

## Status of AASHTO Materials Standards and Test Methods—August 2017

This document shows all materials specifications, practices, and test methods that have been published as part of the AASHTO *Standard Specifications for Transportation Materials and Methods of Sampling and Testing* from its first publication in 1931 through the most recent edition.

The chart on the following pages shows each AASHTO standard, in numerical order. Information includes the standard's original and current titles, the year it was adopted, and its current status. Active AASHTO standards are shown with a white background; standards which are no longer active are shown with a gray background. For standards that are no longer active, the chart also shows the date the standard was discontinued, as well as the reason for its discontinuation, if known. If a substitute standard—either from AASHTO or another organization—has been identified to be used instead, its number is also provided. Finally, the Notes column contains any additional relevant information about the publication history of the standard.

### AASHTO Standards

AASHTO materials standards consist of a single letter indicating the standard type and a one- to three-digit number uniquely identifying the standard. This is followed by second number indicating the date of most recent revision and, if applicable, review. These dates change frequently and are not shown in this list.

### Standard Types

Standard types are represented by a one-letter abbreviation for full standards. The letter “P” is added for provisional standards, which are listed separately for Part 3. The abbreviations for full standard types are as follows:

- M (Materials)
- R (PRactice)
- T (Test)

### Standard Numbers

Standard numbers are sequential within standard type.

## Status of AASHTO Materials Standards and Test Methods—August 2017

| Standard Number | Original Title   | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known) | Other Notes  |
|-----------------|--|---|--------------|--------------|-------------------|--------------------------------|--|
| M 1             | Stone for Telford Base Course and Reconstructed Base Course  | Stone for Telford Base Course and Reconstructed Base Course | 1924         | Discontinued | 1942              |                                |  |
| M 2             | Broken Stone for Waterbound Base Course  | Crushed Stone for Waterbound Base Course                    | 1924         | Discontinued | 1938              |                                |  |
| M 3             | Broken Slag for Waterbound Base Course   | Crushed Slag for Waterbound Base Course                     | 1924         | Discontinued | 1938              |                                |  |
| M 4             | Broken Stone for Bituminous Base Course  | Crushed Stone for Bituminous Base Course                    | 1926         | Discontinued | 1938              |                                |  |
| M 5             | Portland Cement  | Portland Cement   | 1930         | Discontinued | 1942              |                                |  |
| M 6             | Fine Aggregate for Portland Cement Concrete Pavement or Base Course, Highway Bridges and Incidental Structures | Fine Aggregate for Hydraulic Cement Concrete                | 1924         | Active       |                   |                                |  |
| M 6a            | Mortar Sand  | Mortar Sand   | 1924         | Renumbered   | 1935              | Renumbered as M 45             |  |
| M 7             | Broken Stone for Portland Cement Concrete Base Course  | Crushed Stone for Portland Cement Concrete Base Course      | 1924         | Discontinued | 1938              |                                |  |
| M 8             | [Title unknown—Never printed]  |   |              | Unused       |                   |                                | This number was likely used for a standard that was proposed but not adopted in the 1920s. No record of its content remains. |
| M 9             | Broken Stone for Waterbound Macadam Surface Course   | Crushed Stone for Waterbound Macadam Surface Course         | 1924         | Discontinued | 1938              |                                |  |
| M 10            | Broken Slag for Waterbound Macadam Surface Course  | Crushed Slag for Waterbound Macadam Surface Course          | 1924         | Discontinued | 1938              |                                |  |
| M 11            | Broken Stone for Bituminous Macadam Surface Course   | Crushed Stone for Bituminous Macadam Surface Course         | 1924         | Discontinued | 1938              |                                |  |
| M 12            | Broken Slag for Bituminous Macadam Surface Course  | Crushed Slag for Bituminous Macadam Surface Course          | 1924         | Discontinued | 1938              |                                |  |
| M 13            | Broken Stone for Bituminous Concrete Surface Course  | Crushed Stone for Bituminous Concrete Surface Course        | 1926         | Discontinued | 1938              |                                |  |
| M 14            | Broken Slag for Bituminous Concrete Surface Course   | Crushed Slag for Bituminous Concrete Surface Course         | 1924         | Discontinued | 1938              |                                |  |

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|-----------------|---|---|--------------|--------------|-------------------|--------------------------------|--------------------------------|
| M 15            | Broken Stone for Portland Cement Concrete Surface Courses, Highway Bridges and Incidental               | Crushed Stone for Portland Cement Concrete Surface Courses, Highway Bridges and Incidental    | 1924         | Discontinued | 1938              |                                |                                |
| M 16            | Broken Slag for Portland Cement Concrete Base and Surface Course  | Crushed Slag for Portland Cement Concrete Base and Surface Course                             | 1924         | Discontinued | 1938              |                                |                                |
| M 17            | Mineral Filler  | Mineral Filler for Bituminous Paving Mixtures   | 1924         | Active       |                   |                                |                                |
| M 18            | Oil Asphalt Filler Type A   | Oil Asphalt Filler  | 1924         | Discontinued | 1978              |                                |                                |
| M 19            | Asphalt Filler Type B   | Asphalt Filler Type B   | 1924         | Discontinued | 1935              |                                |                                |
| M 20            | Asphalt Cement (Prepared from Petroleum)—Penetration Grades 30 to 40, 40 to 50, 50 to 60, 60 to 70      | Penetration-Graded Asphalt Cement   | 1924         | Discontinued | 2009              | Lack of use                    |                                |
| M 21            | Asphalt Cement (Prepared from Petroleum)—Penetration Grades 85 to 100, 100 to 120, 120 to 150           | Asphalt Cement (Prepared from Petroleum)—Penetration Grades 85 to 100, 100 to 120, 120 to 150 | 1924         | Discontinued | 1935              |                                |                                |
| M 22            | Asphalt Cement (Prepared from Native Asphalt)—Penetration Grades 30 to 40, 40 to 50, 50 to 60, 60 to 70 | Asphalt Cement, Prepared from Native Asphalt, Grades 30-40, 40-50, 60-70                      | 1924         | Discontinued | 1961              |                                | Did not appear in 1961 edition |
| M 23            | Asphalt Cement (Prepared from Native Asphalt)—Penetration Grades 85 to 100, 100 to 120, 120 to 150      | Asphalt Cement, Prepared from Native Asphalt, Grades 85-100, 100-120, 120-150                 | 1924         | Discontinued | 1942              |                                |                                |
| M 24            | Tar for Surface Treatment (Cold Application)  | Tar for Surface Treatment (Cold Application)  | 1924         | Discontinued | 1935              |                                |                                |
| M 25            | Tar for Surface Treatment (Hot Application)   | Tar for Surface Treatment (Hot Application)   | 1924         | Discontinued | 1935              |                                |                                |
| M 26            | Tar for Use in the Maintenance of Cracks and for Sealing Joints in Concrete Roads                       | Tar for Use in the Maintenance of Cracks and for Sealing Joints in Concrete Roads             | 1924         | Discontinued | 1935              |                                |                                |
| M 27            | Tar Cement  | Tar Cement  | 1924         | Discontinued | 1935              |                                |                                |

| Standard Number | Original Title  | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)            | Other Notes  |
|-----------------|---|---|--------------|--------------|-------------------|---|--|
| M 28            | [Title unknown—Never printed]   |   |              | Unused       |                   |   | This number was likely used for a standard that was proposed but not adopted in the 1920s. No record of its content remains. |
| M 29            | Sand for Bituminous Mixtures  | Fine Aggregate for Bituminous Paving Mixtures                                 | 1924         | Active       |                   |   |  |
| M 30            | Wire Rope and Fittings for Highway Guard Rail                               | Metallic-Coated Steel Wire Rope and Fittings for Highway Guardrail            | 1926         | Active       |                   |   |  |
| M 31            | Billet-Steel Concrete Reinforcement Bars                                    | Deformed and Plain Billet-Steel Bars for concrete Reinforcement               | 1924         | Converted    | 1997              | Replaced by dual-unit standard M 31M/M 31 |  |
| M 31M/M 31      | Deformed and Plain Billet-Steel Bars for Concrete Reinforcement             | Deformed and Plain Carbon and Low-Alloy Steel Bars for Concrete Reinforcement | 1995         | Active       |                   |   |  |
| M 31M           | Deformed and Plain Billet-Steel Bars for Concrete Reinforcement [Metric]    | Deformed and Plain Billet-Steel Bars for Concrete Reinforcement [Metric]      | 1982         | Converted    | 1997              | Replaced by dual-unit standard M 31M/M 31 |  |
| M 32            | Cold Drawn Steel Wire Fabric for Concrete Reinforcement                     | Steel Wire, Plain, for Concrete Reinforcement                                 | 1924         | Converted    | 1995              | Replaced by dual-unit standard M 32M/M 32 |  |
| M 32M/M 32      | Steel Wire, Plain, for Concrete Reinforcement                               | Steel Wire, Plain, for Concrete Reinforcement                                 | 1994         | Active       |                   |   |  |
| M 33            | Pre-molded Expansion Joints   | Premolded Expansion Joint Filler for Concrete (Bituminous Type)               | 1924         | Active       |                   |   | Did not appear in 1935 edition, but was back in 1938 edition   |
| M 34            | White Traffic (Zone) Paint (Ready Mixed) for Brick and Bituminous Pavements | White Traffic (Zone) Paint (Ready-Mixed) for Bituminous Pavements             | 1927         | Discontinued | 1942              |   |  |
| M 35            | White Traffic (Zone) Paint (Ready Mixed) for Brick and Concrete Pavements   | White Traffic (Zone) Paint (Ready-Mixed) for Brick and Concrete Pavements     | 1927         | Discontinued | 1942              |   |  |
| M 36            | Base Metal for Corrugated Metal Sheets for Culverts                         | Corrugated Steel Pipe, Metallic-Coated, for Sewers and Drains                 | 1932         | Active       |                   |   | Published as dual-unit standard M 36M/M 36 from 1983-96 and metric standard M 36M from 1997-99                               |

| Standard Number | Original Title  | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)                                    | Other Notes  |
|-----------------|---|---|--------------|--------------|-------------------|---|--|
| M 36M/M 36      | Corrugated Steel Pipe, Metallic-Coated, for Sewers and Drains                                     | Corrugated Steel Pipe, Metallic-Coated, for Sewers and Drains                                     | 1983         | Converted    | 1997              | Reverted to metric standard M 36M                                 |  |
| M 36M           | Corrugated Steel Pipe, Metallic-Coated, for Sewers and Drains                                     | Corrugated Steel Pipe, Metallic-Coated, for Sewers and Drains                                     | 1996         | Converted    | 2000              | Reverted to U.S.-unit standard M 36                               |  |
| M 37            | Gravel for Portland Cement Concrete Pavements or Bases, Highway Bridges and Incidental Structures | Gravel for Portland Cement Concrete Pavements or Bases, Highway Bridges and Incidental Structures | 1929         | Discontinued | 1938              |   |  |
| M 38            | Asphalt Emulsion (Slow-Breaking Type)   | Asphalt Emulsion (Slow-Breaking Type)   | 1930         | Discontinued | 1935              |   |  |
| M 39            | High-Early-Strength Portland Cement   | High-Early-Strength Portland Cement   | 1930         | Discontinued | 1942              |   |  |
| M 40            | Paving Brick  | Paving Brick  | 1932         | Discontinued | 1971              |   | First published in 1931, but with no date of adoption. |
| M 41            | Reinforced-Concrete Culvert Pipe  | Reinforced Concrete Culvert Pipe  | 1935         | Discontinued | 1961              |   | First published in 1931, but with no date of adoption. |
| M 42            | Rail-Steel Concrete Reinforcement Bars  | Rail-Steel Deformed and Plain Bars for Concrete Reinforcement                                     | 1933         | Converted    | 1988              | Replaced by dual-unit standard M 42M/M 42                         |  |
| M 42M/M 42      | Rail-Steel Deformed and Plain Bars for Concrete Reinforcement                                     | Rail-Steel Deformed and Plain Bars for Concrete Reinforcement                                     | 1988         | Discontinued | 2003              | Combined with M 53M/M 53 to become M 322M/M 322                   |  |
| M 43            | Sizes of Aggregates   | Sizes of Aggregate for Road and Bridge Construction   | 1935         | Active       |                   |   |  |
| M 44            | Crushed Slag for Bituminous Concrete Base Course  | Crushed Slag for Bituminous Concrete Base Course  | 1935         | Discontinued | 1938              |   |  |
| M 45            | Mortar Sand   | Aggregate for Masonry Mortar  | 1924         | Active       |                   |   | Formerly M 6a  |
| M 46            | Premolded Asphalt Plank   | Asphalt Plank   | 1935         | Discontinued | 1993              | Lack of use   |  |
| M 47            | Emulsified Asphalt for Open Graded Coarse Aggregate Plant Mixtures                                | Emulsified Asphalt  | 1935         | Discontinued | 1950              | Moved specification to Standard Specification for Highway Bridges |  |
| M 48            | Emulsified Asphalt for Open Graded Coarse Aggregate Mixed-in-Place Construction                   | Emulsified Asphalt  | 1935         | Discontinued | 1950              | Moved specification to Standard Specification for Highway Bridges |  |
| M 49            | Emulsified Asphalt for Summer Use in Bituminous Concrete Mixtures for Repair Work                 | Emulsified Asphalt  | 1935         | Discontinued | 1950              | Moved specification to Standard Specification for Highway Bridges |  |

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|-----------------|---|---|--------------|--------------|-------------------|---|-------------|
| M 50            | Emulsified Asphalt for Winter Use in Bituminous Concrete Mixtures for Repair Work | Emulsified Asphalt  | 1935         | Discontinued | 1950              | Moved specification to Standard Specification for Highway Bridges |             |
| M 51            | Emulsified Asphalt for Penetration Macadam and Surface Treatment Work             | Emulsified Asphalt  | 1935         | Discontinued | 1950              | Moved specification to Standard Specification for Highway Bridges |             |
| M 52            | Tar for Use in Road Construction  | Tar for Use in Road Construction  | 1937         | Discontinued | 1988              | Lack of use   |             |
| M 53            | Axle-Steel Concrete Reinforcement Bars  | Axle-Steel Deformed and Plain Bars for Concrete Reinforcement   | 1937         | Converted    | 1989              | Replaced by dual-unit standard M 53M/M 53                         |             |
| M 53M/M 53      | Axle-Steel Deformed and Plain Bars for Concrete Reinforcement                     | Axle-Steel Deformed and Plain Bars for Concrete Reinforcement   | 1989         | Discontinued | 2003              | Combined with M 42M/M 42 to become M 322M/M 322                   |             |
| M 54            | Fabricated Bar or Rod Mats for Concrete Reinforcement                             | Fabricated Bar or Rod Mats for Concrete Reinforcement   | 1937         | Converted    | 1986              | Replaced by dual-unit standard M 54M/M 54                         |             |
| M 54M/M 54      | Fabricated Steel Bar or Rod Mats for Concrete Reinforcement                       | Welded Deformed Steel Bar Mats for Concrete Reinforcement   | 1986         | Active       |                   |   |             |
| M 55            | Welded Wire Fabric for Concrete Reinforcement                                     | Steel Welded Wire Fabric, Plain, for Concrete Reinforcement   | 1937         | Converted    | 1994              | Replaced by dual-unit standard M 55M/M 55                         |             |
| M 55M/M 55      | Steel Welded Wire Fabric, Plain, for Concrete Reinforcement                       | Steel Welded Wire Reinforcement, Plain, for Concrete  | 1994         | Active       |                   |   |             |
| M 56            | Materials for Stabilized Base Course  | Materials for Stabilized Base Course  | 1938         | Discontinued | 1950              | Moved specification to Standard Specification for Highway Bridges |             |
| M 57            | Materials for Use in Embankment Construction                                      | Materials for Embankments and Subgrades   | 1938         | Active       |                   |   |             |
| M 58            | Premolded Expansion Joint Filler for Concrete (Nonextruding and Resilient Types)  | Prefirmed Expansion Joint Fillers for Concrete (Cork, Self-expanding Cork, Sponge Rubber and Cork-rubber Types) | 1938         | Discontinued | 1955              |   |             |
| M 59            | Premolded Bituminous Fiber Expansion Joint Filler for Concrete                    | Prefirmed Expansion Joint Filler for Concrete (Bituminous Cellular Type)  | 1938         | Discontinued | 1955              |   |             |
| M 60            | Moderate Sulphate Resisting Portland Cement                                       | Moderate Sulphate Resisting Portland Cement   | 1938         | Discontinued | 1942              |   |             |

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|-----------------|--|--|--------------|--------------|-------------------|---|--|
| M 61            | Materials for Stabilized Surface Course  | Materials for Stabilized Surface Course  | 1938         | Discontinued | 1950              | Moved specification to Standard Specification for Highway Bridges |  |
| M 62            | Crushed Stone, Crushed Slag and Crushed Gravel for Dense-Graded Bituminous Road and Plant-Mix Surface Course | Crushed Stone, Crushed Slag and Crushed Gravel for Dense-Graded Bituminous Road and Plant-Mix Surface Course | 1938         | Discontinued | 1978              |   |  |
| M 63            | Crushed Gravel for Open-Graded Bituminous Road-Mix Surface Course  | Crushed Stone, Crushed Slag and Crushed Gravel for Open-Graded Bituminous Road-Mix Surface Course            | 1938         | Discontinued | 1978              |   |  |
| M 64            | Cast-Iron Culvert Pipe   | Ductile Iron Culvert Pipe  | 1938         | Discontinued | 1990              |   |  |
| M 65            | Vitrified Clay Culvert Pipe  | Vitrified Clay Culvert Pipe, Extra Strength, Standard Strength and Perforated                                | 1938         | Discontinued | 1997              | Lack of use   |  |
| M 66            | Drain Tile   | Drain Tile   | 1938         | Discontinued | 1961              |   | Did not appear in 1961 edition                                       |
| M 67            | Green Graphite Bridge Paint  | Foliage Green Bridge Paint   | 1938         | Discontinued | 1992              | Lack of use   | Discontinued in 1947; reinstated in 1950; discontinued again in 1992 |
| M 68            | Black Bridge Paint   | Black Paint for Bridges or Timber Structures   | 1938         | Discontinued | 1992              | Lack of use   | Discontinued in 1947; reinstated in 1950; discontinued again in 1992 |
| M 69            | Aluminum Paint (Paste-Mixing Vehicle)  | Aluminum Paint   | 1938         | Discontinued | 2006              | Obsolete  |  |
| M 70            | White and Tinted Ready-Mixed Paint (Lead and Zinc Base)  | White and Tinted Ready-Mix Oil Base Paint  | 1938         | Discontinued | 1992              | Lack of use   |  |
| M 71            | Red Lead (Dry and Paste-in-Oil) and Paint Made Therefrom   | Red Lead (Dry and Paste-in-Oil) and Paint Made Therefrom   | 1938         | Discontinued | 1971              |   |  |
| M 72            | Red Lead Ready-Mixed Paint   | Red Lead Ready-Mixed Paint   | 1938         | Discontinued | 1992              | Lack of use   |  |
| M 73            | Cotton Mats for Curing Concrete Pavements  | Cotton Mats for Curing Concrete Pavements  | 1938         | Discontinued | 1970              |   |  |
| M 74            | Subgrade Paper   | Subgrade Paper   | 1938         | Discontinued | 1972              | Lack of use   |  |
| M 75            | Crushed Stone and Crushed Slag for Base Course   | Crushed Stone and Crushed Slag for Base Course   | 1938         | Discontinued | 1978              |   |  |
| M 76            | Crushed Stone and Crushed Slag for Bituminous Concrete Base Course   | Crushed Stone and Crushed Slag for Bituminous Concrete Base Course   | 1938         | Discontinued | 1978              |   |  |

| Standard Number | Original Title   | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)                                    | Other Notes                    |
|-----------------|--|---|--------------|--------------|-------------------|---|--------------------------------|
| M 77            | Crushed Stone and Crushed Slag for Waterbound Surface Course                                 | Crushed Stone and Crushed Slag for Waterbound Surface Course          | 1938         | Discontinued | 1978              |   |                                |
| M 78            | Crushed Stone and Crushed Slag for Bituminous Macadam Surface Course                         | Crushed Stone and Crushed Slag for Bituminous Macadam Surface Course  | 1938         | Discontinued | 1978              |   |                                |
| M 79            | Crushed Stone and Crushed Slag for Bituminous Concrete Surface Course                        | Crushed Stone and Crushed Slag for Bituminous Concrete Surface Course | 1938         | Discontinued | 1978              |   |                                |
| M 80            | Coarse Aggregate for Portland Cement Concrete  | Coarse Aggregate for Hydraulic Cement Concrete                        | 1938         | Active       |                   |   |                                |
| M 81            | Cut-Back Asphalt, Rapid-Curing Type  | Cutback Asphalt (Rapid-Curing Type)                                   | 1938         | Active       |                   |   |                                |
| M 82            | Cut-Back Asphalt, Medium-Curing Type   | Cutback Asphalt (Medium-Curing Type)                                  | 1938         | Active       |                   |   |                                |
| M 83            | Liquefier  | Liquefier   | 1938         | Discontinued | 1971              |   |                                |
| M 84            | Granulated Slag for Bedding Course of Brick Pavements  | Granulated Slag for Bedding Course                                    | 1938         | Discontinued | 1971              |   |                                |
| M 85            | Portland Cement  | Portland Cement   | 1942         | Active       |                   |   |                                |
| M 86            | Concrete Sewer Pipe  | Concrete Sewer, Storm Drain, and Culvert Pipe                         | 1942         | Converted    | 2005              | Replaced with dual-unit standard M 86M/M 86                       |                                |
| M 86M/ M 86     | Concrete Sewer, Storm Drain, and Culvert Pipe  | Nonreinforced Concrete Sewer, Storm Drain, and Culvert Pipe           | 2004         | Active       |                   |   |                                |
| M 86M           | Concrete Sewer, Storm Drain, Culvert Pipe [Metric]   | Concrete Sewer, Storm Drain, and Culvert Pipe (Metric)                | 1981         | Converted    | 2005              | Replaced with dual-unit standard M 86M/M 86                       |                                |
| M 87            | Reinforced Concrete Sewer Pipe   | Reinforced Concrete Sewer Pipe  | 1942         | Discontinued | 1961              |   |                                |
| M 88            | Emulsified Asphalt (For the Surface Treatment of Roads)                                      | Emulsified Asphalt  | 1942         | Discontinued | 1950              | Moved specification to Standard Specification for Highway Bridges |                                |
| M 89            | Mixed Asphalt and Mineral Filler   | Mixed Asphalt and Mineral Filler                                      | 1942         | Discontinued | 1971              |   |                                |
| M 90            | Redwood Board Expansion Joint Filler for Concrete  | Redwood Board Expansion Joint Filler for Concrete                     | 1942         | Discontinued | 1970              |   |                                |
| M 91            | Sewer Brick (Made from Clay or Shale)  | Sewer and Manhole Brick (Made from Clay or Shale)                     | 1942         | Discontinued | 2011              | Replaced by ASTM C32  |                                |
| M 92            | Sieves for Testing Purposes, Wire Cloth Sieves, Round-Hole and Square-Hole Screens or Sieves | Wire-Cloth Sieves for Testing Purposes                                | 1942         | Discontinued | 2016              | Replaced by ASTM E11-15   | Did not appear in 1961 edition |



