



CERTIFICATE OF ACCREDITATION



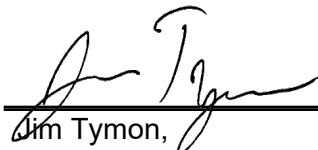
Kentucky Transportation Cabinet

in

Frankfort, Kentucky, 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:

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Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	01/15/1994
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	05/09/2013
C1222 (Cement)	Evaluation of Laboratories Testing Hydraulic Cement	01/10/2011



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Asphalt Binder

Standard:

Accredited Since:

R28 Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel	05/15/1994
T48 Flash Point by Cleveland Open Cup	05/15/1994
T49 Penetration of Original Sample of Asphalt Cement	05/15/1994
T50 Float Test for Bituminous Materials	05/15/1994
T51 Ductility of Bituminous Materials	05/15/1994
T53 Softening Point of Bitumen (Ring-and-Ball Apparatus)	05/15/1994
T78 Distillation of Cut-Back Asphaltic (Bituminous) Products	06/26/2026
T240 Rolling Thin-Film Oven Testing	05/15/1994
T301 Elastic Recovery Test of Bituminous Materials by Means of a Ductilometer	05/15/1994
T313 Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	05/15/1994
T315 Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	02/26/2024
T316 Viscosity Determination of Asphalt Binder Using Rotational Viscometer	06/26/2026
T350 Multiple Stress Creep and Recovery (MSCR)	05/16/2016



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Emulsified Asphalt

Standard:

Accredited Since:

T59	Aggregate Coating	05/15/1994
T59	Demulsibility	05/15/1994
T59	Particle Charge	05/15/1994
T59	Residue by Distillation	05/15/1994
T59	Residue by Evaporation	05/15/1994
T59	Sieve Test	05/15/1994
T382	Viscosity of Emulsified Asphalts Using Rotational Paddle Viscometer at 25°C (77°F)	06/26/2026
T382	Viscosity of Emulsified Asphalts Using Rotational Paddle Viscometer at 50°C (122°F)	06/26/2026
T59-T72	Saybolt Furol Viscosity at 25°C (77°F)	05/15/1994
T59-T72	Saybolt Furol Viscosity at 50°C (122°F)	05/15/1994



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Asphalt Mixture

Standard:

Accredited Since:

R30	Mixture Conditioning of Hot Mix Asphalt (HMA)	05/16/2016
R35	Superpave Volumetric Design for Hot Mix Asphalt (HMA)	08/13/2026
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	01/15/1994
R121	Long Term Laboratory Conditioning of Asphalt Mixtures	06/26/2026
T30	Mechanical Analysis of Extracted Aggregate	01/15/1994
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	01/15/1994
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	01/15/1994
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	01/15/1994
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	01/15/1994
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	01/15/1994
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	01/15/1994
T324	Hamburg Wheel-Track Testing of Compacted Hot-Mix Asphalt (HMA)	03/11/2021
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	01/15/1994
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	03/11/2021
D4867	Resistance of Compacted Mixtures to Moisture Induced Damage	01/15/1994
D5404	Recovery of Asphalt from Solution Using the Rotavapor Apparatus	01/15/1994
D8159	Automated Extraction of Asphalt Binder from Asphalt Mixtures	06/26/2026
D8225	Determination of Cracking Tolerance Index of Asphalt Mixture Using the Indirect Tensile Cracking Test at Intermediate Temperature	02/26/2024



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/15/1994
T88	Particle Size Analysis of Soils by Hydrometer	01/15/1994
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	01/15/1994
T90	Plastic Limit of Soils (Atterberg Limits)	01/15/1994
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/15/1994
T100	Specific Gravity of Soils	01/15/1994
T134	Moisture-Density Relations of Soil-Cement Mixtures	01/15/1994
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	09/17/2013
T208	Unconfined Compressive Strength of Cohesive Soil	01/15/1994
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	01/15/1994
T265	Laboratory Determination of Moisture Content of Soils	01/15/1994
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	01/15/1994
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	05/16/2016
D4767	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	02/26/2024



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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	01/15/1994
R90	Sampling Aggregate	05/16/2016
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	01/15/1994
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	01/15/1994
T21	Organic Impurities in Fine Aggregates for Concrete	01/15/1994
T27	Sieve Analysis of Fine and Coarse Aggregates	01/15/1994
T37	Sieve Analysis of Mineral Filler for Road and Paving Materials	01/15/1994
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/15/1994
T85	Specific Gravity and Absorption of Coarse Aggregate	01/15/1994
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	01/15/1994
T100 (Mineral Filler)	Specific Gravity of Mineral Filler on Asphalt Mixture Designs	08/13/2026
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	01/15/1994
T112	Clay Lumps and Friable Particles in Aggregate	01/15/1994
T113	Lightweight Pieces in Aggregate	01/15/1994
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	01/15/1994
T255	Total Moisture Content of Aggregate by Drying	01/15/1994
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	01/15/1994
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	01/15/1994
D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	01/15/1994



