



CERTIFICATE OF ACCREDITATION



R M A Group

in

Rancho Cordova, California, 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 08/06/2020 at 8:52 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



SCOPE OF AASHTO ACCREDITATION FOR:

R M A Group

in Rancho Cordova, California, USA

Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	01/04/2016
ISO/IEC 17025	General Requirements for the Competence of Testing and Calibration Laboratories	02/20/2019
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/04/2016
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	01/04/2016
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/04/2016
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/04/2016
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	01/04/2016
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/04/2016
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/04/2016
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/04/2016
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/04/2016



SCOPE OF AASHTO ACCREDITATION FOR:

R M A Group

in Rancho Cordova, California, USA

Asphalt Mixture

Standard:

Accredited Since:

R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	01/04/2016
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	01/04/2016
T30	Mechanical Analysis of Extracted Aggregate	01/04/2016
T164	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	01/04/2016
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	01/04/2016
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	01/04/2016
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	01/04/2016
T246	Resistance to Deformation and Cohesion of Bituminous Mixtures by Means of Hveem Apparatus	01/04/2016
T247	Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	01/04/2016
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	01/04/2016
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	01/04/2016
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	01/04/2016
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	01/04/2016
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyrotory Compactor	01/04/2016
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	01/04/2016
D1560 (Stability)	Resistance to Deformation of Bituminous Mixtures by Means of Hveem Apparatus	01/04/2016
D1561	Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	01/04/2016
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	01/04/2016
D2172	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	01/04/2016
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	01/04/2016
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	01/04/2016
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	01/04/2016
D4867	Resistance of Compacted Mixtures to Moisture Induced Damage	01/04/2016



SCOPE OF AASHTO ACCREDITATION FOR:

R M A Group

in Rancho Cordova, California, USA

Asphalt Mixture (Continued)

Standard:

Accredited Since:

D5444	Mechanical Analysis of Extracted Aggregate	01/04/2016
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	01/04/2016
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyrotory Compactor	01/04/2016
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	01/04/2016
D6927	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	01/04/2016



SCOPE OF AASHTO ACCREDITATION FOR:

R M A Group

in Rancho Cordova, California, USA

Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/04/2016
T88	Particle Size Analysis of Soils by Hydrometer	01/04/2016
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	01/04/2016
T90	Plastic Limit of Soils (Atterberg Limits)	01/04/2016
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/04/2016
T100	Specific Gravity of Soils	06/16/2015
T134	Moisture-Density Relations of Soil-Cement Mixtures	01/04/2016
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/04/2016
T190	Resistance R-Value and Expansion Pressure of Compacted Soils	01/04/2016
T191	Density of Soil In-Place by the Sand Cone Method	01/04/2016
T208	Unconfined Compressive Strength of Cohesive Soil	01/04/2016
T265	Laboratory Determination of Moisture Content of Soils	01/04/2016
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/04/2016
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/04/2016
D422	Particle Size Analysis of Soils by Hydrometer	01/04/2016
D558	Moisture-Density Relations of Soil-Cement Mixtures	01/04/2016
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/04/2016
D854	Specific Gravity of Soils	06/16/2015
D1140	Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	01/04/2016
D1556	Density of Soil In-Place by the Sand Cone Method	01/04/2016
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/04/2016
D2166	Unconfined Compressive Strength of Cohesive Soil	01/04/2016
D2216	Laboratory Determination of Moisture Content of Soils	01/04/2016



SCOPE OF AASHTO ACCREDITATION FOR:

R M A Group

in Rancho Cordova, California, USA

Soil (Continued)

Standard:	Accredited Since:
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	01/04/2016
D2488 Description and Identification of Soils (Visual-Manual Procedure)	01/04/2016
D2844 Resistance R-Value and Expansion Pressure of Compacted Soils	01/04/2016
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	01/04/2016
D4318 Plastic Limit of Soils (Atterberg Limits)	01/04/2016
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	01/04/2016
D4718 Oversize Particle Correction	01/04/2016
D4829 Expansion Index of Soils	01/04/2016
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/04/2016



SCOPE OF AASHTO ACCREDITATION FOR:

R M A Group

in Rancho Cordova, California, USA

Aggregate

Standard:

Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	01/04/2016
R90	Sampling Aggregate	01/04/2016
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	01/04/2016
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	01/04/2016
T21	Organic Impurities in Fine Aggregates for Concrete	01/04/2016
T27	Sieve Analysis of Fine and Coarse Aggregates	01/04/2016
T37	Sieve Analysis of Mineral Filler for Road and Paving Materials	01/04/2016
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/04/2016
T85	Specific Gravity and Absorption of Coarse Aggregate	01/04/2016
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	01/04/2016
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	01/04/2016
T112	Clay Lumps and Friable Particles in Aggregate	01/04/2016
T113	Lightweight Pieces in Aggregate	01/04/2016
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	01/04/2016
T210	Aggregate Durability Index	01/04/2016
T255	Total Moisture Content of Aggregate by Drying	01/04/2016
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	01/04/2016
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	01/04/2016
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	01/04/2016
C40	Organic Impurities in Fine Aggregates for Concrete	01/04/2016
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	01/04/2016
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	01/04/2016
C123	Lightweight Pieces in Aggregate	01/04/2016



