



# CERTIFICATE OF ACCREDITATION



## Geo-Hydro Engineers, Inc.

in

### Charlotte, North Carolina, 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 07/02/2020 at 12:07 PM 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	06/27/2017
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	09/25/2017
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	06/27/2017
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	06/27/2017
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/27/2017
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	09/25/2017
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/27/2017



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## Asphalt Mixture

### Standard:

### Accredited Since:

T166 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	06/27/2017
T275 (Cores)	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens (Cores)	06/27/2017
D2726 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	06/27/2017
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	06/27/2017



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## Soil

### Standard:

### Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/27/2017
T88	Particle Size Analysis of Soils by Hydrometer	06/27/2017
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	06/27/2017
T90	Plastic Limit of Soils (Atterberg Limits)	06/27/2017
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/27/2017
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/27/2017
T191	Density of Soil In-Place by the Sand Cone Method	06/27/2017
T265	Laboratory Determination of Moisture Content of Soils	06/27/2017
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	06/27/2017
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/27/2017
D422	Particle Size Analysis of Soils by Hydrometer	06/27/2017
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/27/2017
D1140	Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve	06/27/2017
D1556	Density of Soil In-Place by the Sand Cone Method	06/27/2017
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/27/2017
D2216	Laboratory Determination of Moisture Content of Soils	06/27/2017
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	06/27/2017
D2488	Description and Identification of Soils (Visual-Manual Procedure)	06/27/2017
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	06/27/2017
D4318	Plastic Limit of Soils (Atterberg Limits)	06/27/2017
D6913	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	06/27/2017
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	06/27/2017



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## Concrete

### Standard:

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C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	09/25/2017
C39	Compressive Strength of Cylindrical Concrete Specimens	09/25/2017
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	09/25/2017
C138	Density (Unit Weight), Yield, and Air Content of Concrete	09/25/2017
C143	Slump of Hydraulic Cement Concrete	09/25/2017
C172	Sampling Freshly Mixed Concrete	09/25/2017
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	09/25/2017
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	09/25/2017
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/25/2017
C617 (8000 psi and below)	Capping Cylindrical Concrete Specimens	01/11/2019
C1064	Temperature of Freshly Mixed Portland Cement Concrete	09/25/2017
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	09/25/2017
C1542	Measuring Length of Concrete Cores	09/25/2017



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## Masonry

### Standard:

### Accredited Since:

C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes

09/25/2017

C1019 Sampling and Testing Grout

09/25/2017