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|-----------------|--|---|--------------|--------------|-------------------|---|---|
| M 93            | Thermometers   | Thermometers  | 1942         | Discontinued | 1950              |   |   |
| M 94            | Steel for Bridges and Buildings                              | Steel for Bridges and Buildings   | 1939         | Discontinued | 1966              |   | Did not appear in 1950 or 1955 editions |
| M 95            | Structural Silicon Steel                                     | Structural Silicon Steel  | 1939         | Discontinued | 1966              |   | Did not appear in 1950 or 1955 editions |
| M 96            | Structural Nickel Steel                                      | Structural Nickel Steel   | 1939         | Discontinued | 1966              |   | Did not appear in 1950 or 1955 editions |
| M 97            | Structural Rivet Steel                                       | Structural Rivet Steep  | 1939         | Discontinued | 1970              | Incorporated into M 228                                 | Did not appear in 1950 or 1955 editions |
| M 98            | High-Strength Structural Rivet Steel                         | High-Strength Structural Rivet Steel                                    | 1941         | Discontinued | 1970              | Incorporated into M 228                                 | Did not appear in 1950 or 1955 editions |
| M 99            | Wrought Iron Plates  | Wrought Iron Plates   | 1939         | Discontinued | 1971              |   | Did not appear in 1950 or 1955 editions |
| M 100           | Rolled Wrought Iron Shapes and Bars                          | Rolled Wrought Iron Shapes and Bars                                     | 1939         | Discontinued | 1971              |   | Did not appear in 1950 or 1955 editions |
| M 101           | Welded Wrought-Iron Pipe                                     | Welded Wrought-Iron Pipe  | 1939         | Discontinued | 1971              |   |   |
| M 102           | Carbon-Steel Forgings for General Industrial Use             | Steel forgings, Carbon and Alloy, for General Industrial Use            | 1940         | Converted    | 1997              | Replaced with dual-unit standard M 102M/M 102           |   |
| M 102M/M 102    | Steel forgings, Carbon and Alloy, for General Industrial Use | Steel Forgings, Carbon, and Alloy, for General Industrial Use           | 1996         | Active       |                   |   |   |
| M 103           | Carbon-Steel Castings for Miscellaneous Industrial Uses      | Mild- to Medium-Strength Carbon-Steel Castings for General Applications | 1939         | Converted    | 1990              | Replaced with dual-unit standard M 103M/M 103           |   |
| M 103M/M 103    | Steel Castings, Carbon, for General Application              | Steel Castings, Carbon, for General Application                         | 1989         | Active       |                   |   |   |
| M 104           | Chromium Alloy-Steel Castings                                | Chromium Alloy-Steel Castings   | 1939         | Discontinued | 1950              |   |   |
| M 105           | Gray Iron Castings   | Gray Iron Castings  | 1941         | Active       |                   |   |   |
| M 106           | Malleable Iron Castings                                      | Malleable Iron Castings   | 1935         | Discontinued | 1976              | Being generally unavailable except as plumbing fixtures |   |

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|-----------------|--|--|--------------|--------------|-------------------|---|-------------|
| M 107           | Bronze Castings for Turntables and Movable Bridges and for Bearing and Expansion Plates of Fixed Bridges | Bronze Castings for Bridges and Turntables   | 1940         | Discontinued | 2011              | Replaced by ASTM B22                        |             |
| M 108           | Rolled Copper-Alloy Bearing and Expansion Plates for Bridge and Other Structural Use                     | Wrought Copper-Alloy Bearing and Expansion Plates and Sheets for Bridge and Other Structural Use | 1940         | Discontinued | 2011              | Replaced by ASTM B100                       |             |
| M 109           | Lake Copper Wire Bars, Cakes, Slabs, Billets, Ingots, and Ingot Bars                                     | Lake Copper Wire Bars, Cakes, Slabs, Billets, Ingots, and Ingot Bars                             | 1935         | Discontinued | 1950              |   |             |
| M 110           | Electrolytic Copper Wire Bars, Cakes, Slabs, Billets, Ingots, and Ingot Bars                             | Electrolytic Copper Wire Bars, Cakes, Slabs, Billets, Ingots, and Ingot Bars                     | 1935         | Discontinued | 1950              |   |             |
| M 111           | Zinc (Hot-Galvanized Coatings on Structural Steel Shapes, Plates and Bars, and Their Products            | Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products                                    | 1935         | Converted    | 1999              | Replaced by dual-unit standard M 111M/M 111 |             |
| M 111M/M 111    | Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products  | Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products                                    | 1999         | Active       |                   |   |             |
| M 112           | Pig Lead   | Pig Lead   | 1940         | Discontinued | 1978              |   |             |
| M 113           | Rolled Zinc  | Rolled Zinc  | 1939         | Discontinued | 1978              |   |             |
| M 114           | Building Brick (Made from Clay or Shale)   | Building Brick (Solid Masonry Units Made from Clay or Shale)                                     | 1941         | Discontinued | 2011              | Replaced by ASTM C62                        |             |
| M 115           | Asphalt for Dampproofing and Waterproofing   | Asphalt Used in Damp-Proofing and Waterproofing  | 1942         | Discontinued | 1993              | Lack of use                                 |             |
| M 116           | Primer for Use with Asphalt in Dampproofing and Waterproofing  | Asphalt Primer Used in Roofing, Damp-Proofing, and Waterproofing                                 | 1942         | Discontinued | 1993              | Lack of use                                 |             |
| M 117           | Woven Cotton Fabrics Saturated with Bituminous Substances for Use in Waterproofing                       | Bitumen-Saturated Cotton Fabrics Used in Roofing and Waterproofing                               | 1940         | Discontinued | 1993              | Lack of use                                 |             |
| M 118           | Coal-Tar Pitch for Roofing, Dampproofing, and Waterproofing  | Coal-Tar Bitumen Used in Roofing, Damp-Proofing, and Waterproofing                               | 1942         | Discontinued | 1997              | Lack of use                                 |             |
| M 119           | Fire-Refined Copper Other Than Lake  | Fire-Refined Copper Other Than Lake  | 1935         | Discontinued | 1950              |   |             |
| M 120           | Slab Zinc (Spelter)  | Zinc   | 1937         | Discontinued | 2011              | Replaced by ASTM B6                         |             |

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|-----------------|---|---|--------------|--------------|-------------------|---|--------------------------------|
| M 121           | Creosote for Priming Coat with Coal-Tar Pitch in Dampproofing and Waterproofing             | Creosote for Priming Used in Roofing, Dampproofing, and Waterproofing                       | 1942         | Discontinued | 1999              | Lack of use                                   |                                |
| M 122           | Basic Carbonate White Lead  | Basic Carbonate White Lead  | 1942         | Discontinued | 1971              |   |                                |
| M 123           | Basic Supfate White Lead  | Basic Supfate White Lead  | 1942         | Discontinued | 1971              |   |                                |
| M 124           | Zinc Oxide  | Zinc Oxide  | 1942         | Discontinued | 1971              |   |                                |
| M 125           | Raw Linseed Oil   | Raw Linseed Oil   | 1942         | Discontinued | 1971              |   |                                |
| M 126           | Boiled Linseed Oil  | Boiled Linseed Oil  | 1942         | Discontinued | 1971              |   |                                |
| M 127           | Spirits of Turpentine   | Spirits of Turpentine   | 1942         | Discontinued | 1971              |   |                                |
| M 128           | Petroleum Spirits (Mineral Spirits)   | Petroleum Spirits (Mineral Spirits)   | 1942         | Discontinued | 1971              |   |                                |
| M 129           | Mineral Iron Oxide  | Mineral Iron Oxide  | 1942         | Discontinued | 1971              |   |                                |
| M 130           | Pure Chrome Green   | Pure Chrome Green   | 1942         | Discontinued | 1971              |   |                                |
| M 131           | Prussian Blue   | Iron Blue   | 1942         | Discontinued | 1971              |   |                                |
| M 132           | Standard Definitions of Terms Relating to Specific Gravity                                  | Terms Relating to Density and Specific Gravity of Solids, Liquids, and Gases                | 1942         | Discontinued | 2001              | Replaced by ASTM E12                          | Did not appear in 1961 edition |
| M 133           | Timber Preservatives  | Preservatives and Pressure Treatment Processes for Timber                                   | 1942         | Active       |                   |   |                                |
| M 134           | Air-Entraining Portland Cement  | Air-Entraining Portland Cement  | 1946         | Discontinued | 1972              | Combined with M 85                            |                                |
| M 135           | Natural Cement  | Natural Cement  | 1946         | Discontinued | 1975              | Lack of use                                   |                                |
| M 136           | Corrugated Metal Pipe Underdrains   | Corrugated Metal Pipe Underdrains   | 1947         | Discontinued | 1969              | Incorporated into M 36                        |                                |
| M 137           | Minimum Requirements for the Deformations of Deformed Steel Bars for Concrete Reinforcement | Minimum Requirements for the Deformations of Deformed Steel Bars for Concrete Reinforcement | 1948         | Discontinued | 1971              |   |                                |
| M 138           | Copper Sheet, Strip, and Plate  | Copper Sheet, Strip, Plate, and Rolled Bar  | 1948         | Converted    | 2002              | Replaced with dual-unit standard M 138M/M 138 |                                |
| M 138M/M 138    | Copper Sheet, Strip Plate, and Rolled Bar   | Copper Sheet, Strip, Plate, and Rolled Bar  | 2002         | Discontinued | 2011              | Replaced with ASTM B152/B152M                 |                                |
| M 138M          | Copper Sheet, Strip, Plate, and Rolled Bar [Metric]   | Copper Sheet, Strip, Plate, and Rolled Bar [Metric]   | 1994         | Discontinued | 2002              | Replaced with dual-unit standard M 138M/M 138 |                                |
| M 139           | Waterproof Paper for Curing Concrete  | Waterproof Paper for Curing Concrete  | 1948         | Discontinued | 1969              | Incorporated into M 171                       |                                |
| M 140           | Emulsified Asphalt  | Emulsified Asphalt  | 1949         | Active       |                   |   |                                |

| Standard Number | Original Title  | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)                | Other Notes               |
|-----------------|---|---|--------------|--------------|-------------------|---|---------------------------|
| M 141           | Slow Curing Liquid Asphaltic Road Material  | Slow Curing Liquid Asphaltic Road Material  | 1949         | Discontinued | 1977              | Lack of use                                   |                           |
| M 142           | Zinc Chromate-Iron Oxide Ready-Mixed Paint  | Zinc Chromate-Iron Oxide Ready-Mixed Paint  | 1949         | Discontinued | 1971              |   |                           |
| M 143           | Sodium Chloride   | Sodium Chloride   | 1949         | Active       |                   |   |                           |
| M 144           | Calcium Chloride  | Calcium Chloride  | 1949         | Active       |                   |   |                           |
| M 145           | The Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes | Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes                                     | 1950         | Active       |                   |   |                           |
| M 146           | Terms Relating to Subgrade, Soil-Aggregate, and Fill Materials                            | Terms Relating to Subgrade, Soil-Aggregate, and Fill Materials  | 1950         | Active       |                   |   |                           |
| M 147           | Materials for Soil-Aggregate Subbase, Base, and Surface Courses                           | Materials for Aggregate and Soil-Aggregate Subbase, Base, and Surface Courses   | 1950         | Active       |                   |   |                           |
| M 148           | Nonbituminous Liquid Compounds for Curing Concrete  | Liquid Membrane-Forming Compounds for Curing Concrete   | 1949         | Discontinued | 2010              | Replaced by ASTM C309-03                      |                           |
| M 149           | Air-Entraining Additions for Use in the Manufacture of Air-Entraining Portland Cement     | Air-Entraining Additions for Use in the Manufacture of Air-Entraining Portland Cement                                     | 1954         | Discontinued | 1961              |   |                           |
| M 150           | Masonry Cement  | Masonry Cement  | 1954         | Discontinued | 1986              |   |                           |
| M 151           | Portland Blast-Furnace Slag Cement  | Portland Blast-Furnace Slag Cement  | 1953         | Discontinued | 1973              | Incorporated into M 240                       |                           |
| M 152           | Flow Table for Use in Tests of Hydraulic Cement   | Flow Table for Use in Tests of Hydraulic Cement   | 1953         | Converted    | 2003              | Replaced with dual-unit standard M 152M/M 152 | Not published in 1961 ed. |
| M 152M/M 152    | Flow Table for Use in Tests of Hydraulic Cement   | Flow Table for Use in Tests of Hydraulic Cement   | 2003         | Active       |                   |   |                           |
| M 153           | Prefomed Expansion Joint Fillers for Concrete (Nonextruding and Resilient Types)          | Prefomed Sponge Rubber, Cork, and Recycled Rubber Expansion Joint Fillers for Concrete Paving and Structural Construction | 1954         | Active       |                   |   |                           |
| M 154           | Air-Entraining Admixtures for Concrete  | Air-Entraining Admixtures for Concrete  | 1953         | Converted    | 2012              | Replaced with dual-unit standard M 154M/M 154 |                           |
| M 154M/M 154    | Air-Entraining Admixtures for Concrete  | Air-Entraining Admixtures for Concrete  | 2012         | Active       |                   |   |                           |

| Standard Number | Original Title   | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes   |
|-----------------|--|---|--------------|--------------|-------------------|---|---|
| M 155           | Granular Material to Control Pumping under Concrete Pavement   | Granular Material to Control Pumping under Concrete Pavement  | 1954         | Discontinued | 2008              | Lack of use                                 | Discontinued in 1988 Interim edition, reinstated in 1990 15th ed., discontinued again in 2008 |
| M 156           | Bituminous Mixing Plant Requirements   | Requirements for Mixing Plants for Hot-Mixed, Hot-Laid Bituminous Paving Mixtures                           | 1955         | Active       |                   |   |   |
| M 157           | Ready-Mixed Concrete   | Ready-Mixed Concrete  | 1957         | Active       |                   |   |   |
| M 158           | Bituminized-Fiber Drain and Sewer Pipe and Fittings  | Bituminized-Fiber Drain and Sewer Pipe and Fittings   | 1957         | Discontinued | 1971              |   |   |
| M 159           | Woven Burlap Fabrics Saturated with Bituminous Substances for Use in Waterproofing                               | Woven Burlap Fabrics Saturated with Bituminous Substances for Use in Waterproofing                          | 1957         | Discontinued | 1978              |   |   |
| M 160           | General Requirements for Delivery of Rolled Steel Plates, Shapes, Sheet Piling, and Bars for Structural Use      | General Requirements for Delivery of Rolled Steel Plates, Shapes, Sheet Piling, and Bars for Structural Use | 1957         | Converted    | 1986              | Replaced by dual-unit standard M 160M/M 160 | Listed as adopted in 1957 Interim, full spec not printed until 1961                           |
| M 160M/M 160    | General Requirements for Rolled Steel Plates, Shapes, Sheet Piling, and Bars for Structural Use                  | General Requirements for Steel Plates, Shapes, Sheet Piling, and Bars for Structural Use                    | 1986         | Discontinued | 2010              | Replaced by ASTM A6                         |   |
| M 161           | High Strength Low Alloy Structural Steel   | High-Strength Low-Alloy Structural Steel  | 1957         | Discontinued | 1985              | Lack of use                                 | Listed as adopted in 1957 Interim, full spec not printed until 1961                           |
| M 162           | Carbon Steel Blooms, Billets, and Slabs for Forgings   | Carbon Steel Blooms, Billets, and Slabs for Forgings  | 1957         | Discontinued | 1978              |   | Listed as adopted in 1957 Interim, full spec not printed until 1961                           |
| M 163           | Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application                | Corrosion-Resistant Iron-Chromium-Nickel and Nickel Based Alloy Castings for General Application            | 1957         | Converted    | 1986              | Replaced by dual-unit standard M 163M/M 163 | Listed as adopted in 1957 Interim, full spec not printed until 1961                           |
| M 163M/M 163    | Corrosion-Resistant Iron-Chromium, Iron-Chromium-Nickel, and Nickel Based Alloy Castings for General Application | Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant, for General Application                 | 1986         | Active       |                   |   |   |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes   |
|-----------------|--|--|--------------|--------------|-------------------|---|---|
| M 164           | Quenched and Tempered Steel Bolts and Studs with Suitable Nuts and Plain Hardened Washers      | High-Strength Bolts for Structural Steel Joints  | 1957         | Discontinued | 2010              | Replaced by ASTM A325                       | Listed as adopted in 1957 Interim, full spec not printed until 1961   |
| M 164M          | High-Strength Bolts for Structural Steel Joints [Metric]                                       | High-Strength Bolts for Structural Steel Joints [Metric]                                       | 1982         | Discontinued | 2010              | Replaced by ASTM A325M                      |   |
| M 165           | Structural Steel for Welding   | Structural Steel for Welding   | 1957         | Discontinued | 1971              |   | Listed as adopted in 1957 Interim, full spec not printed until 1961   |
| M 166           | Numbered Cotton Duck and Army Duck   | Numbered Cotton Duck and Army Duck   | 1957         | Discontinued | 1982              |   | Listed as adopted in 1957 Interim, full spec not printed until 1961   |
| M 167           | Structural Plate for Pipe, Pipe-Arches, and Arches   | Corrugated Steel Structural Plate, Zinc Coated, for Field Bolted Pipe, Pipe Arches, and Arches | 1957         | Converted    | 2004              | Replaced by dual-unit standard M 167M/M 167 | Published as dual-unit standard M 167M/M 167 between 1989 and 1995, and as metric standard M 167M between 1997 and 1999 |
| M 167M/M 167    | Corrugated Steel Structural Plate, Zinc Coated, for Field Bolted Pipe, Pipe Arches, and Arches | Corrugated Steel Structural Plate, Zinc-Coated, for Field-Bolted Pipe, Pipe-Arches, and Arches | 1989         | Active       |                   |   | Published as metric standard M 167M from 1997 to 1999, and as U.S. units standard M 167 from 2000 to 2003               |
| M 167M          | Corrugated Steel Structural Plate, Zinc-Coated, for Field-Bolted Pipe, Pipe-Arches, and Arches | Corrugated Steel Structural Plate, Zinc-Coated, for Field-Bolted Pipe, Pipe-Arches, and Arches | 1996         | Converted    | 2000              | Replaced by dual-unit standard M 167M/M 167 |   |
| M 168           | Structural Timber, Lumber, and Piling  | Wood Products  | 1957         | Active       |                   |   |   |
| M 169           | Cold-Finished Carbon Steel Bars and Shafting   | Steel Bars, Carbon and Alloy, Cold-Finished  | 1957         | Active       |                   |   | Listed as adopted in 1957 Interim, full spec not printed until 1961   |
| M 170           | Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe                                       | Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe                                       | 1960         | Active       |                   |   |   |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes |
|-----------------|--|--|--------------|--------------|-------------------|---|-------------|
| M 170M          | Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe [Metric]        | Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe [Metric]          | 1981         | Active       |                   |   |             |
| M 171           | White Polyethylene Sheeting (Film) for Curing Portlan Cement Concrete    | Sheet Materials for Curing Concrete  | 1958         | Discontinued | 2010              | Replaced by ASTM C171                       |             |
| M 172           | Pensky-Martens Closed Flash Tester                                       | Pensky-Martens Closed Flash Tester   | 1958         | Discontinued | 1982              |   |             |
| M 173           | Concrete Joint-Sealer, Hot-Poured Elastic Type                           | Concrete Joint-Sealer, Hot-Poured Elastic Type                             | 1960         | Discontinued | 2004              | Replaced by M 324                           |             |
| M 174           | Special Large Size Deformed Billet-Steel Bars for Concrete Reinforcement | Special Large Size Deformed Billet-Steel Bars for Concrete Reinforcement   | 1960         | Discontinued | 1969              | Incorporated into M 31                      |             |
| M 175           | Perforated Concrete Pipe for Underdrainage                               | Perforated Concrete Pipe   | 1960         | Converted    | 2005              | Replaced by dual-unit standard M 175M/M 175 |             |
| M 175M/M 175    | Perforated Concrete Pipe   | Perforated Concrete Pipe   | 2005         | Active       |                   |   |             |
| M 175M          | Perforated Concrete Pipe [Metric]  | Perforated Concrete Pipe [Metric]  | 1981         | Converted    | 2005              | Replaced by dual-unit standard M 175M/M 175 |             |
| M 176           | Porous Concrete Pipe   | Porous Concrete Pipe   | 1960         | Converted    | 2006              | Replaced by dual-unit standard M 176M/M 176 |             |
| M 176M/M 176    | Porous Concrete Pipe   | Porous Concrete Pipe   | 2006         | Active       |                   |   |             |
| M 176M          | Porous Concrete Pipe (Metric)  | Porous Concrete Pipe (Metric)  | 1981         | Converted    | 2006              | Replaced by dual-unit standard M 176M/M 176 |             |
| M 177           | Perforated Bituminized-Fiber Drainage Pipe and Fittings                  | Bituminized-Fiber Nonpressure Sewer, Drain, and Underdrainage Pipe Systems | 1960         | Discontinued | 1984              | Lack of use                                 |             |
| M 178           | Concrete Drain Tile  | Concrete Drain Tile  | 1960         | Converted    | 2005              | Replaced by dual-unit standard M 178M/M 178 |             |
| M 178M/M        | Concrete Drain Tile  | Concrete Drain Tile  | 2005         | Active       |                   |   |             |
| M 178M          | Concrete Drain Tile (Metric)   | Concrete Drain Tile [Metric]   | 1981         | Converted    | 2005              | Replaced by dual-unit standard M 178M/M 178 |             |
| M 179           | Clay Drain Tile  | Clay Drain Tile  | 1960         | Discontinued | 1997              | Lack of use                                 |             |

| Standard Number | Original Title  | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)                          | Other Notes |
|-----------------|---|--|--------------|--------------|-------------------|---|-------------|
| M 180           | Corrugated Sheet Steel Beams for Highway Guardrail                      | Corrugated Sheet Steel Beams for Highway Guardrail   | 1960         | Active       |                   |   |             |
| M 181           | Chain-Link Fence  | Chain-Link Fence   | 1960         | Active       |                   |   |             |
| M 182           | Burlap Cloth Made from Jute or Kenaf                                    | Burlap Cloth Made from Jute or Kenaf and Cotton Mats   | 1960         | Active       |                   |   |             |
| M 183           | Structural Steel  | Structural Steel   | 1960         | Converted    | 1986              | Replaced by dual-unit standard M 183M/M 183             |             |
| M 183M/M 183    | Structural Steel  | Structural Steel   | 1986         | Discontinued | 2000              | Replaced by ASTM A36/A36M                               |             |
| M 184           | High-Strength Billet Steel Bars for Concrete Reinforcement              | High-Strength Deformed Billet Steel Bars for Concrete Reinforcement with 75,000 psi Minimum Yield Strength | 1960         | Discontinued | 1971              |   |             |
| M 185           | Deformed Billet Steel Bars with 60,000 psi Minimum Yield Point          | Deformed Billet Steel Bars with 60,000 psi Minimum Yield Point   | 1960         | Discontinued | 1971              |   |             |
| M 186           | High-Strength Structural Alloy Rivet Steel                              | High-Strength Structural Alloy Rivet Steel   | 1960         | Discontinued | 1971              |   |             |
| M 187           | High-Strength Structural Steel  | High-Strength Structural Steel   | 1960         | Discontinued | 1981              | Based on ASTM A440, which was withdrawn by ASTM in 1979 |             |
| M 188           | High-Strength Low Alloy Structural Manganese Vanadium Steel             | High-Strength Low-Alloy Structural Manganese Vanadium Steel  | 1960         | Discontinued | 1985              | Lack of use   |             |
| M 189           | Perforated Asbestos Cement Pipe for Underdrainage                       | Asbestos-Cement Underdrain Pipe  | 1960         | Discontinued | 1984              | Lack of use   |             |
| M 190           | Bituminous Coated Riveted Corrugated Metal Culvert Pipe and Pipe Arches | Asphalt-Coated Corrugated Metal Culvert Pipe and Pipe Arches   | 1960         | Active       |                   |   |             |
| M 191           | Distillation Equipment  | Distillation Equipment   | 1960         | Discontinued | 2002              | Replaced by ASTM E133                                   |             |
| M 192           | Steel Castings for Highway Bridges                                      | Steel Castings for Highway Bridges   | 1960         | Converted    | 1986              | Replaced by dual-unit standard M 192M/M 192             |             |
| M 192M/M 192    | Steel Castings for Highway Bridges                                      | Steel Castings for Highway Bridges   | 1986         | Discontinued | 1997              | Lack of use   |             |
| M 193           | Cast Aluminum Railing Posts   | Cast Aluminum Alloy Railing Posts  | 1960         | Discontinued | 1997              | Lack of use   |             |
| M 194           | Chemical Admixtures for Concrete  | Chemical Admixtures for Concrete   | 1962         | Converted    | 1997              | Replaced by dual-unit standard M 194M/M 194             |             |



