



CERTIFICATE OF ACCREDITATION



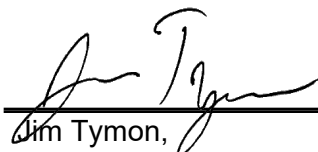
TTL, Inc.
dba
TTL Consulting, Inc.

in

San Antonio, Texas, 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

This certificate was generated on 10/27/2026 at 2:39 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



SCOPE OF AASHTO ACCREDITATION FOR:

TTL, Inc. dba TTL Consulting, Inc.

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Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	05/06/2013
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	Suspended
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	04/15/2014
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	05/06/2013
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	Suspended
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/15/2014
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/06/2013



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Asphalt Mixture

Standard:

Accredited Since:

T166 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	01/06/2025
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	01/06/2025
T245 (Cores)	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus (Cores)	01/06/2025
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	01/06/2025
T355	Density of Bituminous Concrete In Place by Nuclear Methods	01/06/2025
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	09/18/2018
D2726 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	09/18/2018
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	07/28/2014
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	01/06/2025
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	10/20/2021
D6927 (Cores)	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus (Cores)	09/18/2018



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Soil

Standard:

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T289	pH of Soils for Corrosion Testing	01/06/2025
T290 (Method B)	Determining Water-Soluble Sulfate Ion Content in Soil	10/20/2021
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	07/28/2014
D422	Particle Size Analysis of Soils by Hydrometer	05/06/2013
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	08/01/2014
D854	Specific Gravity of Soils	05/06/2013
D1140	Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	05/06/2013
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	08/01/2014
D1883	The California Bearing Ratio	07/28/2014
D2166	Unconfined Compressive Strength of Cohesive Soil	07/28/2014
D2216	Laboratory Determination of Moisture Content of Soils	05/06/2013
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	05/06/2013
D2850	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	09/13/2016
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	05/06/2013
D4318	Plastic Limit of Soils (Atterberg Limits)	05/06/2013
D4643	Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	07/28/2014
D4718	Oversize Particle Correction	07/28/2014
D4972	pH Testing of Soils	Suspended
D6913	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	05/06/2013
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	07/28/2014



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Aggregate

Standard:

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R76 Reducing Samples of Aggregate to Testing Size	02/10/2014
T11 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	02/10/2014
T21 Organic Impurities in Fine Aggregates for Concrete	02/10/2014
T27 Sieve Analysis of Fine and Coarse Aggregates	02/10/2014
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/10/2014
T85 Specific Gravity and Absorption of Coarse Aggregate	Suspended
T255 Total Moisture Content of Aggregate by Drying	02/10/2014
C40 Organic Impurities in Fine Aggregates for Concrete	02/10/2014
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	02/10/2014
C127 Specific Gravity and Absorption of Coarse Aggregate	Suspended
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/10/2014
C136 Sieve Analysis of Fine and Coarse Aggregates	02/10/2014
C566 Total Moisture Content of Aggregate by Drying	02/10/2014
C702 Reducing Samples of Aggregate to Testing Size	02/10/2014



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Concrete

Standard:

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C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	09/10/2021
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	09/10/2021
C39	Compressive Strength of Cylindrical Concrete Specimens	02/10/2014
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	09/10/2021
C138	Density (Unit Weight), Yield, and Air Content of Concrete	02/10/2014
C143	Slump of Hydraulic Cement Concrete	02/10/2014
C172	Sampling Freshly Mixed Concrete	02/10/2014
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/10/2014
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	02/10/2014
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	02/10/2014
C617 (8000 psi and below)	Capping Cylindrical Concrete Specimens	02/21/2024
C1064	Temperature of Freshly Mixed Portland Cement Concrete	02/10/2014
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	02/10/2014
C1611	Slump Flow of Self-Consolidating Concrete	09/10/2021



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Masonry

Standard:

Accredited Since:

C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes

10/15/2024

C1019 Sampling and Testing Grout

10/15/2024