AASHTO ACCREDITED

Certificate of Accreditation

American Association of State Highway and Transportation Officials

AASHTO

Florida Department of Transportation

in

Gainesville, Florida, 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:

Florida Department of Transportation

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Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	02/01/1990
ISO/IEC 17025	General Requirements for the Competence of Testing and Calibration Laboratories	11/04/2002
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	04/06/2017
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1222 (Cement)	Evaluation of Laboratories Testing Hydraulic Cement	01/10/2011

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Scope of AASHTO Accreditation for:

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Asphalt Binder

Standard:		Accredited Since:
R28	Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel	02/01/1990
R29	Grading or Verifying the Performance Grade of an Asphalt Binder	04/17/2020
T44	Solubility of Asphalt Materials in Trichloroethylene	02/01/1990
T48	Flash Point by Cleveland Open Cup	02/01/1990
T49	Penetration of Original Sample of Asphalt Cement	02/08/2018
T53	Softening Point of Bitumen (Ring-and-Ball Apparatus)	02/01/1990
T55	Water in Petroleum Products and Bituminous Materials by Distillation	02/01/1990
T228	Specific Gravity (Relative Density) of Asphalt Cement	02/01/1990
T240	Rolling Thin-Film Oven Testing	02/01/1990
T313	Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	02/01/1990
T315	Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	02/01/1990
T316	Viscosity Determination of Asphalt Binder Using Rotational Viscometer	02/01/1990
T350	Multiple Stress Creep and Recovery (MSCR)	12/30/2015
D8078	Ash Content of Asphalt and Emulsified Asphalt Residues	08/07/2025

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Emulsified Asphalt

Standard:		Accredited Since:
T59	Cement Mixing	02/01/1990
T59	Demulsibility	02/01/1990
T59	Particle Charge	02/01/1990
T59	Residue by Distillation	02/01/1990
T59	Residue by Evaporation	02/01/1990
T59	Settlement and Storage Stability	02/01/1990
T59	Sieve Test	02/01/1990
T59-T72	Saybolt Furol Viscosity at 25°C (77°F)	02/01/1990
T59-T72	Saybolt Furol Viscosity at 50°C (122°F)	02/01/1990

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Asphalt Mixture

Standard:		Accredited Since:
R30	Mixture Conditioning of Hot Mix Asphalt (HMA)	12/30/2015
T30	Mechanical Analysis of Extracted Aggregate	02/01/1990
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	02/01/1990
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	02/01/1990
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	02/01/1990
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	02/01/1990
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	02/01/1990
T324	Hamburg Wheel-Track Testing of Compacted Hot-Mix Asphalt (HMA)	02/08/2018
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	04/19/2023

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	02/01/1990
T88	Particle Size Analysis of Soils by Hydrometer	02/01/1990
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	02/01/1990
T90	Plastic Limit of Soils (Atterberg Limits)	02/01/1990
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/01/1990
T100	Specific Gravity of Soils	02/01/1990
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/01/1990
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	02/01/1990
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	02/01/1990
T265	Laboratory Determination of Moisture Content of Soils	02/01/1990
T267	Determination of Organic Content in Soils by Loss on Ignition	09/29/2011
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	12/30/2015
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	12/30/2015
D3080 (2000 lb/ft-sq or Greater Normal Stress)	Direct Shear Test of Soils Under Consolidated Drained Conditions (with Exceptions)	04/19/2023
D4767	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	02/08/2018
FM1-T180	Moisture-Density Relations of Soils for Limerock Bearing Ratio	02/08/2018
FM5-515	Limerock Bearing Ratio	09/29/2011
FM5-550	pH of Soil and Water	04/17/2020
FM5-551	Minimum Resistivity of Soil and Water	04/17/2020
FM5-552	Chloride in Soil and Water	04/17/2020
FM5-553	Sulfate in Soil and Water	04/17/2020

