METHODS OF SAMPLING AND TESTING
MT 601-12
MATERIALS SAMPLING, TESTING AND ACCEPTANCE GUIDE

1 Scope:

This procedure is intended to assist in determining the basis of sampling, testing, inspecting, and accepting various materials and products commonly used on highway projects.

Within this procedure is a table informing the user what tests may be performed on a particular material; the sample size; rate and frequency of sampling; responsibility for sampling, testing, collecting certification, or visually inspecting the material; and special instructions or information.

2 General:

Listed in MT 601 are various materials, the basis of acceptance may vary depending on the specifications, procedures or circumstances relating to these materials.

The MT 601 Table is divided into material categories, such as Aggregate, Aggregate Surfacing, etc. The user is able to click on a category to expose a table containing materials that fall within that category. Tables contain:

- Name of material hyperlinked to its pertinent specification section.
- The majority of materials will contain a material code that corresponds with SiteManager. This is also hyperlinked to its pertinent specification section.
- Tests that are routinely performed on materials for project acceptance. When possible, tests are hyperlinked to their procedure.
- Sample size required to perform the testing.
- Rate and frequency samples are to be taken.
- Responsible party for witnessing/collecting samples, collecting certifications, visually inspecting material and/or testing material
- Notes containing special instructions or information

3 Material Acceptance Methods:

- Sample/Test Results: Utilized when only test results are required to verify material quality
- Sample/Test Results and Certification: Utilized when test results and certification and/or visual inspection are required to verify material quality
- Qualified Products (Approved Materials): Utilized for materials that have been approved on MDT's QPL
- Certification/Visual Inspection: Utilized when there is only a certification and/or visual inspection required
- Final Record: Sample and tests taken from completed portions of a project to spot check the results obtained for contract compliance
- Pre-Inspection: Utilized for materials tested and inspected prior to project delivery
- Mix Design: Utilized for the approval or verification of material properties and mix proportions

3.1 Sample/Test Results:

Assure that the material to be incorporated into the work is sampled at the appropriate interval and the contractor is responsible for taking a representative sample when applicable.

All major items to be sampled and tested are listed by category with instructions for sample size, rate/frequency of testing, sampling/witnessing and testing responsibility, and any special instructions. Whenever a conflict exists between a particular test method and MT 601, MT 601 will govern.

Acceptance - Department personnel or an authorized representative will witness samples taken by the contractor.

Quality Assurance (QA) **–** Perform sampling for QA according to the Montana Materials Manual of Test Procedures, Montana Standard Specifications for Road and Bridge Construction manual and any applicable Supplemental Specifications for the item to be sampled. Department personnel or an authorized representative will witness samples taken by the contractor.

3.1 Sample/Test Results: (Continued)

Independent Assurance (IA) **-** The Department requires all witnessing/sampling and testing for Independent Assurance purposes be accomplished by Department personnel or authorized representatives. IA samples must be taken under the direct supervision of the Materials Supervisor or their authorized representative and must not be scheduled on such an inflexible and regular routine that its frequency can be predicted, but sufficient samples must be submitted to satisfy the frequency intended. There are two types of IA's; Comparison Testing and Procedural Checks. Independent Assurance is highlighted within the tables in blue. Specifics on the IA procedure can be found at the following link: MT 602 Acceptance, Independent Assurance and Final Record Sampling.

3.1.1 Small Quantity Items:

Projects requiring only small quantities of materials may not require standard acceptance sampling and testing. Items such as Commercial Plant Mix under 500 tons, paint under 25 gallons and minor quantities of concrete are examples. When items are designated as small quantities by the Project Manager, their acceptance will be based upon proper documentation, such as concrete mix design approvals, air and slump test results, aggregate gradation results, etc. The Project Manager will document in SiteManager (in the Contract Sampling and Testing window) the reason items or materials are accepted on small quantities. Buy America requirements apply to items designated as Small Quantities.

3.1.2 Optional Samples:

All materials incorporated into the project, whether represented by actual samples or by certification, are subject to final field inspection and acceptance by the Project Manager. MDT's Project Manager has the option to obtain more than the required minimum number of samples and to submit as many additional samples as deemed necessary to ensure conformance to specifications.

3.1.3 Maintenance Samples:

Assure the material to be incorporated into the work is sampled at the appropriate interval and/or certification of materials provided meet requirements of the maintenance contract.

3.1.4 Preconstruction Samples:

Samples taken prior to contract work beginning for the planning and developing of construction projects.

3.2 Sample/Test Results and Certification:

Assure that the material to be incorporated into the work is sampled at the appropriate interval and the contractor is responsible for taking a representative sample. Contractor provided certification of material is required for project acceptance.

3.3 Qualified Products (Approved Materials):

The Materials Bureau maintains the Qualified Products List (QPL). MDT confirms the materials appearing on the QPL meet the specifications described in the product specific item. Some materials may be accepted through the QPL or by product specific testing. Specifics on the QPL program can be found at the following link: MDT's Qualified Products List.

3.4 Certification/Visual Inspection:

Acceptance of an established product may be made by the field, based on the manufacturer's certification, visual inspection of the material's condition and previous satisfactory field performance.

3.4.1 Buy America:

Products containing steel that will be permanently incorporated into projects must meet the requirements of Subsection 106.09. To facilitate contract administration, products have been broken into two categories:

- Items designated as Category 1 require supporting documentation showing all steps of manufacturing as being completed in the U.S. This includes the Mill Test Report from the original producing steel mill and certifications documenting the manufacturing processes for all subsequent fabrication, including coatings.

- Items designated as Category 2 must have all manufacturing processes completed in the U.S.; however, to address concerns with excessive documentation, products may be certified as domestic by the fabricator. Certification by the fabricator must consist of a statement that all materials have been melted and manufactured in the U.S. and are required to be signed by a fabricator representative. The Department reserves the right to request additional information and documentation to verify accuracy of statement.

Material requirements for Buy America program are highlighted in gray within the table. Tests labeled as Steel Cert Category 1 and 2 are linked to MDT's Form 406: Contractors Certificate of Compliance for Miscellaneous Steel and Iron Items. Buy America Category 1 and 2 retain their own tabs.

3.5 Final Records:

Final Record (FR) **-** Samples must be taken by or under the direct supervision of the Materials Supervisor or their authorized representative and must not be scheduled on such an inflexible and regular routine that its frequency can be predicted, but sufficient samples must be submitted to satisfy the frequency intended. FR samples are to be taken in accordance with the following link: MT 602 Acceptance, Independent Assurance and Final Record Sampling.

3.6 Pre-Inspection:

Pre-Inspected items consist of products that undergo detailed inspections at the point of manufacture or products that are fabricated by Department Certified Plants as listed on the QPL. The purpose of Pre-Inspection is to verify that processes and materials used during fabrication meet Department requirements. One process the Department uses to accomplish this is by having a Department representative present during production to witness, sample, and test materials used. Another process the Department uses is Department Certified Plants. Department Certified Plants are producers employing internal quality control measures with an acceptable track record relating to product quality. The Department assures quality products are being produced at Department Certified Plants by implementing a combination of plant inspections, quality control system reviews, and Department witnessed or Department performed sampling and testing.

The Department representative performing pre-inspection of precast concrete products and prefabricated steel products verifies the fabricator is maintaining the supporting documentation regarding steel materials. Pre-inspected precast and prefabricated products delivered to the project must be accompanied by certification from the manufacturer stating all steel used in the product has been melted and manufactured in the United States and the fabricator has maintained supporting documentation. The Contractor is required to submit a Form 406 is when inspection of the product is made at the point of production and with certification by the plant that all steel incorporated has been melted and manufactured in the United States. All supporting documentation must be maintained by the fabricator.

Pre-inspection does not constitute project acceptance. The field is responsible for final inspection and acceptance; pre-inspected products identified as not meeting contract requirements may be subject to rejection.

3.7 Mix Designs:

Mix designs are submitted to MDT Helena Materials Bureau for verification and/or approval. Samples are submitted to determine if the quality of the materials and mix proportions conform to the plans and specifications. Mix Designs are highlighted within the tables in green.

4 Submittals, Documentation and Reports:

A Sampling Checklist Report in SiteManager will be generated at the beginning of each contract. This report will show the material to bid item association. It will also show who is responsible for witnessing/sampling and testing the material, the sample size per unit, how many samples need to be taken, how many samples have been taken, and if there are any sample deficiencies.

Once an individual takes or witnesses a sample, a sample record is created using the Sample Information window in SiteManager. When a sample or certification must be sent to the District/Area lab or the Helena Materials Bureau, a screenshot of the “Basic Sample Data” tab is printed out and included with/or attached to the material and/or any required certification sheets . Materials are tested and the results are entered in the Test tab of the Sample Information window in SiteManager.

Once the sample record is authorized, a report will be generated containing the test results. These reports are e-mailed to the appropriate personnel per a distribution list.

MATERIAL INDEX

Material Code	Buy America (BAC1)
Varies	Category 1 - Steel Materials

Material Code	Buy America (BAC2)
Varies	Category 2 - Steel Materials

Material Code	Aggregate (AGGR)
701.01.01.01	Fine Concrete Aggregate - During Production
701.01.01.01	Fine Concrete Aggregate - Source
701.01.02.01	Coarse Concrete Aggregate Grade 2 - During Production
701.01.02.01	Coarse Concrete Aggregate Grade 2 - Source
701.01.03.01	Intermediate Concrete Aggregate - During Production
701.01.03.01	Intermediate Concrete Aggregate - Source
701.04.01.01	Bedding Material
701.04.02.01	Foundation Material
701.05.00.01	Filter Material Number 1
701.05.00.02	Filter Material Number 2
701.06.01.01	Rip Rap - Hand Laid
701.06.02.01	Rip Rap Class 1
701.06.02.02	Rip Rap Class 2
701.06.02.03	Rip Rap Class 3
701.06.03.01	Rip Rap Class - Grouted
701.07.00.01	Bank Protection Type 1
701.07.00.02	Bank Protection Type 2
701.07.00.03	Bank Protection Type 3
701.07.00.04	Bank Protection Type 4
701.08.00.01	Sand - Gravel Cushion
701.09.00.01	Bridge End/Retaining Wall Backfill
701.10.00.01	Drain Aggregate
701.11.00.01	Glass Cullet
PC 1	Proposed Surfacing (Gravel Pit)
PC 2	Soils for Soil Survey

Material Code	Aggregate Surfacing (AGGS)
301.03.06.01	Shoulder Gravel
302.03.01.01	Pulverize/Milled Bituminous Pavement
	Traffic Gravel
701.02.03.01	Sand Surfacing Grade 4
701.02.04.01	Crushed Base Coarse Grade 5A
701.02.04.02	Crushed Base Coarse Grade 6A
701.02.06.01	Crushed Top Surfacing Grade 2A
701.02.07.01	Crushed Top Surfacing Grade 3B
701.02.08.00	Crushed Cover Aggregate (CCA) Compatibility Test/Application Rate
701.02.08.01	Crushed Cover Aggregate Grade 2A
701.02.08.02	Crushed Cover Aggregate Grade 4A
701.02.08.03	Slurry Seal Aggregate
701.02.08.04	Microsurfacing Aggregate
701.02.09.01	Cement Treated Base

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Material Code	Bituminous (BITM)
702.02.01.01	Anionic Slow Set Emulsion SS-1
702.02.01.02	Cationic Slow Set Emulsion CSS-1
702.02.01.03	Cationic Slow Set Emulsion CSS-1H
702.02.05.01	Medium Curing Liquid Asphalt MC-800
702.02.05.02	Medium Curing Liquid Asphalt MC-70
702.02.07.01	High Float Emulsion HF-100
702.02.08.01	Polymer Mod. Cat. Rapid Set Emulsion CRS-2P
702.02.08.02	Cationic Rapid Setting Emulsion CRS-2
702.02.08.03	Cationic Quick Setting Emulsion CQS-1h
702.02.09.06	Performance Graded Asphalt Binder 58-28
702.02.09.09	Performance Graded Asphalt Binder 64-22
702.02.09.10	Performance Graded Asphalt Binder 64-28
702.02.09.12	Performance Graded Asphalt Binder 70-28

Material Code	Bituminous Prime and Tack Coat (BPTC)
407.02.02.01	Blotter Material

Material Code	Concrete and Structures (CONC)
551.02.01.01	Portland Cement
551.02.01.02	Blended Cement
551.02.10.01	Fly Ash
551.02.11.01	Microsilica/Silica Fume
551.02.12.01	Metakaolin
551.02.13.01	Ground Granulated Blast Furnace Slag (GGBFS)
551.03.01.01	Class D Concrete
551.03.01.02	Class DD Concrete
551.03.01.03	Class DP Concrete
551.03.01.04	Class DS Concrete
551.03.01.05	Class F Concrete
551.03.01.06	Prestressed Concrete
551.03.01.07	Class SD Concrete
551.03.01.08	Flowable Fill
551.03.01.09	Self Consolidating Concrete
551.03.01.10	Class DD-Bridge Concrete
551.03.01.11	Class Drilled Shaft Concrete
551.03.02.01	Shotcrete
501.02.06.01	ASTM C 309 Type II Curing Compound
551.02.03.01	Concrete Admixture
551.02.04.01	Epoxy Adhesives
552.02.01.01	Epoxy Resin Grout
552.03.16.01	Deck Drains
552.03.21.01	HMWM Bridge Deck Crack Seal
552.03.21.02	Epoxy Bridge Deck Crack Seal
553.02.08.01	Precast Prestressed Deck Sections
553.02.09.01	Prestressed Beam
554.04.01.01	Precast Concrete Curb
554.04.03.01	Precast Concrete Bridge Members
554.04.04.01	Cattle Guard Bases

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Material Code	Concrete and Structures (CONC)
554.04.06.01	Precast Concrete Product - Structural
554.04.06.02	Precast Concrete Product - Non Structural
563.02.01.01	Modified Concrete Latex Overlay
563.02.02.01	Modified Concrete Silica Fume/SD Overlay
563.02.01.08	Waterproof Membrane

