



CERTIFICATE OF ACCREDITATION



Pettigrew & Associates, P.A.

in

Hobbs, New Mexico, 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).

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 'Moe Jamshidi', written over a horizontal line.

Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 07/06/2020 at 5:29 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



SCOPE OF AASHTO ACCREDITATION FOR:

Pettigrew & Associates, P.A.

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Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	07/01/2001
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	05/05/2015
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	11/18/2011
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	05/05/2015
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	05/05/2015
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	05/05/2015
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/05/2015
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/05/2015
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/07/2015
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/05/2015



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Asphalt Mixture

Standard:

Accredited Since:

R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	07/01/2001
T30	Mechanical Analysis of Extracted Aggregate	07/01/2001
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	07/01/2001
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	07/01/2001
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	10/13/2016
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	03/27/2019
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	07/01/2001
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	07/01/2001
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	07/01/2001
T355	Density of Bituminous Concrete In Place by Nuclear Methods	03/27/2019
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	07/01/2001
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	07/01/2001
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	07/02/2014
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	10/13/2016
D5444	Mechanical Analysis of Extracted Aggregate	07/01/2001
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	07/01/2001
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	07/01/2001



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	09/01/2001
R74	Wet Preparation of Disturbed Soil Samples for Test	09/01/2001
T88	Particle Size Analysis of Soils by Hydrometer	03/27/2019
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	09/01/2001
T90	Plastic Limit of Soils (Atterberg Limits)	09/01/2001
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	09/01/2001
T100	Specific Gravity of Soils	10/13/2016
T134	Moisture-Density Relations of Soil-Cement Mixtures	09/01/2001
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	09/01/2001
T191	Density of Soil In-Place by the Sand Cone Method	10/13/2016
T193	The California Bearing Ratio	10/13/2016
T208	Unconfined Compressive Strength of Cohesive Soil	09/01/2001
T217	Determination of Moisture in Soils by Means of a Calcium Carbide Gas Pressure Moisture Tester	10/13/2016
T265	Laboratory Determination of Moisture Content of Soils	09/01/2001
T267	Determination of Organic Content in Soils by Loss on Ignition	10/13/2016
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	09/01/2001
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	09/01/2001
D422	Particle Size Analysis of Soils by Hydrometer	03/27/2019
D558	Moisture-Density Relations of Soil-Cement Mixtures	09/01/2001
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	09/01/2001
D854	Specific Gravity of Soils	10/13/2016
D1140	Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	09/01/2001
D1556	Density of Soil In-Place by the Sand Cone Method	10/13/2016



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Soil (Continued)

Standard:	Accredited Since:
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	09/01/2001
D1883 The California Bearing Ratio	10/13/2016
D2166 Unconfined Compressive Strength of Cohesive Soil	09/01/2001
D2216 Laboratory Determination of Moisture Content of Soils	09/01/2001
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	09/01/2001
D2488 Description and Identification of Soils (Visual-Manual Procedure)	09/01/2001
D2974 Determination of Organic Content in Soils by Loss on Ignition	10/13/2016
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	09/01/2001
D4318 Plastic Limit of Soils (Atterberg Limits)	09/01/2001
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	10/13/2016
D4718 Oversize Particle Correction	10/13/2016
D4944 Determination of Moisture in Soils by Means of a Calcium Carbide Gas Pressure Moisture Tester	10/13/2016
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	10/13/2016
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	09/01/2001
G57 Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	10/13/2016



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Aggregate

Standard:

Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	09/01/2001
R90	Sampling Aggregate	07/02/2014
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	09/01/2001
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	09/01/2001
T21	Organic Impurities in Fine Aggregates for Concrete	09/01/2001
T27	Sieve Analysis of Fine and Coarse Aggregates	09/01/2001
T37	Sieve Analysis of Mineral Filler for Road and Paving Materials	09/01/2001
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	09/01/2001
T85	Specific Gravity and Absorption of Coarse Aggregate	09/01/2001
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	09/01/2001
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	09/01/2001
T112	Clay Lumps and Friable Particles in Aggregate	09/01/2001
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	09/01/2001
T255	Total Moisture Content of Aggregate by Drying	09/01/2001
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	09/01/2001
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	07/02/2014
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	09/01/2001
C40	Organic Impurities in Fine Aggregates for Concrete	09/01/2001
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	09/01/2001
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	09/01/2001
C127	Specific Gravity and Absorption of Coarse Aggregate	09/01/2001
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	09/01/2001
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	09/01/2001



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Aggregate (Continued)

Standard:	Accredited Since:
C136 Sieve Analysis of Fine and Coarse Aggregates	09/01/2001
C142 Clay Lumps and Friable Particles in Aggregate	09/01/2001
C535 Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	09/01/2001
C566 Total Moisture Content of Aggregate by Drying	09/01/2001
C702 Reducing Samples of Aggregate to Testing Size	09/01/2001
C1252 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	09/01/2001
D75 Sampling Aggregate	07/02/2014
D546 Sieve Analysis of Mineral Filler for Road and Paving Materials	09/01/2001
D2419 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	09/01/2001
D4791 Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	09/01/2001
D5821 Determining the Percentage of Fractured Particles in Coarse Aggregate	09/01/2001



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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	06/20/2014
R39	Making and Curing Concrete Test Specimens in the Laboratory	06/20/2014
R60	Sampling Freshly Mixed Concrete	10/01/2001
T22	Compressive Strength of Cylindrical Concrete Specimens	10/01/2001
T23 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	10/01/2001
T24	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	06/20/2014
T119	Slump of Hydraulic Cement Concrete	10/01/2001
T121	Density (Unit Weight), Yield, and Air Content of Concrete	10/01/2001
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	10/01/2001
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	10/01/2001
T231 (7000 psi and below)	Capping Cylindrical Concrete Specimens	10/01/2001
T309	Temperature of Freshly Mixed Portland Cement Concrete	06/20/2014
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	10/01/2001
C39	Compressive Strength of Cylindrical Concrete Specimens	10/01/2001
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	10/01/2001
C138	Density (Unit Weight), Yield, and Air Content of Concrete	10/01/2001
C143	Slump of Hydraulic Cement Concrete	10/01/2001
C172	Sampling Freshly Mixed Concrete	10/01/2001
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	10/01/2001
C192	Making and Curing Concrete Test Specimens in the Laboratory	10/01/2001
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	10/01/2001
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/20/2014
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	10/01/2001



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Concrete (Continued)

Standard:

Accredited Since:

C1064	Temperature of Freshly Mixed Portland Cement Concrete	10/01/2001
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	10/01/2001
C1542	Measuring Length of Concrete Cores	10/07/2015



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Masonry

Standard:

Accredited Since:

M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/20/2014
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/20/2014
C780 (Annex 6)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength	10/07/2010
C1019	Sampling and Testing Grout	10/07/2010