



# CERTIFICATE OF ACCREDITATION



## 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](https://aashtoresource.org)).

A handwritten signature in black ink, appearing to read 'Jim Tymon', written over a horizontal line.

Jim Tymon,  
AASHTO Executive Director

A handwritten signature in black ink, appearing to read 'Matt Linneman', written over a horizontal line.

Matt Linneman,  
AASHTO COMP Chair

This certificate was generated on 05/07/2026 at 3:17 AM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](https://aashtoresource.org/aap/accreditation-directory)



# 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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## 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 Gyrotory 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**

| <b>Standard:</b>                               |   | <b>Accredited Since:</b> |
|--|---|--------------------------|
| 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- $\mu$ m (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- $\mu$ m (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

| <b>Standard:</b>  | <b>Accredited Since:</b> |
|---|--------------------------|
| 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

| <b>Standard:</b>                               | <b>Accredited Since:</b> |
|--|--------------------------|
| 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**

| <b>Standard:</b>                    |   | <b>Accredited Since:</b> |
|-------------------------------------|---|--------------------------|
| 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**

| <b>Standard:</b> |   | <b>Accredited Since:</b> |
|------------------|---|--------------------------|
| 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)**

| <b>Standard:</b>           |   | <b>Accredited Since:</b> |
|----------------------------|---|--------------------------|
| 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- $\mu$ m (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- $\mu$ m (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:

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|       |   |            |
|-------|---|------------|
| 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- $\mu$ m (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- $\mu$ m (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 |