

Technical Subcommittee Action Required Summary—Full Standards

TS 1a			
Designation No.	Title	ASTM Equiv.	Action Needed
M 318-02 (2015)	Glass Cullet Use for Soil–Aggregate Base Course		Revise or Reconfirm
M 319-02 (2015)	Reclaimed Concrete Aggregate for Unbound Soil–Aggregate Base Course		Revise or Reconfirm
R 027-01 (2015)	Assessment of Corrosion of Steel Piling for Non-Marine Applications		Revise or Reconfirm
R 051-13 (2017)	Compost for Erosion/Sediment Control (Filter Berms and Filter Socks)		No
R 052-10 (2015)	Compost for Erosion/Sediment Control (Compost Blankets)		Revise or Reconfirm
R 058-11 (2015)	Dry Preparation of Disturbed Soil and Soil–Aggregate Samples for Test		Revise or Reconfirm
R 074-16	Wet Preparation of Disturbed Soil Samples for Test		No
T 088-13 (2017)	Particle Size Analysis of Soils		No
T 089-13 (2017)	Determining the Liquid Limit of Soils		No
T 090-16	Determining the Plastic Limit and Plasticity Index of Soils		No
T 100-15	Specific Gravity of Soils	D854-00	Revise or Reconfirm
T 176-17	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test		No
T 190-14 (2018)	Resistance R-Value and Expansion Pressure of Compacted Soils	D2844-07	No
T 193-13 (2017)	The California Bearing Ratio		No
T 194-97 (2018)	Determination of Organic Matter in Soils by Wet Combustion		No
T 208-15	Unconfined Compressive Strength of Cohesive Soil	D2166-00	Revise or Reconfirm
T 215-14 (2018)	Permeability of Granular Soils (Constant Head)		No
T 216-07 (2016)	One-Dimensional Consolidation Properties of Soils	D2435-04	No
T 217-14 (2018)	Determination of Moisture in Soils by Means of a Calcium Carbide Gas Pressure Moisture Tester		No
T 220-66 (2018)	Determination of the Strength of Soil–Lime Mixtures		No
T 226-90 (2018)	Triaxial Compressive Strength of Undrained Rock Core Specimens without Pore Pressure Measurements	D2664-86	No
T 233-02 (2015)	Density of Soil In-Place by Block, Chunk, or Core Sampling		Revise or Reconfirm
T 236-08 (2018)	Direct Shear Test of Soils under Consolidated Drained Conditions	D3080-72(2003)	No
T 258-81 (2018)	Determining Expansive Soils		No
T 265-15	Laboratory Determination of Moisture Content of Soils		Revise or Reconfirm

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Designation No.	Title	ASTM Equiv.	Action Needed
T 267-86 (2018)	Determination of Organic Content in Soils by Loss on Ignition		No
T 273-86 (2018)	Soil Suction		No
T 288-12 (2016)	Determining Minimum Laboratory Soil Resistivity		No
T 289-91 (2018)	Determining pH of Soil for Use in Corrosion Testing		No
T 290-95 (2016)	Determining Water-Soluble Sulfate Ion Content in Soil		No
T 291-94 (2018)	Determining Water-Soluble Chloride Ion Content in Soil		No
T 296-10 (2016)	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression		No
T 307-99 (2017)	Determining the Resilient Modulus of Soils and Aggregate Materials		No
T 311-00 (2015)	Grain-Size Analysis of Granular Soil Materials		Revise or Reconfirm

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Designation No.	Title	ASTM Equiv.	Action Needed
M 057-80 (2017)	Materials for Embankments and Subgrades		No
M 145-91 (2017)	Classification of Soils and Soil–Aggregate Mixtures for Highway Construction Purposes		No
M 146-91 (2017)	Terms Relating to Subgrade, Soil–Aggregate, and Fill Materials		No
M 147-17	Materials for Aggregate and Soil–Aggregate Subbase, Base, and Surface Courses		No
M 231-95 (2015)	Weighing Devices Used in the Testing of Materials		Revise or Reconfirm
R 013-12 (2016)	Conducting Geotechnical Subsurface Investigations	D420-98(2003)	No
R 045-13 (2017)	Installing, Monitoring, and Processing Data of the Traveling Type Slope Inclinator		No
R 075-16	Developing a Family of Curves		No
T 099-18	Moisture–Density Relations of Soils Using a 2.5-kg (5.5-lb) Rammer and a 305-mm (12-in.) Drop		No
T 134-05 (2018)	Moisture–Density Relations of Soil–Cement Mixtures		No
T 135-13 (2017)	Wetting-and-Drying Test of Compacted Soil–Cement Mixtures		No
T 136-13 (2017)	Freezing-and-Thawing Tests of Compacted Soil–Cement Mixtures		No
T 180-18	Moisture–Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop		No
T 191-14 (2018)	Density of Soil In-Place by the Sand-Cone Method		No
T 206-09 (2018)	Penetration Test and Split-Barrel Sampling of Soils	D1586-11	No
T 207-12 (2016)	Thin-Walled Tube Sampling of Soils	D1587-08	No
T 221-90 (2017)	Repetitive Static Plate Load Tests of Soils and Flexible Pavement Components for Use in Evaluation and Design of Airport and Highway Pavements	D1195/D1195M-09	No
T 222-81 (2017)	Nonrepetitive Static Plate Load Test of Soils and Flexible Pavement Components for Use in Evaluation and Design of Airport and Highway Pavements		No
T 223-96 (2017)	Field Vane Shear Test in Cohesive Soil		No
T 225-16	Diamond Core Drilling for Site Investigation		No
T 252-09 (2018)	Measurements of Pore Pressures in Soils		No
T 272-18	One-Point Method for Determining Maximum Dry Density and Optimum Moisture		No
T 298-15	High-Strain Dynamic Testing of Piles		Revise or Reconfirm

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Designation No.	Title	ASTM Equiv.	Action Needed
T 306-11 (2015)	Progressing Auger Borings for Geotechnical Explorations		Revise or Reconfirm
T 310-13 (2017)	In-Place Density and Moisture Content of Soil and Soil–Aggregate by Nuclear Methods (Shallow Depth)		No

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Designation No.	Title	ASTM Equiv.	Action Needed
M 006-13 (2018)	Fine Aggregate for Hydraulic Cement Concrete		No
M 029-12 (2016)	Fine Aggregate for Bituminous Paving Mixtures	D1073-11	No
M 043-05 (2018)	Sizes of Aggregate for Road and Bridge Construction	D448-12	No
M 045-16	Aggregate for Masonry Mortar	C144-11	No
M 080-13 (2017)	Coarse Aggregate for Hydraulic Cement Concrete		No
M 195-11 (2015)	Lightweight Aggregates for Structural Concrete	C330-09	Revise or Reconfirm
R 076-16	Reducing Samples of Aggregate to Testing Size	C 702/C 702M-11	No
R 090-18	Sampling Aggregate Products		No
R 091-18	Determining Aggregate Source Shape Values from Digital Image Analysis Shape Properties		No
T 011-05 (2018)	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	C117-13	No
T 019M/T 019-14 (2018)	Bulk Density ("Unit Weight") and Voids in Aggregate	C29/C29M-09	No
T 021M/T 21-15	Organic Impurities in Fine Aggregates for Concrete	C40/C40M-11	Revise or Reconfirm
T 027-14 (2018)	Sieve Analysis of Fine and Coarse Aggregates	C136-06	No
T 071-08 (2017)	Effect of Organic Impurities in Fine Aggregate on Strength of Mortar	C87/C87M-10	No
T 084-13 (2017)	Specific Gravity and Absorption of Fine Aggregate	C128-12	No
T 085-14 (2018)	Specific Gravity and Absorption of Coarse Aggregate	C127-12	No
T 096-02 (2015)	Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	C131-01	Revise or Reconfirm
T 103-08 (2017)	Soundness of Aggregates by Freezing and Thawing		No
T 104-99 (2016)	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate		No
T 112-00 (2017)	Clay Lumps and Friable Particles in Aggregate	C142/C142M-10	No
T 113-18	Lightweight Particles in Aggregate	C123/C123M-12	No
T 210-15	Aggregate Durability Index	D3744/D3744M-11a	Revise or Reconfirm
T 211-90 (2017)	Determination of Cement Content in Cement-Treated Aggregate by the Method of Titration		No

