



# CERTIFICATE OF ACCREDITATION



## Geo-Hydro Engineers, Inc.

in

### Kennesaw, Georgia, 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 12/02/2022 at 2:12 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:

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	05/15/2002
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	01/10/2011
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	01/10/2011
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/29/2019



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## Asphalt Mixture

### Standard:

### Accredited Since:

R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	11/09/2015
T30	Mechanical Analysis of Extracted Aggregate	05/15/2002
T164 (Mineral Matter Not Determined)	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA) - Plant Control	05/15/2002
T166 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	05/18/2017
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/15/2002
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	05/15/2002
T275 (Cores)	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens (Cores)	05/18/2017
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/18/2017
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/15/2002
D2172 (Mineral Matter Not Determined)	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA) - Plant Control	05/15/2002
D2726 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	05/18/2017
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	05/15/2002
D5444	Mechanical Analysis of Extracted Aggregate	05/15/2002
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/18/2017



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## Soil

### Standard:

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R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/16/2011
T88	Particle Size Analysis of Soils by Hydrometer	01/23/2003
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	01/23/2003
T90	Plastic Limit of Soils (Atterberg Limits)	01/23/2003
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/23/2003
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/23/2003
T265	Laboratory Determination of Moisture Content of Soils	01/23/2003
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/23/2003
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/16/2011
D422	Particle Size Analysis of Soils by Hydrometer	01/23/2003
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/23/2003
D1140	Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve	06/16/2011
D1556	Density of Soil In-Place by the Sand Cone Method	01/23/2003
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/23/2003
D2216	Laboratory Determination of Moisture Content of Soils	01/23/2003
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	01/23/2003
D2488	Description and Identification of Soils (Visual-Manual Procedure)	01/23/2003
D2937	Density of Soil in Place by the Drive-Cylinder Method	05/18/2017
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	01/23/2003
D4318	Plastic Limit of Soils (Atterberg Limits)	01/23/2003
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/23/2003



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## Aggregate

### Standard:

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C40 Organic Impurities in Fine Aggregates for Concrete	07/07/2004
C117 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	07/07/2004
C127 Specific Gravity and Absorption of Coarse Aggregate	07/07/2004
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	07/07/2004
C136 Sieve Analysis of Fine and Coarse Aggregates	07/07/2004
C566 Total Moisture Content of Aggregate by Drying	07/07/2004
C702 Reducing Samples of Aggregate to Testing Size	07/07/2004
D75 Sampling Aggregate	05/29/2019



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## Sprayed Fire-Resistive Material

### Standard:

### Accredited Since:

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

06/16/2011

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

06/16/2011



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## Concrete

Standard:		Accredited Since:
C31	Making and Curing Concrete Test Specimens in the Field	05/15/2002
C39	Compressive Strength of Cylindrical Concrete Specimens	05/15/2002
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	05/15/2002
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	05/15/2002
C138	Density (Unit Weight), Yield, and Air Content of Concrete	05/15/2002
C143	Slump of Hydraulic Cement Concrete	05/15/2002
C172	Sampling Freshly Mixed Concrete	05/15/2002
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	05/15/2002
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	05/15/2002
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/18/2012
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	11/21/2022
C1064	Temperature of Freshly Mixed Portland Cement Concrete	05/15/2002
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	09/18/2012
C1542	Measuring Length of Concrete Cores	10/07/2014



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## Masonry

### Standard:

### Accredited Since:

C140 (Concrete Masonry Units) Sampling and Testing Concrete Masonry Units and Related Units	12/04/2006
C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/18/2012
C780 (Annex 1) Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	08/06/2019
C780 (Annex 6) Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength	05/03/2017
C1019 Sampling and Testing Grout	12/04/2006
C1314 Compressive Strength of Masonry Prisms	12/04/2006
C1552 Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	12/04/2006