

# MATERIALS STANDARDS :: SUMMARY OF 42ND ED. CHANGES

UPDATE INCLUDES 3 NEW STANDARDS/282 REVISED STANDARDS

DESIGNATION NUMBER	TITLE	TECHNICAL SUBCOMMITTEE NUMBER	BALLOTTED REVISIONS
<b>NEW STANDARDS (3)</b>			
M 339M/M 339-22	Thermometers Used in the Testing of Construction Materials	5c	New standard specification
T 397-22	Uniaxial Response of Ultra-High Performance Concrete	3c	New standard method of test
PP 114-22	Data Lot Names for Intelligent Construction Technologies	5c	New provisional recommended practice
DESIGNATION NUMBER	TITLE	TECHNICAL SUBCOMMITTEE NUMBER	BALLOTTED REVISIONS
<b>REVISED STANDARDS (282)</b>			
M 31M/M 31-22	Deformed and Plain Carbon and Low-Alloy Steel Bars for Concrete Reinforcement	4f	
M 33M/M 33-22	Preformed Expansion Joint Filler for Concrete (Bituminous Type)	4e	
M 54M/M 54-22	Welded Deformed Steel Bar Mats for Concrete Reinforcement	4f	
M 85-22	Portland Cement	3a	
M 86M/M 86-22	Nonreinforced Concrete Sewer, Storm Drain, and Culvert Pipe	4a	
M 102M/M 102-22	Steel Forgings, Carbon and Alloy, for General Industrial Use	4f	
M 152M/M 152-22	Flow Table for Use in Tests of Hydraulic Cement	3a	
M 163M/M 163-22	Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant, for General Application	4f	
M 170-22	Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe	4a	

DESIGNATION NUMBER	TITLE	TECHNICAL SUBCOMMITTEE NUMBER	BALLOTTED REVISIONS
M 170M-22	Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe [Metric]	4a	
M 190-22	Asphalt-Coated Corrugated Metal Culvert Pipe and Pipe-Arches	4b	
M 195-22	Lightweight Aggregates for Structural Concrete	1c	
M 199M/M 199-22	Precast Reinforced Concrete Manhole Sections	4a	
M 206M/M 206-22	Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe	4a	
M 207M/M 207-22	Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe	4a	
M 213-22	Preformed Expansion Joint Fillers for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types)	4e	
M 216-22	Quicklime and Hydrated Lime for Soil Stabilization	3a	
M 224-22	Use of Protective Sealers for Portland Cement Concrete	4c	
M 235M/M 235-22	Epoxy Resin Adhesives	4c	
M 243-22	Field-Applied Coating of Corrugated Metal Structural Plate for Pipe, Pipe-Arches, and Arches	4b	
M 246-22	Steel Sheet, Metallic-Coated and Polymer-Precoated, for Corrugated Steel Pipe	4b	
M 251M/M 251-22	Plain and Laminated Elastomeric Bridge Bearings	4e	
M 259-22	Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers Designed According to AASHTO LRFD	4a	
M 261-22	Rib-Tread Standard Tire for Special-Purpose Pavement Frictional-Property Tests	5a	
M 268-22	Retroreflective Sheeting for Flat and Vertical Traffic Control Applications	4d	
M 273-22	Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers with Less Than 2 ft of Cover Subjected to Highway Loadings	4a	
M 278-22	Class PS46 Poly(Vinyl Chloride) (PVC) Pipe	4b	
M 280-22	Metallic-Coated (Carbon) Steel Barbed Wire	4d	