| Standard Number | Original Title   | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes  |
|-----------------|--|---|--------------|--------------|-------------------|---|--|
| M 194M/M 194    | Chemical Admixtures for Concrete   | Chemical Admixtures for Concrete  | 2005         | Active       |                   |   |  |
| M 195           | Lightweight Aggregates for Structural Concrete   | Lightweight Aggregates for Structural Concrete  | 1962         | Active       |                   |   |  |
| M 196           | Corrugated Aluminum Alloy Culvert Pipe   | Corrugated Aluminum Pipe for Sewers and Drains  | 1962         | Active       |                   |   | Published as dual-unit standard M 196M/M 196 from 1988-95 and as metric standard M 196M from 1997-99 |
| M 196M/M 196    | Corrugated Aluminum Pipe for Sewers and Drains   | Corrugated Aluminum Pipe for Sewers and Drains  | 1988         | Converted    | 1997              | Reverted to metric standard M 196M          |  |
| M 196M          | Corrugated Aluminum Pipe for Sewers and Drains   | Corrugated Aluminum Pipe for Sewers and Drains  | 1997         | Converted    | 2000              | Reverted to U.S.-unit standard M 196        |  |
| M 197           | Corrugated Aluminum Alloy Pipe Underdrains   | Aluminum Alloy Sheet for Corrugated Aluminum Pipe   | 1962         | Active       |                   |   | Published as dual-unit standard M 197M/M 197 from 1988-95 and as metric standard M 197M from 1997-99 |
| M 197M/M 197    | Aluminum Alloy Sheet for Corrugated Aluminum Pipe  | Aluminum Alloy Sheet for Corrugated Aluminum Pipe   | 1988         | Converted    | 1997              | Reverted to M 197M                          |  |
| M 197M          | Aluminum Alloy Sheet for Corrugated Aluminum Pipe  | Aluminum Alloy Sheet for Corrugated Aluminum Pipe   | 1997         | Converted    | 2000              | Reverted to M 197                           |  |
| M 198           | Joints for Circular Concrete Sewer and Culvert Pipe, Using Flexible, Watertight, Rubber-Type Gaskets | Joints for Concrete Pipe, Manholes, and Precast Box Sections Using Preformed Flexible Joint Sealants                      | 1962         | Discontinued | 2011              | Replaced by ASTM C990                       |  |
| M 199           | Precast Reinforced Concrete Manhole Risers and Tops  | Precast Reinforced Concrete Manhole Sections  | 1962         | Converted    | 2005              | Replaced by dual-unit standard M 199M/M 199 |  |
| M 199M/M 199    | Precast Reinforced Concrete Manhole Sections   | Precast Reinforced Concrete Manhole Sections  | 2005         | Active       |                   |   |  |
| M 199M          | Precast Reinforced Concrete Manhole Sections [Metric]  | Precast Reinforced Concrete Manhole Sections [Metric]   | 1981         | Converted    | 2005              | Replaced by dual-unit standard M 199M/M 199 |  |
| M 200           | Epoxy Resin Systems  | Epoxy Protective Coatings   | 1963         | Discontinued | 2013              | Lack of use                                 |  |
| M 201           | Moist Cabinets and Rooms Used in the Testing of Hydraulic Cements                                    | Mixing Rooms, Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the Testing of Hydraulic Cements and Concretes | 1963         | Active       |                   |   |  |

| Standard Number | Original Title  | Current/Final Title  | Year Adopted | Status    | Year Discontinued | Reason Discontinued (If Known)              | Other Notes |
|-----------------|---|--|--------------|-----------|-------------------|---|-------------|
| M 202           | Sheet Steel Piling  | Steel Sheet Piling   | 1963         | Converted | 1990              | Replaced by dual-unit standard M 202M/M 202 |             |
| M 202M/M        | Steel Sheet Piling  | Steel Sheet Piling   | 1990         | Active    |                   |   |             |
| M 203           | Uncoated Seven-Wire Stress-Relieved Strand for Prestressed Concrete           | Steel Strand, Uncoated Seven-Wire for Concrete Reinforcement                 | 1963         | Converted | 1995              | Replaced by dual-unit standard M 203M/M 203 |             |
| M 203M/M 203    | Steel Strand, Uncoated Seven-Wire for Prestressed Concrete                    | Steel Strand, Uncoated Seven-Wire for Concrete Reinforcement                 | 1994         | Active    |                   |   |             |
| M 204           | Uncoated Stress-Relieved Wire for Prestressed Concrete                        | Uncoated Stress-Relieved Steel Wire for Prestressed Concrete                 | 1963         | Converted | 1995              | Replaced by dual-unit standard M 204M/M 204 |             |
| M 204M/M 204    | Uncoated Stress-Relieved Steel Wire for Prestressed Concrete                  | Uncoated Stress-Relieved Steel Wire for Prestressed Concrete                 | 1994         | Active    |                   |   |             |
| M 205           | Single-Use Molds for Forming 6- by 12-in. Concrete Compression Test Cylinders | Molds for Forming Concrete Test Cylinders Vertically                         | 1963         | Converted | 2005              | Replaced by dual-unit standard M 205M/M 205 |             |
| M 205M/M 205    | Molds for Forming Concrete Test Cylinders Vertically                          | Molds for Forming Concrete Test Cylinders Vertically                         | 2005         | Active    |                   |   |             |
| M 206           | Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe                 | Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe                | 1963         | Converted | 2006              | Replaced by dual-unit standard M 206M/M 206 |             |
| M 206M/M 206    | Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe                 | Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe                | 2006         | Active    |                   |   |             |
| M 206M          | Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe (Metric)        | Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe (Metric)       | 1981         | Converted | 2006              | Replaced by dual-unit standard M 206M/M 206 |             |
| M 207           | Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe           | Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe          | 1963         | Converted | 2006              | Replaced by dual-unit standard M 207M/M 207 |             |
| M 207M/M 207    | Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe           | Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe          | 2006         | Active    |                   |   |             |
| M 207M          | Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe (Metric)  | Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe (Metric) | 1981         | Converted | 2006              | Replaced by dual-unit standard M 207M/M 207 |             |
| M 208           | Cationic Emulsified Asphalt Rapid Setting Type                                | Cationic Emulsified Asphalt  | 1963         | Active    |                   |   |             |

| Standard Number | Original Title  | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes  |
|-----------------|---|---|--------------|--------------|-------------------|---|--|
| M 209           | Resistance Spot Welded Corrugated Metal Culvert Pipe  | Resistance Spot Welded Corrugated Metal Culvert Pipe  | 1963         | Discontinued | 1971              |   |  |
| M 210           | Apparatus for Use in Measurement of Volume Change of Cement Paste, Mortar, and Concrete   | Use of Apparatus for the Determination of Length Change of Hardened Cement Paste, Mortar, and Concrete                          | 1965         | Converted    | 2013              | Replaced by dual-unit standard M 210M/M 210 |  |
| M 210M/M 210    | Use of Apparatus for the Determination of Length Change of Hardened Cement Paste, Mortar, and Concrete                          | Use of Apparatus for the Determination of Length Change of Hardened Cement Paste, Mortar, and Concrete                          | 2013         | Renumbered   | 2016              | Revised and renumbered as R 70              |  |
| M 211           | Helically Corrugated Aluminum Alloy Culvert Pipe  | Helically Corrugated Aluminum Alloy Culvert Pipe  | 1965         | Discontinued | 1974              |   |  |
| M 212           | Black Paint for Timber Structures   | Black Paint for Timber Structures   | 1965         | Discontinued | 1971              |   |  |
| M 213           | Preformed Expansion Joint Fillers for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types) | Preformed Expansion Joint Fillers for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types) | 1965         | Active       |                   |   |  |
| M 214           | Tar for Absorptive Treatment  | Tar for Absorptive Treatment  | 1965         | Discontinued | 1978              |   |  |
| M 215           | Very High Strength Reinforced Bars for Prestressed Concrete   | High Strength Alloy Steel Reinforcement Bars for Prestressed Concrete   | 1965         | Discontinued | 1978              |   |  |
| M 216           | Lime  | Quicklime and Hydrated Lime for Soil Stabilization  | 1966         | Active       |                   |   |  |
| M 217           | Asbestos Cement Pipe for Culverts and Storm Drains  | Asbestos Cement Pipe for Culverts and Storm Drains  | 1967         | Discontinued | 1984              | Lack of use                                 |  |
| M 218           | Zinc-Coated (Galvanized) Iron or Steel Sheets for Culverts and Underdrains  | Steel Sheet, Zinc-Coated (Galvanized), for Corrugated Steel Pipe  | 1967         | Active       |                   |   |  |
| M 219           | Aluminum Alloy Structural Plate for Pipe, Pipe-Arches, and Arches   | Corrugated Aluminum Alloy Structural Plate for Field-Bolted Pipe, Pipe-Arches, and Arches                                       | 1966         | Active       |                   |   | Published as dual unit standard M 219M/M 219 from 1988-95 and as metric standard M 219M from 1997-98 |
| M 219M/M 219    | Corrugated Aluminum Alloy Structural Plate for Field-Bolted Pipe, Pipe-Arches, and Arches                                       | Corrugated Aluminum Alloy Structural Plate for Field-Bolted Pipe, Pipe-Arches, and Arches                                       | 1988         | Converted    | 1997              | Reverted to metric standard M 219M          |  |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes |
|-----------------|--|--|--------------|--------------|-------------------|---|-------------|
| M 219M          | Corrugated Aluminum Alloy Structural Plate for Field-Bolted Pipe, Pipe-Arches, and Arches                  | Corrugated Aluminum Alloy Structural Plate for Field-Bolted Pipe, Pipe-Arches, and Arches                  | 1997         | Converted    | 2000              | Reverted to U.S.-unit standard M 219        |             |
| M 220           | Preformed Elastomeric Compression Joint Seals for Concrete   | Preformed Polychloroprene Elastomeric Joint Seals for Concrete Pavements                                   | 1967         | Discontinued | 2013              | Replaced by ASTM D2628                      |             |
| M 221           | Welded Deformed Steel Wire Fabric for Concrete Reinforcement   | Steel Welded Wire Fabric, Deformed for Concrete Reinforcement  | 1968         | Converted    | 1995              | Replaced by dual-unit standard M 221M/M 221 |             |
| M 221M/M 221    | Steel Welded Wire Fabric, Deformed for Concrete Reinforcement  | Steel Welded Wire Reinforcement, Deformed, for Concrete  | 1993         | Active       |                   |   |             |
| M 222           | High-Strength Low-Alloy Structural Steel with 50,000 psi Minimum Yield Point to 4 in. Thick                | High-Strength Low-Alloy Structural Steel with 50,000 psi Minimum Yield Point to 4-in. Thick                | 1968         | Converted    | 1987              | Replaced by dual-unit standard M 222M/M 222 |             |
| M 222M/M 222    | High-Strength Low-Alloy Structural Steel with 50 ksi [345 Mpa] Minimum-Yield Point to 4-in. [100 mm] Thick | High-Strength Low-Alloy Structural Steel with 345 MPa [50 ksi] Minimum-Yield Point to 100 mm [4 in.] Thick | 1993         | Discontinued | 2000              | Replaced by ASTM A588                       |             |
| M 223           | High-Strength Low-Alloy Columbium-Vanadium Steels of Structural Quality                                    | High-Strength Low-Alloy Columbium-Vanadium Steels of Structural Quality                                    | 1968         | Converted    | 1987              | Replaced by dual-unit standard M 223M/M 223 |             |
| M 223M/M 223    | High-Strength Low-Alloy Columbium-Vanadium Steels of Structural Quality                                    | High-Strength Low-Alloy Columbium-Vanadium Steels of Structural Quality                                    | 1987         | Discontinued | 2000              | Replaced by ASTM A572/A572M                 |             |
| M 224           | Use of Protective Coatings for Portland Cement Concrete  | Use of Protective Sealers for Portland Cement Concrete   | 1968         | Active       |                   |   |             |
| M 225           | Deformed Steel Wire for Concrete Reinforcement   | Steel Wire, Deformed for Concrete Reinforcement  | 1968         | Converted    | 1995              | Replaced by dual-unit standard M 225M/M 225 |             |
| M 225M/M 225    | Steel Wire, Deformed for Concrete Reinforcement  | Steel Wire, Deformed, for Concrete Reinforcement   | 1994         | Active       |                   |   |             |
| M 226           | Viscosity Graded Asphalt Cement  | Viscosity-Graded Asphalt Cement  | 1970         | Active       |                   |   |             |

| Standard Number | Original Title  | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)                | Other Notes   |
|-----------------|---|--|--------------|--------------|-------------------|---|---|
| M 227           | Carbon Steel Bars Subject to Mechanical Property Requirements         | Merchant Quality Hot-Rolled Carbon Steel Bars Subject to Mechanical Property Requirements          | 1970         | Converted    | 1990              | Replaced by dual-unit standard M 227M/M 227   | Listed in 1970 Interim Table of Contents but no standard shown; discontinued in 1978 but reissued in 1980 |
| M 227M/M 227    | Steel Bars, Carbon, Merchant Quality, Mechanical Properties           | Steel Bars, Carbon, Merchant Quality, Mechanical Properties  | 1990         | Active       |                   |   |   |
| M 228           | Steel Structural Rivets   | Steel Structural Rivets  | 1970         | Discontinued | 1985              | Lack of use                                   | Listed in 1970 Interim Table of Contents but no standard shown  |
| M 229           | Basic Lead Silico Chromate, Ready-Mixed Primer                        | Basic Lead Silico-Chromate, Ready-Mixed Primer   | 1970         | Discontinued | 2003              |   |   |
| M 230           | Extruded Insulation Board (Polystyrene)                               | Expanded and Extruded Foam Board (Polystyrene)   | 1970         | Active       |                   |   |   |
| M 231           | Weights and Balances Used in the Testing of Highway Materials         | Weighing Devices Used in the Testing of Materials  | 1970         | Active       |                   |   |   |
| M 232           | Zinc Coating (Hot Dip) on Iron and Steel Hardware                     | Zinc Coating (Hot Dip) on Iron and Steel Hardware  | 1972         | Converted    | 1998              | Replaced by dual-unit standard M 232M/M 232   |   |
| M 232M/M 232    | Zinc Coating (Hot-Dip) on Iron and Steel Hardware                     | Zinc Coating (Hot-Dip) on Iron and Steel Hardware  | 1998         | Active       |                   |   |   |
| M 233           | Boiled Linseed Oil Mixture for Treatment of Portland Cement Concrete  | Boiled Linseed Oil Mixture for Treatment of Portland Cement Concrete                               | 1972         | Active       |                   |   |   |
| M 234           | Epoxy Adhesives for Highway Construction                              | Epoxy Adhesives for Highway Construction   | 1972         | Discontinued | 1986              |   |   |
| M 235           | Epoxy Resin Adhesive for Bonding Fresh to Hardened Concrete           | Epoxy Resin Adhesives  | 1972         | Converted    | 2003              | Replaced by dual-unit standard M 235M/M 235   |   |
| M 235M/M        | Epoxy Resin Adhesives   | Epoxy Resin Adhesives  | 2003         | Active       |                   |   |   |
| M 236           | Epoxy Resin Adhesive for Bonding Hardened to Hardened Concrete        | Epoxy Resin Adhesive for Bonding Hardened to Hardened Concrete                                     | 1972         | Discontinued | 1973              | Combined with M 235; now part of M 235M/M 235 |   |
| M 237           | Epoxy Resin Adhesive for Bonding Traffic Markers to hardened Concrete | Epoxy Resin Adhesives for Bonding Traffic Markers to Hardened Portland Cement and Asphalt Concrete | 1973         | Active       |                   |   |   |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes                       |
|-----------------|--|--|--------------|--------------|-------------------|---|-----------------------------------|
| M 238           | Asphalt for Undersealing Portland Cement Concrete Pavements                                  | Asphalt for Undersealing Portland Cement Concrete Pavements                                  | 1973         | Discontinued | 1999              | Lack of use                                 | Removed in 1990; reissued in 1993 |
| M 239           | Asphalt for Use in Waterproof Membrane Construction  | Asphalt Used in Canal, Ditch, and Pond Lining  | 1973         | Discontinued | 1993              | Lack of use                                 |                                   |
| M 240           | Blended Hydraulic Cements  | Blended Hydraulic Cement   | 1973         | Converted    | 2013              | Replaced by dual-unit standard M 240M/M 240 |                                   |
| M 240M/M        | Blended Hydraulic Cement   | Blended Hydraulic Cement   | 2013         | Active       |                   |   |                                   |
| M 241           | Concrete Made by Volumetric Batching and Continuous Mixing                                   | Concrete Made by Volumetric Batching and Continuous Mixing                                   | 1973         | Converted    | 2005              | Replaced by dual-unit standard M 241M/M 241 |                                   |
| M 241M/M 241    | Concrete Made by Volumetric Batching and Continuous Mixing                                   | Concrete Made by Volumetric Batching and Continuous Mixing                                   | 2005         | Active       |                   |   |                                   |
| M 242           | Reinforced Concrete D-Load Culvert, Storm Drain, and Sewer Pipe                              | Reinforced Concrete D-Load Culvert, Storm Drain, and Sewer Pipe                              | 1973         | Converted    | 2005              | Replaced by dual-unit standard M 242M/M 242 |                                   |
| M 242M/M 242    | Reinforced Concrete D-Load Culvert, Storm Drain, and Sewer Pipe                              | Reinforced Concrete D-Load Culvert, Storm Drain, and Sewer Pipe                              | 2005         | Active       |                   |   |                                   |
| M 242M          | Reinforced Concrete D-Load Culvert, Storm Drain, and Sewer Pipe [Metric]                     | Reinforced Concrete D-Load Culvert, Storm Drain, and Sewer Pipe [Metric]                     | 1982         | Converted    | 2005              | Replaced by dual-unit standard M 242M/M 242 |                                   |
| M 243           | Field Applied Coating of Corrugated Metal Structural Plate for Pipe, Pipe-Arches, and Arches | Field-Applied Coating of Corrugated Metal Structural Plate for Pipe, Pipe-Arches, and Arches | 1973         | Active       |                   |   |                                   |
| M 244           | High-Yield-Strength, Quenched and Tempered Alloy Steel Plate, Suitable for Welding           | High-Yield-Strength, Quenched and Tempered Alloy Steel Plate, Suitable for Welding           | 1974         | Converted    | 1987              | Replaced by dual-unit standard M 244M/M 244 |                                   |
| M 244M/M 244    | High-Yield-Strength, Quenched and Tempered Alloy Steel Plate, Suitable for Welding           | High-Yield-Strength, Quenched and Tempered Alloy Steel Plate, Suitable for Welding           | 1987         | Discontinued | 2000              | Replaced by ASTM A514/A514M                 |                                   |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)   | Other Notes  |
|-----------------|--|--|--------------|--------------|-------------------|--|--|
| M 245           | Precoated, Galvanized Steel Culverts and Underdrains                             | Corrugated Steel Pipe, Polymer-Precoated, for Sewers and Drains                  | 1974         | Active       |                   |  | Published as dual-unit standard M 245/M 245M from 1985-91 and as metric standard M 245M from 1997-98 |
| M 245M/M 245    | Corrugated Steel Pipe, Polymer Precoated, for Sewers and Drains                  | Corrugated Steel Pipe, Polymer Precoated, for Sewers and Drains                  | 1986         | Converted    | 1997              | Reverted to metric standard M 245M   |  |
| M 245M          | Corrugated Steel Pipe, Polymer Precoated, for Sewers and Drains                  | Corrugated Steel Pipe, Polymer Precoated, for Sewers and Drains                  | 1997         | Converted    | 2000              | Reverted to U.S.-unit standard M 245   |  |
| M 246           | Precoated, Galvanized Steel Sheets for Culverts and Underdrains                  | Steel Sheet, Metallic-Coated and Polymer-Precoated, for Corrugated Steel Pipe    | 1974         | Active       |                   |  | Published as dual unit standard M 246/M 246M from 1985-95 and as metric standard M 246M from 1997-98 |
| M 246M/M 246    | Steel Sheet, Metallic-Corrugated and Polymer Precoated for Corrugated Steel Pipe | Steel Sheet, Metallic-Corrugated and Polymer Precoated for Corrugated Steel Pipe | 1986         | Converted    | 1997              | Reverted to metric standard M 246M   |  |
| M 246M          | Steel Sheet, Metallic-Coated and Polymer Precoated, for Corrugated Steel Pipe    | Steel Sheet, Metallic-Coated and Polymer Precoated, for Corrugated Steel Pipe    | 1997         | Converted    | 2000              | Reverted to U.S.-unit standard M 246   |  |
| M 247           | Glass Beads Used in Traffic Paint  | Glass Beads Used in Pavement Markings  | 1974         | Active       |                   |  |  |
| M 248           | Ready-Mixed White and Yellow Traffic Paints                                      | Ready-Mixed White and Yellow Traffic Paints                                      | 1974         | Discontinued | 2017              | Due to material's obsolescence and regulatory concerns; MP 24 is a current alternative but not a direct substitute |  |
| M 249           | White and Yellow Thermoplastic Traffic Line                                      | White and Yellow Reflective Thermoplastic Striping Material (Solid Form)         | 1974         | Active       |                   |  |  |
| M 250           | White and Yellow Reflective Thermo-Applied Pavement Striping Granules            | White and Yellow Reflective Striping Material (Flame-Spray Powder)               | 1974         | Discontinued | 1981              |  |  |
| M 251           | Laminated Elastomeric Bridge Bearings  | Plain and Laminated Elastomeric Bridge Bearings                                  | 1974         | Active       |                   |  |  |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes |
|-----------------|--|--|--------------|--------------|-------------------|---|-------------|
| M 252           | Plastic and Polyethylene Corrugated Drainage Pipe  | Corrugated Polyethylene Drainage Pipe  | 1975         | Active       |                   |   |             |
| M 253           | Quenched and Tempered Alloy Steel Bolts for Structural Steel Joints                      | Structural Bolts, Alloy Steel, Heat-Treated, 150 ksi Minimum Tensile Strength            | 1975         | Discontinued | 2010              | Replaced by ASTM A490                       |             |
| M 253M          | High-Strength Steel Bolts, Classes 10.9 and 10.9.3, for Structural Steel Joints [Metric] | High-Strength Steel Bolts, Classes 10.9 and 10.9.3, for Structural Steel Joints [Metric] | 1984         | Discontinued | 2010              | Replaced by ASTM A490M                      |             |
| M 254           | Coated Dowel Bars  | Corrosion-Resistant Coated Dowel Bars  | 1975         | Active       |                   |   |             |
| M 255           | Special Quality Hot-Rolled Carbon Steel Bars Subject to Mechanical Property Requirements | Special Quality Hot-Rolled Carbon Steel Bars Subject to Mechanical Property Requirements | 1976         | Converted    | 1990              | Replaced by dual-unit standard M 255M/M 255 |             |
| M 255M/M 255    | Steel Bars, Carbon, Hot-Wrought, Special Quality, Mechanical Properties                  | Steel Bars, Carbon, Hot-Wrought, Special Quality, Mechanical Properties                  | 1990         | Active       |                   |   |             |
| M 256           | Welded Steel Plain Bar or Rod Mats for Concrete Reinforcement                            | Welded Steel Plain Bar or Rod Mats for Concrete Reinforcement                            | 1976         | Discontinued | 1978              |   |             |
| M 257           | Low-Alloy Steel Deformed Bars for Concrete Reinforcement                                 | Low-Alloy Steel Deformed Bars for Concrete Reinforcement                                 | 1976         | Discontinued | 1978              |   |             |
| M 258           | Waterline Pipe   | Waterline Pipe   | 1976         | Discontinued | 1987              | Lack of use                                 |             |
| M 259           | Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers          | Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers          | 1976         | Active       |                   |   |             |
| M 259M          | Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers (Metric) | Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers [Metric] | 1980         | Active       |                   |   |             |
| M 260           | Ready-Mixed Aluminum Paint   | Ready-Mixed Aluminum Paint   | 1976         | Discontinued | 1992              | Lack of use                                 |             |
| M 261           | Standard Tire for Pavement Skid Resistance Tests   | Rib-Tread Standard Tire for Special-Purpose Pavement Frictional-Property Tests           | 1976         | Active       |                   |   |             |
| M 262           | Concrete Pipe and Related Products   | Concrete Pipe and Related Products   | 1977         | Active       |                   |   |             |
| M 263           | Cast Iron Soil Pipe and Fittings   | Cast Iron Soil Pipe and Fittings   | 1977         | Discontinued | 1982              |   |             |



