



CERTIFICATE OF ACCREDITATION



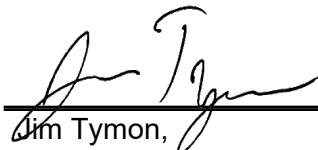
Balanced Engineering LLC

in

Arvada, Colorado, 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

This certificate was generated on 10/27/2026 at 2:12 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



SCOPE OF AASHTO ACCREDITATION FOR:

Balanced Engineering LLC

in Arvada, Colorado, USA

Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	05/12/2025
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	04/06/2026
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	03/17/2026
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	05/12/2025
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	05/12/2025
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	05/12/2025
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/12/2025
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/12/2025
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	03/17/2026
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/12/2025



SCOPE OF AASHTO ACCREDITATION FOR:

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Asphalt Mixture

Standard:

Accredited Since:

R30	Mixture Conditioning of Hot Mix Asphalt (HMA)	05/12/2025
R35	Superpave Volumetric Design for Hot Mix Asphalt (HMA)	05/12/2025
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	05/12/2025
R97	Sampling Bituminous Paving Mixtures	05/12/2025
T30	Mechanical Analysis of Extracted Aggregate	05/12/2025
T164	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	05/12/2025
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	05/12/2025
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/12/2025
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	05/12/2025
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	05/12/2025
T305	Draindown Characteristics of HMA	05/12/2025
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/12/2025
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	05/12/2025
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	05/12/2025
T355	Density of Bituminous Concrete In Place by Nuclear Methods	05/12/2025
D979	Sampling Bituminous Paving Mixtures	05/12/2025
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/12/2025
D2172	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	05/12/2025
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	05/12/2025
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	05/12/2025
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	05/12/2025
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	05/12/2025
D3665	Random Sampling of Construction Materials	05/12/2025



SCOPE OF AASHTO ACCREDITATION FOR:

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Asphalt Mixture (Continued)

Standard:

Accredited Since:

D4867	Resistance of Compacted Mixtures to Moisture Induced Damage	05/12/2025
D5444	Mechanical Analysis of Extracted Aggregate	05/12/2025
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/12/2025
D6390	Draindown Characteristics of HMA	05/12/2025
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	05/12/2025
CP-L 5106	Resistance to Deformation by Hveem Apparatus (Colorado)	05/12/2025
CP-L 5115	HMA Superpave Gyratory Compactor (Colorado)	05/12/2025



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	05/12/2025
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	05/12/2025
T90	Plastic Limit of Soils (Atterberg Limits)	05/12/2025
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	05/12/2025
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	05/12/2025
T265	Laboratory Determination of Moisture Content of Soils	05/12/2025
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	05/12/2025
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	05/12/2025
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	05/12/2025
D2216	Laboratory Determination of Moisture Content of Soils	05/12/2025
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	05/12/2025
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	05/12/2025
D4318	Plastic Limit of Soils (Atterberg Limits)	05/12/2025
D4718	Oversize Particle Correction	05/12/2025
D8167	In-Place Bulk Density of Soil and Soil-Aggregate by a Low-Activity Nuclear Method (Shallow Depth)	05/12/2025



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Aggregate

Standard:

Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	05/12/2025
R90	Sampling Aggregate	05/12/2025
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	05/12/2025
T27	Sieve Analysis of Fine and Coarse Aggregates	05/12/2025
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	05/12/2025
T85	Specific Gravity and Absorption of Coarse Aggregate	05/12/2025
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	05/12/2025
T100 (Mineral Filler)	Specific Gravity of Mineral Filler on Asphalt Mixture Designs	05/12/2025
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	05/12/2025
T255	Total Moisture Content of Aggregate by Drying	05/12/2025
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	05/12/2025
T327	Resistance to Abrasion by Micro-Deval (Coarse Aggregate)	05/12/2025
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	05/12/2025
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	05/12/2025
C127	Specific Gravity and Absorption of Coarse Aggregate	05/12/2025
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	05/12/2025
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	05/12/2025
C136	Sieve Analysis of Fine and Coarse Aggregates	05/12/2025
C566	Total Moisture Content of Aggregate by Drying	05/12/2025
C702	Reducing Samples of Aggregate to Testing Size	05/12/2025
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	05/12/2025
D75	Sampling Aggregate	05/12/2025
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	05/12/2025



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Aggregate (Continued)

Standard:

Accredited Since:

D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	05/12/2025
D6928	Resistance to Abrasion by Micro-Deval (Coarse Aggregate)	05/12/2025



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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	03/17/2026
R39	Making and Curing Concrete Test Specimens in the Laboratory	03/17/2026
R60	Sampling Freshly Mixed Concrete	03/17/2026
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	03/17/2026
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	03/17/2026
R115	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	03/17/2026
T22	Compressive Strength of Cylindrical Concrete Specimens	03/17/2026
T24 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	03/17/2026
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	03/17/2026
T119	Slump of Hydraulic Cement Concrete	03/17/2026
T121	Density (Unit Weight), Yield, and Air Content of Concrete	03/17/2026
T148	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	03/17/2026
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	03/17/2026
T160	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	03/17/2026
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	03/17/2026
T231 (6000 psi and below)	Capping Cylindrical Concrete Specimens	03/17/2026
T303	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	03/17/2026
T309	Temperature of Freshly Mixed Portland Cement Concrete	03/17/2026
T325	Estimating Concrete Strength by the Maturity Method	03/17/2026
T358	Surface Resistivity Indication of Concrete's Ability to Resist Chloride Ion Penetration	03/17/2026
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	03/17/2026
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	03/17/2026
C39	Compressive Strength of Cylindrical Concrete Specimens	03/17/2026



SCOPE OF AASHTO ACCREDITATION FOR:

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Concrete (Continued)

Standard:		Accredited Since:
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	03/17/2026
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	03/17/2026
C138	Density (Unit Weight), Yield, and Air Content of Concrete	03/17/2026
C143	Slump of Hydraulic Cement Concrete	03/17/2026
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	03/17/2026
C172	Sampling Freshly Mixed Concrete	03/17/2026
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	03/17/2026
C174	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	03/17/2026
C192	Making and Curing Concrete Test Specimens in the Laboratory	03/17/2026
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	03/17/2026
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	03/17/2026
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	03/17/2026
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	03/17/2026
C642	Density, Absorption, and Voids in Hardened Concrete	03/17/2026
C1064	Temperature of Freshly Mixed Portland Cement Concrete	03/17/2026
C1074	Estimating Concrete Strength by the Maturity Method	03/17/2026
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	03/17/2026
C1260	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	03/17/2026
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	03/17/2026



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Controlled Low Strength Material (CLSM)

Standard:

Accredited Since:

D4832 Preparation and Testing of Controlled Low Strength Material (CLSM) Test Cylinders

03/17/2026

D5971 Sampling Freshly Mixed Controlled Low-Strength Material (CLSM)

03/17/2026