DESIGNATION NUMBER	TITLE	TECHNICAL SUBCOMMITTEE NUMBER	BALLOTTED REVISIONS
M 281-22	Steel Fence Posts and Assemblies, Hot-Wrought	4d	
M 285M/M 285-22	Castings, Iron-Chromium-Nickel, Corrosion Resistant, for Severe Service	4f	
M 286-22	Smooth-Tread Standard Tire for Special-Purpose Pavement Frictional-Property Tests	5a	
M 288-22	Geosynthetic Specification for Highway Applications	4g	
M 292M/M 292-22	Carbon and Alloy Steel Nuts for Bolts for High-Pressure or High-Temperature Service, or Both	4f	
M 300-22	Inorganic Zinc-Rich Primer	4c	
M 302-22	Slag Cement for Use in Concrete and Mortars	3a	
M 307-22	Silica Fume Used in Cementitious Mixtures	3a	
M 320-22	Performance-Graded Asphalt Binder	2b	
M 322M/M 322-22	Rail-Steel and Axle-Steel Deformed Bars for Concrete Reinforcement	4f	
M 323-22	Superpave Volumetric Mix Design	2d	
M 327-22	Processing Additions for Use in the Manufacture of Hydraulic Cements	3a	
M 332-22	Performance-Graded Asphalt Binder Using Multiple Stress Creep Recovery (MSCR) Test	2b	
M 340-22	Materials for Emulsified Asphalt Chip Seals	5b	Formerly MP 27
M 341-22	Materials for Microsurfacing	5b	Formerly MP 28
M 342-22	Materials for Slurry Seal	5b	Formerly MP 32
M 343-22	Materials for Emulsified Asphalt Fog Seal	5b	Formerly MP 33
M 344-22	Materials for Sand Seals	5b	Formerly MP 34
M 345-22	Materials for Emulsified Asphalt Scrub Seal	5b	Formerly MP 43
M 346-22	Materials for Ultrathin Bonded Wearing Course	5b	Formerly MP 44

<b>DESIGNATION NUMBER</b>	<b>TITLE</b>	<b>TECHNICAL SUBCOMMITTEE NUMBER</b>	<b>BALLOTTED REVISIONS</b>
M 347-22	Materials for Full-Depth Reclamation Mixtures with Emulsified Asphalt	5b	Formerly MP 45
M 348-22	Waterborne White and Yellow Traffic Paints	5b	Formerly MP 24
M 349-22	Materials for Asphalt Tack Coat	2a	Formerly MP 36
M 350-22	Reclaimed Asphalt Shingles for Use in Asphalt Mixtures	2d	Formerly MP 23
R 10-22	Definition of Terms Related to Quality and Statistics as Used in Highway Construction	5c	
R 13-22	Conducting Geotechnical Subsurface Investigations	1b	
R 25-22	Technician Training and Certification Programs	5c	
R 28-22	Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV)	2b	
R 30-22	Mixture Conditioning of Hot Mix Asphalt (HMA)	2c	
R 35-22	Superpave Volumetric Design for Asphalt Mixtures	2d	
R 46-22	Designing Stone Matrix Asphalt (SMA)	2d	
R 47-22	Reducing Samples of Asphalt Mixtures to Testing Size	2c	
R 51-22	Compost for Erosion/Sediment Control (Filter Berms and Filter Socks)	4g	
R 52-22	Compost for Erosion/Sediment Control (Compost Blankets)	4g	
R 58-22	Dry Preparation of Disturbed Soil and Soil-Aggregate Samples for Test	1a	
R 59-22	Recovery of Asphalt Binder from Solution by Absorbent Method	2c	
R 64-22	Sampling and Fabrication of 50-mm (2-in.) Cube Specimens Using Grout (Non-Shrink) or Mortar	3b	
R 68-22	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	2d	
R 70M/R 70-22	Use of Apparatus for the Determination of Length Change of Hardened Cement Paste, Mortar, and Concrete	3a	

DESIGNATION NUMBER	TITLE	TECHNICAL SUBCOMMITTEE NUMBER	BALLOTTED REVISIONS
R 71-22	Sampling and Amount of Testing of Hydraulic Cement	3a	
R 72-22	Match Curing of Concrete Test Specimens	3c	
R 74-22	Wet Preparation of Disturbed Soil Samples for Test	1a	
R 78-22	Recovering Residue from Emulsified Asphalt Using Low- Temperature Evaporative Techniques	2a	
R 79-22	Vacuum Drying Compacted Asphalt Specimens	2c	
R 83-22	Preparation of Cylindrical Performance Test Specimens Using the Superpave Gyrotory Compactor (SGC)	2d	
R 95-22	Accelerated Aging of Hot-Poured Asphalt Crack Sealant Using a Vacuum Oven	4e	
R 100-22	Making and Curing Concrete Test Specimens in the Field	3b	
R 101-22	Developing Performance Engineered Concrete Pavement Mixtures	3c	Formerly PP 84
R 102-22	Emulsified Asphalt Chip Seal Design	5b	Formerly PP 82
R 103-22	Microsurfacing Design	5b	Formerly PP 83
R 104-22	Slurry Seal Design	5b	Formerly PP 87
R 105-22	Emulsified Asphalt Fog Seal Design	5b	Formerly PP 88
R 106-22	Sand Seal Design	5b	Formerly PP 90
R 107-22	Emulsified Asphalt Scrub Seal Design	5b	Formerly PP 91
R 108-22	Ultrathin Bonded Wearing Course Design	5b	Formerly PP 100
R 109-22	Emulsified Asphalt Content of Full-Depth Reclamation Mixture Design	5b	Formerly PP 101
R 110-22	Continuous Thermal Profile of Asphalt Mixture Construction	5c	Formerly PP 80
R 111-22	Intelligent Compaction Technology for Embankment and Asphalt Pavement Applications	5c	Formerly PP 81

