



CERTIFICATE OF ACCREDITATION



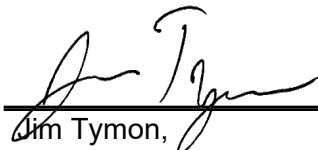
Colliers Engineering & Design, Inc.

in

Mays Landing, New Jersey, 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

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SCOPE OF AASHTO ACCREDITATION FOR:

Colliers Engineering & Design, Inc.

in Mays Landing, New Jersey, USA

Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	03/15/1991
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	04/02/2013
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	10/07/2019
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	03/01/2011
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	03/01/2011
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	06/24/2020
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/08/2015
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/08/2015
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/07/2019
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/24/2020



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Asphalt Mixture

Standard:

Accredited Since:

T30	Mechanical Analysis of Extracted Aggregate	05/04/2011
T166 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	03/09/2018
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	03/15/1991
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/15/1991
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/04/2011
T355	Density of Bituminous Concrete In Place by Nuclear Methods	02/19/2026
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	03/01/2011
D2726 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	03/09/2018
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	02/19/2026
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/01/2011
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	12/12/2023
D5444	Mechanical Analysis of Extracted Aggregate	05/04/2011
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/04/2011



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	03/01/2011
R74	Wet Preparation of Disturbed Soil Samples for Test	10/08/2015
T88	Particle Size Analysis of Soils by Hydrometer	03/01/2011
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	03/01/2011
T90	Plastic Limit of Soils (Atterberg Limits)	03/01/2011
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/01/2011
T100	Specific Gravity of Soils	03/01/2011
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	03/01/2011
T193	The California Bearing Ratio	03/01/2011
T208	Unconfined Compressive Strength of Cohesive Soil	03/01/2011
T215	Permeability of Granular Soils (Constant Head)	03/01/2011
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	03/01/2011
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	03/01/2011
T265	Laboratory Determination of Moisture Content of Soils	03/01/2011
T267	Determination of Organic Content in Soils by Loss on Ignition	03/01/2011
T288	Minimum Soil Resistivity	03/30/2018
T289	pH of Soils for Corrosion Testing	03/30/2018
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	03/01/2011
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	03/01/2011
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	04/21/2011
T311	Grain-Size Analysis of Granular Soil Materials	03/30/2018
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	12/04/2002
D422	Particle Size Analysis of Soils by Hydrometer	12/04/2002



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Soil (Continued)

Standard:		Accredited Since:
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	12/04/2002
D854	Specific Gravity of Soils	12/04/2002
D1140	Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	12/04/2002
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	12/04/2002
D1883	The California Bearing Ratio	12/04/2002
D2166	Unconfined Compressive Strength of Cohesive Soil	12/04/2002
D2216	Laboratory Determination of Moisture Content of Soils	12/04/2002
D2434	Permeability of Granular Soils (Constant Head)	12/04/2002
D2435	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	12/04/2002
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	12/04/2002
D2488	Description and Identification of Soils (Visual-Manual Procedure)	12/04/2002
D2850	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	12/04/2002
D2974	Determination of Organic Content in Soils by Loss on Ignition	01/11/2013
D3080 (2000 lb/ft-sq or Greater Normal Stress)	Direct Shear Test of Soils Under Consolidated Drained Conditions (with Exceptions)	03/09/2018
D4253	Maximum Index Density and Unit Weight of Soils Using a Vibratory Table	03/30/2018
D4254	Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density	03/30/2018
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	12/04/2002
D4318	Plastic Limit of Soils (Atterberg Limits)	12/04/2002
D4718	Oversize Particle Correction	03/30/2018
D4767	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	12/04/2002
D4972	pH Testing of Soils	01/11/2013
D5084	Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	12/04/2002
D6913	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	03/30/2018



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Soil (Continued)

