



**AASHTO**  
ACCREDITED

# CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION  
OF STATE HIGHWAY AND  
TRANSPORTATION OFFICIALS

**AASHTO**

## Quality Assurance Engineering, Inc dba Consolidated Engineering Laboratories

in

### Oakland, California, 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](http://aashtoresource.org)).



Jim Tymon,  
AASHTO Executive Director



Matt Linneman,  
AASHTO COMP Chair

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# 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	09/01/1995
ISO/IEC 17025	General Requirements for the Competence of Testing and Calibration Laboratories	10/11/2019
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	03/01/2012
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	02/04/2014
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	01/31/2011
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	03/01/2012
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	06/27/2014
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	04/15/2015
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	03/01/2012
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/27/2014
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/04/2014
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/18/2022
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/15/2015
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/15/2015



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## Asphalt Mixture

Standard:		Accredited Since:
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	02/10/2023
D1560 (Stability)	Resistance to Deformation of Bituminous Mixtures by Means of Hveem Apparatus	07/01/2000
D1561	Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	07/01/2000
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	07/01/2000
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	07/01/2000
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	01/29/2013
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	07/01/2000
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	01/11/2021
D5444	Mechanical Analysis of Extracted Aggregate	04/04/2011
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	07/01/2000
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	07/01/2000
D6927	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	07/01/2000



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## Soil

### Standard:

### Accredited Since:

D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	10/01/2004
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/16/2012
D1140 Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve	10/01/2004
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/16/2012
D2216 Laboratory Determination of Moisture Content of Soils	10/01/2004
D2844 Resistance R-Value and Expansion Pressure of Compacted Soils	10/01/2004
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	10/01/2004
D4318 Plastic Limit of Soils (Atterberg Limits)	10/01/2004
D4718 Oversize Particle Correction	04/15/2015
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/29/2013



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## Aggregate

Standard:	Accredited Since:
C29 Bulk Density ("Unit Weight") and Voids in Aggregate	01/29/2013
C117 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	02/01/2000
C127 Specific Gravity and Absorption of Coarse Aggregate	02/01/2000
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/01/2000
C131 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	02/01/2000
C136 Sieve Analysis of Fine and Coarse Aggregates	02/01/2000
C535 Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	04/15/2015
C566 Total Moisture Content of Aggregate by Drying	02/01/2000
C702 Reducing Samples of Aggregate to Testing Size	02/01/2000
D75 Sampling Aggregate	04/15/2015
D2419 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	02/01/2000
D3744 Aggregate Durability Index	01/13/2023



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## Sprayed Fire-Resistive Material

**Standard:**

**Accredited Since:**

E605 Thickness and Density of Sprayed Fire-Resistive Material(SFRM) Applied to Structural Members

01/29/2013

E736 Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members

01/29/2013



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## Iron and Steel

<b>Standard:</b>	<b>Accredited Since:</b>
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	03/24/2016
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	03/24/2016
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	03/24/2016
A615-E290 Carbon-Steel Bars, Deformed and Plain: Bend Test	05/02/2007
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation)	03/24/2016
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	03/24/2016
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength)	03/24/2016
A706-E290 Low Alloy Steel Bars, Deformed and Plain: Bend Test	03/24/2016



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**Concrete**

<b>Standard:</b>		<b>Accredited Since:</b>
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	02/04/2014
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	02/04/2014
C39	Compressive Strength of Cylindrical Concrete Specimens	09/01/1995
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	06/21/2022
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	02/04/2014
C138	Density (Unit Weight), Yield, and Air Content of Concrete	09/01/1995
C143	Slump of Hydraulic Cement Concrete	09/01/1995
C172	Sampling Freshly Mixed Concrete	09/01/1995
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	09/01/1995
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	09/01/1995
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	02/04/2014
C617 (10000 psi and below)	Capping Cylindrical Concrete Specimens	05/21/2025
C1064	Temperature of Freshly Mixed Portland Cement Concrete	09/01/1995
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	01/31/2011
C1542	Measuring Length of Concrete Cores	06/21/2022



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## Masonry

**Standard:**

**Accredited Since:**

C140 (Reduced-Size Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	07/15/2025
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	02/04/2014
C780 (Annex 1)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	05/21/2025
C780 (Annex 6 - Cubes)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cubes	05/21/2025
C780 (Annex 6 - Cylinders)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cylinders	05/21/2025
C1019	Sampling and Testing Grout	01/31/2011
C1314 (Prisms Constructed of Reduced-Size Concrete Masonry Units)	Compressive Strength of Masonry Prisms	07/15/2025
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	01/31/2011