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Designation No.	Title	ASTM Equiv.	Action Needed
T 255-00 (2017)	Total Evaporable Moisture Content of Aggregate by Drying	C566-13	No
T 303-00 (2017)	Accelerated Detection of Potentially Deleterious Expansion of Mortar Bars Due to Alkali-Silica Reaction		No
T 304-17	Uncompacted Void Content of Fine Aggregate		No
T 326-05 (2018)	Uncompacted Void Content of Coarse Aggregate (As Influenced by Particle Shape, Surface Texture, and Grading)		No
T 327-12 (2016)	Resistance of Coarse Aggregate to Degradation by Abrasion in the Micro-Deval Apparatus	D6928-10	No
T 330-07 (2015)	The Qualitative Detection of Harmful Clays of the Smectite Group in Aggregates Using Methylene Blue		Revise or Reconfirm
T 335-09 (2018)	Determining the Percentage of Fracture in Coarse Aggregate		No
T 354-17	Specific Gravity and Absorption of Aggregate by Volumetric Immersion Method		No
T 381-18	Determining Aggregate Shape Properties by Means of Digital Image Analysis		No

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Designation No.	Title	ASTM Equiv.	Action Needed
M 081-92 (2017)	Cutback Asphalt (Rapid-Curing Type)		No
M 082-17	Cutback Asphalt (Medium-Curing Type)		No
M 140-18	Emulsified Asphalt		No
M 208-18	Cationic Emulsified Asphalt		No
M 316-18	Polymer-Modified Emulsified Asphalt		No
R 005-17	Selection and Use of Emulsified Asphalts		No
R 066-16	Sampling Asphalt Materials		No
R 077-16	Certifying Suppliers of Emulsified Asphalt		No
R 078-16	Recovering Residue from Emulsified Asphalt Using Low-Temperature Evaporative Techniques		No
T 050-14 (2018)	Float Test for Bituminous Materials	D139-12	No
T 059-16	Emulsified Asphalts		No
T 072-10 (2015)	Saybolt Viscosity		Revise or Reconfirm
T 078-15	Distillation of Cutback Asphalt Products		Revise or Reconfirm
T 079-12 (2016)	Flash Point with Tag Open-Cup Apparatus for Use with Material Having a Flash Point Less Than 93°C (200°F)		No
T 295-13 (2017)	Specific Gravity or API Gravity of Liquid Asphalts by Hydrometer Method	D3142/D3142M-11	No
T 300-11 (2016)	Force Ductility Test of Asphalt Materials		No
T 301-13 (2017)	Elastic Recovery Test of Asphalt Materials by Means of a Ductilometer		No
T 302-15	Polymer Content of Polymer-Modified Emulsified Asphalt Residue and Asphalt Binders		Revise or Reconfirm
T 361-16	Determining Asphalt Binder Bond Strength by Means of the Binder Bond Strength (BBS) Test		No
T 382-18	Determining the Viscosity of Emulsified Asphalt by a Rotational Paddle Viscometer		No

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Designation No.	Title	ASTM Equiv.	Action Needed
M 226-80 (2017)	Viscosity-Graded Asphalt Cement		No
M 320-17	Performance-Graded Asphalt Binder		No
M 332-18	Performance-Graded Asphalt Binder Using Multiple Stress Creep Recovery (MSCR) Test		No
R 015-18	Asphalt Additives and Modifiers		No
R 026-01 (2018)	Certifying Suppliers of Performance-Graded Asphalt Binders		No
R 028-12 (2016)	Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV)		No
R 029-15	Grading or Verifying the Performance Grade (PG) of an Asphalt Binder		Revise or Reconfirm
R 049-09 (2018)	Determination of Low-Temperature Performance Grade (PG) of Asphalt Binders		No
R 092-18	Evaluating the Elastic Behavior of Asphalt Binders Using the Multiple Stress Creep Recovery (MSCR) Test		No
T 044-14 (2018)	Solubility of Bituminous Materials	D2042-01	No
T 048-18	Flash Point of Asphalt Binder by Cleveland Open Cup		No
T 049-15	Penetration of Bituminous Materials	D5/D5M-13	Revise or Reconfirm
T 051-09 (2018)	Ductility of Asphalt Materials	D113-07	No
T 053-09 (2018)	Softening Point of Bitumen (Ring-and-Ball Apparatus)	D36-06	No
T 102-09 (2018)	Spot Test of Asphaltic Materials		No
T 111-11 (2015)	Mineral Matter or Ash in Asphalt Materials		Revise or Reconfirm
T 179-05 (2018)	Effect of Heat and Air on Asphalt Materials (Thin-Film Oven Test)	D1754-97(2002)	No
T 201-15	Kinematic Viscosity of Asphalts (Bitumens)	D2170/D2170M-10	Revise or Reconfirm
T 202-15	Viscosity of Asphalts by Vacuum Capillary Viscometer	D2171/D2171M-10	Revise or Reconfirm
T 228-09 (2018)	Specific Gravity of Semi-Solid Asphalt Materials	D70-08	No
T 240-13 (2017)	Effect of Heat and Air on a Moving Film of Asphalt Binder (Rolling Thin-Film Oven Test)	D2872-04	No
T 313-12 (2016)	Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)		No
T 314-12 (2016)	Determining the Fracture Properties of Asphalt Binder in Direct Tension (DT)		No

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Designation No.	Title	ASTM Equiv.	Action Needed
T 315-12 (2016)	Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)		No
T 316-13 (2017)	Viscosity Determination of Asphalt Binder Using Rotational Viscometer		No
T 350-14 (2018)	Multiple Stress Creep Recovery (MSCR) Test of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)		No
T 377-17	Detecting the Presence of Phosphorous in Asphalt Binder		No
T 383-18	Evaluation of Asphalt Release Agents (ARAs)		No

