AASHTO ACCREDITED

Certificate of Accreditation

American Association of State Highway and Transportation Officials
AASHTO

Terracon Consultants, Inc.

in

Lenexa, Kansas, 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:

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Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	06/01/1995
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	**Suspended**
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	**Suspended**
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	**Suspended**
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	11/10/2025

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Asphalt Mixture

Standard:		Accredited Since:
R30	Mixture Conditioning of Hot Mix Asphalt (HMA)	08/17/2016
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	06/01/1997
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	06/01/1997
T30	Mechanical Analysis of Extracted Aggregate	06/01/1997
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	06/01/1997
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	06/01/1997
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	06/01/1997
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	06/01/1997
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	06/01/1997
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	06/01/1997
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	06/01/1997
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	02/28/2012
T331	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method	02/10/2022
T355	Density of Bituminous Concrete In Place by Nuclear Methods	02/10/2022
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	06/01/1997
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	06/01/1997
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	02/28/2012
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	06/01/1997
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	02/10/2022
D4867	Resistance of Compacted Mixtures to Moisture Induced Damage	06/01/1997
D5444	Mechanical Analysis of Extracted Aggregate	06/01/1997
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	06/01/1997
D6752	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method	02/10/2022

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Asphalt Mixture (Continued)

Standard:	Accredited Since:
D6925 Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	06/01/1997
D6926 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	06/01/1997
D6927 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	06/01/1997

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/01/1995
R74	Wet Preparation of Disturbed Soil Samples for Test	06/01/1995
T88	Particle Size Analysis of Soils by Hydrometer	06/01/1995
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	06/01/1995
T90	Plastic Limit of Soils (Atterberg Limits)	06/01/1995
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/01/1995
T100	Specific Gravity of Soils	06/01/1995
T134	Moisture-Density Relations of Soil-Cement Mixtures	05/19/2025
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/01/1995
T191	Density of Soil In-Place by the Sand Cone Method	02/10/2022
T193	The California Bearing Ratio	06/01/1995
T208	Unconfined Compressive Strength of Cohesive Soil	06/01/1995
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	06/01/1995
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	06/01/1995
T265	Laboratory Determination of Moisture Content of Soils	06/01/1995
T267	Determination of Organic Content in Soils by Loss on Ignition	06/01/1995
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	06/01/1995
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	06/01/1995
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	06/01/1995
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/01/1995
D422	Particle Size Analysis of Soils by Hydrometer	06/01/1995
D558	Moisture-Density Relations of Soil-Cement Mixtures	05/19/2025
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/01/1995

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Soil (Continued)

Standard:	Accredited Since:
D854 Specific Gravity of Soils	06/01/1995
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	06/01/1995
D1556 Density of Soil In-Place by the Sand Cone Method	02/10/2022
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/01/1995
D1883 The California Bearing Ratio	06/01/1995
D2166 Unconfined Compressive Strength of Cohesive Soil	06/01/1995
D2216 Laboratory Determination of Moisture Content of Soils	06/01/1995
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	06/01/1995
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	06/01/1995
D2488 Description and Identification of Soils (Visual-Manual Procedure)	06/01/1995
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	06/01/1995
D2974 Determination of Organic Content in Soils by Loss on Ignition	06/01/1995
D3080 Direct Shear Test of Soils Under Consolidated Drained Conditions	02/10/2022
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	06/01/1995
D4318 Plastic Limit of Soils (Atterberg Limits)	06/01/1995
D4546 One-Dimensional Swell or Settlement Potential of Cohesive Soils	06/01/1995
D4767 Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	06/01/1995
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	06/01/1995
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	02/20/2019
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	06/01/1995
D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	02/20/2019

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Rock

Standard:	Accredited Since:
D4644 Slake Durability of Shales and Weak Rocks	02/28/2012
D5312 Evaluation of Durability of Rock for Erosion Control Under Freezing and Thawing Conditions	02/10/2022

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	06/01/1995
R90	Sampling Aggregate	02/10/2022
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	06/01/1995
T19	Bulk Density (“Unit Weight”) and Voids in Aggregate	06/01/1995
T21	Organic Impurities in Fine Aggregates for Concrete	06/01/1995
T27	Sieve Analysis of Fine and Coarse Aggregates	06/01/1995
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	06/01/1995
T85	Specific Gravity and Absorption of Coarse Aggregate	06/01/1995
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	06/01/1995
T112	Clay Lumps and Friable Particles in Aggregate	06/01/1995
T113	Lightweight Pieces in Aggregate	02/10/2022
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	06/01/1995
T255	Total Moisture Content of Aggregate by Drying	06/01/1995
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	06/01/1995
C29	Bulk Density (“Unit Weight”) and Voids in Aggregate	06/01/1995
C40	Organic Impurities in Fine Aggregates for Concrete	06/01/1995
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	06/01/1995
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	06/01/1995
C123	Lightweight Pieces in Aggregate	02/10/2022
C127	Specific Gravity and Absorption of Coarse Aggregate	06/01/1995
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	06/01/1995
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	06/01/1995
C136	Sieve Analysis of Fine and Coarse Aggregates	06/01/1995

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Aggregate (Continued)

Standard:		Accredited Since:
C142	Clay Lumps and Friable Particles in Aggregate	06/01/1995
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	06/01/1995
C566	Total Moisture Content of Aggregate by Drying	06/01/1995
C702	Reducing Samples of Aggregate to Testing Size	06/01/1995
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	06/01/1995
D75	Sampling Aggregate	02/10/2022
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	06/01/1995
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	06/01/1995
D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	06/01/1995

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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	02/28/2012
E736 Cohesion/Adhesion of Sprayed Fire-Resistive MaterialsApplied to Structural Members	02/28/2012

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Concrete

Standard:		Accredited Since:
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	**Suspended**
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	**Suspended**
C39	Compressive Strength of Cylindrical Concrete Specimens	**Suspended**
C42 (Drilling Cores of Concrete)	Drilling Cores of Concrete	**Suspended**
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	**Suspended**
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	**Suspended**
C138	Density (Unit Weight), Yield, and Air Content of Concrete	**Suspended**
C143	Slump of Hydraulic Cement Concrete	**Suspended**
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	**Suspended**
C172	Sampling Freshly Mixed Concrete	**Suspended**
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	**Suspended**
C192	Making and Curing Concrete Test Specimens in the Laboratory	**Suspended**
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	**Suspended**
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	**Suspended**
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	**Suspended**
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	**Suspended**
C642	Density, Absorption, and Voids in Hardened Concrete	**Suspended**
C1064	Temperature of Freshly Mixed Portland Cement Concrete	**Suspended**
C1140	Preparing and Testing Specimens from Shotcrete Test Panels	**Suspended**
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	**Suspended**
C1542	Measuring Length of Concrete Cores	**Suspended**
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	**Suspended**
C1604	Standard Test Method for Obtaining and Testing Drilled Cores of Shotcrete	**Suspended**

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Masonry

Standard:		Accredited Since:
C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	**Suspended**
C185	Air Content of Hydraulic Cement Mortar	**Suspended**
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	**Suspended**
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	**Suspended**
C1019	Sampling and Testing Grout	**Suspended**
C1314 (Prisms Constructed of Full-Size Concrete Masonry Units)	Compressive Strength of Masonry Prisms	**Suspended**
C1437	Flow of Hydraulic Cement Mortar	**Suspended**
C1506	Water Retention of Hydraulic Cement-Based Mortars and Plasters	**Suspended**
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	**Suspended**

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