AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AASHTO

Chicago Testing Laboratory, Inc.

in

Warrenville, Illinois, 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

Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 01/25/2024 at 9:46 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

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	10/07/2009
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	08/17/2016
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
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	03/01/2012
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	03/01/2012
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	08/23/2012
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	03/01/2012

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Asphalt Binder

Standard:		Accredited Since:
T49	Penetration of Original Sample of Asphalt Cement	02/19/2014
T202	Viscosity by Vacuum Capillary	02/19/2014
D5	Penetration of Original Sample of Asphalt Cement	02/19/2014
D2171	Viscosity by Vacuum Capillary	02/19/2014

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Asphalt Mixture

Standard:		Accredited Since:
R30	Mixture Conditioning of Hot Mix Asphalt (HMA)	10/27/2021
R35	Superpave Volumetric Design for Hot Mix Asphalt (HMA)	07/21/2016
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	03/01/2012
R59	Recovery of Asphalt from Solution by Abson Method	02/19/2014
T30	Mechanical Analysis of Extracted Aggregate	10/07/2009
T164	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	10/07/2009
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	10/07/2009
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	10/07/2009
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	10/07/2009
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	10/07/2009
T287	Asphalt Content of Bituminous Mixtures by the Nuclear Method	10/07/2009
T305	Draindown Characteristics of HMA	10/27/2021
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	10/07/2009
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	10/07/2009
T324	Hamburg Wheel-Track Testing of Compacted Hot-Mix Asphalt (HMA)	03/01/2012
T331	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method	10/31/2018
T355	Density of Bituminous Concrete In Place by Nuclear Methods	10/31/2018
D1856	Recovery of Asphalt from Solution by Abson Method	02/19/2014
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	10/07/2009
D2172	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	10/07/2009
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	10/07/2009
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	03/01/2012
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	10/07/2009

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Asphalt Mixture (Continued)

Standard:	Accredited Since:
D3549 Thickness or Height of Compacted Bituminous Paving Mixture Specimens	10/27/2021
D4125 Asphalt Content of Bituminous Mixtures by the Nuclear Method	10/07/2009
D4867 Resistance of Compacted Mixtures to Moisture Induced Damage	10/07/2009
D5404 Recovery of Asphalt from Solution Using the Rotavapor Apparatus	10/27/2021
D5444 Mechanical Analysis of Extracted Aggregate	10/07/2009
D6307 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	10/07/2009
D6390 Draindown Characteristics of HMA	10/27/2021
D6752 Bulk Specific Gravity of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method	10/31/2018
D6925 Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	10/07/2009
D8159 Automated Extraction of Asphalt Binder from Asphalt Mixtures	10/27/2021

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	10/07/2009
T88	Particle Size Analysis of Soils by Hydrometer	10/07/2009
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	10/07/2009
T90	Plastic Limit of Soils (Atterberg Limits)	10/07/2009
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	10/07/2009
T100	Specific Gravity of Soils	10/07/2009
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	10/07/2009
T193	The California Bearing Ratio	10/07/2009
T208	Unconfined Compressive Strength of Cohesive Soil	10/07/2009
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	10/07/2009
T265	Laboratory Determination of Moisture Content of Soils	10/07/2009
T267	Determination of Organic Content in Soils by Loss on Ignition	03/01/2012
T289	pH of Soils for Corrosion Testing	02/19/2014
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	10/07/2009
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	10/07/2009
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/01/2012
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	10/07/2009
D422	Particle Size Analysis of Soils by Hydrometer	10/07/2009
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	10/07/2009
D854	Specific Gravity of Soils	10/07/2009
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	10/07/2009
D1883	The California Bearing Ratio	10/07/2009
D2166	Unconfined Compressive Strength of Cohesive Soil	10/07/2009

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Soil (Continued)

Standard:	Accredited Since:
D2216 Laboratory Determination of Moisture Content of Soils	10/07/2009
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	10/07/2009
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	10/07/2009
D2974 Determination of Organic Content in Soils by Loss on Ignition	03/01/2012
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	10/07/2009
D4318 Plastic Limit of Soils (Atterberg Limits)	10/07/2009
D4767 Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	10/07/2009
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/01/2012

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	10/07/2009
R90	Sampling Aggregate	10/31/2018
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	10/07/2009
T19	Bulk Density (“Unit Weight”) and Voids in Aggregate	10/07/2009
T21	Organic Impurities in Fine Aggregates for Concrete	10/07/2009
T27	Sieve Analysis of Fine and Coarse Aggregates	10/07/2009
T37	Sieve Analysis of Mineral Filler for Road and Paving Materials	10/27/2021
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	10/07/2009
T85	Specific Gravity and Absorption of Coarse Aggregate	10/07/2009
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	10/27/2021
T100 (Mineral Filler)	Specific Gravity of Mineral Filler on Asphalt Mixture Designs	10/31/2018
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	03/01/2012
T255	Total Moisture Content of Aggregate by Drying	10/07/2009
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	10/07/2009
T327	Resistance to Abrasion by Micro-Deval (Coarse Aggregate)	10/31/2018
C29	Bulk Density (“Unit Weight”) and Voids in Aggregate	10/07/2009
C40	Organic Impurities in Fine Aggregates for Concrete	10/07/2009
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	10/07/2009
C127	Specific Gravity and Absorption of Coarse Aggregate	10/07/2009
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	10/07/2009
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	10/27/2021
C136	Sieve Analysis of Fine and Coarse Aggregates	10/07/2009
C566	Total Moisture Content of Aggregate by Drying	10/07/2009

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Aggregate (Continued)

Standard:		Accredited Since:
C702	Reducing Samples of Aggregate to Testing Size	10/07/2009
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	10/07/2009
D75	Sampling Aggregate	10/31/2018
D546	Sieve Analysis of Mineral Filler for Road and Paving Materials	10/27/2021
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	03/01/2012
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	10/07/2009
D6928	Resistance to Abrasion by Micro-Deval (Coarse Aggregate)	10/31/2018

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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	07/28/2017
R60	Sampling Freshly Mixed Concrete	07/28/2017
R100	Making and Curing Concrete Test Specimens in the Field	07/28/2017
T22	Compressive Strength of Cylindrical Concrete Specimens	07/28/2017
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	07/28/2017
T119	Slump of Hydraulic Cement Concrete	07/28/2017
T121	Density (Unit Weight), Yield, and Air Content of Concrete	07/28/2017
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	07/28/2017
T177	Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading)	07/28/2017
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	07/28/2017
T231 (8000 psi and below)	Capping Cylindrical Concrete Specimens	07/20/2023
T309	Temperature of Freshly Mixed Portland Cement Concrete	07/28/2017
C31	Making and Curing Concrete Test Specimens in the Field	08/23/2012
C39	Compressive Strength of Cylindrical Concrete Specimens	10/07/2009
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	08/23/2012
C138	Density (Unit Weight), Yield, and Air Content of Concrete	10/07/2009
C143	Slump of Hydraulic Cement Concrete	10/07/2009
C172	Sampling Freshly Mixed Concrete	10/07/2009
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	10/07/2009
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	10/07/2009
C293	Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading)	08/23/2012
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/23/2012
C617 (8000 psi and below)	Capping Cylindrical Concrete Specimens	07/20/2023

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Concrete (Continued)

Standard:		Accredited Since:
C1064	Temperature of Freshly Mixed Portland Cement Concrete	10/07/2009
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	08/23/2012