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Designation No.	Title	ASTM Equiv.	Action Needed
M 017-11 (2015)	Mineral Filler for Bituminous Paving Mixtures	D242/D242M-09	Revise or Reconfirm
M 156-13 (2017)	Requirements for Mixing Plants for Hot-Mixed, Hot-Laid Bituminous Paving Mixtures		No
R 047-14 (2018)	Reducing Samples of Hot Mix Asphalt (HMA) to Testing Size		No
R 059-11 (2015)	Recovery of Asphalt Binder from Solution by Abson Method	D1856-09	Revise or Reconfirm
R 067-16	Sampling Asphalt Mixtures after Compaction (Obtaining Cores)		No
R 079-18	Vacuum Drying Compacted Asphalt Specimens		No
T 030-15	Mechanical Analysis of Extracted Aggregate		Revise or Reconfirm
T 037-07 (2016)	Sieve Analysis of Mineral Filler for Hot Mix Asphalt (HMA)	D546-05	No
T 110-03 (2016)	Moisture or Volatile Distillates in Hot Mix Asphalt (HMA)	D1461-11	No
T 164-14 (2018)	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	D2172/D2172M-11	No
T 166-16	Bulk Specific Gravity (Gmb) of Compacted Asphalt Mixtures Using Saturated Surface-Dry Specimens		No
T 168-03 (2016)	Sampling Bituminous Paving Mixtures	D979-01(2006)e1	No
T 195-18	Determining Degree of Particle Coating of Asphalt Mixtures	D2489/D2489M-08	No
T 209-12 (2016)	Theoretical Maximum Specific Gravity (Gmm) and Density of Hot Mix Asphalt (HMA)		No
T 269-14 (2018)	Percent Air Voids in Compacted Dense and Open Asphalt Mixtures	D3203/D3203M-11	No
T 275-17	Bulk Specific Gravity (Gmb) of Compacted Asphalt Mixtures Using Paraffin-Coated Specimens		No
T 287-14 (2018)	Asphalt Binder Content of Asphalt Mixtures by the Nuclear Method		No
T 305-14 (2018)	Determination of Draindown Characteristics in Uncompacted Asphalt Mixtures		No
T 308-18	Determining the Asphalt Binder Content of Hot Mix Asphalt (HMA) by the Ignition Method		No
T 319-15	Quantitative Extraction and Recovery of Asphalt Binder from Asphalt Mixtures		Revise or Reconfirm
T 324-17	Hamburg Wheel-Track Testing of Compacted Asphalt Mixtures		No
T 329-15	Moisture Content of Asphalt Mixtures by Oven Method		Revise or Reconfirm

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Designation No.	Title	ASTM Equiv.	Action Needed
T 331-13 (2017)	Bulk Specific Gravity (Gmb) and Density of Compacted Asphalt Mixtures Using Automatic Vacuum Sealing Method	D6752/D6752M-11	No
T 343-12 (2016)	Density of In-Place Hot Mix Asphalt (HMA) Pavement by Electronic Surface Contact Devices		No
T 355-18	In-Place Density of Asphalt Mixtures by Nuclear Methods		No
T 362-17	Quantitative Determination of the Percentage of Lime in Asphalt Mixtures		No

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TS 2d			
Designation No.	Title	ASTM Equiv.	Action Needed
M 323-17	Superpave Volumetric Mix Design		No
M 325-08 (2017)	Stone Matrix Asphalt (SMA)		No
R 030-02 (2015)	Mixture Conditioning of Hot Mix Asphalt (HMA)		Revise or Reconfirm
R 035-17	Superpave Volumetric Design for Asphalt Mixtures		No
R 046-08 (2017)	Designing Stone Matrix Asphalt (SMA)		No
R 062-13 (2017)	Developing Dynamic Modulus Master Curves for Asphalt Mixtures		No
R 068-15	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus		Revise or Reconfirm
R 083-17	Preparation of Cylindrical Performance Test Specimens Using the Superpave Gyratory Compactor (SGC)		No
R 084-17	Developing Dynamic Modulus Master Curves for Asphalt Mixtures Using the Asphalt Mixture Performance Tester (AMPT)		No
T 167-10 (2015)	Compressive Strength of Hot Mix Asphalt		Revise or Reconfirm
T 245-15	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus		Revise or Reconfirm
T 246-10 (2015)	Resistance to Deformation and Cohesion of Hot Mix Asphalt (HMA) by Means of Hveem Apparatus	D1560-09	Revise or Reconfirm
T 247-10 (2015)	Preparation of Test Specimens of Hot Mix Asphalt (HMA) by Means of California Kneading Compactor	D1561-92	Revise or Reconfirm
T 283-14 (2018)	Resistance of Compacted Asphalt Mixtures to Moisture-Induced Damage		No
T 312-15	Preparing and Determining the Density of Asphalt Mixture Specimens by Means of the Superpave Gyratory Compactor		Revise or Reconfirm
T 320-07 (2016)	Determining the Permanent Shear Strain and Stiffness of Asphalt Mixtures Using the Superpave Shear Tester (SST)		No
T 321-17	Determining the Fatigue Life of Compacted Asphalt Mixtures Subjected to Repeated Flexural Bending		No
T 322-07 (2016)	Determining the Creep Compliance and Strength of Hot Mix Asphalt (HMA) Using the Indirect Tensile Test Device		No
T 340-10 (2015)	Determining Rutting Susceptibility of Hot Mix Asphalt (HMA) Using the Asphalt Pavement Analyzer (APA)		Revise or Reconfirm
T 342-11 (2015)	Determining Dynamic Modulus of Hot Mix Asphalt (HMA)		Revise or Reconfirm

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Designation No.	Title	ASTM Equiv.	Action Needed
T 344-12 (2016)	Evaluation of Superpave Gyrotory Compactor (SGC) Internal Angle of Gyration Using Simulated Loading	D7115-05	No
T 378-17	Determining the Dynamic Modulus and Flow Number for Asphalt Mixtures Using the Asphalt Mixture Performance Tester (AMPT)		No

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Designation No.	Title	ASTM Equiv.	Action Needed
M 085-18	Portland Cement	C150/C150M-17	No
M 152M/M 152-16	Flow Table for Use in Tests of Hydraulic Cement	C230/C230M-14	No
M 201-15	Mixing Rooms, Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the Testing of Hydraulic Cements and Concretes	C511-13	Revise or Reconfirm
M 216-13 (2017)	Quicklime and Hydrated Lime for Soil Stabilization	C977-10	No
M 240M/M 240-18	Blended Hydraulic Cement	C595/C595M-18	No
M 303-89 (2014)	Lime for Asphalt Mixtures		Revise or Reconfirm
M 327-18	Processing Additions for Use in the Manufacture of Hydraulic Cements	C465-16	No
R 070M/M 070-18	Use of Apparatus for the Determination of Length Change of Hardened Cement Paste, Mortar, and Concrete	C490/C490M-17	No
R 071-16	Sampling and Amount of Testing of Hydraulic Cement	C183/C183M-15	No
T 098M/T 098-12 (2016)	Fineness of Portland Cement by the Turbidimeter	C115-10e1	No
T 105-16	Chemical Analysis of Hydraulic Cement	C114-15	No
T 106M/T 106-18	Compressive Strength of Hydraulic Cement Mortar (Using 50-mm or 2-in. Cube Specimens)	C109/C109M-16	No
T 107M/T 107-18	Autoclave Expansion of Hydraulic Cement	C151/C151M-16	No
T 129-14 (2018)	Amount of Water Required for Normal Consistency of Hydraulic Cement Paste	C187-11e1	No
T 131-15	Time of Setting of Hydraulic Cement by Vicat Needle	C191-13	Revise or Reconfirm
T 132-87 (2018)	Tensile Strength of Hydraulic Cement Mortars		No
T 133-16	Density of Hydraulic Cement	C188-14	No
T 137-12 (2016)	Air Content of Hydraulic Cement Mortar	C185-08	No
T 153-13 (2017)	Fineness of Hydraulic Cement by Air Permeability Apparatus	C204-11	No
T 154-18	Time of Setting of Hydraulic Cement Paste by Gillmore Needles	C266-15	No
T 162-16	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	C305-14	No
T 185-15	Early Stiffening of Hydraulic Cement (Mortar Method)	C359-13	Revise or Reconfirm
T 186-15	Early Stiffening of Hydraulic Cement (Paste Method)	C451-13	Revise or Reconfirm

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Designation No.	Title	ASTM Equiv.	Action Needed
T 192-11 (2015)	Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve	C430-08	Revise or Reconfirm
T 218-86 (2018)	Sampling Hydrated Lime		No
T 219-87 (2018)	Testing Lime for Chemical Constituents and Particle Sizes		No
T 232-90 (2018)	Determination of Lime Content in Lime-Treated Soils by Titration		No
T 353-14 (2018)	Particle Size Analysis of Hydraulic Cement and Related Materials by Light Scattering		No

