



AASHTO
ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION
OF STATE HIGHWAY AND
TRANSPORTATION OFFICIALS

AASHTO

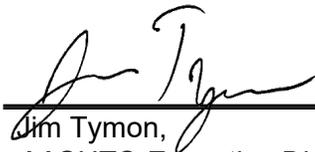
Panhandle Geotechnical & Environmental, Inc.

in

Scottsbluff, Nebraska, 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:

Panhandle Geotechnical & Environmental, Inc.

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Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	05/15/2001
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	01/10/2011
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/19/2014
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011



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Asphalt Mixture

Standard:

Accredited Since:

D2041 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	04/22/2003
D2726 Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	04/22/2003
D3203 Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	04/22/2003
D3549 Thickness or Height of Compacted Bituminous Paving Mixture Specimens	08/26/2021
D5444 Mechanical Analysis of Extracted Aggregate	04/22/2003
D6307 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	04/22/2003
D6926 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	04/22/2003
D6927 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	11/20/2013



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Soil

Standard:

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D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	04/22/2003
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	04/22/2003
D1140 Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	04/22/2003
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	04/22/2003
D2216 Laboratory Determination of Moisture Content of Soils	04/22/2003
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	04/22/2003
D2488 Description and Identification of Soils (Visual-Manual Procedure)	04/22/2003
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	04/22/2003
D4318 Plastic Limit of Soils (Atterberg Limits)	04/22/2003
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	04/22/2003



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Aggregate

Standard:

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C29	Bulk Density ("Unit Weight") and Voids in Aggregate	04/22/2003
C40	Organic Impurities in Fine Aggregates for Concrete	04/22/2003
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	01/02/2015
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	Suspended
C127	Specific Gravity and Absorption of Coarse Aggregate	04/22/2003
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	04/22/2003
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	04/22/2003
C136	Sieve Analysis of Fine and Coarse Aggregates	Suspended
C566	Total Moisture Content of Aggregate by Drying	04/22/2003
C702	Reducing Samples of Aggregate to Testing Size	04/22/2003
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	04/22/2003
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	04/22/2003
D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	04/22/2003



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Concrete

Standard:		Accredited Since:
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	05/15/2001
C39	Compressive Strength of Cylindrical Concrete Specimens	05/15/2001
C138	Density (Unit Weight), Yield, and Air Content of Concrete	05/15/2001
C143	Slump of Hydraulic Cement Concrete	05/15/2001
C172	Sampling Freshly Mixed Concrete	05/15/2001
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	05/15/2001
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	07/16/2013
C1064	Temperature of Freshly Mixed Portland Cement Concrete	05/15/2001
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	07/16/2013