Summary of Monthly Changes to MDT Materials Manual  
(Refer to individual procedure for requirements)

September 2014

- MT 526
  - Added
- MT 601
  - Buy America Category 1 – Notes added or edited to the following: Expansion Joint System, all Pile, Steel Water Pipe, Seamless Steel Pipe, Structural Steel, Structural Steel Tubing, Welded Stud Shear Connectors; material codes removed from Signal Standards Type 2/3 and Luminaire Standard Type 10; Precoated Galv. Steel Culvert/Underdrain and Type II Aluminized Corr. Steel Pipe deleted; new material Rebar Grade 75 added
  - Buy America Category 2 - Notes added or edited to the following: Precast Prestressed Deck Sections, Prestressed Beam, Precast Concrete Bridge Members, Precast Concrete Product – Structural, Cattle Guard (Grate), Pile Driving Point, Pile Cutting Shoe; Steel Cert Category 2 added to Deadman/Anchor; material codes removed from Steel Conduit, Pull Boxes, Signal Standards Type 1; Luminaire not a Steel Cert Category 2; Precast Concrete Curb deleted; Safety Rail deleted
  - Aggregate – Coarse Concrete Aggregate Grade 4 – During Production and Coarse Concrete Aggregate Grade 4 – Source added, Microsurfacing Aggregate Sample/Test Frequency changed from square yards to tons, Cement Treated Base Sample/Test Frequency metric quantity change
  - Concrete - Concrete Admixture required to be on QPL; Class DD, Class DP, Class DS, Class F, Prestressed, Class SD, Flowable Fill, Self Consolidating, Class DD-Bridge, Class Drilled Shaft, Class SD Overlay, and Pre-Packaged Concrete deleted or changed material codes; Class General, Class Pave, Class Pre, Class SCC, Class Deck, Class Overlay-SF, Class Overlay-LM, Class Structure, Class Drilled Shaft, Controlled Low Strength Material-Excav, Controlled Low Strength Material-Non-Excav, Pre-Packaged, and Lean Concrete added; Precast Concrete Curb deleted. Notes added or edited to the following: Precast Prestressed Deck Sections, Prestressed Beam, Precast Concrete Bridge Membeers, and Precast Concrete Product – Structural
  - Concrete Sealant – Sieve Analysis and Moisture Content deleted from Deck Sealant Sand
  - Fencing - Steel Cert Category 2 added Deadman/Anchor, Miscellaneous Fence Material deleted
  - Geotextile – Material code changed for Weed Control Mat, High Performance Rolled Erosion Control Blanket added
  - Joint Material - Notes added to Expansion Joint System
  - Lighting, Signals & Communication – Material codes removed from the following: Variable Message Sign, Antenna, PVC Conduit, HDPE Conduit, Steel Conduit, Pull Boxes, Signal Standards Type 2/3, Luminaire Standard Type 10, Signal Standard Type 1, Conductor, Cable, Service & Control Assembly, Traffic Signal Indication, LED Traffic Signal, Pedestrian Signal Indication, Detector Loop, Pedestrian Push Buttons, Luminaire Assembly, Emergency Vehicle Preemption, and Guys & Anchors; Lighting Brackets deleted
  - Maintenance – Order of material changed; Salt (Maintenance) changed to 8A-R Salt (Maintenance) and Tests, Sample Size, and Sample/Test Frequency changed; Corrosion Inhibited Salt changed to 8A-B Salt (Maintenance) and Test, Sample Size, Sample/Test Frequency, Tester Responsibility, and Notes changed; 8B Salt (Maintenance) added; Salt Brine – NaCl (Maintenance) Sample/Test Frequency changed; Data sheet added to Corrosion Inhibitor (Maintenance) and Sample/Test Frequency changed; De-Icer MgCl₂ (Maintenance) Sample/Test Frequency changed; De-Icer CaCl₂ (Maintenance) Sample/Test Frequency changed; Data sheet added to Sanding Material, Cold Mix Asphalt Patching Material, and Engine Oil Analysis
Summary of Monthly Changes to MDT Materials Manual
(Refer to individual procedure for requirements)