Material Code	Crack Sealing (CRKS)
403.02.00.01	Crack Sealant
403.02.00.02	Backer Rod

Material Code	Excavation (EXC)
203.01.01.02	Special Borrow
203.01.02.01	Embankment
203.03.01.01	Stemming Aggregate for Blasting

Material Code	Fencing (FNC)
712.01.02.01	Chain Link Fabric
712.01.03.01	Chain Link Round Steel Post
712.01.03.02	Chain Link Tubular Steel Post
712.01.03.03	Chain Link Round Aluminum Post
712.01.03.04	Chain Link Tubular Aluminum Post
712.01.06.01	Tie/Brace Wire
712.01.08.01	Chain Link Gate
712.02.01.01	Woven Wire
712.02.02.01	Barbed/Barbless Wire
712.02.07.01	Steel Fence Post
712.02.08.01	Wood Fence Post/Brace Rail
712.02.09.01	Metal Gate
712.02.12.01	Deadman/Anchor
712.02.13.01	Miscellaneous Fence Material

Material Code	Geotextile (GEOT)
622.01.01.01	Geogrid - Subgrade/Foundation
622.01.01.02	Geogrid - Slope Reinforcement
622.01.01.03	Geogrid - Wall Reinforcement
622.02.01.01	Geocomposite Strip Drain
713.12.00.01	Fiber Roll (Straw Wattle)
713.12.01.01	Wood Excelsior Type EX 1
713.12.01.02	Wood Excelsior Type EX 2
713.12.01.03	Wood Excelsior Type EX 3
713.12.02.01	Straw Blanket Type ST 1
713.12.02.02	Straw Blanket Type ST 2
713.12.02.03	Straw Blanket Type STC
713.12.03.01	Jute Mat
713.12.04.01	Type C Coconut Mat
713.12.04.02	Coconut Blanket
713.12.05.01	Synthetic Polypropylene Mesh
713.12.07.01	Synthetic Erosion Control
713.12.08.01	Turf Reinforcement Mat

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Material Code	Geotextile (GEOT)
713.12.09.01	Weed Control Mat
716.02.00.01	Geotextile Separation High Survivability
716.02.00.02	Geotextile Separation Mod Survivability
716.03.00.01	Geotextile Stabilization - High Survivability
716.04.00.01	Geotextile Sub Drain Class A-High Survivability
716.04.00.02	Geotextile Sub Drain Class B-High Survivability
716.04.00.03	Geotextile Sub Drain Class C-High Survivability
716.04.00.04	Geotextile Sub Drain Class A-Mod Survivability
716.04.00.05	Geotextile Sub Drain Class B-Mod Survivability
716.04.00.06	Geotextile Sub Drain Class C-Mod Survivability
716.04.00.07	Geosynthetic Clay Liner
716.05.00.01	Geotextile Permanent Erosion Control Class-A High Survivability
716.05.00.02	Geotextile Permanent Erosion Control Class-B High Survivability
716.05.00.03	Geotextile Permanent Erosion Control Class-C High Survivability
716.05.00.04	Geotextile Permanent Erosion Control Class-A Moderate Survivability
716.05.00.05	Geotextile Permanent Erosion Control Class-B Moderate Survivability
716.05.00.06	Geotextile Permanent Erosion Control Class-C Moderate Survivability
716.06.00.01	Geotextile Stabilized Silt Fence
716.06.00.02	Geotextile Unstabilized Silt Fence

Material Code	Guardrail (GRD)
705.00.00.01	Concrete Barrier Rail
705.01.01.01	Box Beam Guardrail
705.01.01.02	Cable Guardrail
705.01.01.03	Metal Guardrail
705.01.01.04	Guardrail Hardware
705.01.01.05	Miscellaneous Guardrail
705.01.02.01	Wood Guardrail Post/Blockouts
705.01.02.02	Non-Wood Blockouts
705.01.05.01	Steel Guardrail Post
705.04.02.01	Flexible Guidepost

Material Code	Joint Material (JNT)
707.01.01.01	Expansion Joint Fillers - Cork
707.01.01.02	Joint Sealing Material
707.01.01.03	Expansion Joint
707.01.01.04	Expansion Joint - Asphalt Plug Joint
707.01.02.01	Concrete Joint Filler
707.01.02.02	Silicone Joint Seal
707.01.02.03	Fabric Reinforced Neoprene Joint Seal
707.02.01.01	Gasket

Material Code	Maintenance (MAIN)
MT 1	Salt (Maintenance)
MT 2	Salt Brine - NaCl (Maintenance)
MT 3	Corrosion Inhibited Salt
MT 4	Sanding Material
MT 5	Engine Oil Analysis

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Material Code	Maintenance (MAIN)
MT 6	Corrosion Inhibitor (Maintenance)
MT 7	De-Icer - $MgCl_2$ (Maintenance)
MT 8	De-Icer - $CaCl_2$ (Maintenance)

Material Code	Miscellaneous (MISC)
405.01.01.01	Quick Lime
608.03.02.01	Detectable Warning Devices, Type I
608.03.02.02	Detectable Warning Devices, Type II
611.02.04.01	Cattle Guard (Grate)
613.03.05.01	Concrete Filled Bag/Scrim Bag
623.02.00.01	Mailbox/Support
710.02.00.01	Miscellaneous Paint
710.02.00.02	Aluminum Epoxy
710.02.00.03	Pipe Pile Epoxy
710.02.03.01	Zinc Rich Primer
713.01.00.01	Water for Concrete
713.02.00.01	Hydrated Lime
713.03.00.01	Calcium Chloride
713.03.00.02	Magnesium Chloride
713.04.01.01	Mortar Sand
713.04.01.02	Cement Grout
713.05.02.01	Topsoil
713.06.03.01	Mineral Filler
713.07.01.01	Concrete Curing/Protective Coating
713.07.01.02	Silane Sealer
713.08.01.01	Seed
713.09.00.01	Fertilizer
713.10.01.01	Mulch
713.10.03.01	Fabricated Netting
713.11.00.01	Sod
713.13.01.01	Compost-Mulch/Compost
MCS 1	Dyed Diesel

Material Code	Pavement Markings (PMM)
714.01.00.01	Tape/Tab
714.03.00.01	Preformed Plastic
714.04.00.02	Cold Weather Paint
714.05.00.01	Glass Beads MT Type 1
714.05.00.02	Glass Beads MT Type 2
714.06.00.01	Thermoplastic
714.07.01.01	Waterborne Paint
714.08.00.01	Epoxy Paint

Material Code	Pile (PILE)
559.04.06.01	Pile Driving Point
559.04.06.02	Pile Cutting Shoe
711.10.01.01	Structural Steel Piles
711.10.02.01	Steel Pipe Piles
711.10.03.01	Steel Fluted Pile

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Material Code	Pipes (PIPE)
708.01.01.01	Reinforced Concrete Pipe
708.02.00.01	Concrete Pressure Pipe
708.05.01.01	PVC Gravity Sewer & Drain Pipe
708.05.01.02	PVC Pipe Joint
708.06.01.01	PVC Pressure Water Pipe
708.07.00.01	HDPE Drainage Pipe
709.01.01.01	Ductile Iron Water Pipe
709.01.02.01	Steel Water Pipe
709.02.00.01	Corrugated Steel Pipe
709.03.00.01	Steel Structural Plate Pipe
709.05.00.01	Precoated Galv Steel Culvert/Underdrain
709.07.00.01	Corr Aluminum Pipe Culvert
709.09.00.01	Seamless Steel Pipe
709.10.00.01	Copper Pipe
709.12.00.01	Type II Aluminized Corr. Steel Pipe
PC 3	Pipe Inspection for Pipe Survey

Material Code	Plant Mix Pavement (PMP)
401.02.05.01	Anti-Stripping Additive
401.02.05.02	Recycling Agent
401.03.01.01	Plant Mix Surfacing Grade S (3/4")
401.03.01.02	Plant Mix Surfacing Grade S (1/2")
401.03.01.06	Plant Mix Surfacing Grade S (3/8")
401.03.01.03	Plant Mix Surfacing Grade D
401.03.01.05	Plant Mix Seal Course
401.03.02.01	EPA Specification Used Oil Fuel
405.01.21.01	Cold Recycled Plant Mix
405.02.01.01	Cold In-Place Recycled - Engr. Emulsion
PC 4	Cores for Stripping Analysis

Material Code	Lighting, Signals & Communication (LSM)
617.03.16.01	Variable Message Sign
617.04.02.01	Antenna
703.01.00.01	Electrical Submittal
703.02.01.01	PVC Conduit S40
703.02.01.02	PVC Conduit S80
703.02.02.01	Steel Conduit
703.03.01.01	Pull Boxes
703.04.02.01	Signal Standards Type 2/3
703.04.03.01	Luminaire Standard Type 10
703.04.05.01	Signal Standards Type 1
703.06.01.01	Conductor
703.06.01.02	Cable
703.07.00.01	Service & Control Assembly
703.08.02.01	Traffic Signal Cabinet
703.09.00.01	Pedestal, Cabinet
703.10.01.01	Traffic Signal Indication
703.10.01.02	LED Traffic Signal

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Material Code	Signals, Lighting & Communication (LSM)
703.10.02.01	Pedestrian Signal Indication
703.11.00.01	Detector Loop
703.12.00.01	Pedestrian Push Buttons
703.13.00.01	Luminaire
703.15.00.01	Emergency Vehicle Preemption
703.16.00.01	Class 4 Treated Timber Poles
703.17.02.01	Lighting Brackets
703.17.05.01	Line Material
703.17.06.01	Guys & Anchors
703.17.07.01	Overheight Detector

Material Code	Signing (SIGN)
619.03.08.01	Delineators
704.01.01.01	Signing Sheet Aluminum
704.01.03.01	Plywood
704.01.04.01	Steel Sign Posts
704.01.04.02	Structural Steel Sign Posts
704.01.04.05	Aluminum Sign Posts
704.01.05.01	Treated Timber Posts
704.01.06.01	Wood Posts & Poles
704.01.08.01	Overhead Structures
704.01.10.01	Retro-Reflective Sheeting/Letters
704.01.13.01	Sign Hardware

Material Code	Steel (STL)
501.02.03.01	Smooth Dowel Bars
501.02.03.02	Dowel Bar Sleeve
501.02.04.01	Tie Bars, Grade 40
711.01.01.01	Rebar Grade 40
711.01.01.02	Rebar Grade 60
711.01.01.03	Mechanical Rebar Connectors
711.01.03.01	Reinforcing Wire/ Wire Mesh
711.02.00.01	Structural Steel
711.03.00.01	Structural Steel Tubing
711.04.00.01	Pins & Rollers
711.06.00.01	High Tensile Strength Bolts
711.07.00.01	Bolts, Nuts, Threaded Rod
711.08.00.01	Galvanized Metal
711.09.00.01	Welded Stud Shear Connectors
711.11.00.01	Prestressing Steel
711.12.01.01	Steel Castings
711.12.03.01	Miscellaneous Drainage Castings
711.14.00.01	Elastometric Bearing Devices
711.15.00.01	Compression Joint Seals
711.16.00.01	Fiber Reinforced Pads
711.17.00.01	Metal Bin-Type Retaining Walls
711.18.00.01	Soil Nails - Hollow Bar Steel

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	Material Code	Stream Preservation (STPR)
	208.02.01.01	Plants - Trees & Shrubs
	208.02.02.01	Log
	208.02.02.02	Log & Root Wad
	208.02.02.03	Boulders - Stream Pres/Fish Habitat
	208.02.03.01	Streambed Material

	Material Code	Timber (TMBR)
	558.02.00.01	Timber Piles
	558.02.00.02	Structural Timber

	Material Code	Traffic Control (TFCC)
	618.03.02.01	NCHRP 350/Mash Documentation

BUY AMERICA CATEGORY 1 ITEMS

GUARDRAIL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONCRETE BARRIER RAIL 705.00.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			NEEDED FOR CAST IN PLACE AND NON-PREINSPECTED PRODUCTS MANDATORY SUBMITTAL OF DOCUMENTATION
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	ONE PER PROJECT		PRE-INSPECTION		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BOX BEAM GUARDRAIL 705.01.01.01	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CABLE GUARDRAIL 705.01.01.02	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
METAL GUARDRAIL 705.01.01.03	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL GUARDRAIL POST 705.01.05.01	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	CERT VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

BUY AMERICA CATEGORY 1 ITEMS

PILE SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL STEEL PILES 711.10.01.01A 711.10.01.01L	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL PIPE PILES 711.10.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL FLUTED PILES 711.10.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

PIPES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DUCTILE IRON WATER PIPE 709.01.01.01	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

BUY AMERICA CATEGORY 1 ITEMS

PIPES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL WATER PIPE 709.01.02.01	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CORRUGATED STEEL PIPE 709.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL STRUCTURAL PLATE PIPE 709.03.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRECOATED GALV. STEEL CULVERT/ UNDERDRAIN 709.05.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SEAMLESS STEEL PIPE 709.09.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

BUY AMERICA CATEGORY 1 ITEMS

PIPES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TYPE II ALUMINIZED CORR. STEEL PIPE 709.12.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER PROJECT PER SIZE	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

LIGHTING, SIGNALS & COMMUNICATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SIGNAL STANDARDS TYPE 2/3 703.04.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM/LOT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LUMINAIRE STANDARD TYPE 10 703.04.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM/LOT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

SIGNING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL STEEL SIGN POSTS 704.01.04.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

BUY AMERICA CATEGORY 1 ITEMS

SIGNING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
OVERHEAD STRUCTURES 704.01.08.01	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	VISUAL	PRE-INSPECTION		VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

STEEL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SMOOTH DOWEL BARS 501.02.03.01	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION
	AASHTO M31 EPOXY COATED REBAR	2 EACH	ONE PER SHIPMENT	SAMPLE		TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DOWEL BAR SLEEVE 501.02.03.02	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

