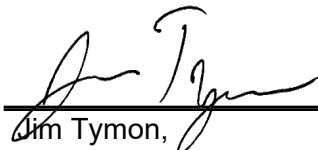
Birmingham Engineering & Construction Consultants, Inc.

in

Birmingham, Alabama, 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:

Birmingham Engineering & Construction Consultants, Inc.

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Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	06/15/2002
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	07/22/2026
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	04/25/2016
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	05/20/2016
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/22/2026
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/25/2016
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/08/2012
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/20/2016



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Asphalt Mixture

Standard:

Accredited Since:

R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	07/02/2004
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	07/02/2004
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	07/02/2004
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	07/02/2004
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	07/02/2004
T355	Density of Bituminous Concrete In Place by Nuclear Methods	08/07/2018
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	03/01/2013
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/01/2013
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	04/16/2015
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/01/2013
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	06/11/2021
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	03/01/2013
D6927	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	03/01/2013



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	10/31/2011
T88	Particle Size Analysis of Soils by Hydrometer	04/16/2015
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	10/31/2011
T90	Plastic Limit of Soils (Atterberg Limits)	10/31/2011
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	10/31/2011
T100	Specific Gravity of Soils	08/29/2024
T134	Moisture-Density Relations of Soil-Cement Mixtures	06/11/2021
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	10/31/2011
T193	The California Bearing Ratio	10/31/2011
T265	Laboratory Determination of Moisture Content of Soils	10/31/2011
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	10/31/2011
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/01/2010
D422	Particle Size Analysis of Soils by Hydrometer	04/16/2015
D558	Moisture-Density Relations of Soil-Cement Mixtures	06/11/2021
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/01/2010
D854	Specific Gravity of Soils	04/16/2015
D1140	Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	06/01/2010
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	10/31/2011
D1883	The California Bearing Ratio	06/01/2010
D2216	Laboratory Determination of Moisture Content of Soils	06/01/2010
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	06/01/2010
D2488	Description and Identification of Soils (Visual-Manual Procedure)	06/01/2010
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	06/01/2010



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Soil (Continued)

Standard:

Accredited Since:

D4318 Plastic Limit of Soils (Atterberg Limits)

06/01/2010

D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)

06/01/2010



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Aggregate

Standard:

Accredited Since:

R76 Reducing Samples of Aggregate to Testing Size	07/22/2026
T11 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	07/22/2026
T21 Organic Impurities in Fine Aggregates for Concrete	07/22/2026
T27 Sieve Analysis of Fine and Coarse Aggregates	07/22/2026
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	07/22/2026
T85 Specific Gravity and Absorption of Coarse Aggregate	07/22/2026
T255 Total Moisture Content of Aggregate by Drying	07/22/2026
C40 Organic Impurities in Fine Aggregates for Concrete	06/15/2002
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	07/22/2015
C127 Specific Gravity and Absorption of Coarse Aggregate	06/15/2002
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	06/15/2002
C136 Sieve Analysis of Fine and Coarse Aggregates	07/22/2026
C566 Total Moisture Content of Aggregate by Drying	06/15/2002
C702 Reducing Samples of Aggregate to Testing Size	06/15/2002



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Concrete

Standard:		Accredited Since:
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	06/15/2002
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	06/15/2002
C39	Compressive Strength of Cylindrical Concrete Specimens	06/15/2002
C42 (Drilling Cores of Concrete)	Drilling Cores of Concrete	07/22/2026
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	01/18/2013
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	01/18/2013
C138	Density (Unit Weight), Yield, and Air Content of Concrete	06/15/2002
C143	Slump of Hydraulic Cement Concrete	06/15/2002
C172	Sampling Freshly Mixed Concrete	06/15/2002
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	06/15/2002
C192	Making and Curing Concrete Test Specimens in the Laboratory	01/18/2013
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	06/15/2002
C495	Compressive Strength of Lightweight Insulating Concrete	07/22/2015
C496	Splitting Tensile Strength of Cylindrical Concrete Specimens	07/22/2015
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/08/2012
C567	Determining Density of Structural Lightweight Concrete	07/22/2015
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	09/11/2024
C1040	In-Place Density of Unhardened and Hardened Concrete, Including Roller Compacted Concrete, By Nuclear Methods	04/25/2016
C1064	Temperature of Freshly Mixed Portland Cement Concrete	06/15/2002
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	06/08/2012
C1542	Measuring Length of Concrete Cores	01/31/2018



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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	01/18/2013
C780 (Annex 1)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	01/13/2020
C780 (Annex 6 - Cubes)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cubes	01/18/2013
C1019	Sampling and Testing Grout	01/18/2013