

# MATERIALS STANDARDS :: SUMMARY OF JULY 2019 UPDATE

## UPDATE INCLUDES 5 NEW STANDARDS/25 REVISED STANDARDS

DESIGNATION NUMBER	TITLE	TECHNICAL SECTION NUMBER	BALLOTED REVISIONS
<b>NEW STANDARDS (5)</b>			
R 96-19	Installation, Operation, and Maintenance of Ignition Furnaces	2c	New standard practice.
PP 99-19	Preparation of Small Cylindrical Performance Test Specimens Using the Superpave Gyratory Compactor (SGC) or Field Cores	2d	New Provisional standard.
TP 132-19	Determining the Dynamic Modulus for Asphalt Mixtures Using Small Specimens in the Asphalt Mixture Performance Tester (AMPT)	2d	New Provisional standard.
TP 133-19	Determining the Damage Characteristic Curve and Failure Criterion Using Small	2d	New Provisional standard.
TP 134-19	Stress Sweep Rutting (SSR) Test Using Asphalt Mixture Performance Tester (AMPT)	2d	New Provisional standard.
<b>REVISED STANDARDS (25)</b>			
M 332-19	Performance-Graded Asphalt Binder Using Multiple Stress Creep Recovery (MSCR) Test	2b	Revised to incorporate several changes to Table 1.
R 47-19	Reducing Samples of Asphalt Mixtures to Testing Size	2c	Revised to change the maximum temperature for heating equipment in Section 8.1 to the maximum mixing temperature, add heating of equipment to Sections 10.1 and 12.1, and change "hot mix asphalt" and "HMA" to "asphalt mixtures" throughout the standard.
R 79-19	Vacuum Drying Compacted Asphalt Specimens	2c	Revised to remove the definition for constant mass, generalize the requirements for thermometric devices, and modify the procedure to require two drying cycles.

DESIGNATION NUMBER	TITLE	TECHNICAL SECTION NUMBER	BALLOTED REVISIONS
R 97-19	Sampling Asphalt Mixtures	2c	Revised AASHTO standard T 168 and reclassified from a standard method of test to a standard practice, R 97.
T 30-19	Mechanical Analysis of Extracted Aggregate	2c	Revised to move the information about overloading sieves and the minimum time requirement to an annex and clarify the calculations section.
T 88-19	Particle Size Analysis of Soils	1a	Revised to move the first sentence in Note 6 to the last sentence in Section 12.1 to make it mandatory language and part of the procedure.
T 99-19	Moisture-Density Relations of Soils Using a 2.5-kg (5.5-lb) Rammer and a 305-mm (12-in.) Drop	1b	Revised Sections 5.4 and 9.4 to address extruder.
T 134-19	Moisture-Density Relations of Soil-Cement Mixtures	1b	Revised in multiple areas for clarification and to align with T 99 and T 180.
T 180-19	Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop	1b	Revised Sections 5.4 and 9.4 to address extruder.
T 206-19	Penetration Test and Split-Barrel Sampling of Soils	1b	Revised to harmonize with ASTM D1168.
T 209-19	Theoretical Maximum Specific Gravity ( $G_{mm}$ ) and Density of Asphalt Mixtures	2c	Revised extensively to move the standardization procedure to an annex and eliminate the water temperature adjustment, among other changes.
T 252-19	Measurements of Pore Pressures in Soils	1b	Revised to add Reports section.
T 310-19	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	1b	Revised to remove the requirement to record the actual date of last calibration or calibration verification on each report.
T 312-19	Preparing and Determining the Density of Asphalt Mixture Specimens by Means of the Superpave Gyratory Compactor	2d	Revised Sections 8 and 9 for clarity.
T 313-19	Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	2b	Revised to update the precision estimates.
T 315-19	Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	2b	Revised to update the precision estimates.

DESIGNATION NUMBER	TITLE	TECHNICAL SECTION NUMBER	BALLOTED REVISIONS
T 316-19	Viscosity Determination of Asphalt Binder Using Rotational Viscometer	2b	Revised to update the precision estimates.
T 324-19	Hamburg Wheel-Track Testing of Compacted Asphalt Mixtures	2c	Revised to add more detail on the device and impression measurement system requirements and to add an annex for measuring the width of the wheel.
T 350-19	Multiple Stress Creep Recovery (MSCR) Test of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	2b	Revised to add precision estimates in Section 10.
T 383-19	Evaluation of Asphalt Release Agents (ARAs)	2b	Revised to add new pictures as well as minor revisions throughout.
T 385-19	Deep Foundation Elements under Bidirectional Static Axial Compressive Load	1b	Adopted AASHTO Provisional standard TP 100 as a full standard method of test, T 385.
T 386-19	Rapid Axial Compressive Load Testing of Deep Foundation Units	1b	Adopted AASHTO Provisional standard TP 104 as a full standard method of test, T 386.
T 387-19	Determining the Cracking Temperature of Asphalt Binder Using the Asphalt Binder Cracking Device (ABCD)	2b	Adopted AASHTO Provisional standard TP 92 as a full standard method of test, T 387.
PP 92-19	Preparation of Test Specimens Using the Plastic Mold Compaction Device	1b	Revised extensively.
TP 112-19	Determining In-Place Density and Moisture Content of Soil and Soil-Aggregate Using Complex Impedance Methodology	1b	Revised extensively.