



# CERTIFICATE OF ACCREDITATION



## Aviles Engineering Corporation

in

**Houston, Texas, 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](http://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 01/11/2021 at 9:39 AM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](http://aashtoresource.org/aap/accreditation-directory)



# 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	03/13/2007
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	06/16/2014
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	07/11/2013
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	07/11/2013
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	07/11/2013
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	07/11/2013
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/16/2014
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/11/2013
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/11/2013
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/11/2013



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## Asphalt Mixture

### Standard:

### Accredited Since:

D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/23/2012
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/13/2007
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/13/2007
D5444	Mechanical Analysis of Extracted Aggregate	07/11/2017
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/23/2012
D6752	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method	08/09/2017
D6931	Indirect Tensile Strength (IDT)	08/09/2017
Tex-206-F	Compacting Specimens Using the Texas Gyratory Compactor (TGC)	06/16/2014
Tex-208-F	Test for Stabilometer Value of Bituminous Mixtures	06/16/2014



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## Soil

### Standard:

### Accredited Since:

T311	Grain-Size Analysis of Granular Soil Materials	08/09/2017
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	08/09/2017
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/13/2007
D1140	Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve	03/13/2007
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	08/09/2017
D2216	Laboratory Determination of Moisture Content of Soils	03/13/2007
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	08/09/2017
D2974	Determination of Organic Content in Soils by Loss on Ignition	09/21/2018
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	03/13/2007
D4318	Plastic Limit of Soils (Atterberg Limits)	03/13/2007
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/13/2007
D6951	Dynamic Cone Penetrometer In Shallow Pavement Applications	09/21/2018
Tex-148-E	Soil Organic Content Using the UV-Vis Method	09/21/2018



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## Aggregate

### Standard:

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C29	Bulk Density ("Unit Weight") and Voids in Aggregate	08/09/2017
C40	Organic Impurities in Fine Aggregates for Concrete	03/13/2007
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	08/09/2017
C117	Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	03/13/2007
C127	Specific Gravity and Absorption of Coarse Aggregate	03/13/2007
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	03/13/2007
C136	Sieve Analysis of Fine and Coarse Aggregates	05/23/2012
C142	Clay Lumps and Friable Particles in Aggregate	08/09/2017
C566	Total Moisture Content of Aggregate by Drying	03/13/2007
C702	Reducing Samples of Aggregate to Testing Size	08/09/2017
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	08/09/2017
D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	08/09/2017



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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	01/15/2020
R60	Sampling Freshly Mixed Concrete	01/15/2020
T22	Compressive Strength of Cylindrical Concrete Specimens	01/15/2020
T23	Making and Curing Concrete Test Specimens in the Field	01/15/2020
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	01/15/2020
T119	Slump of Hydraulic Cement Concrete	01/15/2020
T121	Density (Unit Weight), Yield, and Air Content of Concrete	01/15/2020
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	01/15/2020
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	01/15/2020
T231 (6000 psi and below)	Capping Cylindrical Concrete Specimens	01/15/2020
T309	Temperature of Freshly Mixed Portland Cement Concrete	01/15/2020
C31	Making and Curing Concrete Test Specimens in the Field	09/06/2017
C39	Compressive Strength of Cylindrical Concrete Specimens	01/10/2008
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	09/06/2017
C138	Density (Unit Weight), Yield, and Air Content of Concrete	01/10/2008
C143	Slump of Hydraulic Cement Concrete	01/10/2008
C172	Sampling Freshly Mixed Concrete	01/10/2008
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	09/06/2017
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	01/10/2008
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	03/25/2013
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	01/15/2020
C1064	Temperature of Freshly Mixed Portland Cement Concrete	01/10/2008
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	03/25/2013