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Designation No.	Title	ASTM Equiv.	Action Needed
M 154M/M 154-12 (2016)	Air-Entraining Admixtures for Concrete	C260/C260M-10a	No
M 157-13 (2017)	Ready-Mixed Concrete		No
M 182-05 (2017)	Burlap Cloth Made from Jute or Kenaf and Cotton Mats		No
M 194M/M 194-13 (2017)	Chemical Admixtures for Concrete	C494/C494M-16	No
M 205M/M 205-11 (2015)	Molds for Forming Concrete Test Cylinders Vertically	C470/C470M-09	Revise or Reconfirm
M 241M/M 241-13 (2017)	Concrete Made by Volumetric Batching and Continuous Mixing	C685/C685M-14	No
M 295-11 (2015)	Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete	C618-12a	Revise or Reconfirm
M 302-18	Slag Cement for Use in Concrete and Mortars	C989/C989-17	No
M 307-13 (2017)	Silica Fume Used in Cementitious Mixtures	C1240-15	No
M 321-04 (2017)	High-Reactivity Pozzolans for Use in Hydraulic-Cement Concrete, Mortar, and Grout		No
R 039-17	Making and Curing Concrete Test Specimens in the Laboratory	C192/C192M-16a	No
R 060-12 (2016)	Sampling Freshly Mixed Concrete	C172-10	No
R 064-17	Sampling and Fabrication of 50-mm (2-in.) Cube Specimens Using Grout (Non-Shrink) or Mortar		No
T 023-18	Making and Curing Concrete Test Specimens in the Field	C31-15a	No
T 119M/T 119-18	Slump of Hydraulic Cement Concrete	C143/C143M-15a	No
T 121M/T 121-17	Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	C138/C138M-10a	No
T 152-17	Air Content of Freshly Mixed Concrete by the Pressure Method	C231/C231M-14	No
T 155-13 (2017)	Water Retention by Liquid Membrane-Forming Curing Compounds for Concrete	C156-11	No
T 157-12 (2016)	Air-Entraining Admixtures for Concrete	C233/C233M-10a	No
T 158-11 (2015)	Bleeding of Concrete	C232/C232M-09	Revise or Reconfirm
T 188-05 (2017)	Evaluation by Freezing and Thawing of Air-Entraining Additions to Hydraulic Cement		No
T 196M/T 196-11 (2015)	Air Content of Freshly Mixed Concrete by the Volumetric Method	C173/C173M-10	Revise or Reconfirm

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Designation No.	Title	ASTM Equiv.	Action Needed
T 197M/T 197-11 (2015)	Time of Setting of Concrete Mixtures by Penetration Resistance	C403/C403M-08	Revise or Reconfirm
T 309-15	Temperature of Freshly Mixed Portland Cement Concrete		Revise or Reconfirm
T 318-15	Water Content of Freshly Mixed Concrete Using Microwave Oven Drying		Revise or Reconfirm
T 325-04 (2016)	Estimating the Strength of Concrete in Transportation Construction by Maturity Tests		No
T 345-12 (2016)	Passing Ability of Self-Consolidating Concrete (SCC) by J-Ring		No
T 347-13 (2017)	Slump Flow of Self-Consolidating Concrete (SCC)		No
T 348-13 (2018)	Air-Void Characteristics of Freshly Mixed Concrete by Buoyancy Change		No
T 349-13 (2017)	Filling Capacity of Self-Consolidating Concrete Using the Caisson Test		No
T 351-14 (2018)	Visual Stability Index (VSI) of Self-Consolidating Concrete (SCC)		No
T 352-14 (2018)	Determining Formwork Pressure of Fresh Self-Consolidating Concrete (SCC) Using Pressure Transducers		No

Technical Subcommittee Action Required Summary—Full Standards

TS 3c			
Designation No.	Title	ASTM Equiv.	Action Needed
R 072-16	Match Curing of Concrete Test Specimens		No
R 080-17	Determining the Reactivity of Concrete Aggregates and Selecting Appropriate Measures for Preventing Deleterious Expansion in New Concrete Construction		No
R 081-17	Static Segregation of Hardened Self-Consolidating Concrete (SCC) Cylinders		No
T 022-17	Compressive Strength of Cylindrical Concrete Specimens	C39/C39M-16	No
T 024M/T 024-15	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	C42/C42M-13	Revise or Reconfirm
T 097-18	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	C78/C78M-16	No
T 140-97 (2016)	Compressive Strength of Concrete Using Portions of Beams Broken in Flexure		No
T 148-15	Measuring Length of Drilled Concrete Cores	C174/C174M-13	Revise or Reconfirm
T 160-17	Length Change of Hardened Hydraulic Cement Mortar and Concrete	C157/C157M-14	No
T 161-17	Resistance of Concrete to Rapid Freezing and Thawing	C666/C666M-15	No
T 177-17	Flexural Strength of Concrete (Using Simple Beam with Center-Point Loading)	C293-16	No
T 178-15	Portland-Cement Content of Hardened Hydraulic-Cement Concrete	C1084-10	Revise or Reconfirm
T 198-15	Splitting Tensile Strength of Cylindrical Concrete Specimens	C496/C496M-11	Revise or Reconfirm
T 231-17	Capping Cylindrical Concrete Specimens	C617-15	No
T 259-02 (2017)	Resistance of Concrete to Chloride Ion Penetration		No
T 260-97 (2016)	Sampling and Testing for Chloride Ion in Concrete and Concrete Raw Materials		No
T 276-17	Measuring Early-Age Compression Strength and Projecting Later-Age Strength	C918-13	No
T 277-15	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	C1202-12	Revise or Reconfirm
T 323-03 (2016)	Determining the Shear Strength at the Interface of Bonded Layers of Portland Cement Concrete		No
T 332-07 (2016)	Determining Chloride Ions in Concrete and Concrete Materials by Specific Ion Probe		No
T 334-08 (2016)	Estimating the Cracking Tendency of Concrete		No
T 336-15	Coefficient of Thermal Expansion of Hydraulic Cement Concrete		Revise or Reconfirm
T 356-15	Determining Air Content of Hardened Portland Cement Concrete by High-Pressure Air Meter		Revise or Reconfirm

Technical Subcommittee Action Required Summary—Full Standards

TS 3c

Designation No.	Title	ASTM Equiv.	Action Needed
T 357-15	Predicting Chloride Penetration of Hydraulic Cement Concrete by the Rapid Migration Procedure		Revise or Reconfirm
T 358-17	Surface Resistivity Indication of Concrete's Ability to Resist Chloride Ion Penetration		No
T 359M/T 359-18	Pavement Thickness by Magnetic Pulse Induction		No
T 363-17	Evaluating Stress Development and Cracking Potential due to Restrained Volume Change Using a Dual Ring Test		No
T 364-17	Determination of Composite Activation Energy of Aggregates due to Alkali-Silica Reaction (Chemical Method)		No
T 365-17	Quantifying Calcium Oxychloride Amounts in Cement Pastes Exposed to Deicing Salts		No
T 379-18	Nonlinear Impact Resonance Acoustic Spectroscopy (NIRAS) for Concrete Specimens with Damage from Alkali-Silica Reaction (ASR)		No
T 380-18	Potential Alkali Reactivity of Aggregates and Effectiveness of ASR Mitigation Measures (Miniature Concrete Prism Test, MCPT)		No