BUY AMERICA CATEGORY 1 ITEMS

STEEL SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TIE BARS, GRADE 40 501.02.04.01	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			QUALIFIED PRODUCTS LIST
	AASHTO M31 EPOXY COATED REBAR	2 - 3 FT (2 - 1 M)	ONE TEST PER BAR SIZE	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	MT 414 REINFORCING STEEL						
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REBAR GRADE 40 711.01.01.01	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			QUALIFIED PRODUCTS LIST
	AASHTO M31 EPOXY COATED REBAR	2 - 3 FT (2 - 1 M)	ONE TEST PER BAR SIZE	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	MT 414 REINFORCING STEEL						
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

BUY AMERICA CATEGORY 1 ITEMS

STEEL SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REBAR GRADE 60 711.01.01.02	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			QUALIFIED PRODUCTS LIST
	AASHTO M31 EPOXY COATED REBAR	2 - 3 FT (2 - 1 M)	ONE TEST PER BAR SIZE	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	MT 414 REINFORCING STEEL						
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL STEEL 711.02.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION REQUIRED ONLY IF MATERIAL HAS NOT BEEN PRE-INSPECTED
	MT 415 STRUCTURAL STEEL	1 EACH			PRE-INSPECTION		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL STEEL TUBING 711.03.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

BUY AMERICA CATEGORY 1 ITEMS

STEEL SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PINS & ROLLERS 711.04.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HIGH TENSILE STRENGTH BOLTS 711.06.00.01	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION
	MT 407 HIGH STRENGTH BOLTS	1 BOLT	ONE TEST PER LOT/BATCH	SAMPLE		TEST	
	ASTM F595 DIRECT TENSION INDICATORS	1 DTI	ONE TEST PER LOT/BATCH				

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WELDED STUD SHEAR CONNECTORS 711.09.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION REQUIRED ONLY IF MATERIAL HAS NOT BEEN PRE-INSPECTED
	MT 409 WELDED STUD SHEAR CONNECTORS	1 EACH			PRE-INSPECTION		

BUY AMERICA CATEGORY 1 ITEMS

STEEL SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRESTRESSING STEEL 711.11.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER		PRE-INSPECTION		MANDATORY SUBMITTAL OF DOCUMENTATION
	ASTM A416 SEVEN WIRE STRAND	8 FT (3 M)	ONE TEST PER LOT				

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL CASTINGS 711.12.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MISCELLANEOUS DRAINAGE CASTINGS 711.12.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ELASTOMERIC BEARING DEVICES 711.14.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

BUY AMERICA CATEGORY 1 ITEMS

STEEL SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
METAL BIN-TYPE RETAINING WALLS 711.17.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SOIL NAILS - HOLLOW BAR STEEL 711.18.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

BUY AMERICA CATEGORY 2 ITEMS

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRECAST PRESTRESSED DECK SECTIONS 553.02.08.01	CERT/ VISUAL INSPECTION	N/A	ONE PER DECK SECTION	VISUAL			
	MT 111 PRESTRESSED STRUCTURAL MEMBERS	PER MT 111			PRE-INSPECTION		
	STEEL CERT CATEGORY 2	1 EACH	ONE PER BID ITEM DELIVERED				MANDATORY SUBMITTAL OF DOCUMENTATION
	ASTM A416 SEVEN WIRE STRAND	8 FT (3 M)	ONE PER LOT				

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRESTRESSED BEAM 553.02.09.01	CERT/ VISUAL INSPECTION	N/A	ONE PER BEAM	VISUAL			
	MT 111 PRESTRESSED STRUCTURAL MEMBERS	PER MT 111			PRE-INSPECTION		
	STEEL CERT CATEGORY 2	1 EACH	ONE PER BID ITEM DELIVERED				MANDATORY SUBMITTAL OF DOCUMENTATION
	ASTM A416 SEVEN WIRE STRAND	8 FT (3 M)	ONE PER LOT				

BUY AMERICA CATEGORY 2 ITEMS

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRECAST CONCRETE CURB 554.04.01.01	CERT/ VISUAL INSPECTION	N/A	ONE PER TRUCK LOAD	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 2	N/A	ONE PER BID ITEM DELIVERED	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRECAST CONCRETE BRIDGE MEMBERS 554.04.03.01	CERT/ VISUAL INSPECTION	N/A	ONE PER MEMBER	VISUAL			
	MT 110 RCP AND ASSOCIATED ITEMS	PER MT 111			PRE-INSPECTION		
	STEEL CERT CATEGORY 2	N/A	ONE PER BID ITEM DELIVERED				MANDATORY SUBMITTAL OF DOCUMENTATION
	ASTM A416 SEVEN WIRE STRAND	8 FT (3 M)	ONE PER LOT	SAMPLE		TEST	REQUIRED ONLY WHEN MEMBER IS POST-TENSIONED

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CATTLE GUARD BASES 554.04.04.01	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	VISUAL			
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	REFER TO MT 110 FOR SAMPLE/TEST FREQUENCY		PRE-INSPECTION		
	STEEL CERT CATEGORY 2	N/A	ONE PER BID ITEM DELIVERED	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

BUY AMERICA CATEGORY 2 ITEMS

CONCRETE AND STRUCTURES

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRECAST CONCRETE PRODUCT - STRUCTURAL 554.04.06.01	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	VISUAL			
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	REFER TO MT 110 FOR SAMPLE/TEST FREQUENCY		PRE-INSPECTION		
	STEEL CERT CATEGORY 2	N/A	ONE PER BID ITEM DELIVERED	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRECAST CONCRETE PRODUCT - NON STRUCTURAL 554.04.06.02	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	VISUAL			
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	REFER TO MT 110 FOR SAMPLE/TEST FREQUENCY		PRE-INSPECTION		
	STEEL CERT CATEGORY 2	N/A	ONE PER BID ITEM DELIVERED	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

FENCING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CHAIN LINK FABRIC 712.01.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CHAIN LINK ROUND STEEL POST 712.01.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

BUY AMERICA CATEGORY 2 ITEMS

FENCING SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CHAIN LINK TUBULAR STEEL POST 712.01.03.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TIE/BRACE WIRE 712.01.06.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CHAIN LINK GATE 712.01.08.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WOVEN WIRE 712.02.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BARBED/ BARBLESS WIRE 712.02.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

BUY AMERICA CATEGORY 2 ITEMS

FENCING

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL FENCE POST 712.02.07.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
METAL GATE 712.02.09.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DEADMAN/ ANCHOR 712.02.12.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION ONLY IF STEEL PRODUCTS ARE USED

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MISCELLANEOUS FENCE MATERIAL 712.02.13.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION ONLY IF STEEL PRODUCTS ARE USED

GUARDRAIL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GUARDRAIL HARDWARE 705.01.01.04	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

BUY AMERICA CATEGORY 2 ITEMS

JOINT MATERIAL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EXPANSION JOINT 707.01.01.03	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MISCELLANEOUS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DETECTABLE WARNING DEVICES, TYPE I 608.03.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION ONLY IF STEEL PRODUCTS ARE USED

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DETECTABLE WARNING DEVICES, TYPE II 608.03.02.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CATTLE GUARD (GRATE) 611.02.04.01	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

BUY AMERICA CATEGORY 2 ITEMS

PIPES	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REINFORCED CONCRETE PIPE 708.01.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	VISUAL			PRE-INSPECTION IS NOT REQUIRED IF ITEM IS PRODUCED AT A CERTIFIED PLANT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER BID ITEM DELIVERED	CERT	PRE-INSPECTION		PLANT MUST PROVIDE CERTIFICATION THAT STEEL USED HAS BEEN MELTED AND MANUFACTURED IN THE UNITED STATES AND THAT THE PLANT HAS MAINTAINED SUPPORTING DOCUMENTATION
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	MONTHLY				PLANTS NEEDS TO BE INSPECTED MONTHLY, INCLUDING CERTIFIED PLANTS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONCRETE PRESSURE PIPE 708.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	VISUAL			PRE-INSPECTION IS NOT REQUIRED IF ITEM IS PRODUCED AT A CERTIFIED PLANT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER BID ITEM DELIVERED	CERT	PRE-INSPECTION		PLANT MUST PROVIDE CERTIFICATION THAT STEEL USED HAS BEEN MELTED AND MANUFACTURED IN THE UNITED STATES AND THAT THE PLANT HAS MAINTAINED SUPPORTING DOCUMENTATION
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	MONTHLY				PLANTS NEEDS TO BE INSPECTED MONTHLY, INCLUDING CERTIFIED PLANTS

BUY AMERICA CATEGORY 2 ITEMS

PILE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PILE DRIVING POINT 559.04.06.01	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PILE CUTTING SHOE 559.04.06.02	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

SIGNALS, LIGHTING & COMMUNICATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL CONDUIT 703.02.02.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PULL BOXES 703.03.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	CERT			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SIGNAL STANDARDS TYPE 1 703.04.05.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM/LOT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

BUY AMERICA CATEGORY 2 ITEMS

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TRAFFIC SIGNAL CABINET 703.08.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PEDESTAL, CABINET 703.09.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LUMINAIRE 703.13.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LIGHTING BRACKETS 703.17.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

BUY AMERICA CATEGORY 2 ITEMS

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LINE MATERIAL 703.17.05.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GUYS & ANCHORS 703.17.06.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

SIGNING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DELINEATORS 619.03.08.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT/BATCH	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL SIGN POSTS 704.01.04.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITAL OF DOCUMENTATION

BUY AMERICA CATEGORY 2 ITEMS

SIGNING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SIGN HARDWARE 704.01.13.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT/BATCH	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

STEEL

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MECHANICAL REBAR CONNECTORS 711.01.01.03	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REINFORCING WIRE, WIRE MESH 711.01.03.01	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BOLTS, NUTS, THREADED ROD 711.07.00.01	CERT/ VISUAL INSPECTION	N/A	ONE TEST PER LOT/BATCH	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GALVANIZED METAL 711.08.00.01	CERT/ VISUAL INSPECTION	N/A	ONE TEST PER LOT/BATCH	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

AGGREGATE	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 10/11/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FINE CONCRETE AGGREGATE - DURING PRODUCTION 701.01.01.01	MT 201 SAMPLING	15 LBS (7 KG)	PAVING: ONE TEST PER EVERY 750 CU YDS (600 M^3) STRUCTURES: ONE SAMPLE FOR EACH 125 CU YDS (100 M^3) OF CONCRETE WITH A MINIMUM OF ONE SAMPLE PER PROJECT	SAMPLE			SAMPLES SHALL BE TAKEN FROM THE STORAGE BIN AT POINT OF MIXING OR FROM DEVICE THAT CHARGES THE STORAGE BIN. ANY DEVIATION FROM THIS SAMPLING PROCEDURE MUST BE APPROVED BY MATERIALS ENGINEER.
	MT 202 FINE CONCRETE AGGREGATE GRADATION			TEST			
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 FINE CONCRETE AGGREGATE GRADATION	15 LBS (7 KG)	PAVING: ONE SAMPLE FOR EACH TWO LANE MILE (1.6 KM), MINIMUM OF ONE SAMPLE FOR PROJECTS LESS THAN ONE MILE STRUCTURES: AT LEAST ONE SAMPLE FOR EVERY 4 SAMPLES, MINIMUM OF ONE PER PROJECT/CONTRACT	SAMPLE TEST	TEST	TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FINE CONCRETE AGGREGATE - SOURCE 701.01.01.01	MT 201 SAMPLING	50 LBS (23 KG)	PROPOSED SOURCE: THREE 50 LB (23 KG) COMPOSITE SAMPLES FROM EACH SOURCE ESTABLISHED SOURCE: ONE 30 LB (14 KG) SAMPLE FOR EACH CONSTRUCTION SEASON FOR MIX DESIGN CHECK AND QUALITY CONTROL		SAMPLE		
	MT 202 FINE CONCRETE AGGREGATE GRADATION				TEST	TEST	
	AASHTO T 21 ORGANIC IMPURITIES IN FINE AGGREGATE						
	MT 203 UNIT WEIGHT						
	MT 204 SPECIFIC GRAVITY						
	AASHTO T 104 SOUNDNESS SODIUM SULFATE (FINE AGG)						

AGGREGATE	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 10/11/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COARSE CONCRETE AGGREGATE GRADE 2 - DURING PRODUCTION 701.01.02.01	MT 201 SAMPLING	30 LBS (14 KG)	PAVING: ONE TEST PER EVERY 750 CU YDS (600 M^3) STRUCTURES: ONE SAMPLE FOR EACH 125 CU YDS (100 M^3) OF CONCRETE WITH A MINIMUM OF ONE SAMPLE PER PROJECT	SAMPLE			SAMPLES SHALL BE TAKEN FROM THE STORAGE BIN AT THE POINT OF MIXING OR FROM THE DEVICE THAT CHARGES THE STORAGE BIN. ANY DEVIATION FROM THIS SAMPLING PROCEDURE MUST BE APPROVED BY THE MATERIALS ENGINEER.
	MT 202 COARSE CONCRETE AGGREGATE GRADATION			TEST			
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 COARSE CONCRETE AGGREGATE GRADATION	30 LBS (14 KG)	PAVING: ONE SAMPLE OF EACH SIZE FOR EACH TWO LANE MILE (1.6 KM), MINIMUM OF ONE SAMPLE FOR PROJECTS LESS THAN ONE MILE STRUCTURES: AT LEAST ONE SAMPLE FOR EVERY 4 SAMPLES, MINIMUM OF ONE PER PROJECT/CONTRACT	SAMPLE TEST	TEST	TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COARSE CONCRETE AGGREGATE GRADE 2 - SOURCE 701.01.02.01	MT 201 SAMPLING	50 LBS (23 KG)	PROPOSED SOURCE: THREE 50 LB (23 KG) COMPOSITE SAMPLES FROM EACH SOURCE ESTABLISHED SOURCE: ONE 50 LB (23KG) SAMPLE FOR EACH CONSTRUCTION SEASON FOR MIX DESIGN CHECK AND QUALITY CONTROL		SAMPLE		
	MT 202 COARSE CONCRETE AGGREGATE GRADATION				TEST	TEST	
	MT 203 UNIT WEIGHT						
	AASHTO T 104 SOUNDNESS SODIUM SULFATE						
	MT 205 SPECIFIC GRAVITY						
	MT 209 LOS ANGELES ABRASION						