| Standard Number | Original Title  | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)                    | Other Notes |
|-----------------|---|--|--------------|--------------|-------------------|---|-------------|
| M 264           | Acrylonitrile-Butadiene-Styrene (ABS) Composite Sewer Piping  | Acrylonitrile-Butadiene-Styrene (ABS) and Poly(Vinyl Chloride) (PVC) Composite Sewer Piping  | 1977         | Discontinued | 2011              | Replaced by ASTM D2680                            |             |
| M 265           | Acrylonitrile-Butadiene-Styrene (ABS) Plastic Drain, Waste, and Vent Pipe and Fittings  | Acrylonitrile-Butadiene-Styrene (ABS) Plastic Drain, Waste, and Vent Pipe and Fittings   | 1977         | Discontinued | 1987              | Lack of use                                       |             |
| M 266           | Asbestos Cement Nonpressure Sewer Pipe  | Asbestos Cement Nonpressure Sewer Pipe   | 1977         | Discontinued | 1984              | Lack of use                                       |             |
| M 267           | Sanitary Sewer Pipe   | Sanitary Sewer Pipe  | 1977         | Discontinued | 1987              | Lack of use                                       |             |
| M 268           | Sheet Reflective Materials for Traffic Control Devices  | Flat and Vertical Retroreflective Sheeting for Traffic Control Applications  | 1977         | Active       |                   |   |             |
| M 269           | Turnbuckles and Shackles  | Turnbuckles and Shackles   | 1977         | Active       |                   |   |             |
| M 270           | Structural Steel for Bridges  | Structural Steel for Bridges   | 1977         | Converted    | 1993              | Replaced by dual-unit standard M 270M/M 270       |             |
| M 270M/M 270    | Structural Steel for Bridges  | Structural Steel for Bridges   | 1993         | Active       |                   |   |             |
| M 271           | The Evaluation of Blast Cleaned Steel Surfaces  | The Evaluation of Blast-Cleaned Steel Surfaces   | 1977         | Discontinued | 2007              | Authors decided to simply use SSPC specifications |             |
| M 272           | Electrical Conduit  | Electrical Conduit   | 1978         | Discontinued | 1987              | Lack of use                                       |             |
| M 273           | Precast Reinforced Box Sections for Culverts, Storm Drains, and Sewers with Less Than 2 ft (0.6 m) of Cover Subjected to Highway Loadings   | Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers with Less Than 2 ft of Cover Subjected to Highway Loadings           | 1979         | Active       |                   |   |             |
| M 273M          | Precast Reinforced Box Sections for Culverts, Storm Drains, and Sewers with Less Than 0.6 m of Cover Subjected to Highway Loadings (Metric) | Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers with Less Than 0.6 m of Cover Subjected to Highway Loadings [Metric] | 1980         | Active       |                   |   |             |
| M 274           | Steel Sheet, Aluminum-Coated (Aluminized Type II) by the Hot-Dip Process for Sewer and Drainage Pipe  | Steel Sheet, Aluminum-Coated (Type 2), for Corrugated Steel Pipe   | 1979         | Active       |                   |   |             |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes |
|-----------------|--|--|--------------|--------------|-------------------|---|-------------|
| M 275           | Uncoated High-Strength Steel Bar for Prestressing Concrete   | Uncoated High-Strength Steel Bar for Prestressing Concrete                                 | 1979         | Converted    | 1995              | Replaced by dual-unit standard M 275M/M 275 |             |
| M 275M/M 275    | Uncoated High-Strength Steel Bar for Prestressing Concrete   | Uncoated High-Strength Steel Bars for Prestressing Concrete                                | 1994         | Active       |                   |   |             |
| M 276           | Mechanically Deposited Coatings of Cadmium and Zinc on Ferrous Materials                                 | Mechanically Deposited Coatings of Cadmium and Zinc on Ferrous Materials                   | 1979         | Discontinued | 1984              | Lack of use                                 |             |
| M 277           | Wire Ropes and Sockets for Movable Bridges   | Wire Rope and Sockets for Movable Bridges  | 1980         | Active       |                   |   |             |
| M 278           | Class PS 50 Polyvinyl Chloride (PVC) Piping Systems for Subsurface Drainage of Transportation Facilities | Class PS46 Poly(Vinyl Chloride) (PVC) Pipe   | 1980         | Active       |                   |   |             |
| M 279           | Zinc-Coated (Galvanized) Iron or Steel Farm-Field and Railroad Right-of-Way Wire Fencing                 | Metallic-Coated, Steel Woven Wire Fence Fabric   | 1980         | Active       |                   |   |             |
| M 280           | Zinc-Coated (Galvanized) Steel Barbed Wire   | Metallic-Coated (Carbon) Steel Barbed Wire   | 1980         | Active       |                   |   |             |
| M 281           | Steel Fence Posts and Assemblies, Hot-Rolled, for Field and Line-Type Fencing                            | Steel Fence Posts and Assemblies, Hot-Wrought  | 1980         | Active       |                   |   |             |
| M 282           | Joint Sealants, Hot-Poured, Elastomeric-Type, for Portland Cement Concrete Pavements                     | Joint Sealants, Hot-Poured, Elastomeric-Type, for Portland Cement Concrete Pavements       | 1980         | Discontinued | 2013              | Replaced by ASTM D3406                      |             |
| M 283           | Coarse Aggregate for Highway and Airport Construction  | Coarse Aggregate for Highway and Airport Construction                                      | 1981         | Discontinued | 1991              | Lack of use                                 |             |
| M 284           | Epoxy Coated Reinforcing Bars  | Epoxy Coated Reinforcing Bars  | 1981         | Converted    | 1987              | Replaced by dual-unit standard M 284M/M 284 |             |
| M 284M/M 284    | Epoxy Coated Reinforcing Bars  | Epoxy-Coated Reinforcing Bars: Materials and Coating Requirements                          | 1987         | Discontinued | 2012              | Replaced by ASTM A775/A775M                 |             |
| M 285           | Corrosion-Resistant Iron-Chromium-Nickel and Nickel-Base Alloy Castings for Severe Service               | Corrosion-Resistant Iron-Chromium-Nickel and Nickel-Base Alloy Castings for Severe Service | 1981         | Converted    | 1986              | Replaced by dual-unit standard M 285M/M 285 |             |

| Standard Number | Original Title  | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes |
|-----------------|---|--|--------------|--------------|-------------------|---|-------------|
| M 285M/M 285    | Castings, Iron-Chromium-Nickel, Nickel-Base, Corrosion Resistant, for Severe Service                    | Castings, Iron-Chromium-Nickel, Corrosion Resistant, for Severe Service                      | 1986         | Active       |                   |   |             |
| M 286           | Smooth-Tread Standard Tire for Special-Purpose Pavement Frictional Property Tests                       | Smooth-Tread Standard Tire for Special-Purpose Pavement Frictional-Property Tests            | 1981         | Active       |                   |   |             |
| M 287           | Geotextiles Used for Erosion Control  | Geotextiles Used for Erosion Control   | 1981         | Discontinued | 1982              |   |             |
| M 288           | Geotextiles Used for Subsurface Draining Purposes   | Geosynthetic Specification for Highway Applications  | 1981         | Active       |                   |   |             |
| M 289           | Aluminum-Zinc Alloy Coated Sheet Steel for Corrugated Steel Pipe  | Aluminum-Zinc Alloy Coated Sheet Steel for Corrugated Steel Pipe                             | 1982         | Active       |                   |   |             |
| M 290           | Acrylic, Prismatic Reflectors and Embossed Aluminum Frames for Signs                                    | Carbon and Alloy Steel Nuts  | 1982         | Active       |                   |   |             |
| M 291           | Carbon and Alloy Steel Nuts   | Carbon and Alloy Steel Nuts  | 1982         | Discontinued | 2011              | Replaced by ASTM A563                       |             |
| M 291M          | Carbon and Alloy Steel Nuts [Metric]  | Carbon and Alloy Steel Nuts [Metric]   | 1982         | Discontinued | 2010              | Replaced by ASTM A563M                      |             |
| M 292           | Carbon and Alloy Steel Nuts for Bolts for High-Pressure and High-Temperature Service                    | Carbon and Alloy Steel Nuts for Bolts for High-Pressure and High-Temperature Service         | 1982         | Converted    | 1992              | Replaced by dual-unit standard M 292M/M 292 |             |
| M 292M/M 292    | Carbon and Alloy Steel Nuts for Bolts for High-Pressure and High-Temperature Service                    | Carbon and Alloy Steel Nuts for Bolts for High-Pressure or High-Temperature Service, or Both | 1992         | Active       |                   |   |             |
| M 293           | Hardened Steel Washers  | Hardened Steel Washers   | 1982         | Discontinued | 2011              | Replaced by ASTM F436                       |             |
| M 293M          | Hardened Steel Washers [Metric]   | Hardened Steel Washers [Metric]  | 1997         | Discontinued | 2010              | Replaced by ASTM F463M                      |             |
| M 294           | Corrugated Polyethylene Pipe, 12- to 24-in. Diameter  | Corrugated Polyethylene Pipe, 300- to 1500-mm (12- to 60-in.) Diameter                       | 1983         | Active       |                   |   |             |
| M 295           | Fly Ash and Raw or Calcined Natural Pozzolan for Use as a Mineral Admixture in Portland Cement Concrete | Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete                        | 1984         | Active       |                   |   |             |

| Standard Number | Original Title   | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known) | Other Notes  |
|-----------------|--|---|--------------|--------------|-------------------|--------------------------------|--|
| M 296           | [Title unknown—Never printed]  |   |              | Unused       |                   |                                | This number was likely used for a standard that was proposed but not adopted in the 1980s. No record of its content remains. |
| M 297           | Preformed Polychloroprene Elastomeric Joint Seals for Bridges                                  | Preformed Polychloroprene Elastomeric Joint Seals for Bridges                                       | 1984         | Active       |                   |                                |  |
| M 298           | Coatings of Zinc Mechanically Deposited on Iron and Steel                                      | Coatings of Zinc Mechanically Deposited on Iron and Steel   | 1984         | Discontinued | 2011              | Replaced by ASTM B695          |  |
| M 299           | Coatings of Cadmium Mechanically Deposited on Iron and Steel                                   | Coatings of Cadmium Mechanically Deposited  | 1984         | Discontinued | 2011              | Replaced by ASTM B696          |  |
| M 300           | Inorganic Zinc Rich Primer   | Inorganic Zinc-Rich Primer  | 1985         | Active       |                   |                                |  |
| M 301           | Joint Sealants, Hot-Poured, for Concrete and Asphalt Pavements                                 | Joint Sealants, Hot-Poured, for Concrete and Asphalt Pavements                                      | 1985         | Discontinued | 2004              | Replaced by M 324              |  |
| M 302           | Ground Iron Blast-Furnace Slag for Use in Concrete and Mortars                                 | Slag Cement for Use in Concrete and Mortars   | 1986         | Active       |                   |                                |  |
| M 303           | Lime for Asphalt Mixtures  | Lime for Asphalt Mixtures   | 1989         | Active       |                   |                                |  |
| M 304           | Poly (Vinyl Chloride) (PVC) Ribbed Drain Pipe and Fittings Based on Controlled Inside Diameter | Poly(Vinyl Chloride) (PVC) Profile Wall Drain Pipe and Fittings Based on Controlled Inside Diameter | 1989         | Active       |                   |                                | Published as metric standard M 304M in 1990, 1993, and 1997-98.  |
| M 304M          | Poly (Vinyl Chloride) (PVC) Ribbed Drain Pipe and Fittings Based on Controlled Inside Diameter | Poly(Vinyl Chloride) (PVC) Profile Wall Drain Pipe and Fittings Based on Controlled Inside Diameter | 1989         | Converted    | 2000              | Reverted to M 304              | Published as U.S. units standard M 304 in 1991-92 and 1995.  |
| M 305           | Aluminum-Coated Steel Barbed Wire  | Aluminum-Coated Steel Barbed Wire   | 1989         | Discontinued | 2003              | Incorporated into M 280        |  |
| M 306           | Drainage Structure Castings  | Drainage, Sewer, Utility, and Related Castings  | 1989         | Active       |                   |                                |  |
| M 307           | Microsilica for Use in Concrete and Mortar   | Silica Fume Used in Cementitious Mixtures   | 1990         | Active       |                   |                                |  |

| Standard Number | Original Title  | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known) | Other Notes  |
|-----------------|---|---|--------------|--------------|-------------------|--------------------------------|--|
| M 308           | [Title unknown—Never printed]   |   |              | Unused       |                   |                                | This number was likely used for a standard that was proposed but not adopted in the early 1990s. No record of its content remains. |
| M 309           | White and Yellow Fast-Dry Traffic Paint   | White and Yellow Fast-Dry Traffic Paint   | 1990         | Discontinued | 1992              | Lack of use                    |  |
| M 310           | Green Bridge Paint Non Lead and Non Chromate  | Green Bridge Paint Non Lead and Non Chromate  | 1990         | Discontinued | 1992              | Lack of use                    |  |
| M 311           | Black Paint for Bridges or Timber Structures Non Lead   | Black Paint for Bridges or Timber Structures Non Lead   | 1990         | Discontinued | 1992              | Lack of use                    |  |
| M 312           | Red Iron Oxide Primer Non Lead and Non Chromate   | Red Iron Oxide Primer Non Lead and Non Chromate   | 1990         | Discontinued | 1992              | Lack of use                    |  |
| M 313M/M 313    | Quenched and Tempered Low-Alloy Structural Steel Plate with 70 ksi [485 MPa] Minimum Yield Strength to 4 in. [100 mm] Thick | Quenched-and-Tempered Low-Alloy Structural Steel Plate with 485 MPa [70 ksi] Minimum Yield Strength to 100 mm [4 in.] Thick | 1990         | Discontinued | 2000              | Replaced by ASTM A852M/A852    |  |
| M 314           | Steel Anchor Bolts  | Steel Anchor Bolts  | 1990         | Active       |                   |                                |  |
| M 315           | Joints for Circular Concrete Sewer and Culvert Pipe, Using Rubber Gaskets   | Joints for Concrete Pipe and Manholes, Using Rubber Gaskets   | 1994         | Discontinued | 2011              | Replaced by ASTM C443          |  |
| M 315M          | Joints for Circular Concrete Sewer and Culvert Pipe, Using Rubber Gaskets [Metric]  | Joints for Circular Concrete Sewer and Culvert Pipe, Using Rubber Gaskets [Metric]  | 1994         | Discontinued | 2011              | Replaced by ASTM C443M         |  |
| M 316           | Polymer Modified Cationic Emulsified Asphalt  | Polymer-Modified Emulsified Asphalt   | 1996         | Active       |                   |                                |  |
| M 317/M 317M    | Epoxy-Coated Reinforcing Bars: Handling Requirements for Fabrication and Job Site   | Epoxy-Coated Reinforcing Bars: Handling Requirements for Fabrication and Job Site   | 2001         | Discontinued | 2012              | Replaced by ASTM D3963/D3963M  |  |
| M 318           | Glass Cullet Use for Soil-Aggregate Base Course   | Glass Cullet Use for Soil-Aggregate Base Course   | 2001         | Active       |                   |                                |  |
| M 319           | Reclaimed Concrete Aggregate for Unbound Soil-Aggregate Base Course   | Reclaimed Concrete Aggregate for Unbound Soil-Aggregate Base Course   | 2002         | Active       |                   |                                |  |
| M 320           | Performance-Graded Asphalt Binder   | Performance-Graded Asphalt Binder   | 2002         | Active       |                   |                                | Formerly MP 1  |

| Standard Number | Original Title  | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known) | Other Notes   |
|-----------------|---|---|--------------|--------------|-------------------|--------------------------------|---|
| M 321           | High-Reactivity Pozzolans for Use in Hydraulic-Cement Concrete, Mortar, and Grout   | High-Reactivity Pozzolans for Use in Hydraulic-Cement Concrete, Mortar, and Grout   | 2003         | Active       |                   |                                |   |
| M 322M/M 322    | Rail-Steel and Axle-Steel Deformed Bars for Concrete Reinforcement  | Rail-Steel and Axle-Steel Deformed Bars for Concrete Reinforcement  | 2003         | Active       |                   |                                | Combines M 42M/M 42 and M 53M/M 53  |
| M 323           | Superpave Volumetric Mix Design   | Superpave Volumetric Mix Design   | 2004         | Active       |                   |                                | Formerly MP 2   |
| M 324           | Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements   | Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements   | 2004         | Discontinued | 2013              | Replaced by ASTM D6690         | Combined M 173 and M 301  |
| M 325           | Stone Matrix Asphalt (SMA)  | Stone Matrix Asphalt (SMA)  | 2008         | Active       |                   |                                | Formerly MP 8   |
| M 326           | Polyethylene (PE) Liner Pipe, 300- to 600-mm Diameter, Based on Controlled Outside Diameter                                 | Polyethylene (PE) Liner Pipe, 300- to 1600-mm Diameter, Based on Controlled Outside Diameter                                | 2008         | Active       |                   |                                |   |
| M 327           | Processing Additions for use in the Manufacture of Hydraulic Cements  | Processing Additions for Use in the Manufacture of Hydraulic Cements  | 2009         | Active       |                   |                                |   |
| M 328           | Inertial Profiler   | Inertial Profiler   | 2010         | Active       |                   |                                | Formerly MP 11  |
| M 329M/M 329    | Stainless Clad Deformed and Plain Round Steel Bars for Concrete Reinforcement   | Stainless Clad Deformed and Plain Round Steel Bars for Concrete Reinforcement   | 2011         | Active       |                   |                                |   |
| M 330           | Polypropylene Pipe, 300- to 1500-mm (12- to 16-in.) Diameter  | Polypropylene Pipe, 300- to 1500-mm (12- to 60-in.) Diameter  | 2013         | Active       |                   |                                |   |
| M 331           | Smoothness of Pavement in Weigh-in-Motion (WIM) Systems   | Smoothness of Pavement in Weigh-in-Motion (WIM) Systems   | 2013         | Active       |                   |                                | Formerly MP 14  |
| M 332           | Performance-Graded Asphalt Binder Using Multiple Stress Creep Recovery (MSCR) Test  | Performance-Graded Asphalt Binder Using Multiple Stress Creep Recovery (MSCR) Test  | 2014         | Active       |                   |                                | Formerly MP 19  |
| M 333           | Detectable Warning Surfaces   | Detectable Warning Surfaces   | 2015         | Active       |                   |                                | Formerly MP 12  |
| M 334M/M 334    | Uncoated, Corrosion-Resistant, Deformed and Plain Chromium Alloyed, Billet-Steel Bars for Concrete Reinforcement and Dowels | Uncoated, Corrosion-Resistant, Deformed and Plain Chromium Alloyed, Billet-Steel Bars for Concrete Reinforcement and Dowels | 2015         | Active       |                   |                                | Formerly MP 18M/MP 18 main text; annexes adopted separately as new standard tests T 372M/T 372 through T 376M/T 376 |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)     | Other Notes   |
|-----------------|--|--|--------------|--------------|-------------------|------------------------------------|---|
| R 1             | Standard Metric Practice Guide (A Guide to the Use of SI--the International System of Units)     | Use of the International System of Units   | 1970         | Discontinued | 2008              | Replaced by IEEE/ASTM SI 10        |   |
| R 2             | Preparing Precision Statements for Test Methods for Construction Materials                       | Preparing Precision Statements for Test Methods for Construction Materials                       | 1972         | Discontinued | 1978              |                                    |   |
| R 3             | Packaging, Marking, and Loading Methods for Steel Products for Domestic Shipment                 | Packaging, Marking, and Loading Methods for Steel Products for Domestic Shipment                 | 1976         | Discontinued | 1978              |                                    |   |
| R 4             | Statistical Procedures   | Statistical Procedures   | 1977         | Discontinued | 2011              |                                    |   |
| R 5             | Selection and Use of Emulsified Asphalts   | Selection and Use of Emulsified Asphalts   | 1980         | Active       |                   |                                    |   |
| R 6             | Plastic Pipe and Tubing  | Plastic Pipe and Tubing  | 1980         | Discontinued | 1993              | Lack of use                        |   |
| R 7             | Monitoring Air Quality   | Monitoring Air Quality   | 1981         | Discontinued | 2002              |                                    |   |
| R 8             | Evaluation of Transportation Related Earthborne Vibrations                                       | Evaluation of Transportation-Related Earthborne Vibrations                                       | 1981         | Active       |                   |                                    | Discontinued in 1995 due to lack of use, but reissued in 1996 |
| R 9             | Acceptance Sampling Plans for Highway Construction   | Acceptance Sampling Plans for Highway Construction   | 1981         | Active       |                   |                                    |   |
| R 10            | Definition of Terms for Specifications and Procedures  | Definition of Terms Related to Quality and Statistics as Used in Highway Construction            | 1981         | Active       |                   |                                    |   |
| R 11            | Indicating Which Places of Figures Are to Be Considered Significant in Specified Limiting Values | Indicating Which Places of Figures Are to Be Considered Significant in Specified Limiting Values | 1982         | Discontinued | 2008              | Replaced by ASTM E29               |   |
| R 12            | Bituminous Mixture Design Using the Marshall and Hveem Procedures                                | Bituminous Mixture Design Using the Marshall and Hveem Procedures                                | 1985         | Discontinued | 2007              | Replaced by Asphalt Institute MS-2 |   |
| R 13            | Conducting Subsurface Investigations   | Conducting Geotechnical Subsurface Investigations  | 1988         | Active       |                   |                                    |   |
| R 14            | Classifying Hot Mix Recycling Agents   | Classifying Hot-Mix Recycling Agents   | 1988         | Discontinued | 2012              | Replaced by ASTM D4552             |   |
| R 15            | Asphalt Additives and Modifiers  | Asphalt Additives and Modifiers  | 1989         | Active       |                   |                                    |   |
| R 16            | Regulatory Information for Chemicals Used in AASHTO Tests  | Regulatory Information for Chemicals Used in AASHTO Tests  | 1991         | Active       |                   |                                    |   |

| Standard Number | Original Title   | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known) | Other Notes  |
|-----------------|--|---|--------------|--------------|-------------------|--------------------------------|--|
| R 17            | [Title unknown—Never printed]  |   |              | Unused       |                   |                                | This number was likely used for a standard that was proposed but not adopted in the early 1990s. No record of its content remains. |
| R 18            | Establishing and Implementing a Quality System for Construction Materials Testing Laboratories | Establishing and Implementing a Quality Management System for Construction Materials Testing Laboratories | 1992         | Active       |                   |                                |  |
| R 19            | Operational Guidelines on Test Pits for Evaluating Pavement Performance                        | Operational Guidelines on Test Pits for Evaluating Pavement Performance                                   | 1994         | Discontinued | 2004              | Lack of Use                    |  |
| R 20            | Procedures for Measuring Highway Noise   | Procedures for Measuring Highway Noise  | 1994         | Active       |                   |                                |  |
| R 21            | Drilling for Subsurface Investigations—Unexpectedly Encountering Suspected Hazardous Material  | Drilling for Subsurface Investigations—Unexpectedly Encountering Suspected Hazardous Material             | 1996         | Active       |                   |                                |  |
| R 22            | Decommissioning Geotechnical Exploratory Boreholes   | Decommissioning Geotechnical Exploratory Boreholes  | 1997         | Active       |                   |                                |  |
| R 23            | Chemical, Biological, and Physical Analysis of Water   | Chemical, Biological, and Physical Analysis of Water  | 1999         | Active       |                   |                                | Formerly T 263   |
| R 24            | Collection and Preservation of Water Samples   | Collection and Preservation of Water Samples  | 1999         | Active       |                   |                                | Formerly T 264   |
| R 25            | Technician Training and Qualification Program  | Technician Training and Qualification Programs  | 2000         | Active       |                   |                                |  |
| R 26            | Certifying Suppliers of Performance-Graded Asphalt Binders                                     | Certifying Suppliers of Performance-Graded Asphalt Binders  | 2001         | Active       |                   |                                |  |
| R 27            | Assessment of Corrosion of Steel Piling for Non-Marine Applications                            | Assessment of Corrosion of Steel Piling for Non-Marine Applications                                       | 2001         | Active       |                   |                                |  |
| R 28            | Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV)                     | Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV)                                | 2002         | Active       |                   |                                | Formerly PP 1  |
| R 29            | Grading or Verifying the Performance Grade of an Asphalt Binder                                | Grading or Verifying the Performance Grade (PG) of an Asphalt Binder                                      | 2002         | Active       |                   |                                | Formerly PP 6  |



| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status | Year Discontinued | Reason Discontinued (If Known) | Other Notes   |
|-----------------|--|--|--------------|--------|-------------------|--------------------------------|---|
| R 30            | Mixture Conditioning of Hot-Mix Asphalt  | Mixture Conditioning of Hot-Mix Asphalt (HMA)  | 2002         | Active |                   |                                | Formerly PP 2   |
| R 31            | Evaluation of Coating Systems with Zinc-Rich Primers   | Evaluation of Protective Coating Systems for Structural Steel  | 2002         | Active |                   |                                | Formerly PP 30  |
| R 32            | Calibrating the Load Cell and Deflection Sensors for a Falling Weight Deflectometer                  | Calibrating the Load Cell and Deflection Sensors for a Falling Weight Deflectometer                    | 2003         | Active |                   |                                | Formerly PP 7   |
| R 33            | Calibrating the Reference Load Cell Used for Reference Calibrations for Falling Weight Deflectometer | Calibrating the Reference Load Cell Used for Reference Calibrations for a Falling Weight Deflectometer | 2003         | Active |                   |                                | Formerly PP 8   |
| R 34            | Evaluating Deicing Chemicals   | Evaluating Deicing Chemicals   | 2003         | Active |                   |                                | Formerly PP 29  |
| R 35            | Superpave Volumetric Design for Hot-Mix Asphalt (HMA)  | Superpave Volumetric Design for Asphalt Mixtures   | 2004         | Active |                   |                                | Formerly PP 28  |
| R 36            | Evaluating Faulting of Concrete Pavements  | Evaluating Faulting of Concrete Pavements  | 2004         | Active |                   |                                | Formerly PP 39  |
| R 37            | Application of Ground-Penetrating Radar (GPR) to Highways  | Application of Ground Penetrating Radar (GPR) to Highways  | 2004         | Active |                   |                                | Formerly PP 40  |
| R 38            | Quality Assurance of Standard Manufactured Materials   | Quality Assurance of Standard Manufactured Materials   | 2004         | Active |                   |                                |   |
| R 39            | Making and Curing Concrete Test Specimens in the Laboratory  | Making and Curing Concrete Test Specimens in the Laboratory  | 2005         | Active |                   |                                |   |
| R 40            | Measuring Pavement Profile Using a Rod and Level   | Measuring Pavement Profile Using a Rod and Level   | 2005         | Active |                   |                                | Formerly PP 31  |
| R 41            | Measuring Pavement Profile Using a Dipstick®   | Measuring Pavement Profile Using a Dipstick®   | 2005         | Active |                   |                                | Formerly PP 32  |
| R 42            | Developing a Quality Assurance Plan for Hot-Mix Asphalt (HMA)  | Developing a Quality Assurance Plan for Hot Mix Asphalt (HMA)  | 2006         | Active |                   |                                | Formerly PP 52  |
| R 43            | Quantifying Roughness of Pavements   | Quantifying Roughness of Pavements   | 2007         | Active |                   |                                | Combined PP 37M and PP 37 to make a dual-unit full standard |
| R 44            | Independent Assurance (IA) Programs  | Independent Assurance (IA) Programs  | 2007         | Active |                   |                                |   |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known) | Other Notes    |
|-----------------|--|--|--------------|--------------|-------------------|--------------------------------|----------------|
| R 45            | Installing, Monitoring, and Processing Data of the Traveling Type Slope Inclinometer             | Installing, Monitoring, and Processing Data of the Traveling Type Slope Inclinometer             | 2008         | Active       |                   |                                | Formerly T 254 |
| R 46            | Designing Stone Matrix Asphalt (SMA)   | Designing Stone Matrix Asphalt (SMA)   | 2008         | Active       |                   |                                | Formerly PP 41 |
| R 47            | Reducing Samples of Hot Mix Asphalt (HMA) to Testing Size  | Reducing Samples of Hot Mix Asphalt (HMA) to Testing Size  | 2008         | Active       |                   |                                | Formerly T 328 |
| R 48            | Determining Rut Depth in Pavements   | Determining Rut Depth in Pavements   | 2008         | Active       |                   |                                | Formerly PP 38 |
| R 49            | Determination of Low-Temperature Performance Grade (PG) of Asphalt Binders                       | Determination of Low-Temperature Performance Grade (PG) of Asphalt Binders                       | 2009         | Active       |                   |                                | Formerly PP 42 |
| R 50            | Geosynthetic Reinforcement of the Aggregate Base Course of Flexible Pavement Structures          | Geosynthetic Reinforcement of the Aggregate Base Course of Flexible Pavement Structures          | 2009         | Active       |                   |                                | Formerly PP 46 |
| R 51            | Compost for Erosion/Sediment Control (Filter Berms and Filter Socks)                             | Compost for Erosion/Sediment Control (Filter Berms and Filter Socks)                             | 2010         | Active       |                   |                                | Formerly MP 9  |
| R 52            | Compost for Erosion/Sediment Control (Compost Blankets)  | Compost for Erosion/Sediment Control (Compost Blankets)  | 2010         | Active       |                   |                                | Formerly MP 10 |
| R 53            | Qualification of Deformed and Plain Reinforcing Steel Bar, Welded Wire, and Wire Producing Mills | Qualification of Deformed and Plain Reinforcing Steel Bar, Welded Wire, and Wire Producing Mills | 2010         | Discontinued | 2014              | Lack of use                    | Formerly PP 45 |
| R 54            | Accepting Pavement Ride Quality When Measured Using Inertial Profiling Systems                   | Pavement Ride Quality When Measured Using Inertial Profiling Systems                             | 2010         | Active       |                   |                                | Formerly MP 17 |
| R 55            | Quantifying Cracks in Asphalt Pavement Surfaces  | Quantifying Cracks in Asphalt Pavement Surface   | 2010         | Active       |                   |                                | Formerly PP 44 |
| R 56            | Certification of Inertial Profiling Systems  | Certification of Inertial Profiling Systems  | 2010         | Active       |                   |                                | Formerly PP 49 |
| R 57            | Operating Inertial Profiling Systems   | Operating Inertial Profilers and Evaluating Pavement Profiles                                    | 2010         | Active       |                   |                                | Formerly PP 50 |
| R 58            | Dry Preparation of Disturbed Soil and Soil-Aggregate Samples for Test                            | Dry Preparation of Disturbed Soil and Soil-Aggregate Samples for Test                            | 2011         | Active       |                   |                                | Formerly T 87  |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status | Year Discontinued | Reason Discontinued (If Known) | Other Notes          |
|-----------------|--|--|--------------|--------|-------------------|--------------------------------|----------------------|
| R 59            | Recovery of Asphalt Binder from Solution by Abson Method   | Recovery of Asphalt Binder from Solution by Abson Method   | 2011         | Active |                   |                                | Formerly T 170       |
| R 60            | Sampling Freshly Mixed Concrete  | Sampling Freshly Mixed Concrete  | 2012         | Active |                   |                                | Formerly T 141       |
| R 61            | Establishing Requirements for Equipment Calibrations, Standardizations, and Checks   | Establishing Requirements for Equipment Calibrations, Standardizations, and Checks   | 2012         | Active |                   |                                | Formerly PP 57       |
| R 62            | Developing Dynamic Modulus Master Curves for Asphalt Mixtures  | Developing Dynamic Modulus Master Curves for Asphalt Mixtures  | 2013         | Active |                   |                                | Formerly PP 62       |
| R 63            | Solid Wall High-Density Polyethylene (HDPE) Conduit for Non-Pressure Applications Used for the Protection of Power and Telecommunications Cables | Solid Wall High-Density Polyethylene (HDPE) Conduit for Non-Pressure Applications Used for the Protection of Power and Telecommunications Cables | 2013         | Active |                   |                                |                      |
| R 64            | Sampling and Fabrication of 50-mm (2-in.) Cube Specimens Using Grout (Non-Shrink) or Mortar  | Sampling and Fabrication of 50-mm (2-in.) Cube Specimens Using Grout (Non-Shrink) or Mortar  | 2014         | Active |                   |                                | Formerly TP 83       |
| R 65            | Evaluating the Engineering and Environmental Suitability of Recycled Materials   | Evaluating the Engineering and Environmental Suitability of Recycled Materials   | 2014         | Active |                   |                                | Formerly PP 56       |
| R 66            | Sampling Asphalt Materials   | Sampling Asphalt Materials   | 2015         | Active |                   |                                | Formerly T 40        |
| R 67            | Sampling Asphalt Mixtures after Compaction (Obtaining Cores)   | Sampling Asphalt Mixtures after Compaction (Obtaining Cores)   | 2015         | Active |                   |                                |                      |
| R 68            | Preparation of Asphalt Mixtures by Means of the Marshall Apparatus   | Preparation of Asphalt Mixtures by Means of the Marshall Apparatus   | 2015         | Active |                   |                                | Excerpted from T 245 |
| R 69            | Determination of Long-Term Strength for Geosynthetic Reinforcement   | Determination of Long-Term Strength for Geosynthetic Reinforcement   | 2015         | Active |                   |                                | Formerly PP 66       |
| R 70M/R 70      | Use of Apparatus for the Determination of Length Change of Hardened Cement Paste, Mortar, and Concrete   | Use of Apparatus for the Determination of Length Change of Hardened Cement Paste, Mortar, and Concrete   | 2016         | Active |                   |                                | Formerly M 210       |
| R 71            | Sampling and Amount of Testing of Hydraulic Cement   | Sampling and Amount of Testing of Hydraulic Cement   | 2016         | Active |                   |                                | Formerly T 127       |
| R 72            | Match Curing of Concrete Test Specimens  | Match Curing of Concrete Test Specimens  | 2016         | Active |                   |                                | Formerly PP 54       |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known) | Other Notes    |
|-----------------|--|--|--------------|--------------|-------------------|--------------------------------|----------------|
| R 73            | Evaluation of Precast Concrete Drainage Products   | Evaluation of Precast Concrete Drainage Products   | 2016         | Active       |                   |                                |                |
| R 74            | Wet Preparation of Disturbed Soil Samples for Test   | Wet Preparation of Disturbed Soil Samples for Test   | 2016         | Active       |                   |                                | Formerly T 146 |
| R 75            | Developing a Family of Curves  | Developing a Family of Curves  | 2016         | Active       |                   |                                |                |
| R 76            | Reducing Samples of Aggregate to Testing Size  | Reducing Samples of Aggregate to Testing Size  | 2016         | Active       |                   |                                | Formerly T 248 |
| R 77            | Certifying Suppliers of Emulsified Asphalt   | Certifying Suppliers of Emulsified Asphalt   | 2016         | Active       |                   |                                | Formerly PP 71 |
| R 78            | Recovering Residue from Emulsified Asphalt Using Low-Temperature Evaporative Techniques  | Recovering Residue from Emulsified Asphalt Using Low-Temperature Evaporative Techniques  | 2016         | Active       |                   |                                | Formerly PP 72 |
| R 79            | Vacuum Drying Compacted Asphalt Specimens  | Vacuum Drying Compacted Asphalt Specimens  | 2016         | Active       |                   |                                | Formerly PP 80 |
| R 80            | Determining the Reactivity of Concrete Aggregates and Selecting Appropriate Measures for Preventing Deleterious Expansion in New Concrete Construction | Determining the Reactivity of Concrete Aggregates and Selecting Appropriate Measures for Preventing Deleterious Expansion in New Concrete Construction | 2017         | Active       |                   |                                | Formerly PP 65 |
| R 81            | Static Segregation of Hardened Self-Consolidating Concrete (SCC) Cylinders   | Static Segregation of Hardened Self-Consolidating Concrete (SCC) Cylinders   | 2017         | Active       |                   |                                | Formerly PP 58 |
| R 82            | Pipe Joint Selection for Highway Culvert and Storm Drains  | Pipe Joint Selection for Highway Culvert and Storm Drains  | 2017         | Active       |                   |                                | Formerly PP 63 |
| R 83            | Preparation of Cylindrical Performance Test Specimens Using the Superpave Gyratory Compactor (SGC)   | Preparation of Cylindrical Performance Test Specimens Using the Superpave Gyratory Compactor (SGC)   | 2017         | Active       |                   |                                | Formerly PP 60 |
| R 84            | Developing Dynamic Modulus Master Curves for Asphalt Mixtures Using the Asphalt Mixture Performance Tester (AMPT)                                      | Developing Dynamic Modulus Master Curves for Asphalt Mixtures Using the Asphalt Mixture Performance Tester (AMPT)                                      | 2017         | Active       |                   |                                | Formerly PP 61 |
| T 1             | Testing Cement   | Sampling and Testing Portland Cement   | 1924         | Discontinued | 1947              |                                |                |

| Standard Number | Original Title   | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)                    | Other Notes                                       |
|-----------------|--|---|--------------|--------------|-------------------|---|---|
| T 2             | Sampling Stone, Slag, Gravel, Sand, and Stone Block for Use as Highway Materials, Including Some Material-Survey Methods | Sampling of Aggregates  | 1924         | Active       |                   |   |   |
| T 3             | Abrasion of Broken Stone and Broken Slag   | Abrasion of Stone and Slag by Use of the Deval Machine  | 1924         | Discontinued | 1983              | Lack of use                                       |   |
| T 4             | Abrasion of Gravel   | Abrasion of Gravel by Use of the Deval Machine  | 1924         | Discontinued | 1983              | Lack of use                                       |   |
| T 5             | Toughness of Rock  | Toughness of Rock   | 1924         | Discontinued | 1961              |   |   |
| T 6             | Toughness of Gravel  | Toughness of Gravel   | 1924         | Discontinued | 1942              |   |   |
| T 7             | Determining Quality of Glacial Gravels by Lithological Count of Particles  | Determining Quality of Glacial Gravels by Lithological Count of Particles                                     | 1924         | Discontinued | 1942              |   |   |
| T 8             | Quantity of Soft Pebbles in Gravel   | Quantity of Soft Pebbles in Gravel  | 1924         | Discontinued | 1942              |   |   |
| T 9             | Soundness of Coarse Aggregate  | Soundness of Coarse Aggregate   | 1924         | Discontinued | 1935              |   |   |
| T 10            | Percentage of Shale in Aggregate   | Percentage of Shale in Aggregate  | 1924         | Discontinued | 1950              | "Replaced by [unspecified] other [test] methods." | This statement probably refers to T 149 and T 150 |
| T 11            | Quantity of Clay and Silt in Gravel  | Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing                             | 1924         | Active       |                   |   |   |
| T 12            | Decantation Test for Sand and Other Fine Aggregates  | Decantation Test for Sand and Other Fine Aggregates   | 1924         | Discontinued | 1935              |   |   |
| T 13            | Apparent Specific Gravity of Sand, Stone, and Slag Screenings, and Other Fine Nonbituminous Highway Materials            | Apparent Specific Gravity of Sand, Stone, and Slag Screenings, and Other Fine Nonbituminous Highway Materials | 1924         | Discontinued | 1935              |   |   |
| T 14            | Apparent Specific Gravity and Absorption of Stone and Other Coarse Materials   | Apparent Specific Gravity and Absorption of Stone and Other Coarse Materials                                  | 1924         | Discontinued | 1935              |   |   |
| T 15            | Apparent Specific Gravity and Absorption of Sand, Gravel, or Other Fine Nonbituminous Highway Materials                  | Apparent Specific Gravity and Absorption of Sand, Gravel, or Other Fine Nonbituminous Highway Materials       | 1924         | Discontinued | 1935              |   |   |
| T 16            | Approximate Apparent Specific Gravity of Fine Aggregate  | Approximate Apparent Specific Gravity of Fine Aggregate   | 1924         | Discontinued | 1935              |   |   |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)            | Other Notes |
|-----------------|--|--|--------------|--------------|-------------------|---|-------------|
| T 17            | Approximate Percentage of Voids in Inundated Fine Aggregate                      | Approximate Percentage of Voids in Inundated Fine Aggregate          | 1924         | Discontinued | 1935              |   |             |
| T 18            | Surface Moisture in Fine Aggregate   | Surface Moisture in Fine Aggregate                                   | 1924         | Discontinued | 1935              |   |             |
| T 19            | Unit Weight of Aggregate for Concrete  | Unit Weight and Voids in Aggregate                                   | 1924         | Converted    | 1991              | Replaced by dual-unit standard T 19M/T 19 |             |
| T 19M/T 19      | Unit Weight and Voids in Aggregate   | Bulk Density ("Unit Weight") and Voids in Aggregate                  | 1991         | Active       |                   |   |             |
| T 20            | Determination of Voids in Fine Aggregate for Concrete                            | Voids in Aggregate in Concrete                                       | 1928         | Discontinued | 1980              | Incorporated into T 19                    |             |
| T 21            | Organic Impurities in Sands for Concrete   | Organic Impurities in Fine Aggregates for Concrete                   | 1924         | Active       |                   |   |             |
| T 22            | Methods of Making Compression Tests of Concrete                                  | Compressive Strength of Cylindrical Concrete Specimens               | 1924         | Active       |                   |   |             |
| T 23            | Method of Making and Storing Compression Test Specimens of Concrete in the Field | Making and Curing Concrete Test Specimens in the Field               | 1924         | Active       |                   |   |             |
| T 24            | Methods of Securing Specimens of Hardened Concrete from the Structure            | Securing Specimens of Hardened Concrete from the Structure           | 1924         | Converted    | 2007              | Replaced by dual-unit standard T 24M/T 24 |             |
| T 24M/T 24      | Obtaining and Testing Drilled Cores and Sawed Beams of Concrete                  | Obtaining and Testing Drilled Cores and Sawed Beams of Concrete      | 2007         | Active       |                   |   |             |
| T 25            | Method of Test for Absorption of Concrete  | Test for Absorption of Concrete                                      | 1924         | Discontinued | 1947              |   |             |
| T 26            | Quality of Water to be Used in Concrete  | Quality of Water to be Used in Concrete                              | 1924         | Discontinued | 2014              | Lack of use                               |             |
| T 27            | Sieve Analysis of Aggregates for Concrete  | Sieve Analysis of Fine and Coarse Aggregates                         | 1924         | Discontinued |                   |   |             |
| T 28            | Method of Mechanical Analysis of Sand or Other Fine Highway Material             | Method of Mechanical Analysis of Sand or Other Fine Highway Material | 1924         | Discontinued | 1935              |   |             |
| T 29            | Method of Mechanical Analysis of Coarse Aggregates                               | Method of Mechanical Analysis of Coarse Aggregates                   | 1924         | Discontinued | 1935              |   |             |
| T 30            | Method of Mechanical Analysis of Extracted Aggregates                            | Mechanical Analysis of Extracted Aggregate                           | 1924         | Discontinued |                   |   |             |
| T 31            | Paving Brick   | Sampling and Testing Paving Brick                                    | 1924         | Discontinued | 1971              |   |             |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)                        | Other Notes                              |
|-----------------|--|--|--------------|--------------|-------------------|---|--|
| T 32            | Testing Brick (Compression, Flexure, Absorption)                               | Sampling and Testing Brick   | 1924         | Discontinued | 2011              | Replaced by ASTM C67                                  |  |
| T 33            | Methods of Testing Culvert Pipe  | Testing Culvert Pipe   | 1935         | Discontinued | 1984              | Lack of use   |  |
| T 34            | Drain Tile   | Sampling and Testing Drain Tile  | 1924         | Discontinued | 1938              |   |  |
| T 35            | Methods of Making Compression and Tension Tests of Fine Aggregate for Concrete | Methods of Making Compression and Tension Tests of Fine Aggregate for Concrete | 1924         | Discontinued | 1942              |   |  |
| T 36            | Method of Sampling Mineral Filler  | Sampling Mineral Filler  | 1924         | Discontinued | 1947              |   |  |
| T 37            | Determination of Fineness of Mineral Filler                                    | Sieve Analysis of Mineral Filler for Hot Mix Asphalt                           | 1924         | Active       |                   |   |  |
| T 38            | Proportioning Natural Sand and Gravel for Concrete Construction                | Proportioning Natural Sand and Gravel for Concrete Construction                | 1928         | Discontinued | 1942              |   |  |
| T 39            | Wire Rope (Guardrail)  | Wire Rope (Guardrail)  | 1924         | Discontinued | 1984              | Lack of use   |  |
| T 40            | Methods of Sampling Bituminous Materials                                       | Sampling Bituminous Materials  | 1925         | Renumbered   | 2015              | Revised and renumbered as R 66                        |  |
| T 41            | Methods of Sampling Bituminous Mixtures  | Sampling Bituminous Mixtures   | 1925         | Discontinued | 1955              | Replaced by T 168                                     |  |
| T 42            | Methods of Sampling and Testing Premolded Joint Fillers                        | Preformed Expansion Joint Filler for Concrete Construction                     | 1925         | Active       |                   |   | Discontinued in 1935; reinstated in 1938 |
| T 43            | Specific Gravity of Bituminous Materials                                       | Specific Gravity of Bituminous Materials                                       | 1925         | Discontinued | 1969              | Replaced by T 227, T 228, or T 229                    |  |
| T 44            | Percentage of Bitumen (Soluble in Carbon Disulphide)                           | Solubility of Bituminous Materials   | 1925         | Active       |                   |   |  |
| T 45            | Percentage of Bitumen Insoluble in Carbon Tetrachloride                        | Determination of Proportion of Bitumen Insoluble in Carbon Tetrachloride       | 1925         | Discontinued | 1964              |   |  |
| T 46            | Percentage of Bitumen Insoluble in Paraffin Naphtha                            | Percentage of Bitumen Insoluble in Paraffin Naphtha                            | 1925         | Discontinued | 1961              |   |  |
| T 47            | Loss on Heating of Oil and Asphaltic Compounds                                 | Loss on Heating of Oil and Asphaltic Compounds                                 | 1925         | Discontinued | 2004              | Lack of use   |  |
| T 48            | Flash and Fire Points by Means of Open Cup                                     | Flash and Fire Points by Cleveland Open Cup                                    | 1925         | Active       |                   |   |  |
| T 49            | Penetration of Bituminous Materials  | Penetration of Bituminous Materials  | 1925         | Discontinued | 1963              | Based on ASTM D5, which was withdrawn by ASTM in 1961 |  |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)            | Other Notes |
|-----------------|--|--|--------------|--------------|-------------------|---|-------------|
| T 50            | Method of Float Test for Bituminous Materials  | Float Test for Bituminous Materials  | 1924         | Active       |                   |   |             |
| T 51            | Ductility of Bituminous Materials  | Ductility of Asphalt Materials   | 1924         | Active       |                   |   |             |
| T 52            | Distillation of Tars and Tar Products  | Distillation of Load Tars  | 1924         | Discontinued | 1988              | Lack of use                               |             |
| T 53            | Softening Point of Bituminous Materials (Ring-and-Ball Method)                           | Softening Point of Bitumen (Ring-and-Ball Apparatus)                                     | 1924         | Active       |                   |   |             |
| T 54            | Specific Viscosity   | Engler Specific Viscosity of Tar Products  | 1924         | Discontinued | 1983              | Lack of use                               |             |
| T 55            | Water in Petroleum Products and Other Bituminous Materials                               | Water in Petroleum Products and Bituminous Materials by Distillation                     | 1924         | Discontinued | 2011              | Replaced by ASTM D95                      |             |
| T 56            | Percentage of Residue of Desired Penetration   | Residue of Specified Penetration   | 1924         | Discontinued | 1976              | Lack of use                               |             |
| T 57            | Calcium-Chloride Method for Determination of Percentage of Water in Bituminous Emulsions | Calcium-Chloride Method for Determination of Percentage of Water in Bituminous Emulsions | 1924         | Discontinued | 1935              |   |             |
| T 58            | Examination of Bituminous Mixtures (Centrifugal Method)                                  | Determination of the Percentage of Bitumen in Bituminous Mixtures                        | 1924         | Discontinued | 1957              |   |             |
| T 59            | Bituminous Emulsions   | Emulsified Asphalts  | 1928         | Active       |                   |   |             |
| T 60            | Methods of Sampling and Analysis of Creosote Oil   | Sampling and Testing Wood Preservatives  | 1924         | Discontinued | 1997              | Lack of use                               |             |
| T 61            | Coke Residue of Creosote Oil   | Coke Residue of Creosote   | 1927         | Discontinued | 1997              | Lack of use                               |             |
| T 62            | Distillation of Creosote Oil   | Distillation of Creosote and Creosote-Coal Tar Solutions                                 | 1924         | Discontinued | 2006              | Replaced by ASTM D246                     |             |
| T 63            | Wood Block   | Sampling and Testing Wood Block  | 1924         | Discontinued | 1942              |   |             |
| T 64            | Method of Test and Inspection of Corrugated Metal Culvert                                | Test and Inspection of Corrugated Metal Culvert  | 1924         | Discontinued | 1942              |   |             |
| T 65            | Methods of Determining Weight of Coating on Zinc-Coated Articles                         | Weight of Coating on Zinc-Coated (Galvanized) Iron or Steel Articles                     | 1928         | Converted    | 1997              | Replaced by dual-unit standard T 65M/T 65 |             |
| T 65M/T 65      | Mass of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings              | Mass [Weight] of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings     | 1995         | Active       |                   |   |             |



| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)            | Other Notes |
|-----------------|--|--|--------------|--------------|-------------------|---|-------------|
| T 66            | Uniformity of Galvanizing or Spelter Coating on Wire                               | Uniformity of Coating by the Preece Test (Copper Sulfate Dip) on Zinc-Coated (Galvanized) Iron or Steel Articles | 1924         | Discontinued | 1972              | Lack of Use                               |             |
| T 67            | Verification of Testing Machines   | Standard Practices for Force Verification of Testing Machines  | 1928         | Discontinued | 2009              | Replaced by ASTM E4                       |             |
| T 68            | Tension Testing of Metallic Materials  | Tension Testing of Metallic Materials  | 1924         | Converted    | 2009              | Replaced by dual-unit standard T 68M/T 68 |             |
| T 68M/T 68      | Tension Testing of Metallic Materials  | Tension Testing of Metallic Materials  | 2009         | Discontinued | 2010              | Replaced by ASTM E8                       |             |
| T 69            | Methods of Compression Testing of Metallic Materials                               | Compression Testing of Metallic Materials at Room Temperature  | 1924         | Discontinued | 1978              |   |             |
| T 70            | Brinell Hardness Testing of Metallic Materials                                     | Brinell Hardness of Metallic Materials   | 1935         | Discontinued | 2009              | Replaced by ASTM E10                      |             |
| T 71            | Sand to be Used as Fine Aggregate in Concrete                                      | Effect of Organic Impurities in Fine Aggregate on Strength of Mortar   | 1930         | Active       |                   |   |             |
| T 72            | Viscosity of Petroleum Products and Lubricants                                     | Saybolt Viscosity  | 1931         | Active       |                   |   |             |
| T 73            | Flash Point by Means of the Pensky-Martens Closed Tester                           | Flash Point by Pensky-Martens Closed Cup Tester  | 1931         | Discontinued | 2004              | Lack of use                               |             |
| T 74            | Specific Gravity, 38/15.5°C, of Creosote Fractions                                 | Specific Gravity of Creosote Fractions and Residue   | 1931         | Discontinued | 1997              | Lack of use                               |             |
| T 75            | Soundness of Fine Aggregates by the Use of Sodium Sulphate or Magnesium Sulphate   | Soundness of Fine Aggregates by the Use of Sodium Sulphate or Magnesium Sulphate                                 | 1934         | Discontinued | 1938              |   |             |
| T 76            | Soundness of Coarse Aggregates by the Use of Sodium Sulphate or Magnesium Sulphate | Soundness of Coarse Aggregates by the Use of Sodium Sulphate or Magnesium Sulphate                               | 1934         | Discontinued | 1938              |   |             |
| T 77            | Sampling and Testing Premolded Asphalt Plank                                       | Sampling and Testing Premolded Asphalt Plank   | 1935         | Discontinued | 1978              |   |             |
| T 78            | Separation of Liquid Asphaltic Products  | Distillation of Cutback Asphalt Products   | 1935         | Active       |                   |   |             |

| Standard Number | Original Title   | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known) | Other Notes |
|-----------------|--|---|--------------|--------------|-------------------|--------------------------------|-------------|
| T 79            | Flash Point with Tagllabue Open Cup (For Use with Materials Having a Flash Point of Less than 175°F)                           | Flash Point with Tag Open-Cup Apparatus for Use with Material Having a Flash Point Less Than 93°C (200°F) | 1935         | Active       |                   |                                |             |
| T 80            | Rockwell Hardness Testing of Metallic Materials  | Rockwell Hardness and Rockwell Superficial Hardness of Metallic Materials                                 | 1935         | Discontinued | 2009              | Replaced by ASTM E18           |             |
| T 81            | Insoluble Matter in Creosote Oil   | Xylene-Insoluble Matter in Creosote   | 1935         | Discontinued | 1997              | Lack of use                    |             |
| T 82            | Specific Gravity of Creosote Oil   | Specific Gravity of Creosote and Oil-Type Preservatives   | 1935         | Discontinued | 1997              | Lack of use                    |             |
| T 83            | Water in Creosote Oil  | Dehydration of Oil-Type Preservatives   | 1935         | Discontinued | 1997              | Lack of use                    |             |
| T 84            | Specific Gravity and Absorption of Fine Aggregate  | Specific Gravity and Absorption of Fine Aggregate   | 1935         | Active       |                   |                                |             |
| T 85            | Specific Gravity and Absorption of Coarse Aggregate  | Specific Gravity and Absorption of Coarse Aggregate   | 1935         | Active       |                   |                                |             |
| T 86            | Surveying and Sampling Soils for Use in Place as Subgrades for Highways  | Investigating and Sampling Soils and Rock for Engineering Purposes  | 1934         | Renumbered   | 1993              | Revised and renumbered as R 13 |             |
| T 87            | Preparing Soil Samples as Received from the Field for Mechanical Analysis and the Determination of the Subgrade Soil Constants | Dry Preparation of Disturbed Soil and Soil-Aggregate Samples for Test                                     | 1934         | Renumbered   | 2011              | Revised and renumbered as R 58 |             |
| T 88            | Mechanical Analysis of Soils   | Particle Size Analysis of Soils   | 1933         | Active       |                   |                                |             |
| T 89            | Determining the Liquid Limit of Soils  | Determining the Liquid Limit of Soils   | 1933         | Active       |                   |                                |             |
| T 90            | Determining the Plastic Limit of Soils   | Determining the Plastic Limit and Plasticity Index of Soils   | 1934         | Active       |                   |                                |             |
| T 91            | Determining the Plasticity Index of Soils  | Calculating the Plasticity Index of Soils   | 1934         | Discontinued | 1962              |                                |             |
| T 92            | Determining the Shrinkage Factors of Soils   | Determining the Shrinkage Factors of Soils  | 1934         | Discontinued | 2011              | Lack of use                    |             |
| T 93            | Determining the Field Moisture Equivalent of Soils   | Determining the Field Moisture Equivalent of Soils  | 1934         | Discontinued | 2000              |                                |             |
| T 94            | Determining the Centrifuge Moisture Equivalent of Soils  | Centrifuge Moisture Equivalent of Soils   | 1934         | Discontinued | 1962              |                                |             |

| Standard Number | Original Title  | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes  |
|-----------------|---|---|--------------|--------------|-------------------|---|--|
| T 95            | Determining the Weight of Coating on Zinc-Coated Corrugated Culvert Pipes             | Determining Weight of Coating on Zinc-Coated Corrugated Culvert Pipes                         | 1933         | Discontinued | 1942              |   |  |
| T 96            | Abrasion of Coarse Aggregate by the Use of the Los Angeles Testing Machine            | Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the        | 1937         | Active       |                   |   |  |
| T 97            | Making Flexure Tests of Concrete, Using a Simple Beam with Third Point Loading        | Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)                    | 1937         | Active       |                   |   |  |
| T 98M/T 98      | Fineness of Portland Cement by Means of the Turbidimeter                              | Fineness of Portland Cement by the Turbidimeter   | 1937         | Active       |                   |   | Standard number changed to dual units to match content 2017. |
| T 99            | Compaction and Density of Soil  | Moisture–Density Relations of Soils Using a 2.5-kg (5.5-lb) Rammer and a 305-mm (12-in.) Drop | 1938         | Active       |                   |   |  |
| T 100           | Specific Gravity of Soil  | Specific Gravity of Soils   | 1938         | Active       |                   |   |  |
| T 101           | Determining Swell of Bituminous Mixtures  | Determining Swell Characteristics of Aggregates When Mixed with Bituminous Materials          | 1938         | Discontinued | 1970              |   |  |
| T 102           | Asphaltic Materials by Oliensis Spot  | Spot Test of Asphaltic Materials  | 1938         | Active       |                   |   |  |
| T 103           | Soundness of Aggregates by Freezing and Thawing                                       | Soundness of Aggregates by Freezing and Thawing   | 1938         | Active       |                   |   |  |
| T 104           | Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate                 | Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate                          | 1938         | Active       |                   |   |  |
| T 105           | Chemical Analysis of Portland Cement  | Chemical Analysis of Hydraulic Cement   | 1942         | Active       |                   |   |  |
| T 106           | Compressive Strength of Portland Cement Mortars                                       | Compressive Strength of Hydraulic Cement Mortar (Using 50-mm or 2-in. Cube Specimens)         | 1942         | Converted    | 2004              | Replaced by dual-unit standard T 106M/T 106 |  |
| T 106M/T 106    | Compressive Strength of Hydraulic Cement Mortar (Using 50-mm or 2-in. Cube Specimens) | Compressive Strength of Hydraulic Cement Mortar (Using 50-mm or 2-in. Cube Specimens)         | 2004         | Active       |                   |   |  |
| T 107           | Autoclave Expansion of Portland Cement  | Autoclave Expansion of Hydraulic Cement   | 1942         | Converted    | 2011              | Replaced by dual-unit standard T 107M/T 107 |  |

| Standard Number | Original Title  | Current/Final Title                                       | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes  |
|-----------------|---|---|--------------|--------------|-------------------|---|--|
| T 107M/ T107    | Autoclave Expansion of Hydraulic Cement                                     | Autoclave Expansion of Hydraulic Cement                   | 2011         | Active       |                   |   |  |
| T 108           | Sulfonation Index of Road Tar   | Sulfonation Index of Road Tars                            | 1942         | Discontinued | 1978              | Replaced by ASTM D872                       |  |
| T 109           | Settlement Ratio of Mineral Matter in Bituminous Filler                     | Settlement Ratio of Mineral Matter in Bituminous Filler   | 1942         | Discontinued | 1978              |   |  |
| T 110           | Determination of Moisture or Volatile Distillates in Bituminous Mixtures    | Moisture or Volatile Distillates in Hot Mix Asphalt (HMA) | 1942         | Active       |                   |   |  |
| T 111           | Inorganic Matter or Ash   | Mineral Matter or Ash in Asphalt Materials                | 1942         | Active       |                   |   |  |
| T 112           | Clay Lumps in Aggregate   | Clay Lumps and Friable Particles in Aggregate             | 1942         | Active       |                   |   |  |
| T 113           | Coal and Lignite in Sand  | Lightweight Pieces in Aggregate                           | 1942         | Active       |                   |   |  |
| T 114           | [Title unknown—Never printed]   |   |              | Unused       |                   |   | This number was likely used for a standard that was proposed but not adopted in the 1940s. No record of its content remains. |
| T 115           | Distillation of Gasoline, Naphtha, Kerosene, and Similar Petroleum Products | Distillation of Petroleum Products                        | 1942         | Discontinued | 1999              |   |  |
| T 116           | Determination of Volume Change of Soils                                     | Determination of Volume Change of Soils                   | 1942         | Discontinued | 1971              |   |  |
| T 117           | [Title unknown—Never printed]   |   |              | Unused       |                   |   | This number was likely used for a standard that was proposed but not adopted in the 1940s. No record of its content remains. |
| T 118           | Bend Testing for Ductility of Metals  | Free Bend Test for Ductility of Welds                     | 1942         | Discontinued | 1978              |   |  |
| T 119           | Slump Test for Consistency of Portland-Cement Concrete                      | Slump of Hydraulic Cement Concrete                        | 1942         | Converted    | 2005              | Replaced by dual-unit standard T 119M/T 119 |  |
| T 119M/T 119    | Slump of Hydraulic Cement Concrete  | Slump of Hydraulic Cement Concrete                        | 2995         | Active       |                   |   |  |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes  |
|-----------------|--|--|--------------|--------------|-------------------|---|--|
| T 120           | Flow of Portland-Cement Concrete by Use of the Flow Table  | Flow of Portland Cement Concrete by Use of the Flow Table  | 1942         | Discontinued | 1977              | Lack of use                                 |  |
| T 121           | Yield of Concrete  | Mass per Cubic Meter (Cubic Foot), Yield, and Air Content (Gravimetric) of Concrete  | 1942         | Converted    | 2005              | Replaced by dual-unit standard T 121M/T 121 |  |
| T 121M/T 121    | Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete  | Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete  | 2005         | Active       |                   |   |  |
| T 122           | Modified Miscibility and Cement Mixing of Emulsified Asphalts  | Modified Miscibility and Cement Mixing of Emulsified Asphalts  | 1942         | Discontinued | 1947              |   |  |
| T 123           | Chemical Analysis of Portland Cement (Free Calcium Oxide; Rapid Methods for Silicon Dioxide, Calcium Oxide, and Magnesium Oxide) | Chemical Analysis of Portland Cement (Free Calcium Oxide; Rapid Methods for Silicon Dioxide, Calcium Oxide, and Magnesium Oxide) | 1942         | Discontinued | 1947              |   |  |
| T 124           | Rockwell Superficial Hardness of Metallic Materials  | Rockwell Superficial Hardness of Metallic Materials  | 1942         | Discontinued | 1947              |   |  |
| T 125           | [Title unknown—Never printed]  |  |              | Unpublished  |                   |   | This number was likely used for a standard that was proposed but not adopted in the 1940s. No record of its content remains. |
| T 126           | Making and Curing Concrete Compression and Flexure Test Specimens in the Laboratory  | Making and Curing Concrete Test Specimens in the Laboratory  | 1945         | Renumbered   | 2005              | Revised and renumbered as R 39              |  |
| T 127           | Sampling Hydraulic Cement  | Sampling and Amount of Testing of Hydraulic Cement   | 1946         | Renumbered   | 2016              | Revised and renumbered as R 71              |  |
| T 128           | Fineness of Hydraulic Cement by the No. 200 Sieve  | Fineness of Hydraulic Cement by the 150- $\mu$ m (No. 100) and 75- $\mu$ m (No. 200) Sieves                                      | 1945         | Discontinued | 2006              | Lack of use                                 |  |
| T 129           | Normal Consistency of Hydraulic Cement   | Amount of Water Required for Normal Consistency of Hydraulic Cement  | 1945         | Active       |                   |   |  |

| Standard Number | Original Title   | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known) | Other Notes |
|-----------------|--|---|--------------|--------------|-------------------|--------------------------------|-------------|
| T 130           | Soundness of Hydraulic Cement over Boiling Water (Pat Test)                                      | Soundness of Hydraulic Cement over Boiling Water (Pat Test)                 | 1945         | Discontinued | 1958              |                                |             |
| T 131           | Time of Setting of Hydraulic Cement by the Vicat or Gillmore Needles                             | Time of Setting of Hydraulic Cement by Vicat Needle                         | 1945         | Active       |                   |                                |             |
| T 132           | Tensile Strength of Hydraulic-Cement Mortars   | Tensile Strength of Hydraulic Cement Mortars                                | 1945         | Active       |                   |                                |             |
| T 133           | Specific Gravity of Hydraulic Cement   | Density of Hydraulic Cement   | 1945         | Active       |                   |                                |             |
| T 134           | Moisture-Density Relations of Soil-Cement Mixtures   | Moisture-Density Relations of Soil-Cement Mixtures                          | 1945         | Active       |                   |                                |             |
| T 135           | Wetting-and-Drying Test of Compacted Soil-Cement Mixtures  | Wetting-and-Drying Test of Compacted Soil-Cement Mixtures                   | 1945         | Active       |                   |                                |             |
| T 136           | Freezing-and-Thawing Test of Compacted Soil-Cement Mixtures                                      | Freezing-and-Thawing Tests of Compacted Soil-Cement Mixtures                | 1945         | Active       |                   |                                |             |
| T 137           | Air Content of Portland-Cement Mortar  | Air Content of Hydraulic Cement Mortar                                      | 1946         | Active       |                   |                                |             |
| T 138           | Bursting Strength of Paper   | Bursting Strength of Paper  | 1948         | Discontinued | 1978              |                                |             |
| T 139           | Tensile Breaking Strength of Paper and Paper Products  | Tensile Breaking Strength of Paper and Paperboard                           | 1948         | Discontinued | 1978              |                                |             |
| T 140           | Compressive Strength of Concrete Using Portions of Beams Broken in Flexure: Modified Cube Method | Compressive Strength of Concrete Using Portions of Beams Broken in Flexure  | 1949         | Active       |                   |                                |             |
| T 141           | Sampling Fresh Concrete  | Sampling Freshly Mixed Concrete   | 1949         | Renumbered   | 2012              | Revised and renumbered as R 60 |             |
| T 142           | Surface Moisture in Fine Aggregates  | Surface Moisture in Fine Aggregate  | 1949         | Discontinued | 1993              | Lack of use                    |             |
| T 143           | Sampling and Testing Calcium Chloride  | Sampling and Testing Calcium Chloride for Roads and Structural Applications | 1949         | Active       |                   |                                |             |
| T 144           | Cement Content of Soil-Cement Mixtures   | Cement Content of Soil-Cement Mixture                                       | 1949         | Discontinued | 2000              |                                |             |
| T 145           | Determining the Center of Volume of Soil Hydrometers   | Determining the Center of Volume of Soil Hydrometers                        | 1949         | Discontinued | 1971              |                                |             |
| T 146           | Wet Preparation of Disturbed Soil Samples for Test   | Wet Preparation of Disturbed Soil Samples for Test                          | 1949         | Discontinued | 2016              | Reclassified as R 74           |             |

| Standard Number | Original Title  | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)                    | Other Notes |
|-----------------|---|--|--------------|--------------|-------------------|---|-------------|
| T 147           | The Field Determination of Density of Soil In-Place   | The Field Determination of Density of Soil In-Place                            | 1949         | Discontinued | 1970              | Replaced by T 191, T 204, T 205, T 214, and T 233 |             |
| T 148           | Measuring Length of Drilled Concrete Cores  | Measuring Length of Drilled Concrete Cores                                     | 1949         | Active       |                   |   |             |
| T 149           | Percentage of Particles of Less than 1.95 Specific Gravity in Sand  | Percentage of Particles of Less than 1.95 Specific Gravity in Sand             | 1949         | Discontinued | 1961              |   |             |
| T 150           | Percentage of Particles of Less than 1.95 Specific Gravity in Coarse Aggregate                                      | Percentage of Particles of Less than 1.95 Specific Gravity in Coarse Aggregate | 1949         | Discontinued | 1978              |   |             |
| T 151           | Testing Drying Oils   | Testing Drying Oils  | 1949         | Discontinued | 2006              | Obsolete  |             |
| T 152           | Air Content of Freshly Mixed Concrete by the Pressure Method  | Air Content of Freshly Mixed Concrete by the Pressure Method                   | 1953         | Active       |                   |   |             |
| T 153           | Fineness of Portland Cement by Air Permeability Apparatus   | Fineness of Hydraulic Cement by Air Permeability Apparatus                     | 1952         | Active       |                   |   |             |
| T 154           | Time of Setting Hydraulic Cement by Gillmore Needles  | Time of Setting of Hydraulic Cement Paste by Gillmore Needles                  | 1952         | Active       |                   |   |             |
| T 155           | Water Retention Efficiency of Liquid Membrane-Forming Compounds and Impermeable Sheet Materials for Curing Concrete | Water Retention by Liquid Membrane-Forming Curing Compounds for Concrete       | 1954         | Active       |                   |   |             |
| T 156           | Calcium Sulfate in Hydrated Portland Cement Mortar  | Calcium Sulfate in Hydrated Portland Cement Mortar                             | 1953         | Discontinued | 1957              |   |             |
| T 157           | Air-Entraining Admixtures for Concrete  | Air-Entraining Admixtures for Concrete   | 1953         | Active       |                   |   |             |
| T 158           | Bleeding of Concrete  | Bleeding of Concrete   | 1954         | Active       |                   |   |             |
| T 159           | Comparing Concrete on the Basis of the Bond Developed with Reinforcing Steel  | Comparing Concrete on the Basis of the Bond Developed with Reinforcing Steel   | 1953         | Discontinued | 2002              |   |             |
| T 160           | Volume Change of Cement Mortar and Concrete   | Length Change of Hardened Hydraulic Cement Mortar and Concrete                 | 1953         | Active       |                   |   |             |
| T 161           | Resistance of Concrete Specimens to Rapid Freezing and Thawing in Water   | Resistance of Concrete to Rapid Freezing and Thawing                           | 1953         | Active       |                   |   |             |

| Standard Number | Original Title  | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known) | Other Notes |
|-----------------|---|--|--------------|--------------|-------------------|--------------------------------|-------------|
| T 162           | Mechanical Mixing of Hydraulic Cement Mortars of Plastic Consistency                            | Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency                          | 1954         | Active       |                   |                                |             |
| T 163           | Wet Tensile Breaking Strength of Paper and Paper Products                                       | Wet Tensile Breaking Strength of Paper and Paper Products  | 1954         | Discontinued | 1978              |                                |             |
| T 164           | Bitumen Content of Paving Mixtures by Centrifuge  | Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)                                     | 1955         | Active       |                   |                                |             |
| T 165           | Effect of Water on Cohesion of Compacted Bituminous Mixtures                                    | Effect of Water on Compressive Strength of Compacted Bituminous Mixtures                                 | 1955         | Discontinued | 2010              | Replaced by ASTM D1075         |             |
| T 166           | Specific Gravity of Compressed Bituminous Mixtures  | Bulk Specific Gravity (Gmb) of Compacted Asphalt Mixtures Using Saturated Surface-Dry Specimens          | 1955         | Active       |                   |                                |             |
| T 167           | Compressive Strength of Bituminous Mixtures   | Compressive Strength of Hot-Mix Asphalt  | 1955         | Active       |                   |                                |             |
| T 168           | Sampling Bituminous Paving Mixtures   | Sampling Bituminous Paving Mixtures  | 1955         | Active       |                   |                                |             |
| T 169           | Resistance to Plastic Flow of Fine-Aggregate Bituminous Mixtures                                | Resistance to Plastic Flow of Fine-Aggregate Bituminous Mixtures by Means of the Hubbard-Field Apparatus | 1955         | Discontinued | 1973              | Lack of use                    |             |
| T 170           | Hot Extraction of Asphaltic Materials and Recovery of Bitumen by the Modified Abson Procedure   | Recovery of Asphalt Binder from Solution by Abson Method   | 1955         | Renumbered   | 2011              | Revised and renumbered as R 59 |             |
| T 171           | Coarse Particles in Mixtures of Asphalt and Mineral Matter                                      | Coarse Particles in Mixtures of Asphalt and Mineral Matter   | 1955         | Discontinued | 1970              |                                |             |
| T 172           | Bituminous Mixing Plant Inspection  | Bituminous Mixing Plant Inspection   | 1955         | Discontinued | 2000              | Replaced by ASTM D290          |             |
| T 173           | Compaction of Soils and Soil Admixtures for the Expansion Pressure and Hveem Stabilometer Tests | Compaction of Soils and Soil Admixtures for the Expansion Pressure and Hveem Stabilometer Tests          | 1956         | Discontinued | 1962              | Replaced by T 190              |             |
| T 174           | Determining the Expansion Pressure of Soils   | The Expansion Pressure of Soils  | 1956         | Discontinued | 1962              | Replaced by T 190              |             |



