



# CERTIFICATE OF ACCREDITATION



## Tyme Consulting Engineers, Incorporated

in

**Livonia, Michigan, 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](https://www.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 05/30/2023 at 7:12 PM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](https://www.aashtoresource.org/aap/accreditation-directory)



# SCOPE OF AASHTO ACCREDITATION FOR:

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## Quality Management System

**Standard:**

**Accredited Since:**

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	01/05/2023
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/26/2023



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## Asphalt Mixture

### Standard:

### Accredited Since:

R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	01/05/2023
T30	Mechanical Analysis of Extracted Aggregate	01/05/2023
T164 (Mineral Matter Not Determined)	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA) - Plant Control	01/05/2023
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	01/05/2023
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	01/05/2023
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	01/05/2023
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	01/05/2023
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	01/05/2023



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## Aggregate

Standard:	Accredited Since:
T27 Sieve Analysis of Fine and Coarse Aggregates	01/05/2023
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/05/2023
T85 Specific Gravity and Absorption of Coarse Aggregate	01/05/2023



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## Concrete

### Standard:

### Accredited Since:

C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	01/26/2023
C39	Compressive Strength of Cylindrical Concrete Specimens	01/26/2023
C138	Density (Unit Weight), Yield, and Air Content of Concrete	01/26/2023
C143	Slump of Hydraulic Cement Concrete	01/26/2023
C172	Sampling Freshly Mixed Concrete	01/26/2023
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	01/26/2023
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	01/26/2023
C1064	Temperature of Freshly Mixed Portland Cement Concrete	01/26/2023
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	01/26/2023