



# CERTIFICATE OF ACCREDITATION



## Bowser-Morner, Inc.

in

### Toledo, Ohio, 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:

Bowser-Morner, Inc.  
in Toledo, Ohio, USA

## Quality Management System

### Standard:

### Accredited Since:

|                         |  |            |
|-------------------------|--|------------|
| R18                     | Establishing and Implementing a Quality System for Construction Materials Testing Laboratories   | 05/01/1996 |
| ISO/IEC 17025           | General Requirements for the Competence of Testing and Calibration Laboratories  | 06/15/2002 |
| C1077 (Aggregate)       | Laboratories Testing Concrete and Concrete Aggregates  | 08/16/2013 |
| C1077 (Concrete)        | Laboratories Testing Concrete and Concrete Aggregates  | 08/16/2013 |
| D3666 (Aggregate)       | Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials   | 08/16/2013 |
| D3666 (Asphalt Mixture) | Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials   | 08/16/2013 |
| D3740 (Soil)            | Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction | 08/16/2013 |
| E329 (Aggregate)        | Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction                         | 08/16/2013 |
| E329 (Asphalt Mixture)  | Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction                         | 08/16/2013 |
| E329 (Concrete)         | Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction                         | 08/16/2013 |
| E329 (Soil)             | Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction                         | 08/16/2013 |



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## Asphalt Mixture

### Standard:

### Accredited Since:

|               |  |            |
|---------------|--|------------|
| T30           | Mechanical Analysis of Extracted Aggregate   | 05/01/1996 |
| T164          | Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)                             | 05/01/1996 |
| T166 (Cores)  | Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores) | 07/08/2024 |
| T209          | Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures                                      | 05/01/1996 |
| T245          | Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus                          | 05/01/1996 |
| T269          | Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures                         | 05/01/1996 |
| D2041         | Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures                                      | 05/01/1996 |
| D2172         | Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)                             | 05/01/1996 |
| D2726 (Cores) | Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores) | 07/08/2024 |
| D3203         | Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures                         | 05/01/1996 |
| D3549         | Thickness or Height of Compacted Bituminous Paving Mixture Specimens                             | 01/15/2021 |
| D5444         | Mechanical Analysis of Extracted Aggregate   | 05/01/1996 |
| D6927         | Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus                          | 05/01/1996 |



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## Soil

### Standard:

### Accredited Since:

|       |   |            |
|-------|---|------------|
| R58   | Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test                               | 05/01/1997 |
| T88   | Particle Size Analysis of Soils by Hydrometer   | 05/01/1997 |
| T89   | Determining the Liquid Limit of Soils (Atterberg Limits)  | 05/01/1997 |
| T90   | Plastic Limit of Soils (Atterberg Limits)   | 05/01/1997 |
| T99   | The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop   | 05/01/1997 |
| T100  | Specific Gravity of Soils   | 05/01/1997 |
| T180  | Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop      | 05/01/1997 |
| T208  | Unconfined Compressive Strength of Cohesive Soil  | 05/01/1997 |
| T265  | Laboratory Determination of Moisture Content of Soils   | 05/01/1997 |
| T267  | Determination of Organic Content in Soils by Loss on Ignition                                       | 12/01/2011 |
| T310  | In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth) | 05/01/1997 |
| D421  | Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test                               | 05/01/1997 |
| D422  | Particle Size Analysis of Soils by Hydrometer   | 05/01/1997 |
| D698  | The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop   | 05/01/1997 |
| D854  | Specific Gravity of Soils   | 05/01/1997 |
| D1140 | Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve                              | 05/01/1997 |
| D1557 | Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop      | 05/01/1997 |
| D2166 | Unconfined Compressive Strength of Cohesive Soil  | 05/01/1997 |
| D2216 | Laboratory Determination of Moisture Content of Soils   | 05/01/1997 |
| D2487 | Classification of Soils for Engineering Purposes (Unified Soil Classification System)               | 05/01/1997 |
| D2974 | Determination of Organic Content in Soils by Loss on Ignition                                       | 12/01/2011 |
| D4318 | Determining the Liquid Limit of Soils (Atterberg Limits)  | 05/01/1997 |
| D4318 | Plastic Limit of Soils (Atterberg Limits)   | 05/01/1997 |



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## Soil (Continued)