<b>DESIGNATION NUMBER</b>	<b>TITLE</b>	<b>TECHNICAL SUBCOMMITTEE NUMBER</b>	<b>BALLOTTED REVISIONS</b>
R 112-22	Asphalt Tack Coat Design	2a	Formerly PP 93
R 113-22	Materials Selection and Mixture Design of Permeable Friction Courses (PFCs)	2d	Formerly PP 77
R 114-22	Design Considerations When Using Reclaimed Asphalt Shingles (RAS) in Asphalt Mixtures	2d	Formerly PP 78
T 11-22	Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	1c	
T 19M/T 19-22	Bulk Density ("Unit Weight") and Voids in Aggregate	1c	
T 22M/T 22-22	Compressive Strength of Cylindrical Concrete Specimens	3c	
T 24M/T 24-22	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	3c	
T 27-22	Sieve Analysis of Fine and Coarse Aggregates	1c	
T 44-22	Solubility of Bituminous Materials	2b	
T 48-22	Flash Point of Asphalt Binder by Cleveland Open Cup	2b	
T 49-22	Penetration of Bituminous Materials	2b	
T 50-22	Float Test for Bituminous Materials	2a	
T 51-22	Ductility of Asphalt Materials	2b	
T 53-22	Softening Point of Bitumen (Ring-and-Ball Apparatus)	2b	
T 59-22	Emulsified Asphalts	2a	
T 71-22	Effect of Organic Impurities in Fine Aggregate on Strength of Mortar	1c	
T 72-22	Saybolt Viscosity	2a	
T 78-22	Distillation of Cutback Asphalt Products	2a	
T 79-22	Flash Point with Tag Open-Cup Apparatus for Use with Material Having a Flash Point Less Than 93°C (200°F)	2a	
T 84-22	Specific Gravity and Absorption of Fine Aggregate	1c	

DESIGNATION NUMBER	TITLE	TECHNICAL SUBCOMMITTEE NUMBER	BALLOTTED REVISIONS
T 85-22	Specific Gravity and Absorption of Coarse Aggregate	1c	
T 88-22	Particle Size Analysis of Soils	1a	
T 89-22	Determining the Liquid Limit of Soils	1a	
T 90-22	Determining the Plastic Limit and Plasticity Index of Soils	1a	
T 96-22	Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	1c	
T 97-22	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	3c	
T 99-22	Moisture-Density Relations of Soils Using a 2.5-kg (5.5-lb) Rammer and a 305-mm (12-in.) Drop	1b	
T 100-22	Specific Gravity of Soils	1a	
T 102-22	Spot Test of Asphaltic Materials	2b	
T 103-22	Soundness of Aggregates by Freezing and Thawing	1c	
T 104-22	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	1c	
T 105-22	Chemical Analysis of Hydraulic Cement	3a	
T 106M/T 106-22	Compressive Strength of Hydraulic Cement Mortar (Using 50-mm or 2-in. Cube Specimens)	3a	
T 107M/T 107-22	Autoclave Expansion of Hydraulic Cement	3a	
T 111-22	Mineral Matter or Ash in Asphalt Materials	2b	
T 112-22	Clay Lumps and Friable Particles in Aggregate	1c	
T 113-22	Lightweight Particles in Aggregate	1c	
T 129-22	Amount of Water Required for Normal Consistency of Hydraulic Cement Paste	3a	
T 131-22	Time of Setting of Hydraulic Cement by Vicat Needle	3a	

