



## 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)*

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**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

**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 AsTT II 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