



CERTIFICATE OF ACCREDITATION



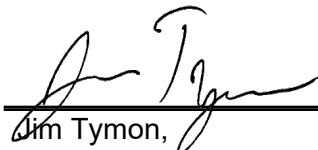
ECS Mid-Atlantic, LLC - an Engineering Consulting Services, Ltd. company

in

Chesapeake, Virginia, 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 3:27 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



SCOPE OF AASHTO ACCREDITATION FOR:

ECS Mid-Atlantic, LLC - an Engineering Consulting Services, Ltd. company
in Chesapeake, Virginia, USA

Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	08/11/2009
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	11/20/2024
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	03/29/2018
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/29/2024
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	01/10/2011
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	11/20/2024
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/29/2020
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/02/2019
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/02/2019



SCOPE OF AASHTO ACCREDITATION FOR:

ECS Mid-Atlantic, LLC - an Engineering Consulting Services, Ltd. company
in Chesapeake, Virginia, USA

Asphalt Mixture

Standard:

Accredited Since:

T166 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	05/31/2018
T355	Density of Bituminous Concrete In Place by Nuclear Methods	07/06/2020
D2726 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	05/31/2018
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	07/06/2020



SCOPE OF AASHTO ACCREDITATION FOR:

ECS Mid-Atlantic, LLC - an Engineering Consulting Services, Ltd. company
in Chesapeake, Virginia, USA

Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	08/11/2009
R74	Wet Preparation of Disturbed Soil Samples for Test	05/31/2018
T88	Particle Size Analysis of Soils by Hydrometer	08/11/2009
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	08/11/2009
T90	Plastic Limit of Soils (Atterberg Limits)	08/11/2009
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	08/11/2009
T100	Specific Gravity of Soils	08/11/2009
T134	Moisture-Density Relations of Soil-Cement Mixtures	01/20/2016
T135	Wetting-and-Drying Test of Compacted Soil-Cement Mixtures	01/29/2024
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	08/11/2009
T193	The California Bearing Ratio	08/11/2009
T208	Unconfined Compressive Strength of Cohesive Soil	01/20/2016
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	05/31/2018
T265	Laboratory Determination of Moisture Content of Soils	08/11/2009
T288	Minimum Soil Resistivity	05/31/2018
T289	pH of Soils for Corrosion Testing	05/31/2018
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	08/11/2009
T311	Grain-Size Analysis of Granular Soil Materials	01/29/2024
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	08/11/2009
D422	Particle Size Analysis of Soils by Hydrometer	08/11/2009
D558	Moisture-Density Relations of Soil-Cement Mixtures	01/20/2016
D559	Wetting-and-Drying Test of Compacted Soil-Cement Mixtures	01/29/2024
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	08/11/2009



SCOPE OF AASHTO ACCREDITATION FOR:

ECS Mid-Atlantic, LLC - an Engineering Consulting Services, Ltd. company
in Chesapeake, Virginia, USA

Soil (Continued)

Standard:	Accredited Since:
D854 Specific Gravity of Soils	01/20/2016
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	08/11/2009
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	08/11/2009
D1633 Compressive Strength of Molded Soil-Cement Cylinders	01/29/2024
D1883 The California Bearing Ratio	08/11/2009
D2166 Unconfined Compressive Strength of Cohesive Soil	01/20/2016
D2216 Laboratory Determination of Moisture Content of Soils	08/11/2009
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	05/31/2018
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	08/11/2009
D2488 Description and Identification of Soils (Visual-Manual Procedure)	08/11/2009
D4254 Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density	05/31/2018
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	08/11/2009
D4318 Plastic Limit of Soils (Atterberg Limits)	08/11/2009
D4546 One-Dimensional Swell or Settlement Potential of Cohesive Soils	05/31/2018
D4718 Oversize Particle Correction	07/06/2020
D4829 Expansion Index of Soils	07/06/2020
D4972 pH Testing of Soils	05/31/2018
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	01/20/2016
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	08/11/2009
D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	05/31/2018
G51 Measuring pH for Corrosion Testing	05/31/2018
G57 Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	05/31/2018
G187 Soil Resistivity Using the Two-Electrode Soil Box	05/31/2018



SCOPE OF AASHTO ACCREDITATION FOR:

ECS Mid-Atlantic, LLC - an Engineering Consulting Services, Ltd. company
in Chesapeake, Virginia, USA