DESIGNATION NUMBER	TITLE	TECHNICAL SUBCOMMITTEE NUMBER	BALLOTTED REVISIONS
T 132-22	Tensile Strength of Hydraulic Cement Mortars	3a	
T 133-22	Density of Hydraulic Cement	3a	
T 134-22	Moisture-Density Relations of Soil-Cement Mixtures	1b	
T 135-22	Wetting-and-Drying Test of Compacted Soil-Cement Mixtures	1b	
T 136-22	Freezing-and-Thawing Tests of Compacted Soil-Cement Mixtures	1b	
T 137-22	Air Content of Hydraulic Cement Mortar	3a	
T 148-22	Measuring Length of Drilled Concrete Cores	3c	
T 153-22	Fineness of Hydraulic Cement by Air Permeability Apparatus	3a	
T 154-22	Time of Setting of Hydraulic Cement Paste by Gillmore Needles	3a	
T 155-22	Water Retention by Liquid Membrane-Forming Curing Compounds for Concrete	3b	
T 157-22	Air-Entraining Admixtures for Concrete	3b	
T 158-22	Bleeding of Concrete	3b	
T 160-22	Length Change of Hardened Hydraulic Cement Mortar and Concrete	3c	
T 161-22	Resistance of Concrete to Rapid Freezing and Thawing	3c	
T 162-22	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	3a	
T 164-22	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	2c	
T 166-22	Bulk Specific Gravity ( $G_{mb}$ ) of Compacted Asphalt Mixtures Using Saturated Surface-Dry Specimens	2c	
T 167-22	Compressive Strength of Hot Mix Asphalt	2d	
T 176-22	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	1a	
T 178-22	Portland Cement Content of Hardened Hydraulic-Cement Concrete	3c	



DESIGNATION NUMBER	TITLE	TECHNICAL SUBCOMMITTEE NUMBER	BALLOTTED REVISIONS
T 179-22	Effect of Heat and Air on Asphalt Materials (Thin-Film Oven Test)	2b	
T 180-22	Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop	1b	
T 185-22	Early Stiffening of Hydraulic Cement (Mortar Method)	3a	
T 186-22	Early Stiffening of Hydraulic Cement (Paste Method)	3a	
T 190-22	Resistance R-Value and Expansion Pressure of Compacted Soils	1a	
T 193-22	The California Bearing Ratio	1a	
T 194-22	Determination of Organic Matter in Soils by Wet Combustion	1a	
T 195-22	Determining Degree of Particle Coating of Asphalt Mixtures	2c	
T 196M/T 196-22	Air Content of Freshly Mixed Concrete by the Volumetric Method	3b	
T 197M/T 197-22	Time of Setting of Concrete Mixtures by Penetration Resistance	3b	
T 198-22	Splitting Tensile Strength of Cylindrical Concrete Specimens	3c	
T 201-22	Kinematic Viscosity of Asphalts (Bitumens)	2b	
T 202-22	Viscosity of Asphalts by Vacuum Capillary Viscometer	2b	
T 206-22	Penetration Test and Split-Barrel Sampling of Soils	1b	
T 207-22	Thin-Walled Tube Sampling of Soils	1b	
T 209-22	Theoretical Maximum Specific Gravity ( $G_{mm}$ ) and Density of Asphalt Mixtures	2c	
T 210-22	Aggregate Durability Index	1c	
T 215-22	Permeability of Granular Soils (Constant Head)	1a	
T 216-22	One-Dimensional Consolidation Properties of Soils	1a	
T 219-22	Testing Lime for Chemical Constituents and Particle Sizes	3a	

DESIGNATION NUMBER	TITLE	TECHNICAL SUBCOMMITTEE NUMBER	BALLOTTED REVISIONS
T 220-22	Determination of the Strength of Soil-Lime Mixtures	1a	
T 226-22	Triaxial Compressive Strength of Undrained Rock Core Specimens without Pore Pressure Measurements	1a	
T 228-22	Specific Gravity of Semi-Solid Asphalt Materials	2b	
T 233-22	Density of Soil In-Place by Block, Chunk, or Core Sampling	1a	
T 236-22	Direct Shear Test of Soils under Consolidated Drained Conditions	1a	
T 237-22	Testing Epoxy Resin Adhesive	4c	
T 240-22	Effect of Heat and Air on a Moving Film of Asphalt Binder (Rolling Thin-Film Oven Test)	2b	
T 244-22	Mechanical Testing of Steel Products	4f	
T 245-22	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	2d	
T 246-22	Resistance to Deformation and Cohesion of Hot Mix Asphalt (HMA) by Means of Hveem Apparatus	2d	
T 247-22	Preparation of Test Specimens of Hot Mix Asphalt (HMA) by Means of California Kneading Compactor	2d	
T 250-22	Thermoplastic Traffic Line Material	4c	
T 255-22	Total Evaporable Moisture Content of Aggregate by Drying	1c	
T 265-22	Laboratory Determination of Moisture Content of Soils	1a	
T 267-22	Determination of Organic Content in Soils by Loss on Ignition	1a	
T 275-22	Bulk Specific Gravity ( $G_{mb}$ ) of Compacted Asphalt Mixtures Using Paraffin-Coated Specimens	2c	
T 276-22	Measuring Early-Age Compression Strength and Projecting Later-Age Strength	3c	
T 277-22	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	3c	
T 280-22	Concrete Pipe, Manhole Sections, or Tile	4a	

