AASHTO ACCREDITED

Certificate of Accreditation

American Association of State Highway and Transportation Officials

AASHTO

Triax Engineering, LLC

in

Commerce City, Colorado, 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:

Triax Engineering, LLC

in Commerce City, Colorado, USA

Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	09/15/2017
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	11/16/2017
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	11/16/2017
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	12/06/2024
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	04/30/2019
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	09/15/2017
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	09/15/2017
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/30/2019
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	09/15/2017
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	03/10/2021
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	12/06/2024
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	09/15/2017
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/30/2019

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Asphalt Mixture

Standard:		Accredited Since:
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	09/15/2017
R97	Sampling Bituminous Paving Mixtures	06/03/2022
T30	Mechanical Analysis of Extracted Aggregate	09/15/2017
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	04/30/2019
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	09/15/2017
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	09/15/2017
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	09/15/2017
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	09/15/2017
T355	Density of Bituminous Concrete In Place by Nuclear Methods	04/30/2019
D979	Sampling Bituminous Paving Mixtures	04/30/2019
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	04/30/2019
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	04/30/2019
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	09/15/2017
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	04/30/2019
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	07/25/2022
D5444	Mechanical Analysis of Extracted Aggregate	04/30/2019
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	04/30/2019
CP-L 5115	HMA Superpave Gyratory Compactor (Colorado)	04/30/2019

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	09/15/2017
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	09/15/2017
T90	Plastic Limit of Soils (Atterberg Limits)	09/15/2017
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	09/15/2017
T134	Moisture-Density Relations of Soil-Cement Mixtures	09/15/2017
T135	Wetting-and-Drying Test of Compacted Soil-Cement Mixtures	07/25/2022
T136	Freezing-and-Thawing Tests of Compacted Soil-Cement Mixtures	07/25/2022
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	09/15/2017
T190	Resistance R-Value and Expansion Pressure of Compacted Soils	08/20/2025
T193	The California Bearing Ratio	07/19/2023
T208	Unconfined Compressive Strength of Cohesive Soil	09/15/2017
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	04/30/2019
T265	Laboratory Determination of Moisture Content of Soils	09/15/2017
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	09/15/2017
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	09/15/2017
D558	Moisture-Density Relations of Soil-Cement Mixtures	09/15/2017
D559	Wetting-and-Drying Test of Compacted Soil-Cement Mixtures	07/25/2022
D560	Freezing-and-Thawing Tests of Compacted Soil-Cement Mixtures	07/25/2022
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	09/15/2017
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	09/15/2017
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	09/15/2017
D1633	Compressive Strength of Molded Soil-Cement Cylinders	07/25/2022
D1883	The California Bearing Ratio	07/19/2023

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Soil (Continued)

Standard:	Accredited Since:
D2166 Unconfined Compressive Strength of Cohesive Soil	09/15/2017
D2216 Laboratory Determination of Moisture Content of Soils	09/15/2017
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	04/30/2019
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	09/15/2017
D2488 Description and Identification of Soils (Visual-Manual Procedure)	09/15/2017
D2844 Resistance R-Value and Expansion Pressure of Compacted Soils	08/20/2025
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	09/15/2017
D4318 Plastic Limit of Soils (Atterberg Limits)	09/15/2017
D4718 Oversize Particle Correction	07/25/2022
D4972 pH Testing of Soils	04/30/2019
D5334 Determination of Thermal Conductivity of Soil and Rock by Thermal Needle Probe	08/20/2025
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	09/15/2017
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	09/15/2017
G57 Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	08/20/2025

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Aggregate

Standard:		Accredited Since:
C29	Bulk Density (“Unit Weight”) and Voids in Aggregate	03/09/2021
C40	Organic Impurities in Fine Aggregates for Concrete	12/06/2024
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	11/16/2017
C127	Specific Gravity and Absorption of Coarse Aggregate	11/16/2017
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	11/16/2017
C136	Sieve Analysis of Fine and Coarse Aggregates	11/16/2017
C566	Total Moisture Content of Aggregate by Drying	11/16/2017
C702	Reducing Samples of Aggregate to Testing Size	11/16/2017
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	12/06/2024
D75	Sampling Aggregate	07/19/2023
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	11/16/2017

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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	04/30/2019
E736 Cohesion/Adhesion of Sprayed Fire-Resistive MaterialsApplied to Structural Members	04/30/2019

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Concrete

Standard:		Accredited Since:
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	11/16/2017
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	11/16/2017
C39	Compressive Strength of Cylindrical Concrete Specimens	11/16/2017
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	11/16/2017
C138	Density (Unit Weight), Yield, and Air Content of Concrete	11/16/2017
C143	Slump of Hydraulic Cement Concrete	11/16/2017
C172	Sampling Freshly Mixed Concrete	11/16/2017
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	11/16/2017
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/16/2017
C617 (5000 psi and below)	Capping Cylindrical Concrete Specimens	09/09/2024
C1064	Temperature of Freshly Mixed Portland Cement Concrete	11/16/2017
C1231 (6000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	09/09/2024

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Masonry

Standard:		Accredited Since:
C140 (Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	12/06/2024
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	03/09/2021
C1019	Sampling and Testing Grout	03/09/2021
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	12/06/2024

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