



# CERTIFICATE OF ACCREDITATION



**Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.**

in

**Astoria, New York, 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)).



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Jim Tymon,  
AASHTO Executive Director



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Matt Linneman  
AASHTO COMP Chair



# 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	11/30/2010
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	02/17/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	09/09/2011
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	12/10/2012
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	12/10/2012
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	02/17/2011
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/17/2011
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	12/10/2012
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	09/09/2011
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/17/2011
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	12/10/2012



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### Asphalt Mixture

**Standard:****Accredited Since:**

D979 Sampling Bituminous Paving Mixtures	11/22/2017
D2950 Density of Bituminous Concrete In Place by Nuclear Methods	08/14/2023
D5444 Mechanical Analysis of Extracted Aggregate	09/15/2011
D6307 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	12/10/2012



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## Soil

**Standard:****Accredited Since:**

T311 Grain-Size Analysis of Granular Soil Materials	12/10/2012
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/17/2011
D1140 Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve	02/17/2011
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/17/2011
D2216 Laboratory Determination of Moisture Content of Soils	02/17/2011
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	02/17/2011
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	08/07/2015
D4318 Plastic Limit of Soils (Atterberg Limits)	08/07/2015
D4972 pH Testing of Soils	08/14/2023
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	12/10/2012
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	02/17/2011



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### Aggregate

**Standard:****Accredited Since:**

C40 Organic Impurities in Fine Aggregates for Concrete	02/17/2011
C117 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	02/17/2011
C127 Specific Gravity and Absorption of Coarse Aggregate	02/17/2011
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/17/2011
C136 Sieve Analysis of Fine and Coarse Aggregates	02/17/2011
C566 Total Moisture Content of Aggregate by Drying	12/10/2012
C702 Reducing Samples of Aggregate to Testing Size	02/17/2011
D75 Sampling Aggregate	12/10/2012



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### Sprayed Fire-Resistive Material

#### Standard:

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

#### Accredited Since:

02/17/2011

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

02/17/2011



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## Concrete

### Standard:

### Accredited Since:

C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	11/30/2010
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	11/30/2010
C39	Compressive Strength of Cylindrical Concrete Specimens	11/30/2010
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	11/30/2010
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	11/30/2010
C138	Density (Unit Weight), Yield, and Air Content of Concrete	11/30/2010
C143	Slump of Hydraulic Cement Concrete	11/30/2010
C172	Sampling Freshly Mixed Concrete	11/30/2010
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	11/30/2010
C174	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	11/30/2010
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	11/30/2010
C496	Splitting Tensile Strength of Cylindrical Concrete Specimens	11/30/2010
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	02/26/2014
C617 (9000 psi and below)	Capping Cylindrical Concrete Specimens	01/10/2019
C1064	Temperature of Freshly Mixed Portland Cement Concrete	11/30/2010
C1202	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	02/26/2014
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	01/10/2019



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## Masonry

### Standard:

### Accredited Since:

C67	Brick: Capping	09/09/2011
C67	Brick: Compressive Strength	09/09/2011
C67	Brick: Measurement	09/09/2011
C67	Brick: Specimen Preparation	09/09/2011
C140 (Reduced-Size Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	08/07/2025
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/13/2016
C780 (Annex 1)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	01/10/2019
C780 (Annex 6 - Cubes)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cubes	09/13/2016
C780 (Annex 6 - Cylinders)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cylinders	09/09/2011
C1019	Sampling and Testing Grout	09/09/2011
C1314 (Prisms Constructed of Reduced-Size Concrete Masonry Units)	Compressive Strength of Masonry Prisms	08/07/2025
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	09/09/2011