Technical Subcommittee Action Required Summary—Full Standards

TS 4a			
Designation No.	Title	ASTM Equiv.	Action Needed
M 086M/M 086-17	Nonreinforced Concrete Sewer, Storm Drain, and Culvert Pipe	C14M-15a and C14-15a	No
M 170-17	Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe	C76-16	No
M 170M-17	Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe [Metric]	C76M-16	No
M 175M/M 175-05 (2013)	Perforated Concrete Pipe	C444M-03 and C444-03	Revise or Reconfirm
M 176M/M 176-17	Porous Concrete Pipe	C654M-05a and C654-05a	No
M 178M/M 178-17	Concrete Drain Tile	C412M-05a and C412-05a	No
M 199M/M 199-17	Precast Reinforced Concrete Manhole Sections	C478M-15a and C478-15a	No
M 206M/M 206-17	Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe	C506M-16b and C506-16b	No
M 207M/M 207-17	Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe	C507M-16 and C507-16	No
M 242M/M 242-17	Reinforced Concrete D-Load Culvert, Storm Drain, and Sewer Pipe	C655M-15 and C655-15	No
M 259-17	Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers	C789-95a	No
M 259M-17	Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers [Metric]	C789M-98	No
M 262-11 (2015)	Concrete Pipe and Related Products	C822-08b	Revise or Reconfirm
M 273-17	Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers with Less Than 2 ft of Cover Subjected to Highway Loadings		No
M 273M-17	Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers with Less Than 0.6 m of Cover Subjected to Highway Loadings [Metric]		No
R 073-16	Evaluation of Precast Concrete Drainage Products		No
T 280-14 (2018)	Concrete Pipe, Manhole Sections, or Tile	C497-13	No
T 281-14 (2018)	Vitrified Clay Pipe	C301-13	No

Technical Subcommittee Action Required Summary—Full Standards

TS 4b

Designation No.	Title	ASTM Equiv.	Action Needed
M 036-16	Corrugated Steel Pipe, Metallic-Coated, for Sewers and Drains	A760/A760M-01a	No
M 167M/M 167-17	Corrugated Steel Structural Plate, Zinc-Coated, for Field-Bolted Pipe, Pipe-Arches, and Arches	A761/A761M-04	No
M 190-04 (2017)	Asphalt-Coated Corrugated Metal Culvert Pipe and Pipe-Arches		No
M 196-16	Corrugated Aluminum Pipe for Sewers and Drains	B745/B745M-95	No
M 197-06 (2016)	Aluminum Alloy Sheet for Corrugated Aluminum Pipe	B744/B744M-05	No
M 218-03 (2016)	Steel Sheet, Zinc-Coated (Galvanized), for Corrugated Steel Pipe		No
M 219-92 (2017)	Corrugated Aluminum Alloy Structural Plate for Field-Bolted Pipe, Pipe-Arches, and Arches	B746/B746M-92	No
M 243-96 (2017)	Field-Applied Coating of Corrugated Metal Structural Plate for Pipe, Pipe-Arches, and Arches		No
M 245-16	Corrugated Steel Pipe, Polymer-Precoated, for Sewers and Drains	A762/A762M-98	No
M 246-15	Steel Sheet, Metallic-Coated and Polymer-Precoated, for Corrugated Steel Pipe	A742/A742M-13	Revise or Reconfirm
M 252-18	Corrugated Polyethylene Drainage Pipe		No
M 274-87 (2017)	Steel Sheet, Aluminum-Coated (Type 2), for Corrugated Steel Pipe		No
M 278-15	Class PS46 Poly(Vinyl Chloride) (PVC) Pipe		Revise or Reconfirm
M 289-91 (2017)	Aluminum-Zinc Alloy Coated Sheet Steel for Corrugated Steel Pipe		No
M 294-18	Corrugated Polyethylene Pipe, 300- to 1500-mm (12- to 60-in.) Diameter		No
M 304-11 (2015)	Poly(Vinyl Chloride) (PVC) Profile Wall Drain Pipe and Fittings Based on Controlled Inside Diameter		Revise or Reconfirm
M 326-18	Polyethylene (PE) Liner Pipe, 300- to 1600-mm Diameter, Based on Controlled Outside Diameter		No
M 330-18	Polypropylene Pipe, 300- to 1500-mm (12- to 60-in.) Diameter		No
M 335-18	Steel-Reinforced Polyethylene (PE) Ribbed Pipe, 300- to 1500-mm (12- to 60-in.) Diameter		No
R 063-13 (2017)	Solid Wall High-Density Polyethylene (HDPE) Conduit for Non-Pressure Applications Used for the Protection of Power and Telecommunications Cables		No
R 082-17	Pipe Joint Selection for Highway Culvert and Storm Drains		No

Technical Subcommittee Action Required Summary—Full Standards

TS 4b

Designation No.	Title	ASTM Equiv.	Action Needed
T 241-95 (2017)	Helical Continuously Welded Seam Corrugated Steel Pipe		No
T 249-03 (2016)	Helical Lock Seam Corrugated Pipe		No
T 341-10 (2014)	Determination of Compression Capacity for Profile Wall Plastic Pipe by Stub Compression Loading		Revise or Reconfirm

Technical Subcommittee Action Required Summary—Full Standards

TS 4c			
Designation No.	Title	ASTM Equiv.	Action Needed
M 133-12 (2016)	Preservatives and Pressure Treatment Processes for Timber		No
M 143-14 (2018)	Sodium Chloride		No
M 144-14 (2018)	Calcium Chloride		No
M 233-86 (2014)	Boiled Linseed Oil Mixture for Treatment of Portland Cement Concrete		Revise or Reconfirm
M 235M/M 235-13 (2018)	Epoxy Resin Adhesives	C881-10	No
M 237-96 (2014)	Epoxy Resin Adhesives for Bonding Traffic Markers to Hardened Portland Cement and Asphalt Concrete		Revise or Reconfirm
M 247-13 (2018)	Glass Beads Used in Pavement Markings		No
M 249-12 (2016)	White and Yellow Reflective Thermoplastic Striping Material (Solid Form)		No
M 300-03 (2017)	Inorganic Zinc-Rich Primer		No
R 031-09 (2014)	Evaluation of Protective Coating Systems for Structural Steel		Revise or Reconfirm
T 143-13 (2017)	Sampling and Testing Calcium Chloride for Roads and Structural Applications		No
T 237-05 (2014)	Testing Epoxy Resin Adhesive		Revise or Reconfirm
T 250-05 (2014)	Thermoplastic Traffic Line Material		Revise or Reconfirm
T 333-07 (2017)	Linear Coefficient of Shrinkage on Cure of Adhesive Systems		No
T 337-09 (2014)	Non-Instrumental Determination of Metallic Zinc in Zinc-Rich Primers		Revise or Reconfirm
T 338-09 (2014)	Analysis of Structural Steel Coatings for Hindered Amine Light Stabilizer (HALS)		Revise or Reconfirm
T 339-10 (2015)	Analysis of Structural Steel Coatings for Isocyanate Content		Revise or Reconfirm
T 346-13 (2017)	Glass Beads Used in Pavement Markings		No

Technical Subcommittee Action Required Summary—Full Standards

TS 4d

Designation No.	Title	ASTM Equiv.	Action Needed
M 030-15	Metallic-Coated Steel Wire Rope and Fittings for Highway Guardrail	A741-11e1	Revise or Reconfirm
M 180-12 (2017)	Corrugated Sheet Steel Beams for Highway Guardrail		No
M 181-10 (2015)	Chain-Link Fence		Revise or Reconfirm
M 268-15	Retroreflective Sheeting for Flat and Vertical Traffic Control Applications		Revise or Reconfirm
M 269-96 (2018)	Turnbuckles and Shackles		No
M 279-14 (2018)	Metallic-Coated, Steel Woven Wire Fence Fabric	A116-11	No
M 280-14 (2018)	Metallic-Coated (Carbon) Steel Barbed Wire	A121-13	No
M 281-96 (2018)	Steel Fence Posts and Assemblies, Hot-Wrought	A702-89(1994)e1	No
M 290-96 (2018)	Acrylic Prismatic Reflectors and Embossed Aluminum Frames for Signs		No
M 333-16	Detectable Warning Surfaces		No
T 257-96 (2018)	Instrumental Photometric Measurements of Retroreflective Materials and Retroreflective Devices		No