| Standard Number | Original Title  | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known) | Other Notes |
|-----------------|---|---|--------------|--------------|-------------------|--------------------------------|-------------|
| T 175           | Determining Resistance of Soils to Deformation Using the Hveem Stabilometer                 | Resistance of Soils to Deformation Using the Hveem Stabilometer                               | 1956         | Discontinued | 1962              | Replaced by T 190              |             |
| T 176           | Determining Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test | Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test               | 1956         | Active       |                   |                                |             |
| T 177           | Flexural Strength of concrete (Using Simple Beam with Center-Point Loading)                 | Flexural Strength of Concrete (Using Simple Beam with Center-Point Loading)                   | 1956         | Active       |                   |                                |             |
| T 178           | Cement Content of Hardened Portland Cement Concrete   | Portland-Cement Content of Hardened Hydraulic-Cement Concrete                                 | 1956         | Active       |                   |                                |             |
| T 179           | Determining the Effect of Heat and Air on Asphaltic Materials When Exposed in Thin Films    | Effect of Heat and Air on Asphalt Materials (Thin-Film Oven Test)                             | 1957         | Active       |                   |                                |             |
| T 180           | Moisture-Density Relations of Soils Using a 10-lb Rammer and an 18-in. Drop                 | Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop | 1957         | Active       |                   |                                |             |
| T 181           | In-Place Density of Compacted Base Courses Containing Large Sizes of Coarse Aggregates      | In-Place Density of Compacted Base Courses Containing Large Sizes of Coarse Aggregates        | 1960         | Discontinued | 1973              | Lack of use                    |             |
| T 182           | Stripping Test for Bitumen-Aggregate Mixtures   | Coating and Stripping of Bitumen-Aggregate Mixtures   | 1958         | Discontinued | 2007              | Obsolete                       |             |
| T 183           | Ball Penetration in Fresh Portland Cement Concrete  | Flow of Portland-Cement Concrete by Use of the Flow Table                                     | 1958         | Discontinued | 1977              | Lack of use                    |             |
| T 184           | Bitumen Content of Paving Mixtures by Reflux Extractor                                      | Bitumen Content of Paving Mixtures by Reflux Extractor  | 1960         | Discontinued | 1966              |                                |             |
| T 185           | False Set of Portland Cement  | Early Stiffening of Hydraulic Cement (Mortar Method)  | 1960         | Active       |                   |                                |             |
| T 186           | Early Stiffening of Hydraulic Cement Paste  | Early Stiffening of Hydraulic Cement (Paste Method)   | 1960         | Active       |                   |                                |             |
| T 187           | Concrete Joint Sealers  | Concrete Joint Sealers  | 1960         | Discontinued | 1998              |                                |             |
| T 188           | Evaluation by Freezing and Thawing of Air-Entraining Additions to Portland Cement           | Evaluation by Freezing and Thawing of Air-Entraining Additions to Hydraulic Cement            | 1960         | Active       |                   |                                |             |
| T 189           | Scratch Hardness of Coarse Aggregate Particles  | Scratch Hardness of Coarse Aggregate Particles  | 1960         | Discontinued | 1983              | Lack of use                    |             |

| Standard Number | Original Title   | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes |
|-----------------|--|---|--------------|--------------|-------------------|---|-------------|
| T 190           | Determination of Expansion Pressure and Resistance Value of Soils and Soil Mixtures                  | Resistance R-Value and Expansion Pressure of Compacted Soils    | 1961         | Active       |                   |   |             |
| T 191           | Density of Soil in Place by the Sand-Cone Method   | Density of Soil In-Place by the Sand-Cone Method                | 1961         | Active       |                   |   |             |
| T 192           | Fineness of Hydraulic Cement by the No. 325 Sieve  | Fineness of Hydraulic Cement by the 45- $\mu$ m (No. 325) Sieve | 1961         | Active       |                   |   |             |
| T 193           | The California Bearing Ratio   | The California Bearing Ratio                                    | 1963         | Active       |                   |   |             |
| T 194           | Determination of Organic Matter in Soils by Wet Combustion   | Determination of Organic Matter in Soils by Wet Combustion      | 1963         | Active       |                   |   |             |
| T 195           | Ross Count Determination of Coated Particles in Bituminous Mixtures                                  | Determining Degree of Particle Coating of Asphalt Mixtures      | 1963         | Active       |                   |   |             |
| T 196           | Air Content of Freshly Mixed Concrete by the Volumetric Method                                       | Air Content of Freshly Mixed Concrete by the Volumetric Method  | 1963         | Discontinued | 2005              | Replaced by dual-unit standard T 196M/T 196 |             |
| T 196M/T 196    | Air Content of Freshly Mixed Concrete by the Volumetric Method                                       | Air Content of Freshly Mixed Concrete by the Volumetric Method  | 2005         | Active       |                   |   |             |
| T 197           | Time of Setting of Concrete Mixtures by Penetration Resistance                                       | Time of Setting of Concrete Mixtures by Penetration Resistance  | 1963         | Discontinued | 2005              | Replaced by dual-unit standard T 197M/T 197 |             |
| T 197M/T 197    | Time of Setting of Concrete Mixtures by Penetration Resistance                                       | Time of Setting of Concrete Mixtures by Penetration Resistance  | 2005         | Active       |                   |   |             |
| T 198           | Joints for Circular Concrete Sewer and Culvert Pipe, Using Flexible, Watertight, Rubber-Type Gaskets | Splitting Tensile Strength of Cylindrical Concrete Specimens    | 1963         | Active       |                   |   |             |
| T 199           | Air Content of Freshly Mixed Concrete by the Chace Indicator   | Air Content of Freshly Mixed Concrete by the Chace Indicator    | 1963         | Discontinued | 2011              | Lack of use                                 |             |
| T 200           | Determination of pH of Aqueous Solutions with the Glass Electrode                                    | pH of Aqueous Solutions with the Glass Electrode                | 1963         | Discontinued | 2011              | Replaced by ASTM E70                        |             |
| T 201           | Kinematic Viscosity of Asphalts  | Kinematic Viscosity of Asphalts (Bitumens)                      | 1963         | Active       |                   |   |             |
| T 202           | Absolute Viscosity of Asphalts   | Viscosity of Asphalts by Vacuum Capillary Viscometer            | 1963         | Active       |                   |   |             |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes |
|-----------------|--|--|--------------|--------------|-------------------|---|-------------|
| T 203           | Soil Investigation and Sampling by Auger Borings                                       | Soil Investigation and Sampling by Auger Borings                                       | 1964         | Discontinued | 1998              | Replaced by ASTM D1452                      |             |
| T 204           | Density of Soil in Place by the Drive Cylinder Method                                  | Density of Soil In-Place by the Drive Cylinder Method                                  | 1964         | Discontinued | 2000              | Replaced by ASTM D2937                      |             |
| T 205           | Density of Soil in Place by the Rubber-Balloon Method                                  | Density of Soil In-Place by the Rubber-Balloon Method                                  | 1964         | Discontinued | 2000              | Replaced by ASTM D2167                      |             |
| T 206           | Penetration Test and Split-Barrel Sampling of Soils                                    | Penetration Test and Split-Barrel Sampling of Soils                                    | 1964         | Active       |                   |   |             |
| T 207           | Thin-Walled Tube Sampling of Soils   | Thin-Walled Tube Sampling of Soils   | 1964         | Active       |                   |   |             |
| T 208           | Unconfined Compressive Strength of Cohesive Soil                                       | Unconfined Compressive Strength of Cohesive Soil                                       | 1964         | Active       |                   |   |             |
| T 209           | Maximum Specific Gravity of Bituminous Paving Mixtures                                 | Theoretical Maximum Specific Gravity (Gmm) and Density of Hot Mix Asphalt (HMA)        | 1964         | Active       |                   |   |             |
| T 210           | Production of Plastic Fines in Aggregates  | Aggregate Durability Index   | 1965         | Active       |                   |   |             |
| T 211           | Determination of Cement Content in Cement Treated Aggregate by the Method of Titration | Determination of Cement Content in Cement-Treated Aggregate by the Method of Titration | 1965         | Active       |                   |   |             |
| T 212           | Determination of Triaxial Classification of Base Materials, Soils, and Soil Mixtures   | Determination of Triaxial Classification of Base Materials, Soils, and Soil Mixtures   | 1965         | Discontinued | 1974              |   |             |
| T 213           | Weight of Coating on Aluminum-Coated Iron or Steel Articles                            | Weight of Coating on Aluminum-Coated Iron or Steel Articles                            | 1965         | Discontinued | 1998              | Replaced by dual-unit standard T 213M/T 213 |             |
| T 213M/T 213    | Mass [Weight] of Coating on Aluminum-Coated Iron or Steel Articles                     | Mass [Weight] of Coating on Aluminum-Coated Iron or Steel Articles                     | 1997         | Active       |                   |   |             |
| T 214           | Field Determination of Density of Soil in Place by the Oil Method                      | Field Determination of Density of Soil in Place by the Oil Method                      | 1966         | Discontinued | 1978              |   |             |
| T 215           | Permeability of Granular Soils (Constant Head)   | Permeability of Granular Soils (Constant Head)   | 1966         | Active       |                   |   |             |
| T 216           | One-Dimensional Consolidation Properties of Soils                                      | One-Dimensional Consolidation Properties of Soils                                      | 1966         | Active       |                   |   |             |

| Standard Number | Original Title  | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)               | Other Notes |
|-----------------|---|--|--------------|--------------|-------------------|--|-------------|
| T 217           | Determination of Moisture in Soils by Means of a Calcium Carbide Gas Pressure Meter   | Determination of Moisture in Soils by Means of a Calcium Carbide Gas Pressure Moisture Tester  | 1967         | Active       |                   |  |             |
| T 218           | Sampling Hydrated Lime  | Sampling Hydrated Lime   | 1966         | Active       |                   |  |             |
| T 219           | Chemical Constituents and Particle Sizes  | Testing Lime for Chemical Constituents and Particle Sizes  | 1966         | Active       |                   |  |             |
| T 220           | Determination of the Strength of Soil-Lime Mixtures   | Determination of the Strength of Soil-Lime Mixtures  | 1966         | Active       |                   |  |             |
| T 221           | Repetitive Static Plate Load Tests of Soils and Flexible Pavement Components, for Use in Evaluation and Design of Airport and Highway Pavements   | Repetitive Static Plate Load Tests of Soils and Flexible Pavement Components for Use in Evaluation and Design of Airport and Highway Pavements   | 1966         | Active       |                   |  |             |
| T 222           | Nonrepetitive Static Plate Load Test of Soils and Flexible Pavement Components, for Use in Evaluation and Design of Airport and Highway Pavements | Nonrepetitive Static Plate Load Test of Soils and Flexible Pavement Components for Use in Evaluation and Design of Airport and Highway Pavements | 1966         | Active       |                   |  |             |
| T 223           | Field Vane Shear Test in Cohesive Soil  | Field Vane Shear Test in Cohesive Soil   | 1967         | Active       |                   |  |             |
| T 224           | Correction for Coarse Particles in the Soil Compaction Test   | Correction for Coarse Particles in the Soil Compaction Test  | 1967         | Discontinued | 2015              | Lack of use (ASTM D4718 can be used instead) |             |
| T 225           | Diamond Core Drilling for Site Investigation  | Diamond Core Drilling for Site Investigation   | 1968         | Active       |                   |  |             |
| T 226           | Triaxial Compressive Strength of Undrained Rock Core Specimens without Pore Pressure Measurements   | Triaxial Compressive Strength of Undrained Rock Core Specimens without Pore Pressure Measurements  | 1968         | Active       |                   |  |             |
| T 227           | Density, Specific Gravity, or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method                                   | Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method               | 1968         | Discontinued | 2011              | Replaced by ASTM D1298                       |             |

| Standard Number | Original Title   | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known) | Other Notes   |
|-----------------|--|---|--------------|--------------|-------------------|--------------------------------|---|
| T 228           | Specific Gravity of Road Oils, Road Tars, Asphalt Cements, and Soft Tar Pitches                  | Specific Gravity of Semi-Solid Asphalt Materials  | 1968         | Active       |                   |                                |   |
| T 229           | Specific Gravity of Asphalts and Tar Pitches Sufficiently Solid to Be Handled in Fragments       | Density of Solid Pitch and Asphalt (Displacement Method)                                | 1968         | Discontinued | 2004              | Lack of use                    |   |
| T 230           | Determining Degree of Pavement Compaction of Bituminous Aggregate Mixtures                       | Determining Degree of Pavement Compaction of Bituminous-Aggregate Mixtures              | 1968         | Discontinued | 2005              | Lack of use                    |   |
| T 231           | Capping Cylindrical Concrete Specimens   | Capping Cylindrical Concrete Specimens  | 1968         | Active       |                   |                                |   |
| T 232           | Determination of Lime Content in Lime-Treated Soils by Titration                                 | Determination of Lime Content in Lime-Treated Soils by Titration                        | 1970         | Active       |                   |                                |   |
| T 233           | Density of Soil-in-Place by Block, Chunk, or Core Sampling                                       | Density of Soil In-Place by Block, Chunk, or Core Sampling                              | 1970         | Active       |                   |                                | Discontinued in 2001; readopted in 2002                           |
| T 234           | Strength Parameters of Soils by Triaxial Compression   | Strength Parameters of Soils by Triaxial Compression                                    | 1970         | Discontinued | 1992              |                                | Lack of use   |
| T 235           | Bearing Capacity of Soil for Static Load on Spread Footings                                      | Bearing Capacity of Soil for Static Load on Spread Footings                             | 1972         | Discontinued | 2009              | Replaced by ASTM D1194         | Discontinued in 2006; reinstated 2007; discontinued again in 2009 |
| T 236           | Direct Shear Test of Soils under Consolidated Drained Conditions                                 | Direct Shear Test of Soils under Consolidated Drained Conditions                        | 1972         | Active       |                   |                                |   |
| T 237           | Epoxy Resin Adhesive   | Testing Epoxy Resin Adhesive  | 1973         | Active       |                   |                                |   |
| T 238           | Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth)                   | Density of Soil and Soil-Aggregate In-Place by Nuclear Methods (Shallow Depth)          | 1973         | Discontinued | 2000              | Replaced by T 310              |   |
| T 239           | Moisture Content of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth)          | Moisture Content of Soil and Soil-Aggregate In-Place by Nuclear Methods (Shallow Depth) | 1973         | Discontinued | 2000              | Replaced by T 310              |   |
| T 240           | Determining the Effect of Heat and Air on a Moving Film of Asphalt (Rolling Thin Film Oven Test) | Effect of Heat and Air on a Moving Film of Asphalt Binder (Rolling Thin-Film Oven Test) | 1973         | Active       |                   |                                |   |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)              | Other Notes   |
|-----------------|--|--|--------------|--------------|-------------------|---|---|
| T 241           | Helical Continuously Welded Seam Corrugated Steel Pipe   | Helical Continuously Welded Seam Corrugated Steel Pipe   | 1973         | Active       |                   |   |   |
| T 242           | Skid Resistance of Paved Surfaces Using a Full-Scale Tire                                      | Frictional Properties of Paved Surfaces Using a Full-Scale Tire                                  | 1973         | Active       |                   |   |   |
| T 243           | Impact Testing of Structural Steel   | Impact Testing of Structural Steel   | 1974         | Discontinued | 1987              | Replaced by dual-unit standard T 243M/T 243 |   |
| T 243M/T 243    | Sampling Procedure for Impact Testing of Structural Steel                                      | Sampling Procedure for Impact Testing of Structural Steel  | 1987         | Active       |                   |   |   |
| T 244           | Mechanical Testing of Steel Products   | Mechanical Testing of Steel Products   | 1974         | Active       |                   |   |   |
| T 245           | Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus                     | Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus                          | 1974         | Active       |                   |   | Part of this standard was split off as R 68 in 2015 |
| T 246           | Resistance to Deformation and Cohesion of Bituminous Mixtures by Means of Hveem Apparatus      | Resistance to Deformation and Cohesion of Hot Mix Asphalt (HMA) by Means of Hveem Apparatus      | 1974         | Active       |                   |   |   |
| T 247           | Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor | Preparation of Test Specimens of Hot Mix Asphalt (HMA) by Means of California Kneading Compactor | 1974         | Active       |                   |   |   |
| T 248           | Reducing Field Samples of Aggregate to Testing Size  | Reducing Samples of Aggregate to Testing Size  | 1974         | Discontinued | 2016              | Reclassified as R 76                        |   |
| T 249           | Helical Lock Seam Corrugated Pipe  | Helical Lock Seam Corrugated Pipe  | 1974         | Active       |                   |   |   |
| T 250           | Thermoplastic Traffic Line Material  | Thermoplastic Traffic Line Material  | 1974         | Active       |                   |   |   |
| T 251           | Soil Investigation and Sampling by Hollow-Stem Auger Borings                                   | Soil Investigation and Sampling by Hollow-Stem Auger Borings                                     | 1975         | Discontinued | 1998              |   |   |
| T 252           | Measurements of Pore Pressures in Soils  | Measurements of Pore Pressures in Soils  | 1975         | Active       |                   |   |   |
| T 253           | Coated Dowel Bars  | Coated Dowel Bars  | 1975         | Active       |                   |   |   |
| T 254           | Installing, Monitoring, Processing Data of the Slope Inclinator                                | Installing, Monitoring, Processing Data of the Slope Inclinator                                  | 1976         | Renumbered   | 2008              | Revised and renumbered as R 45              |   |

| Standard Number | Original Title  | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known) | Other Notes |
|-----------------|---|--|--------------|--------------|-------------------|--------------------------------|-------------|
| T 255           | Total Moisture Content of Aggregate by Drying                                     | Total Evaporable Moisture Content of Aggregate by Drying                                       | 1976         | Active       |                   |                                |             |
| T 256           | Pavement Deflection Measurements  | Pavement Deflection Measurements   | 1977         | Active       |                   |                                |             |
| T 257           | Sheet Reflective Materials for Traffic Control Signs                              | Instrumental Photometric Measurements of Retroreflective Materials and Retroreflective Devices | 1977         | Active       |                   |                                |             |
| T 258           | Determining Expansive Soils and Remedial Actions                                  | Determining Expansive Soils  | 1978         | Active       |                   |                                |             |
| T 259           | Resistance of Concrete to Chloride Ion Penetration                                | Resistance of Concrete to Chloride Ion Penetration   | 1978         | Active       |                   |                                |             |
| T 260           | Sampling and Testing for Total Chloride Ion in Concrete                           | Sampling and Testing for Chloride Ion in Concrete and  | 1978         | Active       |                   |                                |             |
| T 261           | Measuring Texture Depth of Portland Cement Concrete Using a Tire Tread Depth Gage | Measuring Texture Depth of Portland Cement Concrete Using a Tire Tread Depth Gage              | 1978         | Discontinued | 2004              | Lack of use                    |             |
| T 262           | L10 and Leq Noise Determination   | L10 and Leq Noise Determination  | 1978         | Discontinued | 1995              | Lack of use                    |             |
| T 263           | Chemical, Biological, and Physical Analysis of Water                              | Chemical, Biological, and Physical Analysis of Water   | 1978         | Renumbered   | 1999              | Revised and renumbered as R 23 |             |
| T 264           | Collection and Preservation of Water Samples                                      | Collection and Preservation of Water Samples   | 1978         | Renumbered   | 1999              | Revised and renumbered as R 24 |             |
| T 265           | Laboratory Determination of Moisture Content of Soils                             | Laboratory Determination of Moisture Content of Soils  | 1979         | Active       |                   |                                |             |
| T 266           | Charpy V-Notch Impact Testing of Metallic Materials (CVN)                         | Notched Bar Impact Testing of Metallic Materials (CVN)   | 1979         | Discontinued | 2011              | Replaced by ASTM E23           |             |
| T 267           | Determination of Organic Content in Soils by Loss on Ignition                     | Determination of Organic Content in Soils by Loss of Ignition                                  | 1980         | Active       |                   |                                |             |
| T 268           | Side Force Friction on Paved Surfaces Using the Mu-Meter                          | Side Force Friction on Paved Surfaces Using the Mu-Meter                                       | 1980         | Discontinued | 1997              | Lack of use                    |             |
| T 269           | Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures          | Percent Air Voids in Compacted Dense and Open Asphalt Mixtures                                 | 1980         | Active       |                   |                                |             |
| T 270           | Centrifuge Kerosene Equivalent and Approximate Bitumen Ratio (ABR)                | Centrifuge Kerosene Equivalent and Approximate Bitumen Ratio                                   | 1980         | Discontinued | 2000              | Replaced by ASTM D5148         |             |

| Standard Number | Original Title   | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known) | Other Notes |
|-----------------|--|---|--------------|--------------|-------------------|--------------------------------|-------------|
| T 271           | Density of Plastic and Hardened Portland Cement Concrete in Place by Nuclear Methods     | Density of Plastic and Hardened Portland Cement Concrete In-Place by Nuclear Methods      | 1981         | Discontinued | 2011              |                                |             |
| T 272           | Family of Curves--One Point Method   | One-Point Method for Determining Maximum Dry Density and Optimum Moisture                 | 1982         | Active       |                   |                                |             |
| T 273           | Soil Suction   | Soil Suction  | 1982         | Active       |                   |                                |             |
| T 274           | Resilient Modulus of Subgrade Soils  | Resilient Modulus of Subgrade Soils   | 1982         | Discontinued | 1990              |                                |             |
| T 275           | Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens   | Bulk Specific Gravity (Gmb) of Compacted Asphalt Mixtures Using Paraffin-Coated Specimens | 1983         | Active       |                   |                                |             |
| T 276           | Developing Early Age Compression Test Values and Projecting Later Age Strengths          | Measuring Early-Age Compression Strength and Projecting Later-Age Strength                | 1983         | Active       |                   |                                |             |
| T 277           | Rapid Determination of the Chloride Permeability of Concrete                             | Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration            | 1983         | Active       |                   |                                |             |
| T 278           | Surface Frictional Properties Using the British Pendulum Tester                          | Surface Frictional Properties Using the British Pendulum Tester                           | 1983         | Active       |                   |                                |             |
| T 279           | Accelerated Polishing of Aggregates Using the British Wheel                              | Accelerated Polishing of Aggregates Using the British Wheel                               | 1983         | Active       |                   |                                |             |
| T 280           | Concrete Pipe, Sections, or Tile   | Concrete Pipe, Manhole Sections, or Tile  | 1984         | Active       |                   |                                |             |
| T 281           | Vitrified Clay Pipe  | Vitrified Clay Pipe   | 1984         | Active       |                   |                                |             |
| T 282           | Calibrating a Wheel Force or Torque Transducer Using a Calibration Platform (User Level) | Calibrating a Wheel Force or Torque Transducer Using a Calibration Platform (User Level)  | 1984         | Active       |                   |                                |             |
| T 283           | Resistance of Compacted Bituminous Mixture to Moisture Induced Damage                    | Resistance of Compacted Asphalt Mixtures to Moisture-Induced Damage                       | 1985         | Active       |                   |                                |             |
| T 284           | Emulsified Asphalt/Job Aggregate Cold Mix Test   | Emulsified Asphalt/Job Aggregate Cold Mix Test  | 1986         | Discontinued | 1988              | Lack of use                    |             |
| T 285           | Bend Test for Bars for Concrete Reinforcement  | Bend Test for Bars for Concrete Reinforcement   | 1987         | Active       |                   |                                |             |