AGGREGATE SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
INTERMEDIATE CONCRETE AGGREGATE - DURING PRODUCTION 701.01.03.01	MT 201 SAMPLING	30 LBS (14 KG)	PAVING: ONE TEST PER EVERY 750 CU YDS (600 M^3) STRUCTURES: ONE SAMPLE FOR EACH 125 CU YDS (100 M^3) OF CONCRETE WITH A MINIMUM OF ONE SAMPLE PER PROJECT	SAMPLE			SAMPLES SHALL BE TAKEN FROM THE STORAGE BIN AT THE POINT OF MIXING OR FROM THE DEVICE THAT CHARGES THE STORAGE BIN. ANY DEVIATION FROM THIS SAMPLING PROCEDURE MUST BE APPROVED BY THE MATERIALS ENGINEER.
	MT 202 COARSE CONCRETE AGGREGATE GRADATION			TEST			
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 COARSE CONCRETE AGGREGATE GRADATION	30 LBS (14 KG)	PAVING: ONE SAMPLE OF EACH SIZE FOR EACH TWO LANE MILE (1.6 KM), MINIMUM OF ONE SAMPLE FOR PROJECTS LESS THAN ONE MILE STRUCTURES: AT LEAST ONE SAMPLE FOR EVERY 4 SAMPLES, MINIMUM OF ONE PER PROJECT/CONTRACT	SAMPLE TEST	TEST	TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
INTERMEDIATE CONCRETE AGGREGATE - SOURCE 701.01.03.01	MT 201 SAMPLING	50 LBS (23 KG)	PROPOSED SOURCE: THREE 50 LB (23 KG) COMPOSITE SAMPLES FROM EACH SOURCE ESTABLISHED SOURCE: ONE 50 LB (23KG) SAMPLE FOR EACH CONSTRUCTION SEASON FOR MIX DESIGN CHECK AND QUALITY CONTROL		SAMPLE		
	MT 202 COARSE CONCRETE AGGREGATE GRADATION				TEST	TEST	
	MT 203 UNIT WEIGHT						
	AASHTO T 104 SOUNDNESS SODIUM SULFATE						
	MT 205 SPECIFIC GRAVITY						
	MT 209 LOS ANGELES ABRASION						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BEDDING MATERIAL 701.04.01.01	MT 201 SAMPLING	30 LBS (14 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 210 (5.5LB) PROCTOR						FOR INFORMATION PURPOSES ONLY NEED 75 LB SAMPLE
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER INSTALLATION AND PER LIFT	TEST			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FOUNDATION MATERIAL 701.04.02.01	MT 201 SAMPLING	30 LBS (14 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 210 (5.5LB) PROCTOR						FOR INFORMATION PURPOSES ONLY NEED 75 LB SAMPLE
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER INSTALLATION AND PER LIFT	TEST			

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FILTER MATERIAL NUMBER 1 701.05.00.01	MT 201 SAMPLING	30 LBS (14 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FILTER MATERIAL NUMBER 2 701.05.00.02	MT 201 SAMPLING	30 LBS (14 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
RIP RAP - HAND LAID 701.06.01.01	SPEC TABLE 701-19 RANDOM RIP RAP	N/A	ONE TEST PER PROJECT	TEST			
	MDT FORM 127 RIP RAP	N/A	ONE TEST PER SOURCE	TEST			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
RIP RAP CLASS 1 701.06.02.01	SPEC TABLE 701-19 RANDOM RIP RAP	N/A	ONE TEST PER PROJECT	TEST			
	MDT FORM 127 RIP RAP	N/A	ONE TEST PER SOURCE	TEST			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
RIP RAP CLASS 2 701.06.02.02	SPEC TABLE 701-19 RANDOM RIP RAP	N/A	ONE TEST PER PROJECT	TEST			
	MDT FORM 127 RIP RAP	N/A	ONE TEST PER SOURCE	TEST			

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
RIP RAP CLASS 3 701.06.02.03	SPEC TABLE 701-19 RANDOM RIP RAP	N/A	ONE TEST PER PROJECT	TEST			
	MDT FORM 127 RIP RAP	N/A	ONE TEST PER SOURCE	TEST			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
RIP RAP CLASS - GROUTED 701.06.03.01	SPEC TABLE 701-19 RANDOM RIP RAP	N/A	ONE TEST PER PROJECT	TEST			
	MDT FORM 127 RIP RAP	N/A	ONE TEST PER SOURCE	TEST			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BANK PROTECTION TYPE 1 701.07.00.01	SPEC TABLE 701-20 BANK PROTECTION	N/A	ONE TEST PER PROJECT	TEST			
	MDT FORM 127 BANK PROTECTION	N/A	ONE TEST PER SOURCE	TEST			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BANK PROTECTION TYPE 2 701.07.00.02	SPEC TABLE 701-20 BANK PROTECTION	N/A	ONE TEST PER PROJECT	TEST			
	MDT FORM 127 BANK PROTECTION	N/A	ONE TEST PER SOURCE	TEST			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BANK PROTECTION TYPE 3 701.07.00.03	SPEC TABLE 701-20 BANK PROTECTION	N/A	ONE TEST PER PROJECT	TEST			
	MDT FORM 127 BANK PROTECTION	N/A	ONE TEST PER SOURCE	TEST			

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BANK PROTECTION TYPE 4 701.07.00.04	SPEC TABLE 701-20 BANK PROTECTION	N/A	ONE TEST PER PROJECT	TEST			
	MDT FORM 127 BANK PROTECTION	N/A	ONE TEST PER SOURCE	TEST			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SAND - GRAVEL CUSHION 701.08.00.01	MT 201 SAMPLING	30 LBS (14 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 210 (5.5LB) PROCTOR						FOR INFORMATION PURPOSES ONLY
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER INSTALLATION	TEST			

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BRIDGE END/ RETAINING WALL BACKFILL 701.09.00.01	MT 201 SAMPLING	30 LBS (14 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 208 LIQUID LIMIT						
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 217 FRACTURE						FOR INFORMATION PURPOSES ONLY
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 214 SOIL CLASS						
	MT 231 COARSE PARTICLE CORRECTION						
	AASHTO T 104 SOUNDNESS SODIUM SULFATE	30 LBS (14 KG)		SAMPLE		TEST	ONLY REQUIRED FOR MSE WALLS WITH METAL REINFORCEMENT
	AASHTO T 267 ORGANIC CONTENT IN SOILS						
	AASHTO T 288 SOIL RESISTIVITY						
	AASHTO T 289 pH OF SOIL						
	AASHTO T 290 SULFATE CONTENT IN SOIL						
	AASHTO T 291 CHLORIDE IN SOIL						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER INSTALLATION AND PER LIFT	TEST			

AGGREGATE	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 10/11/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DRAIN AGGREGATE 701.10.00.01	MT 201 SAMPLING	30 LBS (14 KG)	ONE TEST PER PROJECT	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GLASS CULLET 701.11.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

AGGREGATE	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 10/11/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PROPOSED SURFACING (GRAVEL PIT) PC 1	MT 200 PREPARATION	SAMPLE PER MT 201	ONE TEST PER SOURCE		VISUAL		
	MT 201 SAMPLING				SAMPLE		
	MT 202 SIEVE ANALYSIS				TEST		
	MT 208 LIQUID LIMIT						
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 209 LOS ANGELES ABRASION					TEST	
	MT 214 SOIL CLASS				TEST		
	MT 223 CLAY LUMPS & FRIABLE PARTICLES						
	MT 233 MICRO-DEVAL						
	MT 305 VOLUME SWELL-CALIPER/MERCURY						
	MT 322 ADHESION						
	AASHTO T 104 SOUNDNESS SODIUM SULFATE						
	AASHTO T 190 R-VALUE						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SOILS FOR SOIL SURVEY PC 2	MT 200 PREPARATION	SAMPLE PER MT 207	ONE TEST PER LOCATION		VISUAL		THIS INFORMATION IS FOR DESIGN
	MT 207 CENTERLINE SOIL SURVEY				SAMPLE		
	MT 201 SAMPLING						
	MT 202 SIEVE ANALYSIS				TEST		
	MT 208 LIQUID LIMIT						
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 214 SOIL CLASS						
	MT 220 SPECIFIC GRAVITY OF SOILS					TEST	
	MT 232 SOILS CORROSION						
	AASHTO T 190 R-VALUE						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SHOULDER GRAVEL 301.03.06.01C 301.03.06.01T	MT 201 SAMPLING	30 LBS (14 KG)	ONE TEST PER PROJECT RESAMPLE IF MATERIAL CHANGES	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PULVERIZED/ MILLED BITUMINOUS PAVEMENT 302.03.01.01	CERT/ VISUAL INSPECTION	N/A	ONE PER PROJECT	VISUAL			
	MT 202 SIEVE ANALYSIS	10 LBS (5 KG)	VISUALLY INSPECT UNLESS QUESTIONABLE	TEST			
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	10 TESTS PER 2000 FT (610 M)	TEST			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TRAFFIC GRAVEL	MT 201 SAMPLING	50 LBS (23 KG)	ONE TEST PER PROJECT RESAMPLE IF MATERIAL CHANGES	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SAND SURFACING GRADE 4 701.02.03.01	MT 201 SAMPLING	15 LBS (7 KG)	1 SAMPLE FOR EACH 2,500 TONS (MT) (1,250 CU YDS (M^3)), 1 LOT = 5 SAMPLES OR APPROX. 12,500 TONS (MT) (6,250 CU YDS (M^3))	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			
	MT 208 LIQUID LIMIT		ONE TEST PER PROJECT RESAMPLE IF MATERIAL CHANGES		TEST		
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	10 TESTS PER 2000 FT (610 M)	TEST			
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 SIEVE ANALYSIS	15 LBS (7 KG)	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE	SAMPLE TEST	TEST	TEST	

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CRUSHED BASE COURSE GRADE 5A 701.02.04.01C 701.02.04.01T	MT 201 SAMPLING	30 LBS (14 KG)	1 SAMPLE FOR EACH 2,500 TONS (MT) (1,250 CU YDS (M^3)), 1 LOT = 5 SAMPLES OR APPROX. 12,500 TONS (MT) (6,250 CU YDS or (M^3))	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			
	MT 217 FRACTURE						
	MT 208 LIQUID LIMIT	50 LBS (23 KG)	TWO TESTS PER MATERIAL TYPE RESAMPLE IF MATERIAL CHANGES		SAMPLE TEST		
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	10 TESTS PER 2000 FT (610 M)	TEST			
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 SIEVE ANALYSIS	30 LBS (14 KG)	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE	SAMPLE TEST	TEST	TEST	
	MT 217 FRACTURE						
	MT 208 LIQUID LIMIT		1 SAMPLE PER SOURCE				
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CRUSHED BASE COURSE GRADE 6A 701.02.04.02C 701.02.04.02T	MT 201 SAMPLING	30 LBS (14 KG)	1 SAMPLE FOR EACH 2,500 TONS (MT) (1,250 CU YDS (M^3)), 1 LOT = 5 SAMPLES OR APPROX. 12,500 TONS (MT) (6,250 CU YDS or (M^3))	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			
	MT 217 FRACTURE						
	MT 208 LIQUID LIMIT	50 LBS (23 KG)	TWO TESTS PER MATERIAL TYPE RESAMPLE IF MATERIAL CHANGES		SAMPLE TEST		
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	10 TESTS PER 2000 FT (610 M)	TEST			
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 SIEVE ANALYSIS	30 LBS (14 KG)	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE	SAMPLE TEST	TEST	TEST	
	MT 217 FRACTURE						
	MT 208 LIQUID LIMIT		1 SAMPLE PER SOURCE				
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CRUSHED TOP SURFACING GRADE 2A 701.02.06.01C 701.02.06.01T	MT 201 SAMPLING	30 LBS (14 KG)	1 SAMPLE FOR EACH 2,500 TONS (MT) (1,250 CU YDS (M3)), 1 LOT = 5 SAMPLES OR APPROX. 12,500 TONS (MT) (6,250 CU YDS or (M3))	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			
	MT 217 FRACTURE						
	SPEC 701.02.6 DUST RATIO						
	MT 208 LIQUID LIMIT	50 LBS (23 KG)	TWO TESTS PER MATERIAL TYPE RESAMPLE IF MATERIAL CHANGES		SAMPLE TEST		
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	10 TESTS PER 2000 FT (610 M)	TEST			
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 SIEVE ANALYSIS	30 LBS (14 KG)	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE	SAMPLE TEST	TEST	TEST	
	MT 217 FRACTURE						
	MT 208 LIQUID LIMIT		1 SAMPLE PER SOURCE				
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CRUSHED TOP SURFACING GRADE 3B 701.02.07.01C 701.02.07.01T	MT 201 SAMPLING	30 LBS (14 KG)	1 SAMPLE FOR EACH 2,500 TONS (MT) (1,250 CU YDS (M3)), 1 LOT = 5 SAMPLES OR APPROX. 12,500 TONS (MT) (6,250 CU YDS or (M3))	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			
	SPEC 701.02.6 DUST RATIO						
	MT 208 LIQUID LIMIT	50 LBS (23 KG)	TWO TESTS PER MATERIAL TYPE RESAMPLE IF MATERIAL CHANGES		SAMPLE TEST		
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 217 FRACTURE			TEST			
	MT 231 COARSE PARTICLE CORRECTION						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	10 TESTS PER 2000 FT (610 M)	TEST			
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 SIEVE ANALYSIS	30 LBS (14 KG)	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE	SAMPLE TEST	TEST	TEST	
	MT 217 FRACTURE						
	MT 208 LIQUID LIMIT		1 SAMPLE PER SOURCE				
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CRUSHED COVER AGGREGATE GRADE 2A 701.02.08.01	MT 201 SAMPLING	30 LBS (14 KG)	1 SAMPLE FOR EACH 38,500 SQ YDS (32,000 M^2), 5 SAMPLES = 1 LOT OR APPROX. 192,500 SQ YDS (160,000 M^2)	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			
	MT 217 FRACTURE						
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 SIEVE ANALYSIS	30 LBS (14 KG)	ONE TEST FOR EACH LOT	SAMPLE TEST	TEST	TEST	
	MT 217 FRACTURE			TEST			
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER SOURCE	CERT			CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. APPLICATION RATES AND COMPATIBILITY TEST RESULTS ARE SUBMITTED IN THE CONTRACTOR'S MIX DESIGN. ADHESION RESULTS (MT 322) ARE AN ACCEPTABLE METHOD FOR COMPATABILITY.

