



CERTIFICATE OF ACCREDITATION



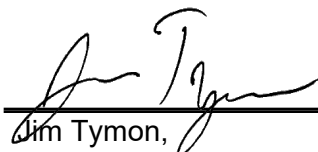
SHN Consulting Engineers & Geologists, Inc.

in

Eureka, California, 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:

SHN Consulting Engineers & Geologists, Inc.
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Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	03/15/2002
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	11/07/2012
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	12/16/2021
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	03/24/2020
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	12/16/2021
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/02/2014
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	03/24/2020



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	02/26/2009
T88	Particle Size Analysis of Soils by Hydrometer	02/26/2009
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	02/26/2009
T90	Plastic Limit of Soils (Atterberg Limits)	02/26/2009
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/26/2009
T100	Specific Gravity of Soils	02/26/2009
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/26/2009
T208	Unconfined Compressive Strength of Cohesive Soil	07/22/2024
T265	Laboratory Determination of Moisture Content of Soils	02/26/2009
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	02/26/2009
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	02/26/2009
D422	Particle Size Analysis of Soils by Hydrometer	02/26/2009
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/26/2009
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/26/2009
D2166	Unconfined Compressive Strength of Cohesive Soil	07/22/2024
D2216	Laboratory Determination of Moisture Content of Soils	02/26/2009
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	02/26/2009
D4318	Plastic Limit of Soils (Atterberg Limits)	02/26/2009
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	02/26/2009



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Aggregate

Standard:

Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	06/10/2015
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	06/10/2015
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	02/26/2009
T21	Organic Impurities in Fine Aggregates for Concrete	06/10/2015
T27	Sieve Analysis of Fine and Coarse Aggregates	Suspended
T85	Specific Gravity and Absorption of Coarse Aggregate	06/10/2015
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	02/26/2009
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	05/10/2017
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	02/26/2009
T210	Aggregate Durability Index	01/25/2013
T255	Total Moisture Content of Aggregate by Drying	06/10/2015
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	02/26/2009
C40	Organic Impurities in Fine Aggregates for Concrete	02/26/2009
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	02/26/2009
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	02/26/2009
C127	Specific Gravity and Absorption of Coarse Aggregate	02/26/2009
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	02/26/2009
C136	Sieve Analysis of Fine and Coarse Aggregates	Suspended
C566	Total Moisture Content of Aggregate by Drying	02/26/2009
C702	Reducing Samples of Aggregate to Testing Size	02/26/2009
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	02/26/2009
D3744	Aggregate Durability Index	01/25/2013



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Concrete

Standard:

Accredited Since:

C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	03/15/2002
C39	Compressive Strength of Cylindrical Concrete Specimens	03/15/2002
C42 (Drilling Cores of Concrete)	Drilling Cores of Concrete	03/15/2002
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	03/15/2002
C138	Density (Unit Weight), Yield, and Air Content of Concrete	03/15/2002
C143	Slump of Hydraulic Cement Concrete	03/15/2002
C172	Sampling Freshly Mixed Concrete	03/15/2002
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	09/03/2014
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	03/15/2002
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/03/2014
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	03/15/2002
C1064	Temperature of Freshly Mixed Portland Cement Concrete	03/15/2002
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	03/15/2002
C1542	Measuring Length of Concrete Cores	01/27/2016