Technical Subcommittee Action Required Summary—Full Standards

TS 4e

Designation No.	Title	ASTM Equiv.	Action Needed
M 033-99 (2016)	Preformed Expansion Joint Filler for Concrete (Bituminous Type)	D994-98(2010)	No
M 153-06 (2016)	Preformed Sponge Rubber, Cork, and Recycled Rubber Expansion Joint Fillers for Concrete Paving and Structural Construction	D1752-04a	No
M 168-07 (2016)	Wood Products		No
M 213-01 (2015)	Preformed Expansion Joint Fillers for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types)	D1751-04(2008)	Revise or Reconfirm
M 230-07 (2016)	Expanded and Extruded Foam Board (Polystyrene)		No
M 251-06 (2016)	Plain and Laminated Elastomeric Bridge Bearings		No
M 288-17	Geosynthetic Specification for Highway Applications		No
M 297-10 (2015)	Preformed Polychloroprene Elastomeric Joint Seals for Bridges	D3542-08	Revise or Reconfirm
R 050-09 (2018)	Geosynthetic Reinforcement of the Aggregate Base Course of Flexible Pavement Structures		No
R 069-15	Determination of Long-Term Strength for Geosynthetic Reinforcement		Revise or Reconfirm
T 366-18	Apparent Viscosity of Hot-Poured Asphalt Crack Sealant Using Rotational Viscometer		No
T 367-17	Accelerated Aging of Hot-Poured Asphalt Crack Sealant Using a Vacuum Oven		No
T 368-17	Measuring Low-Temperature Flexural Creep Stiffness of Hot-Poured Asphalt Crack Sealant by Bending Beam Rheometer (BBR)		No
T 369-17	Evaluation of the Low-Temperature Tensile Property of Hot-Poured Asphalt Crack Sealant by Direct Tension Test		No
T 370-18	Measuring Adhesion of Hot-Poured Asphalt Crack Sealant Using Direct Adhesion Tester		No
T 371-17	Measuring Interfacial Fracture Energy of Hot-Poured Asphalt Crack Sealant Using a Blister Test		No

Technical Subcommittee Action Required Summary—Full Standards

TS 4f

Designation No.	Title	ASTM Equiv.	Action Needed
M 031M/M 031-17	Deformed and Plain Carbon and Low-Alloy Steel Bars for Concrete Reinforcement	A615/A615M-16	No
M 054M/M 054-07 (2017)	Welded Deformed Steel Bar Mats for Concrete Reinforcement	A184/A184M-06e1	No
M 102M/M 102-06 (2016)	Steel Forgings, Carbon and Alloy, for General Industrial Use	A668/A668M-04	No
M 103M/M 103-12 (2016)	Steel Castings, Carbon, for General Application	A27/A27M-10	No
M 105-09 (2018)	Gray Iron Castings		No
M 111M/M 111-15	Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products	A123/A123M-13	Revise or Reconfirm
M 163M/M 163-07 (2016)	Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant, for General Application	A743/A743M-06	No
M 169-15	Steel Bars, Carbon and Alloy, Cold-Finished	A108-13	Revise or Reconfirm
M 202M/M 202-08 (2016)	Steel Sheet Piling	A328/A328M-07(2012)	No
M 203M/M 203-18	Steel Strand, Uncoated Seven-Wire for Concrete Reinforcement	A416/A416M-17	No
M 204M/M 204-14 (2018)	Uncoated Stress-Relieved Steel Wire for Prestressed Concrete	A421/A421M-10	No
M 227M/M 227-13 (2017)	Steel Bars, Carbon, Merchant Quality, Mechanical Properties	A663/A663M-12	No
M 232M/M 232-10 (2015)	Zinc Coating (Hot-Dip) on Iron and Steel Hardware	A153/A153M-09	Revise or Reconfirm
M 254-06 (2015)	Corrosion-Resistant Coated Dowel Bars		Revise or Reconfirm
M 255M/M 255-05 (2018)	Steel Bars, Carbon, Hot-Wrought, Special Quality, Mechanical Properties	A675/A675M-03e1	No
M 270M/M 270-15	Structural Steel for Bridges	A709/A709M-13a	Revise or Reconfirm
M 275M/M 275-08 (2016)	Uncoated High-Strength Steel Bars for Prestressing Concrete	A722/A722M-07	No
M 277-06 (2015)	Wire Rope and Sockets for Movable Bridges		Revise or Reconfirm

Technical Subcommittee Action Required Summary—Full Standards

TS 4f

Designation No.	Title	ASTM Equiv.	Action Needed
M 285M/M 285-11 (2015)	Castings, Iron-Chromium-Nickel, Corrosion Resistant, for Severe Service	A744/A744M-10	Revise or Reconfirm
M 292M/M 292-15	Carbon and Alloy Steel Nuts for Bolts for High-Pressure or High-Temperature Service, or Both	A194/A194M-12a	Revise or Reconfirm
M 306-10 (2015)	Drainage, Sewer, Utility, and Related Castings		Revise or Reconfirm
M 314-90 (2018)	Steel Anchor Bolts		No
M 322M/M 322-10 (2015)	Rail-Steel and Axle-Steel Deformed Bars for Concrete Reinforcement	A996/A996M-09	Revise or Reconfirm
M 329M/M 329-11 (2015)	Stainless Clad Deformed and Plain Round Steel Bars for Concrete Reinforcement		Revise or Reconfirm
M 334M/M 334-17	Uncoated, Corrosion-Resistant, Deformed and Plain Chromium Alloyed, Billet-Steel Bars for Concrete Reinforcement and Dowels		No
M 336M/M 336-18	Steel Wire and Welded Wire, Plain and Deformed, for Concrete Reinforcement		No
T 065M/T 065-13 (2017)	Mass [Weight] of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings	A90/A90M-11	No
T 213M/T 213-11 (2015)	Mass [Weight] of Coating on Aluminum-Coated Iron or Steel Articles	A428/A428M-10	Revise or Reconfirm
T 243M/T 243-08 (2017)	Sampling Procedure for Impact Testing of Structural Steel	A673/A673M-07(2012)	No
T 244-18	Mechanical Testing of Steel Products	A370-12a	No
T 253-02 (2016)	Coated Dowel Bars		No
T 285-89 (2015)	Bend Test for Bars for Concrete Reinforcement		Revise or Reconfirm
T 372M/T 372-17	Sensitivity of Stainless Steel to Intergranular Attack		No
T 373M/T 373-17	Comparative Qualitative Corrosion Characterization of Steel Bars Used for Concrete Reinforcement (Linear Polarization Resistance and Potentiodynamic Polarization Tests)		No
T 374M/T 374-17	Comparative Qualitative Corrosion Characterization of Uncoated Chromium-Alloyed Steel Bars Used for Concrete Reinforcement (Tombstone Test)		No
T 375M/T 375-17	Identification of Iron-Based Alloy Steel Bars for Concrete Reinforcement or Dowels by Handheld X-Ray Fluorescence (XRF) Spectrometer		No

Technical Subcommittee Action Required Summary—Full Standards

TS 4f

Designation No.	Title	ASTM Equiv.	Action Needed
T 376M/T 376-17	Macrocell Slab Chloride Threshold		No