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CRUSHED COVER AGGREGATE GRADE 4A 701.02.08.02	MT 201 SAMPLING	30 LBS (14 KG)	1 SAMPLE FOR EACH 38,500 SQ YDS (32,000 M^2), 5 SAMPLES = 1 LOT OR APPROX. 192,500 SQ YDS (160,000 M^2)	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			
	MT 217 FRACTURE						
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 SIEVE ANALYSIS	30 LBS (14 KG)	ONE TEST FOR EACH LOT	SAMPLE TEST	TEST	TEST	
	MT 217 FRACTURE			TEST			
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER SOURCE	CERT			CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. APPLICATION RATES AND COMPATIBILITY TEST RESULTS ARE SUBMITTED IN THE CONTRACTOR'S MIX DESIGN. ADHESION RESULTS (MT 322) ARE AN ACCEPTABLE METHOD FOR COMPATABILITY.

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SLURRY SEAL AGGREGATE 701.02.08.03	MT 201 SAMPLING	30 LBS (14 KG)	1 SAMPLE FOR EACH 38,500 SQ YDS (32,000 M^2), 5 SAMPLES = 1 LOT OR APPROX. 192,500 SQ YDS (160,000 M^2)	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			
	MT 217 FRACTURE						
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 SIEVE ANALYSIS	30 LBS (14 KG)	ONE TEST FOR EACH LOT	SAMPLE TEST	TEST	TEST	
	MT 217 FRACTURE			TEST			
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER SOURCE	CERT			CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MICROSURFACING AGGREGATE 701.02.08.04	MT 201 SAMPLING	30 LBS (14 KG)	1 SAMPLE FOR EACH 38,500 SQ YDS (32,000 M^2), 5 SAMPLES = 1 LOT OR APPROX. 192,500 SQ YDS (160,000 M^2)	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			
	MT 217 FRACTURE						
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 SIEVE ANALYSIS	30 LBS (14 KG)	ONE TEST FOR EACH LOT	SAMPLE TEST	TEST	TEST	
	MT 217 FRACTURE			TEST			
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER SOURCE	CERT			CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CEMENT TREATED BASE 701.02.09.01	MT 201 SAMPLING	30 LBS (14 KG)	1 SAMPLE FOR EACH 1,500 TONS (MT) (750 CU YDS (550 M^3)), 5 SAMPLES = 1 LOT	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			
	MT 208 LIQUID LIMIT				TEST		
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 216 SAMPLE CTB	20 LB (9 KG)	1 SET OF CYLINDERS PER 750 CU YDS (550 M^3) 5 SAMPLES = 1 LOT	SAMPLE			
	ASTM D1633 COMPRESSIVE STRENGTH OF MOLDED SOIL-CEMENT CYLINDERS					TEST	
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	1 TEST PER 750 CU YDS (550 M^3) 5 SAMPLES = 1 LOT	TEST			IF COMPACTION TEST FAILS, 2 ADDITIONAL TESTS ARE TO BE COMPLETED AND THE AVERAGE OF 3 TESTS IS THE RECORDED RESULTS
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 SIEVE ANALYSIS	30 LBS (14 KG)	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE	TEST	TEST	TEST	
	MT 208 LIQUID LIMIT		1 SAMPLE PER SOURCE				
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER SOURCE	CERT			CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN

BITUMINOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ANIONIC SLOW SET EMULSION SS-1 702.02.01.01	CERT/ VISUAL INSPECTION	2 - 1 QT (2 - 1 L) SAMPLES IN PLASTIC BOTTLES	ONE SAMPLE PER SHIPPING CONTAINER	CERT			
	MT 302 SAMPLING			SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY					TEST	
	AASHTO T 59 EMULSIFIED ASPHALTS						**PRIMARY TEST METHOD** EVAPORATIVE DISTILLATION **SECONDARY TEST METHOD** HIGH TEMPERATURE DISTILLATION
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CATIONIC SLOW SET EMULSION CSS-1 702.02.01.02	CERT/ VISUAL INSPECTION	2 - 1 QT (2 - 1 L) SAMPLES IN PLASTIC BOTTLES	ONE SAMPLE PER SHIPPING CONTAINER	CERT			
	MT 302 SAMPLING			SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY					TEST	
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS						PARTICLE CHARGE TEST IS PERFORMED **PRIMARY TEST METHOD** EVAPORATIVE DISTILLATION **SECONDARY TEST METHOD** HIGH TEMPERATURE DISTILLATION
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CATIONIC SLOW SET EMULSION CSS-1H 702.02.01.03	CERT/ VISUAL INSPECTION	2 - 1 QT (2 - 1 L) SAMPLES IN PLASTIC BOTTLES	ONE SAMPLE PER SHIPPING CONTAINER	CERT			
	MT 302 SAMPLING			SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY					TEST	
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS						PARTICLE CHARGE TEST IS PERFORMED **PRIMARY TEST METHOD** EVAPORATIVE DISTILLATION **SECONDARY TEST METHOD** HIGH TEMPERATURE DISTILLATION
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MEDIUM CURING LIQUID ASPHALT MC-800 702.02.05.01	CERT/ VISUAL INSPECTION	2 - 1 QT (2 - 1 L) SAMPLES IN METAL CANS	ONE SAMPLE PER SHIPPING CONTAINER	CERT			
	MT 302 SAMPLING			SAMPLE			
	AASHTO T 201 KINEMATIC VISCOSITY					TEST	
	AASHTO T 78 DISTILLATION OF CUTBACK ASPHALT						
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MEDIUM CURING LIQUID ASPHALT MC-70 702.02.05.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	CERT			QUALIFIED PRODUCTS LIST
	MT 302 SAMPLING	2 - 1 QT (2 - 1 L) SAMPLES IN METAL CANS	ONE SAMPLE PER SHIPPING CONTAINER	SAMPLE			SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	AASHTO T 201 KINEMATIC VISCOSITY					TEST	
	AASHTO T 78 DISTILLATION OF CUTBACK ASPHALT						
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HIGH FLOAT EMULSION HF-100 702.02.07.01	CERT/ VISUAL INSPECTION	2 - 1 QT (2 - 1 L) SAMPLES IN PLASTIC BOTTLES	ONE SAMPLE PER SHIPMENT	CERT			
	MT 302 SAMPLING			SAMPLE			
	AASHTO T 59 EMULSIFIED ASPHALTS					TEST	
	AASHTO T 72 SAYBOLT VISCOSITY						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
POLYMER MOD. CAT. RAPID SET EMULSION CRS-2P 702.02.08.01	CERT/ VISUAL INSPECTION	2 - 1 QT (2 - 1 L) SAMPLES IN PLASTIC BOTTLES	ONE SAMPLE PER SHIPPING CONTAINER	CERT			
	MT 302 SAMPLING			SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY					TEST	
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS						PARTICLE CHARGE TEST IS PERFORMED **PRIMARY TEST METHOD** EVAPORATIVE DISTILLATION **SECONDARY TEST METHOD** HIGH TEMPERATURE DISTILLATION
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CATIONIC RAPID SETTING EMULSION CRS-2 702.02.08.02	CERT/ VISUAL INSPECTION	2 - 1 QT (2 - 1 L) SAMPLES IN PLASTIC BOTTLES	ONE SAMPLE PER SHIPPING CONTAINER	CERT			
	MT 302 SAMPLING			SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY					TEST	
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS						PARTICLE CHARGE TEST IS PERFORMED **PRIMARY TEST METHOD** EVAPORATIVE DISTILLATION **SECONDARY TEST METHOD** HIGH TEMPERATURE DISTILLATION
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						

BITUMINOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CATIONIC QUICK SETTING EMULSION CQS-1h 702.02.08.03	CERT/ VISUAL INSPECTION	2 - 1 QT (2 - 1 L) SAMPLES IN PLASTIC BOTTLES	ONE SAMPLE PER SHIPPING CONTAINER				
	MT 302 SAMPLING			SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY					TEST	
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS						PARTICLE CHARGE TEST IS PERFORMED **PRIMARY TEST METHOD** EVAPORATIVE DISTILLATION **SECONDARY TEST METHOD** HIGH TEMPERATURE DISTILLATION
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						

BITUMINOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PERFORMANCE GRADED ASPHALT BINDER 58-28 702.02.09.06	CERT/ VISUAL INSPECTION	2 - 1 PINT (2-500 mL) SAMPLES IN METAL CANS	1 SAMPLE PER 25 TONS (MT) OF ASPHALT BINDER (1 LOT = 150 TONS (MT) OF ASPHALT BINDER) **COMMERCIAL MIXES** 1 SAMPLE PER 450 TONS (MT) OF PLANT MIX SURFACING (1 LOT = 2700 TONS (MT) OF PLANT MIX SURFACING)	CERT			
	MT 302 SAMPLING			SAMPLE			
	AASHTO T 316 VISCOSITY BY ROTATIONAL VISCOMETER					TEST	
	AASHTO T 48 CLEVELAND OPEN CUP						
	AASHTO T 228 SPECIFIC GRAVITY OF ASPHALT MATERIALS						
	AASHTO T 315 DYNAMIC SHEAR RHEOMETER						
	AASHTO T 240 ROLLING THIN-FILM OVEN						
	AASHTO R 28 PRESSURIZED AGING VESSEL						
	AASHTO T 313 BENDING BEAM RHEOMETER						
	AASHTO T 51 DUCTILITY OF ASPHALT						
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	
	MT 302 SAMPLING	N/A	1 PER 5 LOTS, MINIMUM OF 1 PER PROJECT (750 TONS OF ASPHALT BINDER)	SAMPLE	CHECK		

BITUMINOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PERFORMANCE GRADED ASPHALT BINDER 64-22 702.02.09.09	CERT/ VISUAL INSPECTION	2 - 1 PINT (2-500 mL) SAMPLES IN METAL CANS	1 SAMPLE PER 25 TONS (MT) OF ASPHALT BINDER (1 LOT = 150 TONS (MT) OF ASPHALT BINDER) **COMMERCIAL MIXES** 1 SAMPLE PER 450 TONS (MT) OF PLANT MIX SURFACING (1 LOT = 2700 TONS (MT) OF PLANT MIX SURFACING)	CERT			
	MT 302 SAMPLING			SAMPLE			
	AASHTO T 316 VISCOSITY BY ROTATIONAL VISCOMETER					TEST	
	AASHTO T 48 CLEVELAND OPEN CUP						
	AASHTO T 228 SPECIFIC GRAVITY OF ASPHALT MATERIALS						
	AASHTO T 315 DYNAMIC SHEAR RHEOMETER						
	AASHTO T 240 ROLLING THIN-FILM OVEN						
	AASHTO R 28 PRESSURIZED AGING VESSEL						
	AASHTO T 313 BENDING BEAM RHEOMETER						
	AASHTO T 51 DUCTILITY OF ASPHALT						
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	
	MT 302 SAMPLING	N/A	1 PER 5 LOTS, MINIMUM OF 1 PER PROJECT (750 TONS OF ASPHALT BINDER)	SAMPLE	CHECK		

BITUMINOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PERFORMANCE GRADED ASPHALT BINDER 64-28 702.02.09.10	CERT/ VISUAL INSPECTION	2 - 1 PINT (2-500 mL) SAMPLES IN METAL CANS	1 SAMPLE PER 25 TONS (MT) OF ASPHALT BINDER (1 LOT = 150 TONS (MT) OF ASPHALT BINDER) **COMMERCIAL MIXES** 1 SAMPLE PER 450 TONS (MT) OF PLANT MIX SURFACING (1 LOT = 2700 TONS (MT) OF PLANT MIX SURFACING)	CERT			
	MT 302 SAMPLING			SAMPLE			
	AASHTO T 316 VISCOSITY BY ROTATIONAL VISCOMETER					TEST	
	AASHTO T 48 CLEVELAND OPEN CUP						
	AASHTO T 228 SPECIFIC GRAVITY OF ASPHALT MATERIALS						
	AASHTO T 315 DYNAMIC SHEAR RHEOMETER						
	AASHTO T 240 ROLLING THIN-FILM OVEN						
	AASHTO R 28 PRESSURIZED AGING VESSEL						
	AASHTO T 313 BENDING BEAM RHEOMETER						
	AASHTO T 51 DUCTILITY OF ASPHALT						
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	
	MT 302 SAMPLING	N/A	1 PER 5 LOTS, MINIMUM OF 1 PER PROJECT (750 TONS OF ASPHALT BINDER)	SAMPLE	CHECK		

BITUMINOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PERFORMANCE GRADED ASPHALT BINDER 70-28 702.02.09.12	CERT/ VISUAL INSPECTION	2 - 1 PINT (2-500 mL) SAMPLES IN METAL CANS	1 SAMPLE PER 25 TONS (MT) OF ASPHALT BINDER (1 LOT = 150 TONS (MT) OF ASPHALT BINDER) **COMMERCIAL MIXES** 1 SAMPLE PER 450 TONS (MT) OF PLANT MIX SURFACING (1 LOT = 2700 TONS (MT) OF PLANT MIX SURFACING)	CERT			
	MT 302 SAMPLING			SAMPLE			
	AASHTO T 316 VISCOSITY BY ROTATIONAL VISCOMETER					TEST	
	AASHTO T 48 CLEVELAND OPEN CUP						
	AASHTO T 228 SPECIFIC GRAVITY OF ASPHALT MATERIALS						
	AASHTO T 315 DYNAMIC SHEAR RHEOMETER						
	AASHTO T 240 ROLLING THIN-FILM OVEN						
	AASHTO R 28 PRESSURIZED AGING VESSEL						
	AASHTO T 313 BENDING BEAM RHEOMETER						
	AASHTO T 51 DUCTILITY OF ASPHALT						
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	
	MT 302 SAMPLING	N/A	1 PER 5 LOTS, MINIMUM OF 1 PER PROJECT (750 TONS OF ASPHALT BINDER)	SAMPLE	CHECK		

BITUMINOUS PRIME & TACK COAT SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BLOTTER MATERIAL 407.02.02.01C 407.02.02.01T	MT 201 SAMPLING	30 LBS (14 KG)	ONE TEST PER PROJECT	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 208 LIQUID LIMIT						
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PORTLAND CEMENT 551.02.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER GRIND/BIN/SHIPMENT	CERT			QUALIFIED PRODUCTS LIST
	MT 108 SAMPLING	15 LBS (7 KG)	ONE PER PROJECT/CONTRACT PER TYPE OF CEMENT	SAMPLE			SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	AASHTO T 107 AUTOCLAVE					TEST	
	AASHTO T 153 FINENESS (BLAINE)						
	AASHTO T 137 AIR CONTENT						
	AASHTO T 129 CONSISTENCY						
	AASHTO T 131 VICAT						
	AASHTO T 154 GILLMORE						GILLMORE MAY BE RUN IN LIEU OF VICAT TIME OF SETTING
	AASHTO T 106 COMPRESSIVE STRENGTH OF MORTARS						
	MT 534 CHEMICAL ANALYSIS PORTLAND	2 OZ (50 G) AIRTIGHT					

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BLENDED CEMENT 551.02.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER GRIND/BIN/SHIPMENT	CERT			QUALIFIED PRODUCTS LIST
	MT 108 SAMPLING	15 LBS (7 KG)	ONE PER PROJECT/CONTRACT PER TYPE OF CEMENT	SAMPLE			SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	AASHTO T 107 AUTOCLAVE					TEST	
	ASTM C188 DENSITY						
	AASHTO T 153 FINENESS (BLAINE)						
	AASHTO T 137 AIR CONTENT						
	AASHTO T 129 CONSISTENCY						
	AASHTO T 131 VICAT						
	AASHTO T 154 GILLMORE						GILLMORE MAY BE RUN IN LIEU OF VICAT TIME OF SETTING
	AASHTO T 106 COMPRESSIVE STRENGTH OF MORTARS						
	MT 538 CHEMICAL ANALYSIS BLENDED	2 OZ (50 G) AIRTIGHT					

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FLY ASH 551.02.10.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER GRIND/BIN/SHIPMENT	CERT			QUALIFIED PRODUCTS LIST
	MT 108 SAMPLING	5 LBS (3 KG)	ONE PER PROJECT/ CONTRACT	SAMPLE			SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	MT 301 SIEVE ANALYSIS					TEST	
	AASHTO T 106 COMPRESSIVE STRENGTH OF MORTARS						
	AASHTO T 107 AUTOCLAVE						
	ASTM C188 DENSITY						
	ASTM C430 FINENESS (NO. 325 SIEVE)						
	MT 533 CHEMICAL ANALYSIS FLY ASH/POZZOLAN	2 OZ (50 G) AIRTIGHT					

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MICROSILICA /SILICA FUME 551.02.11.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER GRIND/BIN/SHIPMENT	CERT			QUALIFIED PRODUCTS LIST
	MT 108 SAMPLING	5 LBS (3 KG)	ONE TEST PER PROJECT	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	AASHTO T 106 COMPRESSIVE STRENGTH OF MORTARS						
	ASTM C430 FINENESS (NO. 325 SIEVE)						
	AASHTO T 137 AIR CONTENT						
	ASTM C188 DENSITY						
	MT 536 CHEMICAL ANALYSIS SILICA FUME						

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
METAKAOLIN 551.02.12.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER GRIND/BIN/SHIPMENT	CERT			QUALIFIED PRODUCTS LIST
	MT 108 SAMPLING	5 LBS (3 KG)	ONE TEST PER PROJECT	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	AASHTO T 106 COMPRESSIVE STRENGTH OF MORTARS						
	ASTM C430 FINENESS (NO. 325 SIEVE)						
	AASHTO T 137 AIR CONTENT						
	ASTM C188 DENSITY						
	MT 539 CHEMICAL ANALYSIS METAKAOLIN						

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GROUND GRANULATED BLAST FURNACE SLAG (GGBFS) 551.02.13.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER GRIND/BIN/SHIPMENT	CERT			QUALIFIED PRODUCTS LIST
	MT 108 SAMPLING	5 LBS (3 KG)	ONE TEST PER PROJECT	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	AASHTO T 106 COMPRESSIVE STRENGTH OF MORTARS						
	AASHTO T 153 FINENESS (BLAINE)						
	ASTM C430 FINENESS (NO. 325 SIEVE)						
	AASHTO T 137 AIR CONTENT						
	ASTM C188 DENSITY						
	MT 537 CHEMICAL ANALYSIS SLAG (GGBFS)						

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS D CONCRETE 551.03.01.01	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M3)	ONE SET OF THREE CYLINDERS PER LOT (1 LOT = 24 CU YDS (18 M^3))	SAMPLE		TEST	
	MT 102 AIR CONTENT	1 CU FT (0.03 M3)	ONE TEST FOR THE FIRST TWO LOADS AND THEN ONE TEST EVERY 24 CU YDS (18 M^3) THEREAFTER	SAMPLE TEST			TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED
	MT 104 SLUMP						
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE						
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 105 SAMPLING FRESH CONCRETE	POINT OF PLACE-MENT	MINIMUM OF ONE PER PROJECT	SAMPLE	CHECK		
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	2 CU FT (0.06 M3)				TEST	
	MT 102 AIR CONTENT			TEST			
	MT 104 SLUMP						
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	CERT		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS DD CONCRETE 551.03.01.02	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M3)	SEE STANDARD SPECIFICATION 553.03.7 SUBSECTION C.1	SAMPLE		TEST	
	MT 102 AIR CONTENT	1 CU FT (0.03 M3)	ONE TEST FOR THE FIRST TWO LOADS AND THEN ONE TEST EVERY 24 CU YDS (18 M^3) THEREAFTER	SAMPLE TEST			TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED
	MT 104 SLUMP						
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE						
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 105 SAMPLING FRESH CONCRETE	POINT OF PLACE-MENT	ONE PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE PER PROJECT	SAMPLE	CHECK		
	MT 102 AIR CONTENT	2 CU FT (0.06 M3)		TEST			
	MT 104 SLUMP						
	MT 101 COMPRESSIVE STRENGTH CYLINDERS		ONE SET OF THREE CYLINDERS PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE SET PER PROJECT	SAMPLE		TEST	
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	CERT		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS DP CONCRETE 551.03.01.03	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M3)	SEE STANDARD SPECIFICATION 553.03.7 SUBSECTION C.1	SAMPLE		TEST	
	MT 102 AIR CONTENT	1 CU FT (0.03 M3)	ONE TEST FOR THE FIRST TWO LOADS AND THEN ONE TEST EVERY 24 CU YDS (18 M^3) THEREAFTER	SAMPLE TEST			TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED
	MT 104 SLUMP						
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE						
	MT 103 THICKNESS OF CONCRETE USING A THICKNESS GAUGE	N/A	MIN OF ONE TEST PER 1000 FEET (300 M) OF TRAFFIC LANE OF PAVEMENT PLACED	SAMPLE TEST			PRIMARY TEST
	MT 106 MEASURING LENGTH OF CORES						SECONDARY TEST NOTE: USE ONLY IF THIN SECTIONS ARE IDENTIFIED PER MT 103 DEFICIENCIES ARE IDENTIFIED IN MDT STANDARD SPECS SECTION 501.03.20
	MT 112 OBTAINING AND TESTING DRILLED CONCRETE CORES						
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 105 SAMPLING FRESH CONCRETE	POINT OF PLACE-MENT	ONE PER 5000 CU YDS (3800 M^3) OR A MINIMUM OF ONE PER PROJECT	SAMPLE	CHECK		
	MT 102 AIR CONTENT	2 CU FT (0.06 M3)		TEST			
	MT 104 SLUMP						
	MT 101 COMPRESSIVE STRENGTH CYLINDERS		ONE SET OF THREE CYLINDERS PER 5000 CU YDS (M^3) OR A MINIMUM OF ONE SET PER PROJECT	SAMPLE		TEST	
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	CERT		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS DS CONCRETE 551.03.01.04	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M3)	ONE SET OF THREE CYLINDERS PER LOT (1 LOT = 24 CU YDS (18 M^3))	SAMPLE		TEST	
	MT 102 AIR CONTENT	1 CU FT (0.03 M3)	ONE TEST FOR THE FIRST TWO LOADS AND THEN ONE TEST EVERY 24 CU YDS (18 M^3) THEREAFTER	SAMPLE TEST			PERFORM MT 102 (AIR CONTENT) ONLY IF SPECIFIED
	MT 104 SLUMP						
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE						
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	CERT		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS F CONCRETE 551.03.01.05	CERT/ VISUAL INSPECTION	N/A	ONE PER LOAD	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRESTRESSED CONCRETE 551.03.01.06	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE			PRE-INSPECTION		
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M3)	MINIMUM OF ONE SET OF THREE CYLINDERS PER ITEM				
	MT 102 AIR CONTENT	1 CU FT (0.03 M3)	ONE TEST FOR THE FIRST LOAD AND ONE TEST EVERY 16 CU YDS (12 M^3)				TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED
	MT 104 SLUMP						
	AASHTO T 309 TEMPERATURE OF						
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	CERT		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS SD CONCRETE 551.03.01.07	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M3)	SEE STANDARD SPECIFICATION 553.03.7 SUBSECTION C.1	SAMPLE		TEST	
	AASHTO T 277 RAPID CHLORIDE PERMEABILITY TEST		ONE SET OF THREE CYLINDERS PER PROJECT				FOR INFORMATION ONLY
	MT 102 AIR CONTENT	1 CU FT (0.03 M3)	ONE TEST FOR THE FIRST TWO LOADS AND THEN ONE TEST EVERY 24 CU YDS (18 M^3) THEREAFTER	SAMPLE TEST			ACCEPTANCE AIR TESTS MUST BE TAKEN IN CONJUNCTION WITH COMPRESSIVE STRENGTH CYLINDERS TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED
	MT 104 SLUMP						
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE						
	MT 115 UNIT WEIGHT						FOR INFORMATION ONLY
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 105 SAMPLING FRESH CONCRETE	POINT OF PLACE-MENT	ONE PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE PER PROJECT	SAMPLE	CHECK		
	MT 102 AIR CONTENT	2 CU FT (0.06 M3)		TEST			
	MT 104 SLUMP						
	MT 101 COMPRESSIVE STRENGTH CYLINDERS		ONE SET OF THREE CYLINDERS PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE SET PER PROJECT	SAMPLE		TEST	
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	CERT		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.