September 2014 (continued)

- MT 601
  - Miscellaneous - Notes added to Cattle Guard (Grate) and Mail Box; Powder Coating added; Compost required to be on QPL
  - Pile - Notes edited to all pile material
  - Pipe – HDPE Drainage Pipe changed to Corrugated Polyethylene Pipe; Notes added to Steel Water Pipe and Seamless Steel Pipe; Precoated Galv. Steel Culvert/Underdrain and Type II Aluminized Corr. Steel Pipe deleted
  - Steel – new material Rebar Grade 75 added; Notes added to Structural Steel, Structural Steel Tubing, and Welded Stud Shear Connectors; Safety Rail deleted
  - Building Materials – New category (Building Materials) including sub-categories (Structure Material, Electrical/Mechanical, Plumbing, Accessories, Door/Display

July 2014

- Section 300
  - Delete MT 313
  - Updated MT 302, 303, 304, 309, 312, 314, 319, 320, 321, 325, 328, 331, 332, 334, 335

- MT 601
  - Buy America Category 1 – Notes added to Steel Guardrail Posts; Expansion Joint Systems changed from Category 2 Steel to Category 1 Steel.
  - Buy America Category 2 – Reinforced Wire/Wire Mesh highlighted in yellow is Required to be on the QPL (Qualified Products List); new material Cable/Tie/Brace Wire added; Detectable Warning Devices Type 2 deleted; Detectable Warning Devices Type 1 changed to Detectable Warning Devices.
  - Aggregate – New material MSE Wall Backfill added.
  - Bituminous – MC-800 specimens sampled in metal cans; Notes added to Saybolt Viscosity for all Emulsions.
  - Concrete – Class D Concrete deleted.
  - Fencing – New material Cable/Tie/Brace Wire added.
  - Joint Material – Expansion Joint Systems changed from Category 2 Steel to Category 1 Steel.
  - Maintenance – Sample/Test Frequency for Corrosion Inhibited Salt changed.
  - Miscellaneous – Detectable Warning Devices Type 2 deleted; Detectable Warning Devices Type 1 changed to Detectable Warning Devices.
  - Plant Mix Pavement – Cold Recycled Plant Mix changed Test responsibility.
  - Signing – New material Snow Poles added.
  - Stream Preservation – New material Temporary Rolled Erosion Control added.
  - Crash Testing – Category Traffic Control changed to Crash Testing; Certifications/Forms divided into Temporary Traffic Control, Guardrail, and Other Material
Summary of Monthly Changes to MDT Materials Manual
(Refer to individual procedure for requirements)

April 2014

- MT 601
  - Buy America Category 1 – Elastomeric Bearing Devices have a new material code. Cable Guardrail is now Wire Rope, Metal Guardrail is now Steel Beam Guardrail and both were changed to Data Sheets. Notes added to Piling material. Test revised for Smooth Dowel Bars. Sample/Test Frequency for Pre-Inspected Steel.
  - Buy America Category 2 – Sample/Test Frequency for Pre-Inspected Precast materials. Detectable Warning Devices material name revised. Notes added to Piling material. Breakaway Devices added.
  - Aggregate – Some tests removed from Bridge End Backfill Type 1, Type 2 and Type 3.
  - Aggregate Surfacing – Crushed Cover Aggregate materials name revised.
  - Bearing Devices - Elastomeric Bearing Devices and Fiber Reinforced Pads have a new material code, Polytetrafluoroethylene (PTFE) added.
  - Bituminous – All materials required to have a Certificate of Compliance.
  - Concrete - Sample/Test Frequency for Pre-Inspected Precast materials.
  - Concrete Sealant – Test added to Deck Sealant Sand.
  - MT 601 Geotextile – All materials required to have a Certificate of Compliance. New material Geomembrane Liner added. Geotextile Stabilized and Unstabilized Silt Fence deleted. New material Temporary Silt Fence added.
  - Guardrail - Cable Guardrail is now Wire Rope, Metal Guardrail is now Steel Beam Guardrail.
  - Miscellaneous – Detectable Warning Devices material name revised. Added test to Cement Grout. New material Anti-Graffiti Coating added.
  - Pile - Notes added to Piling material.
  - Pipe – New material Pressurized Polyethylene Pipe and Solid Wall Polyethylene Pipe added.
  - Signing – New material Breakaway Devices added. Category 2 Steel added to Drivable Flexible Delineators.
  - Steel - Test revised for Smooth Dowel Bars. Sample/Test Frequency for Pre-Inspected Steel.

