

## **Summary of Quarterly Changes to MDT Materials Manual (Refer to Individual Procedure for requirements)**

### **December 2017**

- Section 100
  - MT 100 – Editorially Revised – Clarification for MT 121 requirement
- Section 300
  - MT 310 – Added
  - MT 334 – Revised
- MT 601
  - Aggregate – Consolidated Aggregate for Concrete – During Production material codes; Consolidated Coarse and Combined/Intermediate Aggregate – Source material codes; Updated testing requirements for Aggregate for Concrete - Source
  - Concrete Sealant – Updated QPL requirements for Liquid Membrane-Forming Concrete Curing Compound (717.01.03.01) and Concrete Cure and Seal Compounds (717.01.04.01)
  - Maintenance – Updated testing requirements for 8A-R Salt (MT 1) and 8B Salt (MT 10)
  - Steel – Added Gabion Baskets - Wire and Wire Mesh (711.22.00.01)

### **September 2017**

- MT 601
  - Concrete – Updated sampling frequency for CLSM
- Section 200
  - Editorially Revised: MT 212, MT 218
- Section 300
  - MT 319 – Revised; Removed Note 5

### **June 2017**

- Section 100
  - MT 100 – Updated testing requirements
  - MT 117 – Revised to match revisions to AASHTO T 23 (Making and Curing Concrete Test Specimens in the Field)
  - MT 118 – Eliminated; Use AASHTO T 152 (Air Content of Freshly Mixed Concrete by Pressure Method)
- Section 300
  - Eliminated
    - MT 309 – Use AASHTO R 47 (Reducing Samples of Hot Mix Asphalt (HMA) to Testing Size)
    - MT 312 – Use AASHTO T 329 (Moisture Content of Asphalt Mixtures by Oven Method)
    - MT 314 – Use AASHTO T 166 (Bulk Specific Gravity ( $G_{mb}$ ) of Compacted Hot Mix Asphalt (HMA) Using Saturated Surface-Dry Specimens)
    - MT 325
    - MT 337
    - MT 338 – Use ASTM D6390 (Determination of Draindown Characteristics in Uncompacted Asphalt Mixtures)

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- Revised
  - MT 320
  - MT 321
  - MT 332
- MT 601
  - Updated throughout due to elimination of Section 300 Methods
  - Bituminous – Added High Float Emulsion HF-300 (702.02.07.02); Polymer Mod. Cat. High Float Rapid Set Emulsion CHFERS-2p (702.02.07.03); Polymer Modified Cationic Quick Set Emulsion CQS-1p (702.02.08.05); and Polymer Modified Rejuvenating Emulsion (702.02.08.06)
  - Plant Mix Pavement – Added Recycling Agent (401.02.05.02)
- Editorially Revised (to reflect changes to Section 300): MT 302, MT 303, MT 304, MT 305, MT 316, MT 319, MT 322, MT 328, MT 329, MT 331, MT 333, MT 334, MT 335, MT 602

### **March 2017**

- MT 601
  - Miscellaneous – Updated Calcium Chloride (713.03.00.01) and Magnesium Chloride (713.03.00.02) to include sampling method
  - Concrete – Added IA to Class Overlay SF Concrete (551.03.02.07)

### **January 2017**

- Section 100
  - MT 122 - Revised

### **December 2016**

- Section 200
  - Eliminated
    - MT 200 – Use AASHTO R 58
    - MT 203 – Use AASHTO T 19
    - MT 204 – Use AASHTO T 84
    - MT 205 – Use AASHTO T 85
    - MT 206
    - MT 208 – Use AASHTO T 89 and AASHTO T 90
    - MT 209 – Use AASHTO T 96
    - MT 211 – Use AASHTO T 134
    - MT 213 – Use AASHTO T 176
    - MT 214 – Use AASHTO M 145
    - MT 217 – Use AASHTO T 335
    - MT 220 – Use AASHTO T 100
    - MT 221 – Use AASHTO T 255
    - MT 222 – Use AASHTO T 191
    - MT 223 – Use AASHTO T 112
    - MT 224
    - MT 225
    - MT 227 – Use AASHTO T 265

