



CERTIFICATE OF ACCREDITATION



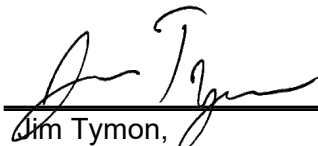
Group Delta Consultants, Inc.

in

Anaheim, 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:

Group Delta Consultants, Inc.

in Anaheim, California, USA

Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	05/01/2000
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	07/09/2013
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	04/30/2025
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	07/07/2026
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	07/07/2026
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	07/07/2026
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/18/2013
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/07/2026
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/30/2025
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/07/2026
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/11/2023



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Asphalt Mixture

Standard:

Accredited Since:

R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	09/13/2019
T30	Mechanical Analysis of Extracted Aggregate	03/21/2008
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/21/2008
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	10/26/2023
T246	Resistance to Deformation and Cohesion of Bituminous Mixtures by Means of Hveem Apparatus	12/03/2012
T247	Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	12/03/2012
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	12/03/2012
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	11/09/2022
T355	Density of Bituminous Concrete In Place by Nuclear Methods	09/13/2019
D1560 (Stability)	Resistance to Deformation of Bituminous Mixtures by Means of Hveem Apparatus	12/03/2012
D1561	Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	12/03/2012
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	10/26/2023
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/21/2008
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	09/13/2019
D5444	Mechanical Analysis of Extracted Aggregate	03/21/2008
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	12/03/2012



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	12/03/2012
T88	Particle Size Analysis of Soils by Hydrometer	12/03/2012
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	12/03/2012
T90	Plastic Limit of Soils (Atterberg Limits)	12/03/2012
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/06/2017
T100	Specific Gravity of Soils	06/09/2014
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	12/03/2012
T190	Resistance R-Value and Expansion Pressure of Compacted Soils	12/03/2012
T191	Density of Soil In-Place by the Sand Cone Method	06/09/2014
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	06/09/2014
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	11/09/2022
T265	Laboratory Determination of Moisture Content of Soils	12/03/2012
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	12/03/2012
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	12/03/2012
D422	Particle Size Analysis of Soils by Hydrometer	12/03/2012
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/06/2017
D854	Specific Gravity of Soils	06/09/2014
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	12/03/2012
D1556	Density of Soil In-Place by the Sand Cone Method	06/09/2014
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	12/03/2012
D2216	Laboratory Determination of Moisture Content of Soils	12/03/2012
D2435	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	06/09/2014
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	12/03/2012



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Soil (Continued)

Standard:	Accredited Since:
D2844 Resistance R-Value and Expansion Pressure of Compacted Soils	12/03/2012
D3080 Direct Shear Test of Soils Under Consolidated Drained Conditions	11/09/2022
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	12/03/2012
D4318 Plastic Limit of Soils (Atterberg Limits)	03/06/2017
D4829 Expansion Index of Soils	12/03/2012
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	09/13/2019
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	12/03/2012



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Aggregate

Standard:

Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	06/09/2014
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	06/09/2014
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	06/09/2014
T21	Organic Impurities in Fine Aggregates for Concrete	03/06/2017
T27	Sieve Analysis of Fine and Coarse Aggregates	06/09/2014
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	06/09/2014
T85	Specific Gravity and Absorption of Coarse Aggregate	06/09/2014
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	03/06/2017
T112	Clay Lumps and Friable Particles in Aggregate	06/09/2014
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	05/01/2000
T210	Aggregate Durability Index	12/03/2012
T255	Total Moisture Content of Aggregate by Drying	06/09/2014
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	03/06/2017
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	05/01/2000
C40	Organic Impurities in Fine Aggregates for Concrete	05/01/2000
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	05/01/2000
C127	Specific Gravity and Absorption of Coarse Aggregate	05/01/2000
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	05/01/2000
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	03/06/2017
C136	Sieve Analysis of Fine and Coarse Aggregates	05/01/2000
C142	Clay Lumps and Friable Particles in Aggregate	05/01/2000
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	03/06/2017
C566	Total Moisture Content of Aggregate by Drying	05/01/2000



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Aggregate (Continued)

Standard:

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C702 Reducing Samples of Aggregate to Testing Size	05/01/2000
C1252 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	03/06/2017
D2419 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	05/01/2000
D3744 Aggregate Durability Index	12/03/2012
D4791 Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	06/09/2014



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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

07/13/2015

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

07/13/2015



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Iron and Steel

Standard:

Accredited Since:

M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	09/13/2019
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	09/13/2019
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	09/13/2019
M31-T285	Carbon-Steel Bars, Deformed and Plain: Bend Test	09/13/2019
M203-T244	Steel Strand, Uncoated Seven-Wire: Tension (Elongation)	09/13/2019
M203-T244	Steel Strand, Uncoated Seven-Wire: Tension (Ultimate Tensile Strength)	09/13/2019
M203-T244	Steel Strand, Uncoated Seven-Wire: Tension (Yield Strength)	09/13/2019
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	07/13/2015
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	07/13/2015
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	07/13/2015
A615-E290	Carbon-Steel Bars, Deformed and Plain: Bend Test	06/09/2014
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation)	07/13/2015
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	07/13/2015
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength)	07/13/2015
A706-E290	Low Alloy Steel Bars, Deformed and Plain: Bend Test	06/24/2014
A416-A1061	Steel Strand, Uncoated Seven-Wire: Tension (Elongation)	07/13/2015
A416-A1061	Steel Strand, Uncoated Seven-Wire: Tension (Ultimate Tensile Strength)	07/13/2015
A416-A1061	Steel Strand, Uncoated Seven-Wire: Tension (Yield Strength)	07/13/2015



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Concrete

Standard:

Accredited Since:

M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/27/2021
R39	Making and Curing Concrete Test Specimens in the Laboratory	10/27/2021
R60	Sampling Freshly Mixed Concrete	10/27/2021
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	10/27/2021
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	10/27/2021
T22	Compressive Strength of Cylindrical Concrete Specimens	10/27/2021
T24 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	10/27/2021
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	10/27/2021
T119	Slump of Hydraulic Cement Concrete	10/27/2021
T121	Density (Unit Weight), Yield, and Air Content of Concrete	10/27/2021
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	10/27/2021
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	10/27/2021
T231 (6000 psi and below)	Capping Cylindrical Concrete Specimens	10/27/2021
T309	Temperature of Freshly Mixed Portland Cement Concrete	10/27/2021
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	05/01/2000
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	05/01/2000
C39	Compressive Strength of Cylindrical Concrete Specimens	05/01/2000
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	05/01/2000
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	05/01/2000
C138	Density (Unit Weight), Yield, and Air Content of Concrete	05/01/2000
C143	Slump of Hydraulic Cement Concrete	05/01/2000
C172	Sampling Freshly Mixed Concrete	05/01/2000
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	05/01/2000



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Concrete (Continued)

Standard:		Accredited Since:
C192	Making and Curing Concrete Test Specimens in the Laboratory	05/01/2000
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	05/01/2000
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/23/2013
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	10/27/2021
C1064	Temperature of Freshly Mixed Portland Cement Concrete	05/01/2000
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	12/17/2011
C1542	Measuring Length of Concrete Cores	02/29/2016



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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

06/09/2014

C1019 Sampling and Testing Grout

06/09/2014