**Standard:**

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

**Accredited Since:**

05/01/1997



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## Aggregate

### Standard:

### Accredited Since:

|  |            |
|--|------------|
| R76 Reducing Samples of Aggregate to Testing Size  | 05/01/1997 |
| R90 Sampling Aggregate   | 01/15/2021 |
| T11 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing                              | 05/01/1997 |
| T19 Bulk Density ("Unit Weight") and Voids in Aggregate  | 05/01/1997 |
| T27 Sieve Analysis of Fine and Coarse Aggregates   | 05/01/1997 |
| T37 Sieve Analysis of Mineral Filler for Road and Paving Materials   | 08/30/2018 |
| T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate                                     | 05/01/1997 |
| T85 Specific Gravity and Absorption of Coarse Aggregate  | 05/01/1997 |
| T96 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine  | 05/01/1997 |
| T255 Total Moisture Content of Aggregate by Drying   | 05/01/1997 |
| C29 Bulk Density ("Unit Weight") and Voids in Aggregate  | 05/01/1997 |
| C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing                             | 05/01/1997 |
| C127 Specific Gravity and Absorption of Coarse Aggregate   | 05/01/1997 |
| C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate                                    | 05/01/1997 |
| C131 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine | 05/01/1997 |
| C136 Sieve Analysis of Fine and Coarse Aggregates  | 05/01/1997 |
| C566 Total Moisture Content of Aggregate by Drying   | 05/01/1997 |
| C702 Reducing Samples of Aggregate to Testing Size   | 05/01/1997 |
| D75 Sampling Aggregate   | 01/15/2021 |
| D546 Sieve Analysis of Mineral Filler for Road and Paving Materials  | 08/30/2018 |



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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:**

12/01/2011

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

12/01/2011



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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 | 10/22/2014 |
| R39                       | Making and Curing Concrete Test Specimens in the Laboratory   | 02/23/2017 |
| R60                       | Sampling Freshly Mixed Concrete   | 02/23/2017 |
| R100 (Beams)              | Making and Curing Concrete Test Specimens in the Field  | 10/22/2014 |
| R100 (Cylinders)          | Making and Curing Concrete Test Specimens in the Field  | 10/22/2014 |
| T22                       | Compressive Strength of Cylindrical Concrete Specimens  | 02/01/2013 |
| T24                       | Obtaining and Testing Drilled Cores and Sawed Beams of Concrete   | 10/22/2014 |
| T97                       | Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)                                  | 02/01/2013 |
| T119                      | Slump of Hydraulic Cement Concrete  | 02/01/2013 |
| T121                      | Density (Unit Weight), Yield, and Air Content of Concrete   | 02/01/2013 |
| T152                      | Air Content of Freshly Mixed Concrete by the Pressure Method  | 02/01/2013 |
| T177                      | Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading)                                 | 06/04/2019 |
| T196                      | Air Content of Freshly Mixed Concrete by the Volumetric Method  | 02/01/2013 |
| T231 (7000 psi and below) | Capping Cylindrical Concrete Specimens  | 10/22/2014 |
| T277                      | Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration                              | 02/01/2013 |
| T309                      | Temperature of Freshly Mixed Portland Cement Concrete   | 02/01/2013 |
| C31 (Beams)               | Making and Curing Concrete Test Specimens in the Field  | 05/01/1997 |
| C31 (Cylinders)           | Making and Curing Concrete Test Specimens in the Field  | 05/01/1997 |
| C39                       | Compressive Strength of Cylindrical Concrete Specimens  | 05/01/1997 |
| C42                       | Obtaining and Testing Drilled Cores and Sawed Beams of Concrete   | 10/22/2014 |
| C78                       | Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)                                  | 05/01/1997 |
| C138                      | Density (Unit Weight), Yield, and Air Content of Concrete   | 05/01/1997 |
| C143                      | Slump of Hydraulic Cement Concrete  | 05/01/1997 |



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### Concrete (Continued)

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

|                            |   |            |
|----------------------------|---|------------|
| C172                       | Sampling Freshly Mixed Concrete   | 05/01/1997 |
| C173                       | Air Content of Freshly Mixed Concrete by the Volumetric Method  | 05/01/1997 |
| C192                       | Making and Curing Concrete Test Specimens in the Laboratory   | 05/01/1997 |
| C231                       | Air Content of Freshly Mixed Concrete by the Pressure Method  | 05/01/1997 |
| C293                       | Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading)                                 | 06/04/2019 |
| C511                       | Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes | 05/01/2012 |
| C617 (7000 psi and below)  | Capping Cylindrical Concrete Specimens  | 05/01/2012 |
| C1064                      | Temperature of Freshly Mixed Portland Cement Concrete   | 05/01/1997 |
| C1202                      | Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration                              | 05/01/1997 |
| C1231 (7000 psi and below) | Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders                | 05/01/2012 |
| C1542                      | Measuring Length of Concrete Cores  | 10/22/2014 |



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### Masonry

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

M201 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes

07/26/2022

C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes

07/26/2022

C1019 Sampling and Testing Grout

07/26/2022