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Iron and Steel

Standard:		Accredited Since:
M111	Zinc Coatings on Iron and Steel: Thickness of Zinc (Magnetic)	03/04/2009
M336	Welded Deformed Steel Wire: Weld Shear	03/04/2009
M336	Welded Plain Steel Wire: Weld Shear	03/04/2009
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	05/16/2016
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	05/16/2016
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	05/16/2016
M31-T285	Carbon-Steel Bars, Deformed and Plain: Bend Test	03/04/2009
M203-T244	Steel Strand, Uncoated Seven-Wire: Tension (Elongation)	03/11/2021
M203-T244	Steel Strand, Uncoated Seven-Wire: Tension (Ultimate Tensile Strength)	05/16/2016
M203-T244	Steel Strand, Uncoated Seven-Wire: Tension (Yield Strength)	03/11/2021
M336-T244	Deformed Steel Wire: Tension (Ultimate Tensile Strength)	06/26/2026
M336-T244	Deformed Steel Wire: Tension (Yield Strength)	06/26/2026
M336-T244	Plain Steel Wire: Tension (Reduction of Area)	06/26/2026
M336-T244	Plain Steel Wire: Tension (Ultimate Tensile Strength)	05/16/2016
M336-T244	Plain Steel Wire: Tension (Yield Strength)	06/26/2026
M336-T244	Welded Deformed Steel Wire: Tension (Ultimate Tensile Strength)	05/16/2016
M336-T244	Welded Deformed Steel Wire: Tension (Yield Strength)	06/26/2026
M336-T244	Welded Plain Steel Wire: Tension (Reduction of Area)	06/26/2026
M336-T244	Welded Plain Steel Wire: Tension (Ultimate Tensile Strength)	05/16/2016
T244	Externally Threaded Fasteners (Bolts): Proof Load Determination	03/04/2009
T244	Externally Threaded Fasteners (Bolts): Ultimate Tensile Strength	03/04/2009
A775	Epoxy Coated Reinforcing Bars: Coating Flexibility (Bend Test)	03/04/2009
A775	Epoxy Coated Reinforcing Bars: Film Thickness	03/04/2009



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Iron and Steel (Continued)

Standard:		Accredited Since:
A1064	Welded Deformed Steel Wire: Weld Shear	03/04/2009
A1064	Welded Plain Steel Wire: Weld Shear	03/04/2009
A563-E10	Internally Threaded Fasteners (Nuts): Brinell Hardness	05/07/2018
A563-E18	Internally Threaded Fasteners (Nuts): Rockwell Hardness	05/07/2018
A775-G62	Epoxy Coated Reinforcing Bars: Coating Continuity (Holidays)	03/04/2009
A123-E376	Zinc Coatings on Iron and Steel: Thickness of Zinc (Magnetic)	05/07/2018
A563-F606	Internally Threaded Fasteners (Nuts): Proof Load Determination	05/07/2018
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	05/16/2016
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	05/16/2016
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	05/16/2016
A615-E290	Carbon-Steel Bars, Deformed and Plain: Bend Test	03/04/2009
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation)	05/16/2016
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	05/16/2016
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength)	05/16/2016
A706-E290	Low Alloy Steel Bars, Deformed and Plain: Bend Test	05/16/2016
A1064-A370	Deformed Steel Wire: Tension (Ultimate Tensile Strength)	06/26/2026
A1064-A370	Deformed Steel Wire: Tension (Yield Strength)	06/26/2026
A1064-A370	Plain Steel Wire: Tension (Reduction of Area)	06/26/2026
A1064-A370	Plain Steel Wire: Tension (Ultimate Tensile Strength)	05/16/2016
A1064-A370	Plain Steel Wire: Tension (Yield Strength)	06/26/2026
A1064-A370	Welded Deformed Steel Wire: Tension (Ultimate Tensile Strength)	05/16/2016
A1064-A370	Welded Deformed Steel Wire: Tension (Yield Strength)	06/26/2026
A1064-A370	Welded Plain Steel Wire: Tension (Reduction of Area)	06/26/2026



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Iron and Steel (Continued)

