



WAQTC Developed Test Methods

WAQTC TM 1; Determining the Percentage or Fracture in Coarse Aggregate

Adopted by AASHTO in 2009 – Currently *AASHTO T 335, Determining the Percentage or Fracture in Coarse Aggregate*

WAQTC TM 2; Sampling Freshly Mixed Concrete, currently in use in CTT

WAQTC TM 3; Sample Preparation for and Calibration of Nuclear Asphalt Content Gauges and **WAQTC TM 4;** Asphalt Binder Content of Bituminous Mixtures by the Nuclear Method

Both adopted by AASHTO in 2015 – Currently *AASHTO T 355; Asphalt Binder Content of Asphalt Mixtures by the Nuclear Methods*

WAQTC TM 5; Reducing Samples of Hot Mix Asphalt to Testing Size

Adopted by AASHTO in 2005 as T 328, changed to a practice in 2008, – Currently *AASHTO R 47, Reducing Samples of Asphalt Mixtures to Testing Size*

WAQTC TM 6; Moisture Content of Bituminous Mixes by Oven

Adopted by AASHTO in 2005 – Currently *AASHTO T 329, Moisture Content of Asphalt Mixtures by Oven Method*

WAQTC TM 7; In-Place Density of Embankment and Base Using the Nuclear Moisture-Density Gauge

Adopted by AASHTO in 2000 – Currently *AASHTO T 310, In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)*

WAQTC TM 8; In-Place Density of Bituminous Mixes Using the Nuclear-Moisture Density Gauge

Adopted by AASHTO in 2015 – Currently *AASHTO T 355, In-Place Density of Asphalt Mixtures by Nuclear Methods*

WAQTC TM 9; Using the Harvard Miniature Compaction Apparatus – discontinued in 1999

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WAQTC TM 10; Temperature of Freshly Mixed Portland Cement Concrete

Adopted by AASHTO in 1999, removed in 2012, reinstated in 2015 – Currently *AASHTO T 309, Temperature of Freshly Mixed Portland Cement Concrete*

WAQTC TM 11; Sampling Hot Mix Asphalt (HMA) After Compaction (Obtaining Cores)

Adopted by AASHTO in 2015 – Currently *AASHTO R 67, Sampling Asphalt Mixtures after Compaction (Obtaining Cores)*

WAQTC TM 12; Sampling and Fabrication of 50-mm (2-in.) Cube Specimens Using Grout (Non-Shrink) or Mortar

Adopted by AASHTO in 2014 – Currently *AASHTO R 64, Sampling and Fabrication of 50-mm (2-in.) Cube Specimens Using Grout (Non-Shrink) or Mortar*

WAQTC TM 13; Volumetric Properties of Asphalt Mixtures, currently in use in AsII TT

WAQTC TM 14; Laboratory Prepared Asphalt Mixture Specimens, currently in the FOP Library

WAQTC TM 15; Laboratory Theoretical Maximum Dry Density of Granular Soil and Soil/Aggregate, currently in the FOP Library

WAQTC TM 16; Determining the Percentage of Flat and Elongated Particles in Coarse Aggregate, currently in the FOP Library

WAQTC TM 17; Determination of Theoretical Maximum Dry Density of Granular Soil and Soil/Aggregate for Use as a Density Standard – currently in the FOP Library may be archived in 2026