Technical Subcommittee Action Required Summary—Full Standards

TS 5a			
Designation No.	Title	ASTM Equiv.	Action Needed
M 261-18	Rib-Tread Standard Tire for Special-Purpose Pavement Frictional-Property Tests	E501-08(2015)	No
M 286-18	Smooth-Tread Standard Tire for Special-Purpose Pavement Frictional-Property Tests	E524-08(2015)	No
M 328-14 (2018)	Inertial Profiler		No
M 331-17	Smoothness of Pavement in Weigh-in-Motion (WIM) Systems		No
R 020-99 (2017)	Procedures for Measuring Highway Noise		No
R 032-11 (2015)	Calibrating the Load Cell and Deflection Sensors for a Falling Weight Deflectometer		Revise or Reconfirm
R 033-11 (2015)	Calibrating the Reference Load Cell Used for Reference Calibrations for a Falling Weight Deflectometer		Revise or Reconfirm
R 036-17	Evaluating Faulting of Concrete Pavements		No
R 037-04 (2018)	Application of Ground Penetrating Radar (GPR) to Highways		No
R 040-10 (2018)	Measuring Pavement Profile Using a Rod and Level		No
R 041-05 (2015)	Measuring Pavement Profile Using a Dipstick®		Revise or Reconfirm
R 043-13 (2017)	Quantifying Roughness of Pavements		No
R 054-14 (2018)	Accepting Pavement Ride Quality When Measured Using Inertial Profiling Systems		No
R 056-14 (2018)	Certification of Inertial Profiling Systems		No
R 057-14 (2018)	Operating Inertial Profiling Systems		No
R 085-18	Quantifying Cracks in Asphalt Pavement Surfaces from Collected Pavement Images Utilizing Automated Methods		No
R 086-18	Collecting Images of Pavement Surfaces for Distress Detection		No
R 087-18	Determining Pavement Deformation Parameters and Cross Slope from Collected Transverse Profiles		No
R 088-18	Collecting the Transverse Pavement Profile		No
T 242-18	Frictional Properties of Paved Surfaces Using a Full-Scale Tire	E274/E274M-15	No
T 256-01 (2016)	Pavement Deflection Measurements		No
T 278-90 (2017)	Surface Frictional Properties Using the British Pendulum Tester	E303-93(2008)	No
T 279-18	Accelerated Polishing of Aggregates Using the British Wheel	D3319-11(2017)	No

Technical Subcommittee Action Required Summary—Full Standards

TS 5a

Designation No.	Title	ASTM Equiv.	Action Needed
T 282-01 (2015)	Calibrating a Wheel Force or Torque Transducer Using a Calibration Platform (User Level)	E556-95(2000)	Revise or Reconfirm
T 317-04 (2018)	Prediction of Asphalt-Bound Pavement Layer Temperatures		No
T 360-16	Measurement of Tire/Pavement Noise Using the On-Board Sound Intensity (OBSI) Method		No

Technical Subcommittee Action Required Summary—Full Standards

TS 5b

Designation No.	Title	ASTM Equiv.	Action Needed
M 224-91 (2014)	Use of Protective Sealers for Portland Cement Concrete		Revise or Reconfirm

Technical Subcommittee Action Required Summary—Full Standards

TS 5c			
Designation No.	Title	ASTM Equiv.	Action Needed
R 008-96 (2015)	Evaluation of Transportation-Related Earthborne Vibrations		Revise or Reconfirm
R 009-05 (2018)	Acceptance Sampling Plans for Highway Construction		No
R 010-06 (2016)	Definition of Terms Related to Quality and Statistics as Used in Highway Construction		No
R 018-18	Establishing and Implementing a Quality Management System for Construction Materials Testing Laboratories		No
R 021-96 (2015)	Drilling for Subsurface Investigations—Unexpectedly Encountering Suspected Hazardous Material		Revise or Reconfirm
R 022-97 (2015)	Decommissioning Geotechnical Exploratory Boreholes		Revise or Reconfirm
R 023-99 (2018)	Chemical, Biological, and Physical Analysis of Water		No
R 024-99 (2018)	Collection and Preservation of Water Samples		No
R 025-18	Technician Training and Certification Programs		No
R 034-03 (2018)	Evaluating Deicing Chemicals		No
R 038-10 (2018)	Quality Assurance of Standard Manufactured Materials		No
R 042-06 (2016)	Developing a Quality Assurance Plan for Hot Mix Asphalt (HMA)		No
R 044-07 (2018)	Independent Assurance (IA) Programs		No
R 061-12 (2016)	Establishing Requirements for Equipment Calibrations, Standardizations, and Checks		No
R 065-14 (2018)	Evaluating the Engineering and Environmental Suitability of Recycled Materials		No
R 089-18	Accreditation Bodies Operating in the Fields of Construction Materials Testing and Inspection		No

Technical Subcommittee Action Required Summary—Provisional Standards

TS 1b

Designation No.	Title	Pub Yr. 1	Action Needed
PP 092-18	Preparation of Test Specimens Using the Plastic Mold Compaction Device	2018	No
TP 100-12 (2018)	Deep Foundation Elements under Bidirectional Static Axial Compressive Load	2012	Revise or 1-Yr. Extend
TP 104-13 (2015)	Rapid Axial Compressive Load Testing of Deep Foundation Units	2013	Revise or 1-Yr. Extend
TP 112-14 (2018)	Determining In-Place Density and Moisture Content of Soil and Soil–Aggregate Using Complex Impedance Methodology	2014	No

Technical Subcommittee Action Required Summary—Provisional Standards

TS 1c

Designation No.	Title	Pub Yr. 1	Action Needed
TP 120-16 (2018)	Pore Index for Carbonate Coarse Aggregate	2016	No

Technical Subcommittee Action Required Summary—Provisional Standards

TS 2a

Designation No.	Title	Pub Yr. 1	Action Needed
MP 031-17	Materials for Cold Recycled Mixtures with Emulsified Asphalt	2017	Revise or 2-Yr. Reconfirm
MP 032-17	Materials for Slurry Seal	2017	Revise or 2-Yr. Reconfirm
MP 033-17	Materials for Emulsified Asphalt Fog Seal	2017	Revise or 2-Yr. Reconfirm
MP 036-18	Materials for Asphalt Tack Coat	2018	No
PP 086-17	Emulsified Asphalt Content of Cold Recycled Mixture Designs	2017	Revise or 2-Yr. Reconfirm
PP 087-17	Slurry Seal Design	2017	Revise or 2-Yr. Reconfirm
PP 088-17	Emulsified Asphalt Fog Seal Design	2017	Revise or 2-Yr. Reconfirm
PP 093-18	Asphalt Tack Coat Design	2018	No

Technical Subcommittee Action Required Summary—Provisional Standards

TS 2b

Designation No.	Title	Pub Yr. 1	Action Needed
MP 037-18	Performance-Graded Asphalt Binder for Surface Treatments	2018	No
TP 092-14 (2018)	Determining the Cracking Temperature of Asphalt Binder Using the Asphalt Binder Cracking Device (ABCD)	2011	Adopt or Drop
TP 101-12 (2018)	Estimating Fatigue Resistance of Asphalt Binders Using the Linear Amplitude Sweep	2012	Revise or 1-Yr. Extend
TP 113-15	Determination of Asphalt Binder Resistance to Ductile Failure Using Double-Edge-Notched Tension (DENT) Test	2015	Revise or 2-Yr. Reconfirm
TP 122-16 (2018)	Determination of Performance Grade of Physically Aged Asphalt Binder Using Extended Bending Beam Rheometer (BBR) Method	2016	No
TP 123-16 (2018)	Measuring Asphalt Binder Yield Energy and Elastic Recovery Using the Dynamic Shear Rheometer	2016	No
TP 127-17	Determining the Fracture Energy Density of Asphalt Binder Using the Binder Fracture Energy (BFE) Test	2017	Revise or 2-Yr. Reconfirm