Standard:	Accredited Since:
A1064-A370 Welded Plain Steel Wire: Tension (Ultimate Tensile Strength)	05/16/2016
A416-A1061 Steel Strand, Uncoated Seven-Wire: Tension (Elongation)	03/11/2021
A416-A1061 Steel Strand, Uncoated Seven-Wire: Tension (Ultimate Tensile Strength)	05/16/2016
A416-A1061 Steel Strand, Uncoated Seven-Wire: Tension (Yield Strength)	03/11/2021
A615-A1034 Carbon-Steel Bars, Deformed and Plain: Testing Mechanical Splices	05/07/2018
A706-A1034 Low Alloy Steel Bars, Deformed and Plain: Testing Mechanical Splices	05/07/2018
F436-E18 Hardened Steel Washers: Rockwell Hardness	05/07/2018
F3125-E10 Externally Threaded Fasteners (Bolts): Brinell Hardness	03/04/2009
F3125-E18 Externally Threaded Fasteners (Bolts): Rockwell Hardness	03/04/2009
F3125-F606 Externally Threaded Fasteners (Bolts): Proof Load Determination	03/04/2009
F3125-F606 Externally Threaded Fasteners (Bolts): Ultimate Tensile Strength	03/04/2009



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Cementitious Material - Chemical Tests

Standard:

Accredited Since:

C114 Aluminum Oxide – X-Ray Fluorescence	07/01/1997
C114 Calcium Oxide – X-Ray Fluorescence	07/01/1997
C114 Ferric Oxide – X-Ray Fluorescence	07/01/1997
C114 Loss on Ignition – Reference	12/04/2013
C114 Magnesium Oxide – X-Ray Fluorescence	07/01/1997
C114 Manganic Oxide – X-Ray Fluorescence	07/01/1997
C114 Phosphorus Pentoxide – X-Ray Fluorescence	07/01/1997
C114 Potassium Oxide – X-Ray Fluorescence	07/01/1997
C114 Silicon Dioxide – X-Ray Fluorescence	07/01/1997
C114 Sodium Oxide – X-Ray Fluorescence	07/01/1997
C114 Sulfur Trioxide – X-Ray Fluorescence	07/01/1997
C114 Titanium Dioxide – X-Ray Fluorescence	07/01/1997
C114 Zinc Oxide – X-Ray Fluorescence	07/01/1997



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Cement - Physical Tests

Standard:		Accredited Since:
C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	07/01/1997
C114 (Loss on Ignition - Reference)	Loss on Ignition – Reference	12/02/2019
C183	Sampling and the Amount of Testing of Hydraulic Cement	07/01/1997
C185	Air Content of Hydraulic Cement Mortar	07/01/1997
C187	Normal Consistency of Hydraulic Cement	07/01/1997
C188	Density of Hydraulic Cement	12/02/2019
C191	Time of Setting of Hydraulic Cement by Vicat Needle	06/26/2026
C204	Fineness of Hydraulic Cement by Air Permeability Apparatus	07/01/1997
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	07/01/1997
C430	Fineness of Hydraulic Cement by the 45-µm (No. 325) Sieve	10/23/2014
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/17/2012
C1437	Flow of Hydraulic Cement Mortar	08/17/2012



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Concrete

Standard:		Accredited Since:
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	01/15/1994
C39	Compressive Strength of Cylindrical Concrete Specimens	01/15/1994
C42 (Drilling Cores of Concrete)	Drilling Cores of Concrete	06/26/2026
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	01/15/1994
C138	Density (Unit Weight), Yield, and Air Content of Concrete	01/15/1994
C143	Slump of Hydraulic Cement Concrete	01/15/1994
C172	Sampling Freshly Mixed Concrete	01/15/1994
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	01/15/1994
C192	Making and Curing Concrete Test Specimens in the Laboratory	01/15/1994
C215	Fundamental Transverse, Longitudinal and Torsional Frequencies of Concrete Specimens	01/15/1994
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	01/15/1994
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/17/2012
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	06/26/2026
C666	Resistance of Concrete to Rapid Freezing and Thawing	01/15/1994
C1064	Temperature of Freshly Mixed Portland Cement Concrete	01/15/1994
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	08/17/2012
C1542	Measuring Length of Concrete Cores	10/23/2014



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Pozzolan

Standard:

Accredited Since:

C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	10/23/2014
C187	Normal Consistency of Hydraulic Cement	10/23/2014
C188	Density of Hydraulic Cement	10/23/2014
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	10/23/2014
C311 (Loss on Ignition)	Sampling and Testing Fly Ash or Natural Pozzolans for Use in Portland-Cement Concrete (Loss on Ignition)	10/23/2014
C311 (Moisture Content)	Sampling and Testing Fly Ash or Natural Pozzolans for Use in Portland-Cement Concrete (Moisture Content)	06/26/2026
C430	Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve	10/23/2014
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/23/2014
C1437	Flow of Hydraulic Cement Mortar	10/23/2014



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Slag Cement

Standard:

Accredited Since:

C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	12/02/2019
C185	Air Content of Hydraulic Cement Mortar	12/02/2019
C188	Density of Hydraulic Cement	12/02/2019
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	12/02/2019
C430	Fineness of Hydraulic Cement by the 45-µm (No. 325) Sieve	12/02/2019
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	12/02/2019
C1437	Flow of Hydraulic Cement Mortar	12/02/2019