Aggregate

Standard:	Accredited Since:
R76 Reducing Samples of Aggregate to Testing Size	08/11/2009
R90 Sampling Aggregate	05/31/2018
T11 Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	08/11/2009
T19 Bulk Density ("Unit Weight") and Voids in Aggregate	02/16/2018
T21 Organic Impurities in Fine Aggregates for Concrete	02/16/2018
T27 Sieve Analysis of Fine and Coarse Aggregates	11/20/2024
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	08/11/2009
T85 Specific Gravity and Absorption of Coarse Aggregate	08/11/2009
T112 Clay Lumps and Friable Particles in Aggregate	07/06/2020
T255 Total Moisture Content of Aggregate by Drying	08/11/2009
C29 Bulk Density ("Unit Weight") and Voids in Aggregate	02/16/2018
C40 Organic Impurities in Fine Aggregates for Concrete	08/11/2009
C117 Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	08/11/2009
C127 Specific Gravity and Absorption of Coarse Aggregate	08/11/2009
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	08/11/2009
C136 Sieve Analysis of Fine and Coarse Aggregates	11/20/2024
C142 Clay Lumps and Friable Particles in Aggregate	07/06/2020
C566 Total Moisture Content of Aggregate by Drying	08/11/2009
C702 Reducing Samples of Aggregate to Testing Size	08/11/2009
D75 Sampling Aggregate	05/31/2018
D4791 Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	05/29/2020



SCOPE OF AASHTO ACCREDITATION FOR:

ECS Mid-Atlantic, LLC - an Engineering Consulting Services, Ltd. company
in Chesapeake, Virginia, USA

Sprayed Fire-Resistive Material

Standard:

Accredited Since:

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

05/31/2018

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

05/31/2018



SCOPE OF AASHTO ACCREDITATION FOR:

ECS Mid-Atlantic, LLC - an Engineering Consulting Services, Ltd. company
in Chesapeake, Virginia, USA

Concrete

Standard:

Accredited Since:

M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	02/16/2018
R39	Making and Curing Concrete Test Specimens in the Laboratory	02/16/2018
R60	Sampling Freshly Mixed Concrete	02/16/2018
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	02/16/2018
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	02/16/2018
R115	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	10/15/2026
T22	Compressive Strength of Cylindrical Concrete Specimens	02/16/2018
T24 (Drilling Cores of Concrete)	Drilling Cores of Concrete	02/16/2018
T24 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	02/16/2018
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	02/16/2018
T119	Slump of Hydraulic Cement Concrete	02/16/2018
T121	Density (Unit Weight), Yield, and Air Content of Concrete	02/16/2018
T148	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	02/16/2018
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	02/16/2018
T160	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	02/16/2018
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/16/2018
T198	Splitting Tensile Strength of Cylindrical Concrete Specimens	11/21/2018
T231 (5000 psi and below)	Capping Cylindrical Concrete Specimens	10/15/2026
T277	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	02/16/2018
T309	Temperature of Freshly Mixed Portland Cement Concrete	02/16/2018
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	02/16/2018
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	02/16/2018
C39	Compressive Strength of Cylindrical Concrete Specimens	10/29/2015



SCOPE OF AASHTO ACCREDITATION FOR:

ECS Mid-Atlantic, LLC - an Engineering Consulting Services, Ltd. company
in Chesapeake, Virginia, USA

Concrete (Continued)

Standard:		Accredited Since:
C42 (Drilling Cores of Concrete)	Drilling Cores of Concrete	02/16/2018
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	02/16/2018
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	02/16/2018
C138	Density (Unit Weight), Yield, and Air Content of Concrete	01/26/2016
C143	Slump of Hydraulic Cement Concrete	10/29/2015
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	02/16/2018
C172	Sampling Freshly Mixed Concrete	01/26/2016
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	10/29/2015
C174	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	02/16/2018
C192	Making and Curing Concrete Test Specimens in the Laboratory	02/16/2018
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	10/29/2015
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	10/15/2026
C496	Splitting Tensile Strength of Cylindrical Concrete Specimens	11/21/2018
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	01/26/2016
C567	Determining Density of Structural Lightweight Concrete	02/16/2018
C617 (5000 psi and below)	Capping Cylindrical Concrete Specimens	10/15/2026
C803	Penetration Resistance of Hardened Concrete	02/16/2018
C805	Rebound Number of Hardened Concrete	02/16/2018
C1064	Temperature of Freshly Mixed Portland Cement Concrete	10/29/2015
C1202	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	02/16/2018
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	10/29/2015
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	10/15/2026
C1610	Static Segregation of Self-Consolidating Concrete Using Column Technique	10/15/2026



SCOPE OF AASHTO ACCREDITATION FOR:

ECS Mid-Atlantic, LLC - an Engineering Consulting Services, Ltd. company
in Chesapeake, Virginia, USA

Concrete (Continued)

Standard:

Accredited Since:

C1611	Slump Flow of Self-Consolidating Concrete	12/20/2023
C1621	Passing Ability of Self-Consolidating Concrete by J-Ring	12/20/2023
C1876	Bulk Electrical Resistivity or Bulk Conductivity of Concrete	12/20/2023