DESIGNATION NUMBER	TITLE	TECHNICAL SUBCOMMITTEE NUMBER	BALLOTTED REVISIONS
T 281-22	Vitrified Clay Pipe	4a	
T 283-22	Resistance of Compacted Asphalt Mixtures to Moisture-Induced Damage	2d	
T 287-22	Asphalt Binder Content of Asphalt Mixtures by the Nuclear Method	2c	
T 289-22	Determining pH of Soil for Use in Corrosion Testing	1a	
T 291-22	Determining Water-Soluble Chloride Ion Content in Soil	1a	
T 295-22	Specific Gravity or API Gravity of Liquid Asphalts by Hydrometer Method	2a	
T 296-22	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	1a	
T 300-22	Force Ductility Test of Asphalt Materials	2a	
T 301-22	Elastic Recovery Test of Asphalt Materials by Means of a Ductilometer	2b	
T 302-22	Polymer Content of Polymer-Modified Emulsified Asphalt Residue and Asphalt Binders	2a	
T 303-22	Accelerated Detection of Potentially Deleterious Expansion of Mortar Bars Due to Alkali-Silica Reaction	1c	
T 304-22	Uncompacted Void Content of Fine Aggregate	1c	
T 305-22	Determination of Draindown Characteristics in Uncompacted Asphalt Mixtures	2c	
T 308-22	Determining the Asphalt Binder Content of Asphalt Mixtures by the Ignition Method	2c	
T 309-22	Temperature of Freshly Mixed Portland Cement Concrete	3b	
T 310-22	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	1b	
T 312-22	Preparing and Determining the Density of Asphalt Mixture Specimens by Means of the Superpave Gyrotory Compactor	2d	
T 313-22	Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	2b	

DESIGNATION NUMBER	TITLE	TECHNICAL SUBCOMMITTEE NUMBER	BALLOTTED REVISIONS
T 314-22	Determining the Fracture Properties of Asphalt Binder in Direct Tension (DT)	2b	
T 315-22	Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	2b	
T 316-22	Viscosity Determination of Asphalt Binder Using Rotational Viscometer	2b	
T 319-22	Quantitative Extraction and Recovery of Asphalt Binder from Asphalt Mixtures	2c	
T 320-22	Determining the Permanent Shear Strain and Stiffness of Asphalt Mixtures Using the Superpave Shear Tester (SST)	2d	
T 321-22	Determining the Fatigue Life of Compacted Asphalt Mixtures Subjected to Repeated Flexural Bending	2d	
T 324-22	Hamburg Wheel-Track Testing of Compacted Asphalt Mixtures	2d	
T 325-22	Estimating the Strength of Concrete in Transportation Construction by Maturity Tests	3b	
T 326-22	Uncompacted Void Content of Coarse Aggregate (As Influenced by Particle Shape, Surface Texture, and Grading)	1c	
T 327-22	Resistance of Coarse Aggregate to Degradation by Abrasion in the Micro-Deval Apparatus	1c	
T 329-22	Moisture Content of Asphalt Mixtures by Oven Method	2c	
T 330-22	The Qualitative Detection of Harmful Clays of the Smectite Group in Aggregates Using Methylene Blue	1c	
T 331-22	Bulk Specific Gravity ( $G_{mb}$ ) and Density of Compacted Asphalt Mixtures Using Automatic Vacuum Sealing Method	2c	
T 332-22	Determining Chloride Ions in Concrete and Concrete Materials by Specific Ion Probe	3c	
T 333-22	Linear Coefficient of Shrinkage on Cure of Adhesive Systems	4c	
T 336-22	Coefficient of Thermal Expansion of Hydraulic Cement Concrete	3c	
T 339-22	Analysis of Structural Steel Coatings for Isocyanate Content	4c	