MATERIAL/ MATERIAL CODE	Mix Design			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FLOWABLE FILL 551.03.01.08	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	CERT		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SELF CONSOLIDATING CONCRETE 551.03.01.09	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 117 COMPRESSIVE STRENGTH CYLINDERS OF SCC	1 CU FT (0.03 M3)	SAMPLE PER CONCRETE CLASS SD IN STANDARD SPECIFICATION 553.03.7 SUBSECTION C.1	SAMPLE		TEST	
	MT 118 AIR CONTENT SCC	1 CU FT (0.03 M3)	ONE TEST FOR THE FIRST TWO LOADS AND THEN ONE TEST EVERY 24 CU YDS (18 M^3) THEREAFTER	SAMPLE TEST			TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED
	MT 116 SLUMP FLOW SCC						
	ASTM C1621 PASSING ABILITY OF SCC BY J-RING						
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE						
	ASTM C1611 VISUAL STABILITY INDEX (VSI)		DETERMINE VSI EVERY TIME A SLUMP FLOW TEST IS CONDUCTED	VISUAL			
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 105 SAMPLING FRESH CONCRETE	POINT OF PLACE-MENT	ONE PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE PER PROJECT	SAMPLE	CHECK		
	MT 118 AIR CONTENT SCC	2 CU FT (0.06 M3)		TEST			
	MT 116 SLUMP FLOW SCC						
	ASTM C1621 PASSING ABILITY OF SCC BY J-RING						
	ASTM C1611 VISUAL STABILITY INDEX			VISUAL			
	MT 117 COMPRESSIVE STRENGTH CYLINDERS OF SCC		ONE SET OF THREE CYLINDERS PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE SET PER PROJECT	SAMPLE		TEST	
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	CERT		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS DD-BRIDGE CONCRETE 551.03.01.10	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M3)	SEE STANDARD SPECIFICATION 553.03.7 SUBSECTION C.1	SAMPLE		TEST	
	MT 102 AIR CONTENT	1 CU FT (0.03 M3)	ONE TEST FOR THE FIRST TWO LOADS AND THEN ONE TEST EVERY 24 CU YDS (18 M^3) THEREAFTER	SAMPLE TEST			ACCEPTANCE AIR TESTS MUST BE TAKEN IN CONJUNCTION WITH COMPRESSIVE STRENGTH CYLINDERS TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED
	MT 104 SLUMP						
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE						
	MT 115 UNIT WEIGHT						FOR INFORMATION ONLY
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 105 SAMPLING FRESH CONCRETE	POINT OF PLACE-MENT	ONE PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE PER PROJECT	SAMPLE	CHECK		
	MT 102 AIR CONTENT	2 CU FT (0.06 M3)		TEST			
	MT 104 SLUMP						
	MT 101 COMPRESSIVE STRENGTH CYLINDERS		ONE SET OF THREE CYLINDERS PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE SET PER PROJECT	SAMPLE		TEST	
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	CERT		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS DRILLED SHAFT CONCRETE 551.03.01.11	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M3)	SEE STANDARD SPECIFICATION 553.03.7 SUBSECTION C.1	SAMPLE		TEST	
	AASHTO T 277 RAPID CHLORIDE PERMEABILITY TEST		ONE SET OF THREE CYLINDERS PER PROJECT				
	MT 102 AIR CONTENT	1 CU FT (0.03 M3)	ONE TEST FOR THE FIRST TWO LOADS AND THEN ONE TEST EVERY 24 CU YDS (18 M^3) THEREAFTER	SAMPLE TEST			TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED
	MT 104 SLUMP						
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE						
	MT 115 UNIT WEIGHT						FOR INFORMATION ONLY
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 105 SAMPLING FRESH CONCRETE	POINT OF PLACE-MENT	ONE PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE PER PROJECT	SAMPLE	CHECK		
	MT 102 AIR CONTENT	2 CU FT (0.06 M3)		TEST			
	MT 104 SLUMP						
	MT 101 COMPRESSIVE STRENGTH CYLINDERS		ONE SET OF THREE CYLINDERS PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE SET PER PROJECT	SAMPLE		TEST	
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	CERT		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SHOTCRETE 551.03.02.01	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	24"X24"X4" (600 MM X 600 MM X 100 MM) PANELS	TWO SETS OF THREE CYLINDERS PER LOT (1 LOT = 100 CU YDS (75 M^3)) (SMALL QUANTITES TESTED EVERY 25 CY (M^3)) MINIMUM OF ONE TEST PER INSTALLATION			TEST	
	ASTM C1140 SHOTCRETE PANELS		PER INSTALLATION				
	MT 102 AIR CONTENT	2 CU FT (0.06 M3)	ONE TEST FOR THE FIRST LOAD AND ONE TEST EVERY 16 CU YDS (12 M^3)	TEST			
	MT 104 SLUMP						
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	CERT		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ASTM C 309 TYPE II CURING COMPOUND 501.02.06.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONCRETE ADMIXTURE 551.02.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER TYPE OF ADMIXTURE	VISUAL			VERIFY ITEM IS INCLUDED IN THE CONCRETE MIX DESIGN

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EPOXY ADHESIVES 551.02.04.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EPOXY TYPE	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EPOXY RESIN GROUT 552.02.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRE-PACKAGED CONCRETE 552.02.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT, PER TYPE	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DECK DRAINS 552.03.16.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT, PER TYPE OF DRAIN	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HMWM BRIDGE DECK CRACK SEAL 552.03.21.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH NUMBER	CERT			REQUIRED TO BE ON THE QUALIFIED PRODUCTS LIST
	MT 535 HMWM IR TEST	2 - 4 OZ (2 - 125 mL) PLASTIC BOTTLES		SAMPLE		TEST	SAMPLE REQUIRED TO BE TAKEN FROM JOB SITE

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EPOXY BRIDGE DECK CRACK SEAL 552.03.21.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH NUMBER	CERT			REQUIRED TO BE ON THE QUALIFIED PRODUCTS LIST

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRECAST PRESTRESSED DECK SECTIONS 553.02.08.01	CERT/ VISUAL INSPECTION	N/A	ONE PER DECK SECTION	VISUAL			
	MT 111 PRESTRESSED STRUCTURAL MEMBERS	PER MT 111			PRE-INSPECTION		
	STEEL CERT CATEGORY 2	1 EACH	ONE PER BID ITEM DELIVERED				MANDATORY SUBMITTAL OF ALL DOCUMENTATION
	ASTM A416 SEVEN WIRE STRAND	8 FT (3 M)	ONE PER LOT				

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRESTRESSED BEAM 553.02.09.01	CERT/ VISUAL INSPECTION	N/A	ONE PER BEAM	VISUAL			
	MT 111 PRESTRESSED STRUCTURAL MEMBERS	PER MT 111			PRE-INSPECTION		
	STEEL CERT CATEGORY 2	1 EACH	ONE PER BID ITEM DELIVERED				MANDATORY SUBMITTAL OF ALL DOCUMENTATION
	ASTM A416 SEVEN WIRE STRAND	8 FT (3 M)	ONE PER LOT				

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRECAST CONCRETE CURB 554.04.01.01	CERT/ VISUAL INSPECTION	N/A	ONE PER TRUCK LOAD	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 2	N/A	ONE PER BID ITEM DELIVERED	CERT			MANDATORY SUBMITTAL OF ALL DOCUMENTATION

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRECAST CONCRETE BRIDGE MEMBERS 554.04.03.01	CERT/ VISUAL INSPECTION	N/A	ONE PER MEMBER	VISUAL			
	MT 110 RCP AND ASSOCIATED ITEMS	PER MT 111			PRE-INSPECTION		
	STEEL CERT CATEGORY 2	N/A	ONE PER BID ITEM DELIVERED				MANDATORY SUBMITTAL OF ALL DOCUMENTATION
	ASTM A416 SEVEN WIRE STRAND	8 FT (3 M)	ONE PER LOT	SAMPLE		TEST	REQUIRED ONLY WHEN MEMBER IS POST-TENSIONED

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CATTLE GUARD BASES 554.04.04.01	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	VISUAL			
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	REFER TO MT 110 FOR SAMPLE/TEST FREQUENCY		PRE-INSPECTION		
	STEEL CERT CATEGORY 2	N/A	ONE PER BID ITEM DELIVERED	CERT			MANDATORY SUBMITTAL OF ALL DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRECAST CONCRETE PRODUCT - STRUCTURAL 554.04.06.01	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	VISUAL			
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	REFER TO MT 110 FOR SAMPLE/TEST FREQUENCY		PRE-INSPECTION		
	STEEL CERT CATEGORY 2	N/A	ONE PER BID ITEM DELIVERED	CERT			MANDATORY SUBMITTAL OF ALL DOCUMENTATION

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRECAST CONCRETE PRODUCT - NON STRUCTURAL 554.04.06.02	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	VISUAL			
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	REFER TO MT 110 FOR SAMPLE/TEST FREQUENCY		PRE-INSPECTION		
	STEEL CERT CATEGORY 2	N/A	ONE PER BID ITEM DELIVERED	CERT			MANDATORY SUBMITTAL OF ALL DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MODIFIED CONCRETE LATEX OVERLAY 563.02.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	CERT			VERIFY LATEX MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M3)	ONE CYLINDER PER PLACEMENT	SAMPLE		TEST	
	AASHTO T 277 RAPID CHLORIDE PERMEABILITY TEST		ONE SET OF THREE CYLINDERS PER PROJECT				FOR INFORMATION ONLY
	MT 102 AIR CONTENT	1 CU FT (0.03 M3)	ONE TEST PER EACH MOBILE MIXER	SAMPLE TEST			
	MT 104 SLUMP						
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MODIFIED CONCRETE SILICA FUME/SD OVERLAY 563.02.02.01	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M3)	SAMPLE PER CONCRETE CLASS SD IN STANDARD SPECIFICATION 553.03.7 SUBSECTION C.1	SAMPLE		TEST	
	AASHTO T 277 RAPID CHLORIDE PERMEABILITY TEST		ONE SET OF THREE CYLINDERS PER PROJECT				FOR INFORMATION ONLY
	MT 102 AIR CONTENT	1 CU FT (0.03 M3)	ONE TEST FOR THE FIRST LOAD AND ONE TEST EVERY 16 CU YDS (12 M^3)	SAMPLE TEST			
	MT 104 SLUMP						
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WATERPROOF MEMBRANE 563.02.01.08	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT, PER TYPE	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

CRACK SEALING	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 10/11/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CRACK SEALANT 403.02.00.01L 403.02.00.01W	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D5329 JOINT AND CRACK SEALANTS	30 LBS (15 KG)	ONE SAMPLE FROM THE FIRST LOT FOR PRETESTING	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D6690 JOINT AND CRACK SEALANTS (LOW MODULUS)						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BACKER ROD 403.02.00.02L 403.02.00.02W	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

EXCAVATION SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SPECIAL BORROW 203.01.01.02	MT 201 SAMPLING	50 LBS (25 KG)	EACH SOURCE OF SPECIAL BORROW IS SUBJECT TO APPROVAL PRIOR TO PLACEMENT (ONE BORROW SOURCE PER 65,000 CU YDS (50,000 M^3)) MINIMUM EIGHT SAMPLES PER BORROW SOURCE 85% OF THE TESTS MUST MEET SOILS CLASSIFICATION OR R-VALUE REQUIREMENT	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 208 LIQUID LIMIT						
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 210 (5.5LB) PROCTOR						FOR INFORMATION PURPOSES ONLY
	MT 230 (10LB) PROCTOR						
	MT 214 SOIL CLASS						
	MT 231 COARSE PARTICLE CORRECTION						FOR INFORMATION PURPOSES ONLY
	AASHTO T 190 R-VALUE					TEST	TEST REQUIRED IF SPECIFIED IN THE SPECIAL PROVISIONS
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER 2000 CU YDS (1500 M^3) AND A MINIMUM OF ONE TEST PER LIFT	TEST			
	MT 218 RELATIVE COMPACTION AND % MOISTURE						
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	ONE PER EACH MILE OR ONE PER EVERY 100,000 CU YDS (75,000 M^3)	TEST	CHECK		

EXCAVATION SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EMBANKMENT 203.01.02.01	MT 201 SAMPLING	50 LBS (25 KG)	TEST MATERIAL AS NEEDED FOR SOILS CLASSIFICATION AND/OR PROCTOR	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 208 LIQUID LIMIT						
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 214 SOIL CLASS						
	MT 231 COARSE PARTICLE CORRECTION						FOR INFORMATION PURPOSES ONLY
	MT 220 SPECIFIC GRAVITY						
	MT 229 ZERO AIR VOIDS	N/A	MINIMUM OF ONE TEST PER 2000 CU YDS (1500 M^3) AND A MINIMUM OF ONE TEST PER LIFT	TEST			
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)						
	MT 218 RELATIVE COMPACTION AND % MOISTURE						
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	ONE PER EACH MILE OR ONE PER EVERY 100,000 CU YDS (75,000 M^3)	TEST	TEST		

EXCAVATION	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 10/11/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEMMING AGGREGATE FOR BLASTING 203.03.01.01	MT 201 SAMPLING	30 LBS (14 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX				TEST		
	MT 217 FRACTURE						

FENCING	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CHAIN LINK FABRIC 712.01.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CHAIN LINK ROUND STEEL POST 712.01.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CHAIN LINK TUBULAR STEEL POST 712.01.03.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CHAIN LINK ROUND ALUMINUM POST 712.01.03.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CHAIN LINK TUBULAR ALUMINUM POST 712.01.03.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TIE/BRACE WIRE 712.01.06.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CHAIN LINK GATE 712.01.08.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WOVEN WIRE 712.02.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BARBED/ BARBLESS WIRE 712.02.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL FENCE POST 712.02.07.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WOOD FENCE POST/BRACE RAIL 712.02.08.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	MT 404 INSPECTING WOOD PRODUCTS	20 BORINGS	ONE PER CHARGE		PRE-INSPECTION		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
METAL GATE 712.02.09.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DEADMAN/ ANCHOR 712.02.12.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION ONLY IF STEEL PRODUCTS ARE USED

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MISCELLANEOUS FENCE MATERIAL 712.02.13.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER FABRICATOR	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH		CERT			MANDATORY SUBMITTAL OF DOCUMENTATION ONLY IF STEEL PRODUCTS ARE USED

GEOTEXTILE SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOGRID - SUBGRADE/ FOUNDATION 622.01.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D6637 TENSILE PROPERTIES OF GEOGRID	3 FT (1 M) X WIDTH	ONE PER 10,000 SQ YD	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOGRID - SLOPE REINFORCEMENT 622.01.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D6637 TENSILE PROPERTIES OF GEOGRID	3 FT (1 M) X WIDTH	ONE PER 10,000 SQ YD	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOGRID - WALL REINFORCEMENT 622.01.01.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D6637 TENSILE PROPERTIES OF GEOGRID	3 FT (1 M) X WIDTH	ONE PER 10,000 SQ YD	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOCOMPOSITE STRIP DRAIN 622.02.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FIBER ROLL (STRAW WATTLE) 713.12.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WOOD EXCELSIOR TYPE EX 1 713.12.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTED ON MANUFACTURER'S CERTIFICATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WOOD EXCELSIOR TYPE EX 2 713.12.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTED ON MANUFACTURER'S CERTIFICATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WOOD EXCELSIOR TYPE EX 3 713.12.01.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTED ON MANUFACTURER'S CERTIFICATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRAW BLANKET TYPE ST 1 713.12.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTED ON MANUFACTURER'S CERTIFICATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRAW BLANKET TYPE ST 2 713.12.02.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTED ON MANUFACTURER'S CERTIFICATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRAW BLANKET TYPE STC 713.12.02.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTED ON MANUFACTURER'S CERTIFICATION