Technical Subcommittee Action Required Summary—Provisional Standards

TS 2c

Designation No.	Title	Pub Yr. 1	Action Needed
TP 114-18	Determining the Interlayer Shear Strength (ISS) of Asphalt Pavement Layers	2015	Revise or 2-Yr. Reconfirm
TP 115-16 (2017)	Determining the Quality of Tack Coat Adhesion to the Surface of an Asphalt Pavement in the Field or Laboratory	2015	Revise or 2-Yr. Reconfirm
TP 128-17	Evaluation of Oxidation Level of Asphalt Mixtures by a Portable Infrared Spectrometer	2017	Revise or 2-Yr. Reconfirm

Technical Subcommittee Action Required Summary—Provisional Standards

TS 2d

Designation No.	Title	Pub Yr. 1	Action Needed
MP 023-15 (2018)	Reclaimed Asphalt Shingles for Use in Asphalt Mixtures	2014	No
MP 038-18	Mix Design of Cold Recycled Mixture with Foamed Asphalt	2018	No
PP 076-13 (2015)	Troubleshooting Asphalt Specimen Volumetric Differences between Superpave Gyratory Compactors (SCGs) Used in the Design and the Field Management of Superpave Mixtures	2013	Revise or 1-Yr. Extend
PP 077-14 (2018)	Materials Selection and Mixture Design of Permeable Friction Courses	2014	No
PP 078-17	Design Considerations When Using Reclaimed Asphalt Shingles (RAS) in Asphalt Mixtures	2014	No
PP 094-18	Determining Optimum Asphalt Content of Cold Recycled Mixture with Foamed Asphalt	2018	No
PP 095-18	Preparation of Indirect Tension Performance Test Specimens	2018	No
PP 096-18	Developing Dynamic Modulus Master Curves for Hot Mix Asphalt (HMA) Using the Indirect Tension Testing Method	2018	No
TP 105-13 (2015)	Determining the Fracture Energy of Asphalt Mixtures Using the Semicircular Bend Geometry (SCB)	2013	Revise or 1-Yr. Extend
TP 107-18	Determining the Damage Characteristic Curve of Asphalt Mixtures from Direct Tension Cyclic Fatigue Tests	2014	No
TP 108-14 (2018)	Abrasion Loss of Asphalt Mixture Specimens	2014	No
TP 116-15	Rutting Resistance of Asphalt Mixtures Using Incremental Repeated Load Permanent Deformation (iRLPD)	2015	Revise or 2-Yr. Reconfirm
TP 117-15	Determination of the Voids of Dry Compacted Filler	2015	Revise or 2-Yr. Reconfirm
TP 124-18	Determining the Fracture Potential of Asphalt Mixtures Using Semicircular Bend Geometry (SCB) at Intermediate Temperature	2016	No
TP 125-16 (2018)	Determining the Flexural Creep Stiffness of Asphalt Mixtures Using the Bending Beam Rheometer (BBR)	2016	No
TP 131-18	Determining Dynamic Modulus of Asphalt Concrete Using the Indirect Tension Test	2018	No

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TS 3b

Designation No.	Title	Pub Yr. 1	Action Needed
TP 118-17 (2018)	Characterization of the Air-Void System of Freshly Mixed Concrete by the Sequential Pressure Method	2015	Revise or 2-Yr. Reconfirm

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TS 3c

Designation No.	Title	Pub Yr. 1	Action Needed
PP 084-18	Developing Performance Engineered Concrete Pavement Mixtures	2017	Revise or 2-Yr. Reconfirm
PP 089-18	Grinding the Ends of Cylindrical Concrete Specimens	2018	No
TP 119-15 (2017)	Electrical Resistivity of a Concrete Cylinder Tested in a Uniaxial Resistance Test	2015	Revise or 2-Yr. Reconfirm
TP 129-18	Vibrating Kelly Ball (VKelly) Penetration in Fresh Portland Cement Concrete	2018	No

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TS 4c

Designation No.	Title	Pub Yr. 1	Action Needed
MP 024-15 (2018)	Waterborne White and Yellow Traffic Paints	2014	No
PP 073-13 (2018)	Quality Assurance, Job Site Quality Control, and Reapplication of Protective Sealers for Portland Cement Concrete	2011	Adopt or Drop
PP 074-13 (2018)	Determination of Size and Roundness of Glass Beads Used in Traffic Markings by Means of Computerized Optical Method	2011	Adopt or Drop
PP 079-14 (2018)	High-Friction Surface Treatment for Asphalt and Concrete Pavements	2014	No
TP 096-13 (2018)	Protective Sealers for Portland Cement Concrete	2011	Adopt or Drop
TP 106-13 (2015)	Determination of Heavy Metal Content of Glass Beads Using X-Ray Fluorescence (XRF)	2013	Revise or 1-Yr. Extend
TP 111-14 (2018)	Measuring Retroreflectivity of Pavement Marking Materials Using a Mobile Retroreflectivity Unit	2014	No
TP 130-18	Producing Draw Down Panels and Measuring the Coefficient of Retroreflected Luminance (RL) of Pavement Markings in a Laboratory Panel	2018	No

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TS 4d

Designation No.	Title	Pub Yr. 1	Action Needed
TP 103-13 (2018)	Detectable Warning Systems	2012	Revise or 1-Yr. Extend

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TS 4e

Designation No.	Title	Pub Yr. 1	Action Needed
MP 025-18	Performance-Graded Hot-Poured Asphalt Crack Sealant	2015	Revise or 2-Yr. Reconfirm
MP 026-15 (2018)	Cotton Duck Fabric Bridge Bearings	2014	No
PP 085-18	Grading or Verifying the Sealant Grade (SG) of a Hot-Poured Asphalt Crack Sealant	2017	Revise or 2-Yr. Reconfirm
TP 126-18	Evaluation of the Tracking Resistance of Hot-Poured Asphalt Crack Sealant by Dynamic Shear Rheometer (DSR)	2017	Revise or 2-Yr. Reconfirm

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TS 5a

Designation No.	Title	Pub Yr. 1	Action Needed
TP 098-18	Determining the Influence of Road Surfaces on Vehicle Noise Using the Statistical Isolated Pass-By (SIP) Method	2011	Adopt or Drop
TP 099-18	Determining the Influence of Road Surfaces on Traffic Noise Using the Continuous-Flow Traffic Time-Integrated Method (CTIM)	2011	Adopt or Drop

Technical Subcommittee Action Required Summary—Provisional Standards

TS 5b

Designation No.	Title	Pub Yr. 1	Action Needed
MP 022-13 (2017)	Fiber-Reinforced Polymer Composite Materials for Highway and Bridge Structures	2013	Revise or 1-Yr. Extend
MP 027-16 (2018)	Materials for Emulsified Asphalt Chip Seals	2016	No
MP 028-17 (2018)	Materials for Micro Surfacing	2016	No
MP 034-18	Materials for Sand Seals	2018	No
MP 035-18	Thin Overlay Treatments Using a Binder Resin System and Aggregate for Concrete Surfaces	2018	No
PP 082-16 (2018)	Emulsified Asphalt Chip Seal Design	2016	No
PP 083-16 (2018)	Micro Surfacing Design	2016	No
PP 090-18	Sand Seal Design	2018	No
PP 091-18	Emulsified Asphalt Scrub Seal Design	2018	No

Technical Subcommittee Action Required Summary—Provisional Standards

TS 5c

Designation No.	Title	Pub Yr. 1	Action Needed
PP 080-18	Continuous Thermal Profile of Asphalt Mixture Construction	2014	No
PP 081-18	Intelligent Compaction Technology for Embankment and Asphalt Pavement Applications	2016	No