January 2014

- MT 601
  - All materials that are Required to be on the QPL (Qualified Products List) are highlighted in yellow.
  - Aggregate – Rip Rap Hand Laid deleted, Bridge End Backfill Type 1, 2, and 3 added.
  - Concrete – Concrete Sealants removed from this category and placed in Concrete Sealant category.
  - Concrete Sealant – New category made, and Deck Sealant Sand added.
  - Geotextile – Erosion Control – Biodegradable, Synthetic and Turf Reinforcement Mat are required to be on QPL.
  - Miscellaneous – Mail Box/Support was changed to Mail Box, Concrete Sealants were removed from this category and placed in Concrete Sealant category.
Summary of Monthly Changes to MDT Materials Manual
(Refer to individual procedure for requirements)

October 2013
- MT 201
  - Cement Treated Base sampling
- MT 216
  - Revised
- MT 228
  - Added
- Section 300
- MT 601
  - Guardrail – Box Beam, Cable and Metal Guardrail require Data Sheet
  - Miscellaneous
    - Quicklime Testing changed to AASHTO T27
    - Mineral Filler deleted
    - Topsoil sample size changed to 5 lbs
    - Mulch required to be on QPL
    - Compost-Mulch/Compost changed to Compost
  - Plant Mix Pavement – Grade D, Marshall Method & Modified Lottman changed to AASHTO
  - Signing - Drivable Flexible Delineators added and required to be on QPL
  - Steel - Rebar Epoxy Coating, Tie Bars, Rebar Grade 40 and 60, Wire Mesh required to be on QPL

August 2013
- MT 601
  - Concrete – Shotcrete
  - Miscellaneous – Hydrated Lime
  - Plant Mix Pavement – Plant Mix Surfacing

July 2013
- MT 216
  - Modified section 4, CTB Mix Design
  - Added Compressive Strength Determination and Calculation sections
  - Added several reference documents

June 2013
- MT 601
  - IA Comparison (Added Field to Use Tested Sample)
  - Bituminous (Emulsion Sampling)
  - Geotextiles (Geogrid removed from QPL)
  - Joint Material (Joint Sealing Material required to be on QPL)
  - Miscellaneous (Silane Sealer required to be on QPL)
  - Pile (Driving Point and Cutting Shoe removed from QPL)
- MT 100
  - Added a new procedure: Contractor Submitted Concrete Mix Design
- MT 215
  - New procedure: Optimized Aggregate Gradation for Hydraulic Cement Concrete Mix Designs
Summary of Monthly Changes to MDT Materials Manual
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May 2013
- MT 319
  - Correction Factor was clarified and moved to the Annex
  - The Burn Oven Worksheet was revised and moved to the Annex

April 2013
- MT 101
  - Added reference documents, revised cylinder apparatus, rewording section 10 Transportation to Laboratory
- MT 601
  - Addition Certificate of Compliance and Product Data Sheet to applicable materials
  - Incorporation of review and comments of the October 2012 release, and synchronization of SiteManager Materials and MT 601
- MT 602
  - Major revision to procedure

December 2012
- MT 101
  - Addition of single use molds
- MT 601
  - 4 pages of instructional use of MT 601
  - Buy America (Category 1 and 2)
  - Concrete

October 2012
- MT 601
  - Major revision to Sampling, Testing, and Acceptance Guide