



# CERTIFICATE OF ACCREDITATION



## DDS Engineering, PLLC

in

## Bowling Green, Kentucky, 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 07/07/2022 at 7:15 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	04/20/2018
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	04/26/2018
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	04/20/2018
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	06/15/2018
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/15/2018



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## Soil

### Standard:

### Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/15/2018
T88	Particle Size Analysis of Soils by Hydrometer	06/15/2018
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	06/15/2018
T90	Plastic Limit of Soils (Atterberg Limits)	06/15/2018
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/15/2018
T100	Specific Gravity of Soils	08/02/2018
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/15/2018
T193	The California Bearing Ratio	06/15/2018
T208	Unconfined Compressive Strength of Cohesive Soil	06/15/2018
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	06/15/2018
T265	Laboratory Determination of Moisture Content of Soils	06/15/2018
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	06/15/2018
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/15/2018
D422	Particle Size Analysis of Soils by Hydrometer	06/15/2018
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/15/2018
D854	Specific Gravity of Soils	08/02/2018
D1140	Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve	06/15/2018
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/15/2018
D1883	The California Bearing Ratio	06/15/2018
D2166	Unconfined Compressive Strength of Cohesive Soil	06/15/2018
D2216	Laboratory Determination of Moisture Content of Soils	06/15/2018
D2435	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	06/15/2018
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	06/15/2018



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## Soil (Continued)

**Standard:**

**Accredited Since:**

D2488 Description and Identification of Soils (Visual-Manual Procedure)	06/15/2018
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	06/15/2018
D4318 Plastic Limit of Soils (Atterberg Limits)	06/15/2018
D4546 One-Dimensional Swell or Settlement Potential of Cohesive Soils	06/15/2018
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	06/15/2018
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	06/15/2018



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## Aggregate

### Standard:

### Accredited Since:

R76 Reducing Samples of Aggregate to Testing Size	04/20/2018
R90 Sampling Aggregate	06/15/2018
T11 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	04/20/2018
T21 Organic Impurities in Fine Aggregates for Concrete	04/20/2018
T27 Sieve Analysis of Fine and Coarse Aggregates	04/20/2018
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	04/20/2018
T85 Specific Gravity and Absorption of Coarse Aggregate	04/20/2018
T255 Total Moisture Content of Aggregate by Drying	04/20/2018
C40 Organic Impurities in Fine Aggregates for Concrete	04/20/2018
C117 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	04/20/2018
C127 Specific Gravity and Absorption of Coarse Aggregate	04/20/2018
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	04/20/2018
C136 Sieve Analysis of Fine and Coarse Aggregates	04/20/2018
C566 Total Moisture Content of Aggregate by Drying	04/20/2018
C702 Reducing Samples of Aggregate to Testing Size	04/20/2018
D75 Sampling Aggregate	06/15/2018



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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	04/20/2018
R60	Sampling Freshly Mixed Concrete	04/20/2018
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	04/20/2018
T22	Compressive Strength of Cylindrical Concrete Specimens	04/20/2018
T119	Slump of Hydraulic Cement Concrete	04/20/2018
T121	Density (Unit Weight), Yield, and Air Content of Concrete	04/20/2018
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	04/26/2018
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	04/20/2018
T309	Temperature of Freshly Mixed Portland Cement Concrete	04/20/2018
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	04/20/2018
C39	Compressive Strength of Cylindrical Concrete Specimens	04/20/2018
C138	Density (Unit Weight), Yield, and Air Content of Concrete	04/20/2018
C143	Slump of Hydraulic Cement Concrete	04/20/2018
C172	Sampling Freshly Mixed Concrete	04/20/2018
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	04/20/2018
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	04/26/2018
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/20/2018
C1064	Temperature of Freshly Mixed Portland Cement Concrete	04/20/2018
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	04/20/2018