DESIGNATION NUMBER	TITLE	TECHNICAL SUBCOMMITTEE NUMBER	BALLOTTED REVISIONS
T 341-22	Determination of Compression Capacity for Profile Wall Plastic Pipe by Stub Compression Loading	4b	
T 342-22	Determining Dynamic Modulus of Hot Mix Asphalt (HMA)	2d	
T 344-22	Evaluation of Superpave Gyrotory Compactor (SGC) Internal Angle of Gyration Using Simulated Loading	2d	
T 346-22	Glass Beads Used in Pavement Markings	4c	
T 348-22	Air-Void Characteristics of Freshly Mixed Concrete by Buoyancy Change	3b	
T 354-22	Specific Gravity and Absorption of Aggregate by Volumetric Immersion Method	1c	
T 355-22	In-Place Density of Asphalt Mixtures by Nuclear Methods	2c	
T 356-22	Determining Air Content of Hardened Portland Cement Concrete by High-Pressure Air Meter	3c	
T 357-22	Predicting Chloride Penetration of Hydraulic Cement Concrete by the Rapid Migration Procedure	3c	
T 358-22	Surface Resistivity Indication of Concrete's Ability to Resist Chloride Ion Penetration	3c	
T 361-22	Determining Asphalt Binder Bond Strength by Means of the Binder Bond Strength (BBS) Test	2a	
T 363-22	Evaluating Stress Development and Cracking Potential due to Restrained Volume Change Using a Dual Ring Test	3c	
T 364-22	Determination of Composite Activation Energy of Aggregates due to Alkali-Silica Reaction (Chemical Method)	3c	
T 366-22	Apparent Viscosity of Hot-Poured Asphalt Crack Sealant Using Rotational Viscometer	4e	
T 368-22	Measuring Low-Temperature Flexural Creep Stiffness of Hot-Poured Asphalt Crack Sealant by Bending Beam Rheometer (BBR)	4e	
T 369-22	Evaluation of the Low-Temperature Tensile Property of Hot-Poured Asphalt Crack Sealant by Direct Tension Test	4e	
T 370-22	Measuring Adhesion of Hot-Poured Asphalt Crack Sealant Using Direct Adhesion Tester	4e	

DESIGNATION NUMBER	TITLE	TECHNICAL SUBCOMMITTEE NUMBER	BALLOTTED REVISIONS
T 371-22	Measuring Interfacial Fracture Energy of Hot-Poured Asphalt Crack Sealant Using a Blister Test	4e	
T 377-22	Detecting the Presence of Phosphorous in Asphalt Binder	2b	
T 378-22	Determining the Dynamic Modulus and Flow Number for Asphalt Mixtures Using the Asphalt Mixture Performance Tester (AMPT)	2d	
T 380-22	Potential Alkali Reactivity of Aggregates and Effectiveness of ASR Mitigation Measures (Miniature Concrete Prism Test, MCPT)	3c	
T 381-22	Determining Aggregate Shape Properties by Means of Digital Image Analysis	1c	
T 382-22	Determining the Viscosity of Emulsified Asphalt by a Rotational Paddle Viscometer	2a	
T 383-22	Evaluation of Asphalt Release Agents (ARAs)	2b	
T 384-22	Protective Sealers for Portland Cement Concrete	4c	
T 388-22	Detectable Warning Systems	4d	
T 389-22	Determining the Influence of Road Surfaces on Vehicle Noise Using the Statistical Isolated Pass-By (SIP) Method	5a	
T 390-22	Determining the Influence of Road Surfaces on Traffic Noise Using the Continuous-Flow Traffic Time-Integrated Method (CTIM)	5a	
T 393-22	Determining the Fracture Potential of Asphalt Mixtures Using the Illinois Flexibility Index Test (I-FIT)	2d	
T 394-22	Determining the Fracture Energy of Asphalt Mixtures Using the Semicircular Bend Geometry (SCB)	2d	
T 395-22	Characterization of the Air-Void System of Freshly Mixed Concrete by the Sequential Pressure Method	3b	Formerly TP 118
T 396-22	Box Test in Slip Form Paving of Fresh Portland Cement Concrete	3b	Formerly TP 137
T 398-22	Measuring Retroreflectivity of Pavement Marking Materials Using a Mobile Retroreflectivity Unit	4c	Formerly TP 111
T 399-22	Determining In-Place Density and Moisture Content of Soil and Soil-Aggregate Using Complex Impedance Methodology	1b	Formerly TP 112