Standard:		Accredited Since:
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	04/08/2011
D7263	Density and Unit Weight of Soil	02/19/2026
D7928	Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	03/30/2018
G51	Measuring pH for Corrosion Testing	03/30/2018
G57	Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	10/08/2015
G187	Soil Resistivity Using the Two-Electrode Soil Box	Suspended



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Rock

Standard:

Accredited Since:

D3967	Splitting Tensile Strength of Intact Rock Core Specimens	03/30/2018
D4543	Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances	04/22/2026
D5731	Point Load Strength Index of Rock	03/30/2018
D7012 (Method C)	Compressive Strength of Rock Core Specimens (Method C)	04/22/2026



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Aggregate

Standard:

Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	10/08/2015
R90	Sampling Aggregate	01/11/2013
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	03/01/2011
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	03/01/2011
T21	Organic Impurities in Fine Aggregates for Concrete	03/01/2011
T27	Sieve Analysis of Fine and Coarse Aggregates	12/30/2011
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	03/01/2011
T85	Specific Gravity and Absorption of Coarse Aggregate	03/01/2011
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	03/01/2011
T112	Clay Lumps and Friable Particles in Aggregate	06/24/2020
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	08/30/2017
T255	Total Moisture Content of Aggregate by Drying	10/08/2015
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	03/01/2011
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	07/15/2002
C40	Organic Impurities in Fine Aggregates for Concrete	07/15/2002
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	07/15/2002
C127	Specific Gravity and Absorption of Coarse Aggregate	07/15/2002
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	07/15/2002
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	07/15/2002
C136	Sieve Analysis of Fine and Coarse Aggregates	12/30/2011
C142	Clay Lumps and Friable Particles in Aggregate	06/24/2020
C566	Total Moisture Content of Aggregate by Drying	10/08/2015
C702	Reducing Samples of Aggregate to Testing Size	10/08/2015



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Aggregate (Continued)

Standard:

Accredited Since:

C1252 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	07/15/2002
D75 Sampling Aggregate	01/11/2013
D2419 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	08/30/2017
D4791 Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	07/15/2002



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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

03/01/2011

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

10/08/2015



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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	04/09/2014
R39	Making and Curing Concrete Test Specimens in the Laboratory	10/07/2019
R60	Sampling Freshly Mixed Concrete	04/09/2014
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	04/09/2014
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	04/09/2014
T22	Compressive Strength of Cylindrical Concrete Specimens	04/09/2014
T24 (Drilling Cores of Concrete)	Drilling Cores of Concrete	04/09/2014
T24 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	04/09/2014
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	04/09/2014
T119	Slump of Hydraulic Cement Concrete	10/07/2019
T121	Density (Unit Weight), Yield, and Air Content of Concrete	10/07/2019
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	10/25/2022
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	04/09/2014
T198	Splitting Tensile Strength of Cylindrical Concrete Specimens	10/25/2022
T309	Temperature of Freshly Mixed Portland Cement Concrete	04/09/2014
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	07/15/2002
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	07/15/2002
C39	Compressive Strength of Cylindrical Concrete Specimens	07/15/2002
C42 (Drilling Cores of Concrete)	Drilling Cores of Concrete	07/15/2002
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	07/15/2002
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	07/15/2002
C138	Density (Unit Weight), Yield, and Air Content of Concrete	10/07/2019
C143	Slump of Hydraulic Cement Concrete	10/07/2019



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Concrete (Continued)

Standard:		Accredited Since:
C172	Sampling Freshly Mixed Concrete	07/15/2002
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	04/09/2014
C192	Making and Curing Concrete Test Specimens in the Laboratory	07/15/2002
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	10/25/2022
C496	Splitting Tensile Strength of Cylindrical Concrete Specimens	10/25/2022
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/20/2011
C803	Penetration Resistance of Hardened Concrete	10/25/2022
C805	Rebound Number of Hardened Concrete	10/25/2022
C1064	Temperature of Freshly Mixed Portland Cement Concrete	07/15/2002
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	01/21/2026
C1542	Measuring Length of Concrete Cores	10/07/2019