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	02/01/1990
R90	Sampling Aggregate	08/07/2025
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	02/01/1990
T21	Organic Impurities in Fine Aggregates for Concrete	02/01/1990
T27	Sieve Analysis of Fine and Coarse Aggregates	02/01/1990
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/01/1990
T85	Specific Gravity and Absorption of Coarse Aggregate	02/01/1990
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	02/01/1990
T104 (Coarse Aggregate)	Sulfate Soundness of Aggregates	01/31/2024
T255	Total Moisture Content of Aggregate by Drying	02/01/1990
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	02/01/1990
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	02/08/2018
C127	Specific Gravity and Absorption of Coarse Aggregate	02/08/2018
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/08/2018
C136	Sieve Analysis of Fine and Coarse Aggregates	02/08/2018
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	02/01/1990

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Iron and Steel

Standard:		Accredited Since:
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	09/03/2019
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	09/03/2019
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	09/03/2019
M31-T285	Carbon-Steel Bars, Deformed and Plain: Bend Test	09/03/2019
A615	Carbon-Steel Bars, Deformed and Plain: Unit Weight	08/07/2025
A706	Low Alloy Steel Bars, Deformed and Plain: Unit Weight	08/07/2025
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	12/30/2015
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	12/30/2015
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	12/30/2015
A615-E290	Carbon-Steel Bars, Deformed and Plain: Bend Test	06/12/2009
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation)	09/03/2019
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	09/03/2019
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength)	09/03/2019
A706-E290	Low Alloy Steel Bars, Deformed and Plain: Bend Test	04/17/2020
A416-A1061	Steel Strand, Uncoated Seven-Wire: Tension (Elongation)	12/30/2015
A416-A1061	Steel Strand, Uncoated Seven-Wire: Tension (Ultimate Tensile Strength)	12/30/2015
A416-A1061	Steel Strand, Uncoated Seven-Wire: Tension (Yield Strength)	12/30/2015

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Cementitious Material - Chemical Tests

Standard:	Accredited Since:
T105 Aluminum Oxide – X-Ray Fluorescence	09/01/2002
T105 Calcium Oxide – X-Ray Fluorescence	09/01/2002
T105 Ferric Oxide – X-Ray Fluorescence	09/01/2002
T105 Insoluble Residue – Reference	09/01/2002
T105 Loss on Ignition – Reference	09/01/2002
T105 Magnesium Oxide – X-Ray Fluorescence	09/01/2002
T105 Manganic Oxide – X-Ray Fluorescence	08/07/2025
T105 Phosphorus Pentoxide – X-Ray Fluorescence	08/07/2025
T105 Potassium Oxide – X-Ray Fluorescence	09/01/2002
T105 Silicon Dioxide – X-Ray Fluorescence	02/01/1990
T105 Sodium Oxide – X-Ray Fluorescence	09/01/2002
T105 Sulfur Trioxide – X-Ray Fluorescence	09/01/2002
T105 Titanium Dioxide – X-Ray Fluorescence	09/03/2019
C114 Aluminum Oxide – X-Ray Fluorescence	09/01/2002
C114 Calcium Oxide – X-Ray Fluorescence	09/01/2002
C114 Ferric Oxide – X-Ray Fluorescence	09/01/2002
C114 Insoluble Residue – Reference	09/01/2002
C114 Loss on Ignition – Reference	09/01/2002
C114 Magnesium Oxide – X-Ray Fluorescence	09/01/2002
C114 Manganic Oxide – X-Ray Fluorescence	08/07/2025
C114 Phosphorus Pentoxide – X-Ray Fluorescence	08/07/2025
C114 Potassium Oxide – X-Ray Fluorescence	09/01/2002
C114 Silicon Dioxide – X-Ray Fluorescence	09/01/2002

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Cementitious Material - Chemical Tests (Continued)

Standard:	Accredited Since:
C114 Sodium Oxide – X-Ray Fluorescence	09/01/2002
C114 Sulfur Trioxide – X-Ray Fluorescence	09/01/2002
C114 Titanium Dioxide – X-Ray Fluorescence	09/03/2019