SCOPE OF AASHTO ACCREDITATION FOR:

R M A Group

in Rancho Cordova, California, USA

Aggregate (Continued)

Standard:	Accredited Since:
C127 Specific Gravity and Absorption of Coarse Aggregate	01/04/2016
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/04/2016
C131 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	01/04/2016
C136 Sieve Analysis of Fine and Coarse Aggregates	01/04/2016
C142 Clay Lumps and Friable Particles in Aggregate	01/04/2016
C535 Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	01/04/2016
C566 Total Moisture Content of Aggregate by Drying	01/04/2016
C702 Reducing Samples of Aggregate to Testing Size	01/04/2016
C1252 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	01/04/2016
D75 Sampling Aggregate	01/04/2016
D546 Sieve Analysis of Mineral Filler for Road and Paving Materials	01/04/2016
D2419 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	01/04/2016
D3744 Aggregate Durability Index	01/04/2016
D4791 Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	01/04/2016
D5821 Determining the Percentage of Fractured Particles in Coarse Aggregate	01/04/2016



SCOPE OF AASHTO ACCREDITATION FOR:

R M A Group

in Rancho Cordova, California, USA

Sprayed Fire-Resistive Material

Standard:

Accredited Since:

E605 Thickness and Density of Sprayed Fire-Resistive Material(SFRM) Applied to Structural Members

01/04/2016

E736 Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members

03/20/2017



SCOPE OF AASHTO ACCREDITATION FOR:

R M A Group

in Rancho Cordova, California, USA

Iron and Steel

Standard:

Accredited Since:

A970	Headed Steel Bars: Bend Test	01/31/2019
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	03/17/2016
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	03/17/2016
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	03/17/2016
A615-E290	Carbon-Steel Bars, Deformed and Plain: Bend Test	01/04/2016
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation)	03/17/2016
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	03/17/2016
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength)	03/17/2016
A706-E290	Low Alloy Steel Bars, Deformed and Plain: Bend Test	01/04/2016
A970-A370	Headed Steel Bars: Tension (Elongation)	01/31/2019
A970-A370	Headed Steel Bars: Tension (Ultimate Tensile Strength)	01/31/2019
A970-A370	Headed Steel Bars: Tension (Yield Strength)	01/31/2019
A615-A1034	Carbon-Steel Bars, Deformed and Plain: Testing Mechanical Splices	01/31/2019
A706-A1034	Low Alloy Steel Bars, Deformed and Plain: Testing Mechanical Splices	01/31/2019
A615-CT670	Carbon-Steel Bars, Deformed and Plain: Testing Mechanical and Welded Splices	01/31/2019
A706-CT670	Low Alloy Steel Bars, Deformed and Plain: Testing Mechanical and Welded Splices	01/31/2019



SCOPE OF AASHTO ACCREDITATION FOR:

R M A Group

in Rancho Cordova, California, USA

Concrete

Standard:		Accredited Since:
C31	Making and Curing Concrete Test Specimens in the Field	01/04/2016
C39	Compressive Strength of Cylindrical Concrete Specimens	01/04/2016
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	01/04/2016
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	01/04/2016
C138	Density (Unit Weight), Yield, and Air Content of Concrete	01/04/2016
C143	Slump of Hydraulic Cement Concrete	01/04/2016
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	01/04/2016
C172	Sampling Freshly Mixed Concrete	01/04/2016
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	01/04/2016
C192	Making and Curing Concrete Test Specimens in the Laboratory	01/04/2016
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	01/04/2016
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	01/04/2016
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	01/04/2016
C1064	Temperature of Freshly Mixed Portland Cement Concrete	01/04/2016
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	01/04/2016
C1542	Measuring Length of Concrete Cores	03/17/2016



SCOPE OF AASHTO ACCREDITATION FOR:

R M A Group

in Rancho Cordova, California, USA

Masonry

Standard:

Accredited Since:

C140 (Concrete Masonry Units) Sampling and Testing Concrete Masonry Units and Related Units	01/04/2016
C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	01/04/2016
C780 (Annex 6) Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength	01/04/2016
C1019 Sampling and Testing Grout	01/04/2016
C1314 Compressive Strength of Masonry Prisms	01/04/2016
C1552 Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	01/04/2016