



**AASHTO**  
ACCREDITED

# CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION  
OF STATE HIGHWAY AND  
TRANSPORTATION OFFICIALS

**AASHTO**

## Froehling & Robertson, Incorporated

in

**Dulles, Virginia, 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)).



Jim Tymon,  
AASHTO Executive Director



Matt Linneman,  
AASHTO COMP Chair

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# 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	05/05/2011
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	06/11/2014
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	05/21/2020
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	06/11/2014
E329 (Concrete)	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



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## Soil

### Standard:

### Accredited Since:

D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	12/01/1999
D422	Particle Size Analysis of Soils by Hydrometer	12/01/1999
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	12/01/1999
D854	Specific Gravity of Soils	12/01/1999
D1140	Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve	12/01/1999
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	12/01/1999
D1883	The California Bearing Ratio	12/01/1999
D2216	Laboratory Determination of Moisture Content of Soils	12/01/1999
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	05/05/2011
D2488	Description and Identification of Soils (Visual-Manual Procedure)	12/01/1999
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	12/01/1999
D4318	Plastic Limit of Soils (Atterberg Limits)	12/01/1999
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	05/05/2011



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## Aggregate

**Standard:**

**Accredited Since:**

C117 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	12/01/1999
C127 Specific Gravity and Absorption of Coarse Aggregate	12/01/1999
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	12/01/1999
C136 Sieve Analysis of Fine and Coarse Aggregates	06/11/2014
C566 Total Moisture Content of Aggregate by Drying	12/01/1999
C702 Reducing Samples of Aggregate to Testing Size	12/01/1999
D75 Sampling Aggregate	02/26/2013



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**Concrete**

<b>Standard:</b>		<b>Accredited Since:</b>
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	07/06/2021
R60	Sampling Freshly Mixed Concrete	07/06/2021
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	07/06/2021
T22	Compressive Strength of Cylindrical Concrete Specimens	07/06/2021
T119	Slump of Hydraulic Cement Concrete	07/06/2021
T121	Density (Unit Weight), Yield, and Air Content of Concrete	07/06/2021
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	07/06/2021
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	07/06/2021
T309	Temperature of Freshly Mixed Portland Cement Concrete	07/06/2021
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	01/01/2000
C39	Compressive Strength of Cylindrical Concrete Specimens	01/01/2000
C138	Density (Unit Weight), Yield, and Air Content of Concrete	01/01/2000
C143	Slump of Hydraulic Cement Concrete	01/01/2000
C172	Sampling Freshly Mixed Concrete	01/01/2000
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	01/01/2000
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	01/01/2000
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	02/09/2012
C1064	Temperature of Freshly Mixed Portland Cement Concrete	01/01/2000
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	01/19/2012