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Cement - Physical Tests

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/02/2012
R71	Sampling and the Amount of Testing of Hydraulic Cement	08/02/2012
R115	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	09/01/2002
T105 (Loss on Ignition - Reference)	Loss on Ignition – Reference	09/03/2019
T106	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	09/01/2002
T129	Normal Consistency of Hydraulic Cement	09/01/2002
T131	Time of Setting of Hydraulic Cement by Vicat Needle	10/14/2022
T153	Fineness of Hydraulic Cement by Air Permeability Apparatus	09/01/2002
T192	Fineness of Hydraulic Cement by the 45-µm (No. 325) Sieve	04/06/2017
C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	08/02/2012
C114 (Loss on Ignition - Reference)	Loss on Ignition – Reference	09/03/2019
C183	Sampling and the Amount of Testing of Hydraulic Cement	09/01/2002
C187	Normal Consistency of Hydraulic Cement	09/01/2002
C191	Time of Setting of Hydraulic Cement by Vicat Needle	10/14/2022
C204	Fineness of Hydraulic Cement by Air Permeability Apparatus	09/01/2002
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	09/01/2002
C430	Fineness of Hydraulic Cement by the 45-µm (No. 325) Sieve	04/06/2017
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/02/2012
C1437	Flow of Hydraulic Cement Mortar	09/01/2002

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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	08/02/2012
R39	Making and Curing Concrete Test Specimens in the Laboratory	08/02/2012
R60	Sampling Freshly Mixed Concrete	10/29/2014
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	10/29/2014
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	10/29/2014
T22	Compressive Strength of Cylindrical Concrete Specimens	02/01/1990
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	08/02/2012
T119	Slump of Hydraulic Cement Concrete	02/01/1990
T121	Density (Unit Weight), Yield, and Air Content of Concrete	02/01/1990
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	08/02/2012
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/01/1990
T309	Temperature of Freshly Mixed Portland Cement Concrete	02/01/1990
T358	Surface Resistivity Indication of Concrete's Ability to Resist Chloride Ion Penetration	01/11/2021
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	02/01/1990
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	02/01/1990
C39	Compressive Strength of Cylindrical Concrete Specimens	02/01/1990
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	02/01/1990
C138	Density (Unit Weight), Yield, and Air Content of Concrete	02/01/1990
C143	Slump of Hydraulic Cement Concrete	02/01/1990
C172	Sampling Freshly Mixed Concrete	02/01/1990
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/01/1990
C192	Making and Curing Concrete Test Specimens in the Laboratory	02/01/1990
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	02/01/1990

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Concrete (Continued)

Standard:		Accredited Since:
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/02/2012
C1064	Temperature of Freshly Mixed Portland Cement Concrete	02/01/1990
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	08/02/2012
C1399	Obtaining Average Residual-Strength of Fiber-Reinforced Concrete	08/02/2012

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Pozzolan

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/29/2014
R115	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	10/29/2014
T106	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	10/29/2014
T129	Normal Consistency of Hydraulic Cement	10/29/2014
T192	Fineness of Hydraulic Cement by the 45-µm (No. 325) Sieve	10/29/2014
C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	10/29/2014
C187	Normal Consistency of Hydraulic Cement	10/29/2014
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	10/29/2014
C430	Fineness of Hydraulic Cement by the 45-µm (No. 325) Sieve	10/29/2014
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/29/2014
C1437	Flow of Hydraulic Cement Mortar	10/29/2014

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Slag Cement

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/03/2019
R115	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	09/03/2019
T106	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	09/03/2019
T192	Fineness of Hydraulic Cement by the 45-µm (No. 325) Sieve	09/03/2019
C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	09/03/2019
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	09/03/2019
C430	Fineness of Hydraulic Cement by the 45-µm (No. 325) Sieve	09/03/2019
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/03/2019
C1437	Flow of Hydraulic Cement Mortar	09/03/2019

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