



New Mexico Department of Transportation  
Associated Contractors of New Mexico



**TECHNICIAN TRAINING AND CERTIFICATION PROGRAM**

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**To: TTCP Certified Personnel and Industry**

**From: Brian Legan**  
**TTCP Administrator – NMDOT**

**Date: December 4, 2017**

**Subject: Summary of Program Changes to TTCP Manuals – January 2018**

The following provides a summary of significant program changes to the TTCP Manuals as recommended by the **TTCP Technical Committee** and approved by the **TTCP Board of Directors**. Minor word, punctuation corrections or changes may not be reflected in this summary. Updating of AASHTO year-of-review in the title with no changes to the procedure will also not be reflected in this summary. If a test procedure is not listed, no significant changes were made by AASHTO or the Committee. Significant changes for 2018 are noted in **yellow** in TTCP manuals.

**AGGREGATE**

**AASHTO R-58-11 (2015), Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test**

- Add Modification 1 – *“If adequate quantity of dry preparation sample material is not obtained in the initial T-2 portion, additional sample material of 25 ± 10 lbs. from the remaining T-2 sample may be used.”*

**SOIL**

**AASHTO T-180-17, Moisture-Density Relations of Soils using a 10-lb Rammer and 18-in Drop**

- Delete Modification 1 – T-180, Method D, shall be used for base course material only for projects prior to 2014 specification book.
- Add new Modification 6 – *“Use Annex A1, Coarse Particle Correction, when oversized particles is greater than 10%. “*

**HMA/WMA**

**AASHTO T-209-16, Theoretical Maximum Specific Gravity and Density of HMA Paving Mixtures**

- Add Method A – Mechanical Agitation system such as an automated vibratory vacuum control system.

**AASHTO T-308-16, Determining Asphalt Content of HMA by Ignition Oven Method**

- Replace Determination of Binder Ignition Oven Calibration Factors, dated 12-17-14, with updated version dated 9-22-17.

### **AASHTO T-30-15, Mechanical Analysis of Extracted Aggregate**

- Add Note – “*Mechanical washing apparatus is an approved and optional method for HMA/WMA gradation material.*”

### **CONCRETE**

#### **AASHTO R-60-12 (2016), Sampling Freshly Mixed Concrete**

- Add Method 5, Sampling from volumetric mix truck.

#### **AASHTO T-23-17, Making and Curing Concrete Test Specimens in the Field**

- Vibration device operates at 9000 vibrations per minute.
- Internal Vibration, Key Element #2 – change “*three different points,*” to “*Refer to Table 3.*”

#### **AASHTO T-347-13 (2017), Slump Flow of Self-Consolidating Concrete (SCC)**

- Add this test method to TTCP Concrete module.

### **NUCLEAR DENSOMETER**

#### **AASHTO T-310, In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods**

- **Density of Water** reference of 62.4 lbs/ft<sup>3</sup> shall be used.

Should you have any comments or questions, please feel free to contact me at (505) 344-2072, ext. 18, or by e-mail at [brian.legan@state.nm.us](mailto:brian.legan@state.nm.us).