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- MT 231
- MT 233 – Use AASHTO T 327
- Revised
  - MT 210
  - MT 212
  - MT 226
  - MT 230
  - MT 232
- Section 500
  - MT 530 – Added
  - MT 532 – Added
- Section 600
  - MT 602 – Revised
  - MT 603 – Revised
- MT 601
  - Updated throughout with AASHTO Methods due to elimination of Section 200 Methods
  - Aggregate Surfacing – Updated Microsurfacing Aggregate Type 2 (701.02.08.06) and Type 3 (701.02.08.04)
  - Bituminous – Added Anionic Slow Set Emulsion SS-1H (702.02.01.04); Added Polymer Mod. Cat. Quick Set Emulsion CQS-1hP (702.02.08.04)
  - Maintenance – Added Potassium Acetate (MT 11)
- Editorially Revised (to reflect changes to Section 200): MT 101, MT 216, MT 228, MT 229, MT 305, MT 329, MT 607

### September 2016

- Section 500
  - MT 502 – Added
  - MT 521 – Added
  - MT 533 – Added
  - MT 537 – Added
- MT 601
  - Aggregate – Updated Sample/Test Frequency to Coarse Concrete Aggregate Grade 4 – During Production
  - Guardrail – Added MASH W-Beam Terminal Section

### June 2016

- Section 100
  - MT 100 – Revised
  - MT 121 – Added
- Section 500
  - MT 501 – Added
  - MT 526 – Revised
  - MT 534 – Added
  - MT 536 – Added

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- MT 548 – Added
- MT 601
  - Aggregate Surfacing – Added Crushed Cover Aggregate Type 3
  - Concrete And Structures – Added note to Cattle Guard Bases
  - Maintenance – Updated to reflect changes to Section 500
  - Miscellaneous – Added Landscape Grade Topsoil; added Structural Timber; updated to reflect changes to Section 500
  - Steel – Added High Strength Wire Rockfall Mesh; updated Smooth Dowel Bars

### **March 2016**

- MT 601
  - Concrete Sealant – removed Concrete Curing Materials (717.01.00.01) and added Liquid Membrane-Forming Concrete Curing Compound (717.01.03.01) and Concrete Cure and Seal Compounds (717.01.04.01)
  - Crack Sealing – updated Sampling/Testing requirements for Crack Sealant
  - Steel – Added Cast Inlet Grates (711.12.03.02)

### **February 2016**

- MT 100 – Updated to reflect addition of AASHTO T 358 Resistivity
- MT 601
  - Concrete – Replaced AASHTO T 277 Rapid Chloride Permeability Test with AASHTO T 358 Resistivity
  - Pavement Markings – Included Sampling/Testing requirements for Epoxy Paint; updated Sampling/Testing requirements for Reflective Glass Beads
- MT 609 – Updated to remove reference to RCP cylinders

### **January 2016**

- MT 601
  - Updated throughout with revised Buy America Requirements
  - Steel – Added note to Structural Steel Piles
  - Joint Material – Added Flexible Joint Sealer

### **December 2015**

- Section 100
  - Eliminated
    - MT 102 – Use AASHTO T 152
    - MT 104 – Use AASHTO T 119
    - MT 105 – Use AASHTO R 60
    - MT 106 – Use AASHTO T 148
    - MT 107 – Use AASHTO T 196
    - MT 112 – Use AASHTO T 24
    - MT 113 – Use ASTM E965
    - MT 115 – Use AASHTO T 121
    - MT 116 – Use AASHTO T 347

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- MT 120
  - Revised MT 101, MT 117, MT 118
- MT 601
  - Updated throughout with AASHTO Methods due to elimination of Section 100 Methods
  - Miscellaneous – Note added to Seed; Note added to Miscellaneous Paint; Test Method changed for Water for Concrete
  - Guardrail – Added Cert of Comp for Guardrail Items
  - Plant Mix Pavement – Added Warm Mix Additives
  - Crash Testing – Changed material name to Cert of Comp for Traffic Control/Mailbox (618.03.02.01)
- Editorially Revised: MT 100, MT 103, MT 110, MT 111, MT 203