



CERTIFICATE OF ACCREDITATION



United Testing, LLC.

dba

United-Heider Inspection Group – an Engineering & Testing Services, LLC company

in

Riverside, 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).

A handwritten signature in black ink, appearing to read 'Jim Tymon', written over a horizontal line.

Jim Tymon,
AASHTO Executive Director

A handwritten signature in black ink, appearing to read 'Moe Jamshidi', written over a horizontal line.

Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 08/06/2020 at 9:47 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



SCOPE OF AASHTO ACCREDITATION FOR:

United Testing, LLC. dba United-Heider Inspection Group – an Engineering & Testing Services, LLC company
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Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	01/09/2006
ISO/IEC 17025	General Requirements for the Competence of Testing and Calibration Laboratories	12/07/2018
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	08/16/2017
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	04/04/2011
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	07/21/2011
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	12/10/2018
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	10/04/2019
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	06/30/2017
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	08/16/2017
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	11/27/2012



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Asphalt Mixture

Standard:

Accredited Since:

T275 Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	03/26/2018
D2041 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	03/26/2018
D2726 Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/26/2018
D2950 Density of Bituminous Concrete In Place by Nuclear Methods	03/26/2018
D3203 Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/26/2018
D5444 Mechanical Analysis of Extracted Aggregate	03/26/2018
D6307 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	03/26/2018
D6926 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	03/26/2018
D6927 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	03/26/2018



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Soil

Standard:

Accredited Since:

T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/09/2006
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/09/2006
T191	Density of Soil In-Place by the Sand Cone Method	01/09/2006
T265	Laboratory Determination of Moisture Content of Soils	01/09/2006
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/09/2006
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/09/2006
D1140	Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	06/30/2017
D1556	Density of Soil In-Place by the Sand Cone Method	01/09/2006
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/09/2006
D2216	Laboratory Determination of Moisture Content of Soils	01/09/2006
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	01/09/2006
D2488	Description and Identification of Soils (Visual-Manual Procedure)	01/09/2006
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	08/16/2017
D4318	Plastic Limit of Soils (Atterberg Limits)	08/16/2017
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/09/2006



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Aggregate

Standard:

Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	01/09/2006
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	01/09/2006
T19	Bulk Density (“Unit Weight”) and Voids in Aggregate	01/09/2006
T21	Organic Impurities in Fine Aggregates for Concrete	01/09/2006
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/09/2006
T85	Specific Gravity and Absorption of Coarse Aggregate	01/09/2006
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	01/09/2006
T112	Clay Lumps and Friable Particles in Aggregate	01/09/2006
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	01/09/2006
T210	Aggregate Durability Index	01/09/2006
T255	Total Moisture Content of Aggregate by Drying	01/09/2006
C29	Bulk Density (“Unit Weight”) and Voids in Aggregate	01/09/2006
C40	Organic Impurities in Fine Aggregates for Concrete	01/09/2006
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	01/09/2006
C127	Specific Gravity and Absorption of Coarse Aggregate	01/09/2006
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/09/2006
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	01/09/2006
C136	Sieve Analysis of Fine and Coarse Aggregates	08/16/2017
C142	Clay Lumps and Friable Particles in Aggregate	01/09/2006
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	10/03/2012
C566	Total Moisture Content of Aggregate by Drying	01/09/2006
C702	Reducing Samples of Aggregate to Testing Size	01/09/2006
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	01/09/2006



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Aggregate (Continued)

Standard:

D3744 Aggregate Durability Index

Accredited Since:

01/09/2006



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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

10/03/2012

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

10/03/2012



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Iron and Steel

Standard:

Accredited Since:

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	12/03/2008
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	08/22/2011



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Concrete

Standard:		Accredited Since:
C31	Making and Curing Concrete Test Specimens in the Field	10/31/2018
C39	Compressive Strength of Cylindrical Concrete Specimens	05/04/2006
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	10/31/2018
C138	Density (Unit Weight), Yield, and Air Content of Concrete	04/04/2011
C143	Slump of Hydraulic Cement Concrete	05/04/2006
C172	Sampling Freshly Mixed Concrete	05/04/2006
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	05/04/2006
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	05/04/2006
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	12/06/2013
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	12/06/2013
C1064	Temperature of Freshly Mixed Portland Cement Concrete	05/04/2006
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	12/06/2013



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Masonry

Standard:

Accredited Since:

C140 (Concrete Masonry Units) Sampling and Testing Concrete Masonry Units and Related Units	01/23/2014
C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/02/2014
C1019 Sampling and Testing Grout	12/03/2008
C1314 Compressive Strength of Masonry Prisms	02/18/2016
C1552 Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	12/03/2008