



# CERTIFICATE OF ACCREDITATION



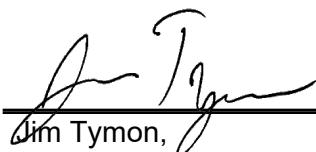
## Youngdahl Consulting Group, Inc.

in

### El Dorado Hills, 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](http://aashtoresource.org)).



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Jim Tymon,  
AASHTO Executive Director



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Matt Linneman  
AASHTO COMP Chair



# SCOPE OF AASHTO ACCREDITATION FOR:

Youngdahl Consulting Group, Inc.  
in El Dorado Hills, California, USA

## Quality Management System

### Standard:

### Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	12/01/1997
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	10/23/2020
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	06/12/2018
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	02/10/2016
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	10/01/2025
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/23/2020
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/12/2018
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/16/2021
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/01/2025
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/24/2025



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### Asphalt Mixture

**Standard:****Accredited Since:**

T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	09/01/2020
T275 (Cores)	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens (Cores)	09/01/2020
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	04/06/2018



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## Soil

### Standard:

### Accredited Since:

T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	09/01/2020
T265	Laboratory Determination of Moisture Content of Soils	09/01/2020
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	11/15/2000
D854	Specific Gravity of Soils	11/15/2000
D1140	Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve	11/15/2000
D1556	Density of Soil In-Place by the Sand Cone Method	11/15/2000
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	11/15/2000
D2166	Unconfined Compressive Strength of Cohesive Soil	11/15/2000
D2216	Laboratory Determination of Moisture Content of Soils	11/15/2000
D2435	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	05/08/2015
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	11/15/2000
D2488	Description and Identification of Soils (Visual-Manual Procedure)	11/15/2000
D2844	Resistance R-Value and Expansion Pressure of Compacted Soils	11/15/2000
D2850	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	09/01/2020
D3080	Direct Shear Test of Soils Under Consolidated Drained Conditions	11/15/2000
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	11/15/2000
D4318	Plastic Limit of Soils (Atterberg Limits)	11/15/2000
D4546	One-Dimensional Swell or Settlement Potential of Cohesive Soils	03/03/2015
D4643	Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	11/14/2012
D4767	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	03/16/2023
D4829	Expansion Index of Soils	11/14/2012
D5084	Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	11/15/2000
D6913	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	07/26/2016



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### Soil (Continued)

**Standard:****Accredited Since:**

D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)

11/15/2000

D7263 Density and Unit Weight of Soil

03/16/2023

D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis

04/06/2018



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## Aggregate

### Standard:

### Accredited Since:

C29	Bulk Density ("Unit Weight") and Voids in Aggregate	12/01/1997
C40	Organic Impurities in Fine Aggregates for Concrete	12/01/1997
C117	Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	12/01/1997
C127	Specific Gravity and Absorption of Coarse Aggregate	12/01/1997
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	12/01/1997
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	12/01/1997
C136	Sieve Analysis of Fine and Coarse Aggregates	12/01/1997
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	11/14/2012
C566	Total Moisture Content of Aggregate by Drying	12/01/1997
C702	Reducing Samples of Aggregate to Testing Size	12/01/1997
D75	Sampling Aggregate	11/14/2012
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	12/01/1997
D3744	Aggregate Durability Index	12/01/1997



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### Sprayed Fire-Resistive Material

#### Standard:

E605 Thickness and Density of Sprayed Fire-Resistive Material(SFRM) Applied to Structural Members

#### Accredited Since:

11/14/2012

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

11/14/2012



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## Concrete

### Standard:

### Accredited Since:

C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	12/01/1997
C39	Compressive Strength of Cylindrical Concrete Specimens	12/01/1997
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	02/10/2016
C138	Density (Unit Weight), Yield, and Air Content of Concrete	12/01/1997
C143	Slump of Hydraulic Cement Concrete	12/01/1997
C172	Sampling Freshly Mixed Concrete	12/01/1997
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	12/01/1997
C192	Making and Curing Concrete Test Specimens in the Laboratory	02/10/2016
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	12/01/1997
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/09/2013
C617 (5000 psi and below)	Capping Cylindrical Concrete Specimens	11/26/2024
C1064	Temperature of Freshly Mixed Portland Cement Concrete	12/01/1997
C1140 (Obtaining and Testing Specimens)	Preparing and Testing Specimens from Shotcrete Test Panels	06/12/2018
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	12/01/1997
C1542	Measuring Length of Concrete Cores	02/10/2016
C1604	Standard Test Method for Obtaining and Testing Drilled Cores of Shotcrete	02/10/2016



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### Controlled Low Strength Material (CLSM)

#### Standard:

D4832 Preparation and Testing of Controlled Low Strength Material (CLSM) Test Cylinders

#### Accredited Since:

07/16/2021

D5971 Sampling Freshly Mixed Controlled Low-Strength Material (CLSM)

07/16/2021



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## Masonry

### Standard:

### Accredited Since:

C140 (Concrete Masonry Units) Sampling and Testing Concrete Masonry Units and Related Units	02/10/2016
C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	02/10/2016
C780 (Annex 1) Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	07/16/2021
C780 (Annex 6 - Cubes) Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cubes	11/26/2024
C780 (Annex 6 - Cylinders) Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cylinders	07/16/2021
C1019 Sampling and Testing Grout	02/10/2016
C1314 Compressive Strength of Masonry Prisms	02/10/2016
C1552 Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	02/10/2016