DESIGNATION NUMBER	TITLE	TECHNICAL SUBCOMMITTEE NUMBER	BALLOTTED REVISIONS
T 400-22	Determining the Damage Characteristic Curve and Failure Criterion Using the Asphalt Mixture Performance Tester (AMPT) Cyclic Fatigue Test	2d	Formerly TP 107
T 401-22	Cantabro Abrasion Loss of Asphalt Mixture Specimens	2d	Formerly TP 108
MP 31-22	Materials Used in Cold Recycled Mixtures with Emulsified Asphalt	2a	
MP 35-22	Thin Overlay Treatments Using a Binder Resin System and Aggregate for Concrete Surfaces	4c	
MP 38-22	Materials Used in Cold Recycled Mixture with Foamed Asphalt	2d	
MP 39-22	File Format of Intelligent Compaction Data	5c	
MP 41-22	High Friction Surface Treatment for Asphalt and Concrete Pavements Using Calcined Bauxite	4c	
MP 42-22	Steel-Reinforced Polyethylene (SRPE) Corrugated Pipe	4b	
MP 46-22	Balanced Mix Design	2d	
MP 47-22	File Format of Two-Dimensional and Three-Dimensional (2D/3D) Pavement Image Data	5a	
PP 94-22	Determination of Optimum Asphalt Content of Cold Recycled Mixture with Foamed Asphalt	2d	
PP 95-22	Preparation of Indirect Tension Performance Test Specimens	2d	
TP 113-22	Determination of Asphalt Binder Resistance to Ductile Failure Using Double-Edge-Notched Tension (DENT) Test	2b	
TP 116-22	Rutting and Fatigue Resistance of Asphalt Mixtures Using Incremental Repeated Load Permanent Deformation (iRLPD)	2d	
TP 117-22	Determination of the Voids of Dry Compacted Filler	2c	
TP 119-22	Electrical Resistivity of a Concrete Cylinder Tested in a Uniaxial Resistance Test	3c	
TP 120-22	Pore Index for Carbonate Coarse Aggregate	1c	

DESIGNATION NUMBER	TITLE	TECHNICAL SUBCOMMITTEE NUMBER	BALLOTTED REVISIONS
TP 122-22	Determination of Performance Grade of Physically Aged Asphalt Binder Using Extended Bending Beam Rheometer (BBR) Method	2b	
TP 125-22	Determining the Flexural Creep Stiffness of Asphalt Mixtures Using the Bending Beam Rheometer (BBR)	2d	
TP 126-22	Evaluation of the Tracking Resistance of Hot-Poured Asphalt Crack Sealant by Dynamic Shear Rheometer (DSR)	4e	
TP 127-22	Determining the Fracture Energy Density of Asphalt Binder Using the Binder Fracture Energy (BFE) Test	2b	
TP 128-22	Evaluation of Oxidation Level of Asphalt Mixtures by a Portable Infrared Spectrometer	2c	
TP 133-22	Determining the Damage Characteristic Curve and Failure Criterion Using Small Specimens in the Asphalt Mixture Performance Tester (AMPT) Cyclic Fatigue Test	2d	
TP 134-22	Stress Sweep Rutting (SSR) Test Using Asphalt Mixture Performance Tester (AMPT)	2d	
TP 135-22	Total Pore Volume in Hardened Concrete Using Vacuum Saturation	3c	
TP 136-22	Degree of Saturation of Hydraulic-Cement Concrete	3c	
TP 139-22	Determining the Relative Density (Specific Gravity) and Absorption of Lightweight Aggregate for Internally Cured Concrete Mixtures	1c	
TP 140-22	Moisture Sensitivity Using Hydrostatic Pore Pressure to Determine Cohesion and Adhesion Strength of Compacted Asphalt Mixture Specimens	2d	
TP 141-22	Determining the Indirect Tensile Nflex Factor to Assess the Cracking Resistance of Asphalt Mixtures	2d	