# Certificate of Accreditation

# Ackenheil Engineers, Inc.

in

## Pittsburgh, Pennsylvania, 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 06/08/2026 at 11:59 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

# Scope of AASHTO Accreditation for:

Ackenheil Engineers, Inc.

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## Quality Management System

| Standard: | | Accredited Since: |
|---|---|---|
| R18 | Establishing and Implementing a Quality System for Construction Materials Testing Laboratories | 12/01/1992 |
| C1077 (Concrete) | Laboratories Testing Concrete and Concrete Aggregates | 01/10/2011 |
| D3666 (Asphalt Mixture) | Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials | 01/03/2013 |
| D3740 (Soil) | Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction | 03/10/2015 |
| E329 (Asphalt Mixture) | Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction | 05/04/2018 |
| E329 (Concrete) | Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction | 01/10/2011 |
| E329 (Soil) | Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction | 02/09/2018 |

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## Asphalt Mixture

| Standard: | | Accredited Since: |
|---|---|---|
| R97 | Sampling Bituminous Paving Mixtures | 08/09/2023 |
| T166 (Cores) | Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores) | 12/20/2016 |
| T355 | Density of Bituminous Concrete In Place by Nuclear Methods | 05/04/2018 |
| D979 | Sampling Bituminous Paving Mixtures | 05/04/2018 |
| D2726 (Cores) | Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores) | 12/20/2016 |
| D2950 | Density of Bituminous Concrete In Place by Nuclear Methods | 05/04/2018 |

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## Soil

| Standard: | | Accredited Since: |
|---|---|---|
| R58 | Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test | 12/01/1992 |
| T88 | Particle Size Analysis of Soils by Hydrometer | 04/29/2020 |
| T89 | Determining the Liquid Limit of Soils (Atterberg Limits) | 12/01/1992 |
| T90 | Plastic Limit of Soils (Atterberg Limits) | 12/01/1992 |
| T99 | The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop | 12/01/1992 |
| T100 | Specific Gravity of Soils | 10/23/2020 |
| T180 | Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop | 12/01/1992 |
| T193 | The California Bearing Ratio | 12/01/1992 |
| T208 | Unconfined Compressive Strength of Cohesive Soil | 08/09/2023 |
| T216 | One-Dimensional Consolidation Properties of Soils Using Incremental Loading | 05/13/2011 |
| T236 | Direct Shear Test of Soils Under Consolidated Drained Conditions | 05/13/2011 |
| T265 | Laboratory Determination of Moisture Content of Soils | 12/01/1992 |
| T267 | Determination of Organic Content in Soils by Loss on Ignition | 04/29/2026 |
| T288 | Minimum Soil Resistivity | 02/09/2018 |
| T289 | pH of Soils for Corrosion Testing | 02/09/2018 |
| T310 | In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth) | 02/09/2018 |
| D421 | Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test | 12/01/1992 |
| D422 | Particle Size Analysis of Soils by Hydrometer | 04/29/2020 |
| D698 | The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop | 12/01/1992 |
| D854 | Specific Gravity of Soils | 05/13/2011 |
| D1140 | Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve | 06/14/2014 |
| D1557 | Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop | 12/01/1992 |
| D1883 | The California Bearing Ratio | 12/01/1992 |

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## Soil (Continued)

| Standard: | Accredited Since: |
|---|---|
| D2166 Unconfined Compressive Strength of Cohesive Soil | 08/09/2023 |
| D2216 Laboratory Determination of Moisture Content of Soils | 12/01/1992 |
| D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading | 05/13/2011 |
| D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System) | 12/01/1992 |
| D2974 Determination of Organic Content in Soils by Loss on Ignition | 04/29/2026 |
| D3080 Direct Shear Test of Soils Under Consolidated Drained Conditions | 05/13/2011 |
| D4318 Determining the Liquid Limit of Soils (Atterberg Limits) | 12/01/1992 |
| D4318 Plastic Limit of Soils (Atterberg Limits) | 12/01/1992 |
| D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth) | 02/09/2018 |

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## Rock

| Standard: | | Accredited Since: |
|---|---|---|
| D4543 | Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances | 04/29/2026 |
| D4644 | Slake Durability of Shales and Weak Rocks | 04/29/2020 |
| D5731 | Point Load Strength Index of Rock | 04/29/2020 |
| D7012 (Method C) | Compressive Strength of Rock Core Specimens (Method C) | 04/29/2026 |

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## Concrete

| Standard: | | Accredited Since: |
|---|---|---|
| C31 (Beams) | Making and Curing Concrete Test Specimens in the Field | 12/28/2010 |
| C31 (Cylinders) | Making and Curing Concrete Test Specimens in the Field | 12/28/2010 |
| C39 | Compressive Strength of Cylindrical Concrete Specimens | 12/28/2010 |
| C78 | Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading) | 12/28/2010 |
| C138 | Density (Unit Weight), Yield, and Air Content of Concrete | 12/28/2010 |
| C143 | Slump of Hydraulic Cement Concrete | 12/28/2010 |
| C172 | Sampling Freshly Mixed Concrete | 12/28/2010 |
| C173 | Air Content of Freshly Mixed Concrete by the Volumetric Method | 12/28/2010 |
| C231 | Air Content of Freshly Mixed Concrete by the Pressure Method | 12/28/2010 |
| C511 | Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes | 04/28/2014 |
| C617 (7000 psi and below) | Capping Cylindrical Concrete Specimens | 12/28/2010 |
| C1064 | Temperature of Freshly Mixed Portland Cement Concrete | 12/28/2010 |
| C1231 (7000 psi and below) | Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders | 12/28/2010 |