



CERTIFICATE OF ACCREDITATION



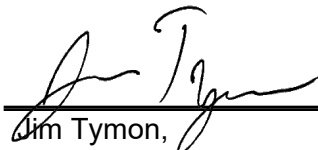
Bacon Farmer Workman Engineering & Testing, Inc.

in

Paducah, 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).


Jim Tymon,
AASHTO Executive Director


Matt Linneman,
AASHTO COMP Chair

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SCOPE OF AASHTO ACCREDITATION FOR:

Bacon Farmer Workman Engineering & Testing, Inc.
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Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	03/11/2004
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	06/03/2014
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	04/20/2012
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	04/20/2012



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	03/11/2004
T88	Particle Size Analysis of Soils by Hydrometer	03/11/2004
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	03/11/2004
T90	Plastic Limit of Soils (Atterberg Limits)	03/11/2004
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/11/2004
T100	Specific Gravity of Soils	03/11/2004
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	03/11/2004
T191	Density of Soil In-Place by the Sand Cone Method	06/06/2024
T193	The California Bearing Ratio	03/11/2004
T208	Unconfined Compressive Strength of Cohesive Soil	03/11/2004
T215	Permeability of Granular Soils (Constant Head)	03/11/2004
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	03/11/2004
T265	Laboratory Determination of Moisture Content of Soils	03/11/2004
T267	Determination of Organic Content in Soils by Loss on Ignition	03/11/2004
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	03/11/2004
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	03/11/2004
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/11/2004
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	03/11/2004
D422	Particle Size Analysis of Soils by Hydrometer	03/11/2004
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/11/2004
D854	Specific Gravity of Soils	03/11/2004
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	03/11/2004
D1556	Density of Soil In-Place by the Sand Cone Method	03/11/2004



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Soil (Continued)

Standard:	Accredited Since:
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	03/11/2004
D1883 The California Bearing Ratio	03/11/2004
D2166 Unconfined Compressive Strength of Cohesive Soil	03/11/2004
D2216 Laboratory Determination of Moisture Content of Soils	03/11/2004
D2434 Permeability of Granular Soils (Constant Head)	03/11/2004
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	03/11/2004
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	03/11/2004
D2488 Description and Identification of Soils (Visual-Manual Procedure)	03/11/2004
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	03/11/2004
D2974 Determination of Organic Content in Soils by Loss on Ignition	03/11/2004
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	03/11/2004
D4318 Plastic Limit of Soils (Atterberg Limits)	03/11/2004
D4546 One-Dimensional Swell or Settlement Potential of Cohesive Soils	03/11/2004
D4767 Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	03/11/2004
D4829 Expansion Index of Soils	04/02/2012
D4943 Shrinkage Factors of Soil by Wax Method	04/02/2012
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	03/11/2004
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/11/2004



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Aggregate

Standard:

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R76	Reducing Samples of Aggregate to Testing Size	04/02/2012
R90	Sampling Aggregate	07/23/2018
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	06/03/2014
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	04/02/2012
T27	Sieve Analysis of Fine and Coarse Aggregates	04/02/2012
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	04/02/2012
T85	Specific Gravity and Absorption of Coarse Aggregate	04/02/2012
T112	Clay Lumps and Friable Particles in Aggregate	04/02/2012
T255	Total Moisture Content of Aggregate by Drying	04/02/2012
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	06/06/2024
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	10/29/2004
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	06/03/2014
C127	Specific Gravity and Absorption of Coarse Aggregate	10/29/2004
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	10/29/2004
C136	Sieve Analysis of Fine and Coarse Aggregates	01/01/2011
C142	Clay Lumps and Friable Particles in Aggregate	10/29/2004
C566	Total Moisture Content of Aggregate by Drying	10/29/2004
C702	Reducing Samples of Aggregate to Testing Size	10/29/2004
D75	Sampling Aggregate	07/23/2018
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	10/29/2004
D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	10/29/2004



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Concrete

Standard:

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C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	10/29/2004
C39	Compressive Strength of Cylindrical Concrete Specimens	10/29/2004
C42 (Drilling Cores of Concrete)	Drilling Cores of Concrete	08/03/2026
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	10/29/2004
C138	Density (Unit Weight), Yield, and Air Content of Concrete	10/29/2004
C143	Slump of Hydraulic Cement Concrete	10/29/2004
C172	Sampling Freshly Mixed Concrete	10/29/2004
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	10/29/2004
C192	Making and Curing Concrete Test Specimens in the Laboratory	10/29/2004
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	10/29/2004
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/23/2012
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	07/25/2023
C1064	Temperature of Freshly Mixed Portland Cement Concrete	10/29/2004
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	08/23/2012
C1542	Measuring Length of Concrete Cores	03/19/2015