| Standard Number | Original Title  | Current/Final Title   | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)      | Other Notes |
|-----------------|---|---|--------------|--------------|-------------------|-------------------------------------|-------------|
| T 286           | Measurement of Vehicular Response to Traveled Surface Roughness                                     | Measurement of Vehicular Response to Traveled Surface Roughness                                     | 1987         | Discontinued | 2004              | Abandoned in favor of new protocols |             |
| T 287           | Asphaltic Cement Content of Asphalt Concrete Mixtures by the Nuclear Method                         | Asphalt Binder Content of Asphalt Mixtures by the Nuclear Method                                    | 1990         | Active       |                   |                                     |             |
| T 288           | Determining Minimum Laboratory Soil Resistivity   | Determining Minimum Laboratory Soil Resistivity   | 1991         | Active       |                   |                                     |             |
| T 289           | Determining pH of Soil for Use in Corrosion Testing   | Determining pH of Soil for Use in Corrosion Testing   | 1991         | Active       |                   |                                     |             |
| T 290           | Determining Water Soluble Sulfate Ion Content in Soil   | Determining Water-Soluble Sulfate Ion Content in Soil   | 1991         | Active       |                   |                                     |             |
| T 291           | Determining Water Soluble Chloride Ion Content in Soil  | Determining Water-Soluble Chloride Ion Content in Soil  | 1991         | Active       |                   |                                     |             |
| T 292           | Resilient Modulus of Subgrade Soils and Untreated Base/Subbase Materials                            | Resilient Modulus of Subgrade Soils and Untreated Base/Subbase Materials                            | 1991         | Discontinued | 2003              |                                     |             |
| T 293           | High-Strain Dynamic Testing of Piles  | High-Strain Dynamic Testing of Piles  | 1992         | Discontinued | 1993              | Lack of use                         |             |
| T 294           | Resilient Modulus of Unbound Granular Base/Subbase Materials and Subgrade Soils---SHRP Protocol P46 | Resilient Modulus of Unbound Granular Base/Subbase Materials and Subgrade Soils---SHRP Protocol P46 | 1992         | Discontinued | 1997              | Lack of use                         |             |
| T 295           | Specific Gravity or API Gravity of Liquid Asphalts by Hydrometer Method                             | Specific Gravity or API Gravity of Liquid Asphalts by Hydrometer Method                             | 1992         | Active       |                   |                                     |             |
| T 296           | Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression            | Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression            | 1993         | Active       |                   |                                     |             |
| T 297           | Consolidated-Undrained Triaxial Compression Test on Cohesive Soils                                  | Consolidated, Undrained Triaxial Compression Test on Cohesive Soils                                 | 1993         | Discontinued | 2017              | Replaced by ASTM D4767-11           |             |
| T 298           | High-Strain Dynamic Testing of Piles  | High-Strain Dynamic Testing of Piles  | 1993         | Active       |                   |                                     |             |
| T 299           | Rapid Identification of Alkali Silica Reaction products in Concrete                                 | Rapid Identification of Alkali-Silica Reaction Products in Concrete                                 | 1993         | Discontinued | 2011              | Equivalent to SHRP 2013             |             |
| T 300           | Force Ductility Test of Bituminous Materials  | Force Ductility Test of Asphalt Materials   | 1994         | Active       |                   |                                     |             |

| Standard Number | Original Title  | Current/Final Title  | Year Adopted | Status       | Year Discontinued | Reason Discontinued (If Known)       | Other Notes  |
|-----------------|---|--|--------------|--------------|-------------------|--------------------------------------|--|
| T 301           | Elastic Recovery Test of Bituminous Materials by Means of a Ductilometer                                | Elastic Recovery Test of Asphalt Materials by Means of a Ductilometer  | 1994         | Active       |                   |                                      |  |
| T 302           | Polymer Content of Polymer-Modified Emulsions   | Polymer Content of Polymer-Modified Emulsified Asphalt Residue and Asphalt Binders                               | 1995         | Active       |                   |                                      |  |
| T 303           | Accelerated Detection of Potentially Deleterious Expansion of Mortar Bars Due to Alkali-Silica Reaction | Determining In-Place Density and Moisture Content of Soil and Soil-Aggregate Using Complex Impedance Methodology | 1996         | Active       |                   |                                      |  |
| T 304           | Uncompacted Void Content of Fine Aggregate  | Uncompacted Void Content of Fine Aggregate   | 1996         | Active       |                   |                                      |  |
| T 305           | Determination of Draindown Characteristics in Uncompacted Asphalt Mixtures                              | Determination of Draindown Characteristics in Uncompacted Asphalt Mixtures                                       | 1997         | Active       |                   |                                      |  |
| T 306           | Progressing Auger Borings for Geotechnical Explorations   | Progressing Auger Borings for Geotechnical Explorations  | 1998         | Active       |                   |                                      |  |
| T 307           | Determining the Resilient Modulus of Soils and Aggregate Materials                                      | Determining the Resilient Modulus of Soils and Aggregate Materials   | 1999         | Active       |                   |                                      | Formerly TP 46   |
| T 308           | Determining the Asphalt Binder Content of Hot Mix Asphalt (HMA) by the Ignition Method                  | Determining the Asphalt Binder Content of Hot Mix Asphalt (HMA) by the Ignition Method                           | 1999         | Active       |                   |                                      | Formerly TP 53   |
| T 309           | Temperature of Freshly Mixed Portland Cement Concrete   | Temperature of Freshly Mixed Portland Cement Concrete  | 1999         | Active       |                   |                                      | Published as dual-unit standard T 309M/T 309 from 2005-11; discontinued in 2012; reinstated in 2015 as T 309 |
| T 309M/T 309    | Temperature of Freshly Mixed Portland Cement Concrete   | Temperature of Freshly Mixed Hydraulic Cement Concrete   | 2005         | Discontinued | 2012              | Replaced by U.S. unit standard T 309 | Discontinued in 2012; reverted to T 309 in 2015  |
| T 310           | In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)     | In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)              | 2000         | Active       |                   |                                      |  |
| T 311           | Grain-Size Analysis of Granular Soil Materials  | Grain-Size Analysis of Granular Soil Materials   | 2000         | Active       |                   |                                      |  |

| Standard Number | Original Title  | Current/Final Title   | Year Adopted | Status | Year Discontinued | Reason Discontinued (If Known) | Other Notes    |
|-----------------|---|---|--------------|--------|-------------------|--------------------------------|----------------|
| T 312           | Preparing and Determining the Density of Hot-Mix Asphalt (HMA) Specimens by Means of the Superpave Gyrotory Compactor | Preparing and Determining the Density of Asphalt Mixture Specimens by Means of the Superpave Gyrotory Compactor | 2001         | Active |                   |                                | Formerly TP 4  |
| T 313           | Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)                     | Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)               | 2002         | Active |                   |                                | Formerly TP 1  |
| T 314           | Determining the Fracture Properties of Asphalt Binder in Direct Tension (DT)  | Determining the Fracture Properties of Asphalt Binder in Direct Tension (DT)                                    | 2002         | Active |                   |                                | Formerly TP 3  |
| T 315           | Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)                        | Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)                  | 2002         | Active |                   |                                | Formerly TP 5  |
| T 316           | Viscosity Determination of Asphalt Binder Using Rotational Viscometer   | Viscosity Determination of Asphalt Binder Using Rotational Viscometer   | 2002         | Active |                   |                                | Formerly TP 48 |
| T 317           | Prediction of Asphalt-Bound Pavement Layer Temperatures   | Prediction of Asphalt-Bound Pavement Layer Temperatures   | 2002         | Active |                   |                                |                |
| T 318           | Water Content of Freshly Mixed Concrete Using Microwave Oven Drying   | Water Content of Freshly Mixed Concrete Using Microwave Oven Drying   | 2002         | Active |                   |                                | Formerly TP 23 |
| T 319           | Quantitative Extraction and Recovery of Asphalt Binder from Asphalt Mixtures  | Quantitative Extraction and Recovery of Asphalt Binder from Asphalt Mixtures                                    | 2003         | Active |                   |                                | Formerly TP 2  |
| T 320           | Determining Shear Strain and Stiffness of Asphalt Mixtures Using the Superpave Shear Tester (SST)                     | Determining the Permanent Shear Strain and Stiffness of Asphalt Mixtures Using the Superpave Shear Tester (SST) | 2003         | Active |                   |                                | Formerly TP 7  |
| T 321           | Determining the Fatigue Life of Compacted Hot-Mix Asphalt (HMA) Subjected to Repeated Flexural Bending                | Determining the Fatigue Life of Compacted Asphalt Mixtures Subjected to Repeated Flexural Bending               | 2003         | Active |                   |                                | Formerly TP 8  |
| T 322           | Determining the Creep Compliance and Strength of Hot-Mix Asphalt (HMA) Using the Indirect Tensile Test Device         | Determining the Creep Compliance and Strength of Hot Mix Asphalt (HMA) Using the Indirect Tensile Test Device   | 2003         | Active |                   |                                | Formerly TP 9  |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status     | Year Discontinued | Reason Discontinued (If Known) | Other Notes    |
|-----------------|--|--|--------------|------------|-------------------|--------------------------------|----------------|
| T 323           | Determining the Shear Strength at the Interface of Bonded Layers of Portland Cement Concrete                               | Determining the Shear Strength at the Interface of Bonded Layers of Portland Cement Concrete                 | 2003         | Active     |                   |                                | Formerly TP 29 |
| T 324           | Hamburg Wheel-Track Testing of Compacted Hot-Mix Asphalt (HMA)   | Hamburg Wheel-Track Testing of Compacted Asphalt Mixtures  | 2004         | Active     |                   |                                |                |
| T 325           | Estimating the Strength of Concrete in Transportation Construction by Maturity Tests                                       | Estimating the Strength of Concrete in Transportation Construction by Maturity Tests                         | 2004         | Active     |                   |                                | Formerly TP 52 |
| T 326           | Uncompacted Void Content of Coarse Aggregate (As Influenced by Particle Shape, Surface Texture, and Grading)               | Uncompacted Void Content of Coarse Aggregate (As Influenced by Particle Shape, Surface Texture, and Grading) | 2005         | Active     |                   |                                | Formerly TP 56 |
| T 327           | Resistance of Coarse Aggregate to Degradation by Abrasion in the Micro-Deval Apparatus                                     | Resistance of Coarse Aggregate to Degradation by Abrasion in the Micro-Deval Apparatus                       | 2005         | Active     |                   |                                | Formerly TP 58 |
| T 328           | Reducing Samples of Hot-Mix Asphalt to Testing Size  | Reducing Samples of Hot Mix Asphalt to Testing Size  | 2005         | Renumbered | 2008              | Revised and renumbered as R 47 |                |
| T 329           | Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method   | Moisture Content of Asphalt Mixtures by Oven Method  | 2005         | Active     |                   |                                |                |
| T 330           | The Qualitative Detection of Harmful Clays of the Smectite Group in Aggregates Using Methylene Blue                        | The Qualitative Detection of Harmful Clays of the Smectite Group in Aggregates Using Methylene Blue          | 2007         | Active     |                   |                                | Formerly TP 57 |
| T 331           | Bulk Specific Gravity and Density of Compacted Asphalt Bituminous Materials Mixtures Using Automatic Vacuum Sealing Method | Bulk Specific Gravity (Gmb) and Density of Compacted Asphalt Mixtures Using Automatic Vacuum Sealing Method  | 2007         | Active     |                   |                                | Formerly TP 69 |
| T 332           | Determining Chloride Ions in Concrete and Concrete Materials by Specific Ion Probe   | Determining Chloride Ions in Concrete and Concrete Materials by Specific Ion Probe                           | 2007         | Active     |                   |                                | Formerly TP 55 |
| T 333           | Linear Coefficient of Shrinkage on Cure of Adhesive Systems  | Linear Coefficient of Shrinkage on Cure of Adhesive Systems  | 2007         | Active     |                   |                                |                |
| T 334           | Estimating the Cracking Tendency of Concrete   | Estimating the Cracking Tendency of Concrete   | 2008         | Active     |                   |                                | Formerly PP 34 |

| Standard Number | Original Title  | Current/Final Title   | Year Adopted | Status | Year Discontinued | Reason Discontinued (If Known) | Other Notes    |
|-----------------|---|---|--------------|--------|-------------------|--------------------------------|----------------|
| T 335           | Determining the Percentage of Fracture in Coarse Aggregate  | Determining the Percentage of Fracture in Coarse Aggregate  | 2009         | Active |                   |                                | Formerly TP 61 |
| T 336           | Coefficient of Thermal Expansion of Hydraulic Cement Concrete   | Coefficient of Thermal Expansion of Hydraulic Cement Concrete   | 2009         | Active |                   |                                | Formerly TP 60 |
| T 337           | Non-Instrumental Determination of Metallic Zinc in Zinc-Rich Primers                                  | Non-Instrumental Determination of Metallic Zinc in Zinc-Rich Primers                                      | 2009         | Active |                   |                                | Formerly TP 65 |
| T 338           | Analysis of Structural Steel Coatings for Hindered Amine Light Stabilizer (HALS)                      | Analysis of Structural Steel Coatings for Hindered Amine Light Stabilizer (HALS)                          | 2009         | Active |                   |                                | Formerly TP 66 |
| T 339           | Analysis of Structural Steel Coatings for Isocyanate  | Analysis of Structural Steel Coatings for Isocyanate Content  | 2009         | Active |                   |                                | Formerly TP 67 |
| T 340           | Determining Rutting Susceptibility of Hot Mix Asphalt (HMA) Using the Asphalt Pavement Analyzer (APA) | Determining the Rutting Susceptibility of Hot Mix Asphalt (APA) Using the Asphalt Pavement Analyzer (APA) | 2010         | Active |                   |                                | Formerly TP 61 |
| T 341           | Determination of Compression Capacity for Profile Wall Plastic Pipe by Stub Compression Loading       | Determination of Compression Capacity for Profile Wall Plastic Pipe by Stub Compression Loading           | 2010         | Active |                   |                                | Formerly TP 61 |
| T 342           | Determining Dynamic Modulus of Hot Mix Asphalt (HMA)  | Determining Dynamic Modulus of Hot Mix Asphalt (HMA)  | 2011         | Active |                   |                                | Formerly TP 62 |
| T 343           | Density of In-Place Hot Mix Asphalt (HMA) Pavement by Electronic Surface Contact Devices              | Density of In-Place Hot Mix Asphalt (HMA) Pavement by Electronic Surface Contact Devices                  | 2012         | Active |                   |                                | Formerly TP 68 |
| T 344           | Evaluation of Superpave Gyratory Compactor (SGC) Internal Angle of gyration Using Simulated Loading   | Evaluation of Superpave Gyratory Compactor (SGC) Internal Angle of Gyration Using Simulated Loading       | 2012         | Active |                   |                                | Formerly TP 71 |
| T 345           | Passing Ability of Self-Consolidating Concrete (SCC) by J-Ring  | Passing Ability of Self-Consolidating Concrete (SCC) by J-Ring  | 2012         | Active |                   |                                | Formerly TP 74 |
| T 346           | Glass Beads Used in Pavement Markings   | Glass Beads Used in Pavement Markings   | 2012         | Active |                   |                                | Formerly TP 97 |
| T 347           | Slump Flow of Self-Consolidating Concrete (SCC)   | Slump Flow of Self-Consolidating Concrete (SCC)   | 2013         | Active |                   |                                | Formerly TP 73 |

| Standard Number | Original Title  | Current/Final Title  | Year Adopted | Status | Year Discontinued | Reason Discontinued (If Known) | Other Notes    |
|-----------------|---|--|--------------|--------|-------------------|--------------------------------|----------------|
| T 348           | Air-Void Characteristics of Freshly Mixed Concrete by Buoyancy Change                               | Air-Void Characteristics of Freshly Mixed Concrete by Buoyancy Change                              | 2013         | Active |                   |                                | Formerly TP 75 |
| T 349           | Filling Capacity of Self-Consolidating Concrete Using the Caisson Test                              | Filling Capacity of Self-Consolidating Concrete Using the Caisson Test                             | 2013         | Active |                   |                                | Formerly TP 94 |
| T 350           | Multiple Stress Creep Recovery (MSCR) Test of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)  | Multiple Stress Creep Recovery (MSCR) Test of Asphalt Binder Using a Dynamic Shear Rheometer (DSR) | 2014         | Active |                   |                                | Formerly TP 70 |
| T 351           | Visual Stability Index (VSI) of Self-Consolidating Concrete (SCC)                                   | Visual Stability Index (VSI) of Self-Consolidating Concrete (SCC)                                  | 2014         | Active |                   |                                | Formerly TP 80 |
| T 352           | Determining Formwork Pressure of Fresh Self-Consolidating Concrete (SCC) Using Pressure Transducers | Determining Formwork Pressure of Fresh Self-Consolidating Concrete Using Pressure Transducers      | 2014         | Active |                   |                                | Formerly TP 93 |
| T 353           | Particle Size Analysis of Hydraulic Cement and Related Materials by Light Scattering                | Particle Size Analysis of Hydraulic Cement and Related Materials by Light Scattering               | 2014         | Active |                   |                                |                |
| T 354           | Specific Gravity and Absorption of Aggregate by Volumetric Immersion Method                         | Specific Gravity and Absorption of Aggregate by Volumetric Immersion Method                        | 2015         | Active |                   |                                | Formerly TP 77 |
| T 355           | In-Place Density of Asphalt Mixtures by Nuclear Methods   | In-Place Density of Asphalt Mixtures by Nuclear Methods  | 2015         | Active |                   |                                |                |
| T 356           | Determining Air Content of Hardened Portland Cement Concrete by High-Pressure Air Meter             | Determining Air Content of Hardened Portland Cement Concrete by High-Pressure Air Meter            | 2015         | Active |                   |                                | Formerly TP 59 |
| T 357           | Predicting Chloride Penetration of Hydraulic Cement Concrete by the Rapid Migration Procedure       | Predicting Chloride Penetration of Hydraulic Cement Concrete by the Rapid Migration Procedure      | 2015         | Active |                   |                                | Formerly TP 64 |
| T 358           | Surface Resistivity Indication of Concrete's Ability to Resist Chloride Ion Penetration             | Surface Resistivity Indication of Concrete's Ability to Resist Chloride Ion Penetration            | 2015         | Active |                   |                                | Formerly TP 95 |
| T 359           | Pavement Thickness by Magnetic Pulse Induction  | Pavement Thickness by Magnetic Pulse Induction   | 2016         | Active |                   |                                |                |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status | Year Discontinued | Reason Discontinued (If Known) | Other Notes    |
|-----------------|--|--|--------------|--------|-------------------|--------------------------------|----------------|
| T 360           | Measurement of Tire/Pavement Noise Using the On-Board Sound Intensity  | Measurement of Tire/Pavement Noise Using the On-Board Sound Intensity  | 2016         | Active |                   |                                | Formerly TP 76 |
| T 361           | Determining Asphalt Binder Bond Strength by Means of the Asphalt Bond Strength (ABS) Test                              | Determining Asphalt Binder Bond Strength by Means of the Asphalt Bond Strength (ABS) Test                              | 2016         | Active |                   |                                | Formerly TP 91 |
| T 362           | Quantitative Determination of the Percentage of Lime in Hot Mix Asphalt (HMA)  | Quantitative Determination of the Percentage of Lime in Asphalt Mixtures   | 2016         | Active |                   |                                | Formerly TP 72 |
| T 363           | Evaluating Stress Development and Cracking Potential due to Restrained Volume Change Using a Dual Ring Test            | Evaluating Stress Development and Cracking Potential due to Restrained Volume Change Using a Dual Ring Test            | 2017         | Active |                   |                                |                |
| T 364           | Determination of Composite Activation Energy of Aggregates due to Alkali-Silica Reaction (Chemical Method)             | Determination of Composite Activation Energy of Aggregates due to Alkali-Silica Reaction (Chemical Method)             | 2017         | Active |                   |                                |                |
| T 365           | Quantifying Calcium Oxychloride Amounts in Cement Pastes Exposed to Deicing Salts                                      | Quantifying Calcium Oxychloride Amounts in Cement Pastes Exposed to Deicing Salts                                      | 2017         | Active |                   |                                |                |
| T 366           | Apparent Viscosity of Hot-Poured Asphalt Crack Sealant Using Rotational Viscometer                                     | Apparent Viscosity of Hot-Poured Asphalt Crack Sealant Using Rotational Viscometer                                     | 2017         | Active |                   |                                | Formerly TP 85 |
| T 367           | Accelerated Aging of Hot-Poured Asphalt Crack Sealant Using a Vacuum Oven  | Accelerated Aging of Hot-Poured Asphalt Crack Sealant Using a Vacuum Oven  | 2017         | Active |                   |                                | Formerly TP 86 |
| T 368           | Measuring Low-Temperature Flexural Creep Stiffness of Hot-Poured Asphalt Crack Sealant by Bending Beam Rheometer (BBR) | Measuring Low-Temperature Flexural Creep Stiffness of Hot-Poured Asphalt Crack Sealant by Bending Beam Rheometer (BBR) | 2017         | Active |                   |                                | Formerly TP 87 |
| T 369           | Evaluation of the Low-Temperature Tensile Property of Hot-Poured Asphalt Crack Sealant by Direct Tension Test          | Evaluation of the Low-Temperature Tensile Property of Hot-Poured Asphalt Crack Sealant by Direct Tension Test          | 2017         | Active |                   |                                | Formerly TP 88 |

| Standard Number | Original Title   | Current/Final Title  | Year Adopted | Status | Year Discontinued | Reason Discontinued (If Known) | Other Notes                     |
|-----------------|--|--|--------------|--------|-------------------|--------------------------------|---------------------------------|
| T 370           | Measuring Adhesion of Hot-Poured Asphalt Crack Sealant Using Direct Adhesion Tester  | Measuring Adhesion of Hot-Poured Asphalt Crack Sealant Using Direct Adhesion Tester  | 2017         | Active |                   |                                | Formerly TP 89                  |
| T 371           | Measuring Interfacial Fracture Energy of Hot-Poured Asphalt Crack Sealant Using a Blister Test   | Measuring Interfacial Fracture Energy of Hot-Poured Asphalt Crack Sealant Using a Blister Test   | 2017         | Active |                   |                                | Formerly TP 90                  |
| T 372M/T 372    | Sensitivity of Stainless Steel to Intergranular Attack   | Sensitivity of Stainless Steel to Intergranular Attack   | 2017         | Active |                   |                                | Formerly MP 18M/MP 18, Annex A1 |
| T 373M/T 373    | Comparative Qualitative Corrosion Characterization of Steel Bars Used for Concrete Reinforcement (Linear Polarization Resistance and Potentiodynamic Polarization Tests) | Comparative Qualitative Corrosion Characterization of Steel Bars Used for Concrete Reinforcement (Linear Polarization Resistance and Potentiodynamic Polarization Tests) | 2017         | Active |                   |                                | Formerly MP 18M/MP 18, Annex A2 |
| T 374M/T 374    | Comparative Qualitative Corrosion Characterization of Uncoated Chromium-Alloyed Steel Bars Used for Concrete Reinforcement (Tombstone Test)                              | Comparative Qualitative Corrosion Characterization of Uncoated Chromium-Alloyed Steel Bars Used for Concrete Reinforcement (Tombstone Test)                              | 2017         | Active |                   |                                | Formerly MP 18M/MP 18, Annex 3  |
| T 375M/T 375    | Identification of Iron-Based Alloy Steel Bars for Concrete Reinforcement or Dowels by Handheld X-Ray Fluorescence (XRF) Spectrometer                                     | Identification of Iron-Based Alloy Steel Bars for Concrete Reinforcement or Dowels by Handheld X-Ray Fluorescence (XRF) Spectrometer                                     | 2017         | Active |                   |                                | Formerly MP 18M/MP 18, Annex B1 |
| T 376M/T 376    | Macrocell Slab Chloride Threshold  | Macrocell Slab Chloride Threshold  | 2017         | Active |                   |                                | Formerly MP 18M/MP 18, Annex B4 |
| T 377           | Detecting the Presence of Phosphorous in Asphalt Binder  | Detecting the Presence of Phosphorous in Asphalt Binder  | 2017         | Active |                   |                                | Formerly TP 78                  |
| T 378           | Determining the Dynamic Modulus and Flow Number for Asphalt Mixtures Using the Asphalt Mixture Performance Tester (AMPT)   | Determining the Dynamic Modulus and Flow Number for Asphalt Mixtures Using the Asphalt Mixture Performance Tester (AMPT)   | 2017         | Active |                   |                                | Formerly TP 79                  |