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).

Jim Tymon,
*AASHTO Executive Director*

Matt Linneman,
*AASHTO COMP Chair*

This certificate was generated on 04/28/2026 at 7:05 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

# Scope of AASHTO Accreditation for:

Quality Assurance Engineering, Inc dba Consolidated Engineering Laboratories

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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-µm) 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-µm (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 MaterialsApplied to Structural Members | 01/29/2013 |

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## Iron and Steel

| Standard: | Accredited Since: |
|---|---|
| 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

| Standard: | | Accredited Since: |
|---|---|---|
| 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 |