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
JUTE MAT 713.12.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTED ON MANUFACTURER'S CERTIFICATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TYPE C COCONUT MAT 713.12.04.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTED ON MANUFACTURER'S CERTIFICATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COCONUT BLANKET 713.12.04.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTED ON MANUFACTURER'S CERTIFICATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SYNTHETIC POLYPROPYLENE MESH 713.12.05.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTED ON MANUFACTURER'S CERTIFICATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SYNTHETIC EROSION CONTROL 713.12.07.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTED ON MANUFACTURER'S CERTIFICATION

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TURF REINFORCEMENT MAT 713.12.08.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTED ON MANUFACTURER'S CERTIFICATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WEED CONTROL MAT 713.12.09.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTED ON MANUFACTURER'S CERTIFICATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE SEPARATION - HIGH SURVIVABILITY 716.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE SEPARATION - MODERATE SURVIVABILITY 716.02.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE STABILIZATION - HIGH SURVIVABILITY 716.03.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE SUB DRAIN CLASS A - HIGH SURVIVABILITY 716.04.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE SUB DRAIN CLASS B - HIGH SURVIVABILITY 716.04.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE SUB DRAIN CLASS C - HIGH SURVIVABILITY 716.04.00.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE SUB DRAIN CLASS A - MODERATE SURVIVABILITY 716.04.00.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE SUB DRAIN CLASS B - MODERATE SURVIVABILITY 716.04.00.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE SUB DRAIN CLASS C - MODERATE SURVIVABILITY 716.04.00.06	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOSYNTHETIC CLAY LINER 716.04.00.07	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTED ON MANUFACTURER'S CERTIFICATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE PERMANENT EROSION CONTROL CLASS A - HIGH SURVIVABILITY 716.05.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE PERMANENT EROSION CONTROL CLASS B - HIGH SURVIVABILITY 716.05.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE PERMANENT EROSION CONTROL CLASS C - HIGH SURVIVABILITY 716.05.00.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE PERMANENT EROSION CONTROL CLASS A - MODERATE SURVIVABILITY 716.05.00.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE PERMANENT EROSION CONTROL CLASS B - MODERATE SURVIVABILITY 716.05.00.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE PERMANENT EROSION CONTROL CLASS C - MODERATE SURVIVABILITY 716.05.00.06	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE STABILIZED SILT FENCE 716.06.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4632 BREAKING LOAD AND ELONGATION	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY						
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOTEXTILE UNSTABILIZED SILT FENCE 716.06.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	ASTM D4632 BREAKING LOAD AND ELONGATION	PER MT 421	ONE PER 10,000 SQ YDS (8000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY						
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONCRETE BARRIER RAIL 705.00.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			NEEDED FOR CAST IN PLACE AND NON-PREINSPECTED PRODUCTS. MANDATORY SUBMITTAL OF DOCUMENTATION
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	ONE PER PROJECT		PRE-INSPECTION		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BOX BEAM GUARDRAIL 705.01.01.01	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CABLE GUARDRAIL 705.01.01.02	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
METAL GUARDRAIL 705.01.01.03	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GUARDRAIL HARDWARE 705.01.01.04	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MISCELLANEOUS GUARDRAIL 705.01.01.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WOOD GUARDRAIL POST/BLOCKOUTS 705.01.02.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT OR BATCH	VISUAL			
	MT 404 INSPECTING WOOD PRODUCTS	20 BORINGS	ONE PER CHARGE		PRE-INSPECTION		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
NON-WOOD BLOCKOUTS 705.01.02.02	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT OR BATCH	CERT VISUAL			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL GUARDRAIL POST 705.01.05.01	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	CERT VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FLEXIBLE GUIDEPOST 705.04.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EXPANSION JOINT FILLERS - CORK 707.01.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			QUALIFIED PRODUCTS LIST
	AASHTO M 153 PREFORMED SPONGE RUBBER & CORK EXPANSION JOINT FILLERS	6" X 24" (150 mm x 600 mm)	ONE PER PRODUCT	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
JOINT SEALING MATERIAL 707.01.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			QUALIFIED PRODUCTS LIST
	AASHTO M 324 JOINT AND CRACK SEALANTS	1 QT (1 L)	ONE PER LOT	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EXPANSION JOINT 707.01.01.03	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EXPANSION JOINT - ASPHALT PLUG JOINT 707.01.01.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONCRETE JOINT FILLER 707.01.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SILICONE JOINT SEAL 707.01.02.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FABRIC REINFORCED NEOPRENE JOINT SEAL 707.01.02.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GASKET 707.02.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MAINTENANCE SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SALT (MAINTENANCE) MT 1	CERT/ VISUAL INSPECTION	2 - 1 QT (2 - 1 L) PLASTIC BOTTLES (1 GAL SEALABLE BAG)	ONE PER TRUCK LOAD	CERT VISUAL			VISUALLY EVALUATE MATERIAL TO ENSURE ADEQUATE ANTI-CAKING
	MT 202 SALT GRADATION			SAMPLE	TEST		
	ASTM E 534 CHEMICAL ANALYSIS OF SODIUM CHLORIDE						TESTING OF MOISTURE CONTENT
	ASTM E 534 CHEMICAL ANALYSIS OF SODIUM CHLORIDE		AS NEEDED			TEST	SAMPLE IS TAKEN ONLY IF A PROBLEM IS NOTICED FOR INSOLUBLE RESIDUE

MAINTENANCE	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 10/11/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SALT BRINE - NaCl (MAINTENANCE) MT 2	MT 517 SPECIFIC GRAVITY FOR SALT BRINE	1 GALLON (4 LITERS)	ONE PER TRUCK LOAD	SAMPLE		TEST	
	MT 500 C.P.E.R.						CPER: CORROSION PERCENT EFFECTIVENESS RATING
	MT 501 PRECIPITATION INSPECTION						
	MT 502 TOTAL SETTLEABLE SOLIDS						
	MT 503 PERCENT PASSING #10 SIEVE						
	MT 504 Ph						
	MT 505 HIGH CONCENTRATION METALS						
	MT 506 LOW CONCENTRATION METALS						
	MT 507 ASSAY						
	MT 522 CYANIDE						

MAINTENANCE SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CORROSION INHIBITED SALT MT 3	CERT/ VISUAL INSPECTION	1 EACH	ONE PER TRUCK LOAD	CERT			
	ASTM D 632 SALT GRADATION	1 GALLON	ONE PER LOAD/STOCKPILE ADDITION	SAMPLE		TEST	
	MT 524 INSOLUBLE RESIDUE	1 GALLON	ONE PER TRUCK LOAD				
	MT 525 C.P.E.R.						CPER: CORROSION PERCENT EFFECTIVENESS RATING
	MT 526 MOISTURE ANALYSIS						
	MT 527 ASSAY/HIGH CONCENTRATION METALS						
	MT 528 LOW CONCENTRATION METALS						
	MT 529 CYANIDE						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SANDING MATERIAL MT 4	MT 201 SAMPLING	30 LBS	ONE PER 2,000 TONS	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 203 UNIT WEIGHT						

MAINTENANCE	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 10/11/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ENGINE OIL ANALYSIS MT 5	MT 520 ENGINE OIL ANALYSIS	50 mL	YEARLY/AS NEEDED	SAMPLE		TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CORROSION INHIBITOR (MAINTENANCE) MT 6	CERT/ VISUAL INSPECTION	1 EACH	ONE PER TRUCK LOAD	CERT			
	MT 408 SAMPLING LIQUID DEICING MATERIAL	1 GALLON	ONE PER TRUCK LOAD	SAMPLE			
	MT 514 C.P.E.R.					TEST	CPER: CORROSION PERCENT EFFECTIVENESS RATING
	MT 501 PRECIPITATION INSPECTION						
	MT 515 TOTAL SETTLEABLE SOLIDS AND % PASSING #10 SIEVE						
	MT 516 pH						
	MT 518 HIGH CONCENTRATION METALS						
	MT 519 LOW CONCENTRATION METALS						
	MT 523 CYANIDE						

MAINTENANCE SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DE-ICER $MgCl_2$ (MAINTENANCE) MT 7	CERT/ VISUAL INSPECTION	1 EACH	ONE PER TRUCK LOAD	CERT			
	MT 408 SAMPLING LIQUID DEICING MATERIAL	1 GALLON		SAMPLE			
	MT 517 SPECIFIC GRAVITY FOR SALT BRINE					TEST	
	MT 500 C.P.E.R.		ONE SAMPLE FOR THE FIRST LOAD OF THE SEASON, AND FOR EVERY 100,000 GALLONS				CPER: CORROSION PERCENT EFFECTIVENESS RATING
	MT 501 PRECIPITATION INSPECTION		ONE SAMPLE FOR THE FIRST LOAD OF THE SEASON, FOR EVERY FOURTH LOAD, AND FOR EVERY 100,000 GALLONS				
	MT 502 TOTAL SETTLEABLE SOLIDS						
	MT 504 pH						
	MT 508 HIGH CONCENTRATION METALS						
	MT 509 LOW CONCENTRATION METALS						
	MT 510 ASSAY						
	MT 522 CYANIDE						

MAINTENANCE SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DE-ICER $CaCl_2$ (MAINTENANCE) MT 8	CERT/ VISUAL INSPECTION	1 EACH	ONE PER TRUCK LOAD	CERT			
	MT 408 SAMPLING LIQUID DEICING MATERIAL	1 GALLON		SAMPLE			
	MT 517 SPECIFIC GRAVITY FOR SALT BRINE					TEST	
	MT 500 C.P.E.R.		ONE SAMPLE FOR THE FIRST LOAD OF THE SEASON, AND FOR EVERY 100,000 GALLONS				CPER: CORROSION PERCENT EFFECTIVENESS RATING
	MT 501 PRECIPITATION INSPECTION		ONE SAMPLE FOR THE FIRST LOAD OF THE SEASON, FOR EVERY FOURTH LOAD, AND FOR EVERY 100,000 GALLONS				
	MT 502 TOTAL SETTLEABLE SOLIDS						
	MT 504 pH						
	MT 511 HIGH CONCENTRATION METALS						
	MT 512 LOW CONCENTRATION METALS						
	MT 513 ASSAY						
	MT 522 CYANIDE						

MISCELLANEOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
QUICK LIME 405.01.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			SEE SPECIAL PROVISIONS 713.1
	MT 301 SIEVE ANALYSIS	5 LBS (3 KG)	ONE TEST PER PROJECT	SAMPLE		TEST	
	ASTM C25 CHEMICAL ANALYSIS	50 GRAM (2 OZ) AIRTIGHT	ONE TEST PER PROJECT			TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DETECTABLE WARNING DEVICES, TYPE I 608.03.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION ONLY IF STEEL PRODUCTS ARE USED

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DETECTABLE WARNING DEVICES, TYPE II 608.03.02.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CATTLE GUARD (GRATE) 611.02.04.01	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONCRETE FILLED BAG/SCRIM BAG 613.03.05.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MISCELLANEOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MAILBOX/SUPPORT 623.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MISCELLANEOUS PAINT 710.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ALUMINUM EPOXY 710.02.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PIPE PILE EPOXY 710.02.00.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ZINC RICH PRIMER 710.02.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WATER FOR CONCRETE 713.01.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER SOURCE	VISUAL			MUST BE POTABLE WATER

MISCELLANEOUS	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HYDRATED LIME 713.02.00.01	CERT/ VISUAL INSPECTION	N/A		CERT			QUALIFIED PRODUCTS LIST
	MT 201 SAMPLING	5 LBS (3 KG)	ONE PER PROJECT/ CONTRACT	SAMPLE			SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	MT 301 SIEVE ANALYSIS OF HYDRATED LIME					TEST	
	MT 530 CHEMCIAL ANALYSIS OF HYDRATED LIME	50 GRAM (2 OZ) AIRTIGHT				SAMPLE TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CALCIUM CHLORIDE 713.03.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOAD	CERT			
	MT 517 SPECIFIC GRAVITY FOR SALT BRINE	1 QT (1 LITER)	ONE PER LOAD	SAMPLE TEST			
	MT 531 ASSAY & SULFATE DETERMINATION OF $CaCl_2$	1 PINT (500 mL)	ONE PER PROJECT			SAMPLE TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MAGNESIUM CHLORIDE 713.03.00.02	CERT/ VISUAL INSPECTION	N/A	ONE PER LOAD	CERT			
	MT 517 SPECIFIC GRAVITY FOR SALT BRINE	1 QT (1 LITER)	ONE PER LOAD	SAMPLE TEST			
	MT 532 ASSAY & SULFATE DETERMINATION OF $MgCl_2$	1 PINT (500 mL)	ONE PER PROJECT			SAMPLE TEST	

MISCELLANEOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MORTAR SAND 713.04.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	CERT			CERTIFICATION IS THE GRADATION ON THE CONTAINER
	MT 202 SIEVE ANALYSIS	5 LBS (3 KG)	ONE PER SOURCE	SAMPLE TEST			REQUIRED WHEN PRODUCT IS NOT PREPACKAGED

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CEMENT GROUT 713.04.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			CERTIFICATION IS THE MIXTURE AND GRADATION ON THE CONTAINER
	AASHTO T 106 COMPRESSIVE STRENGTH OF MORTARS	1 CU FT (0.03 M3)	TWO SETS OF THREE CUBES PER EACH DAYS POUR	SAMPLE		TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TOPSOIL 713.05.02.01	MT 202 SIEVE ANALYSIS	2 LBS (1 KG)	ONE TEST PER SOURCE	SAMPLE			TESTING REQUIRED ON IMPORTED TOPSOIL ONLY
	MT 412 TOP SOIL					TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MINERAL FILLER 713.06.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			REQUIRED FOR PORTLAND CEMENT OR FLYASH
	MT 301 SIEVE ANALYSIS OF MINERAL FILLER	5 LBS (3 KG)	ONE PER SOURCE	SAMPLE		TEST	

MISCELLANEOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONCRETE CURING/ PROTECTIVE COATING 713.07.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SILANE SEALER 713.07.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SEED 713.08.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER BLEND	CERT			CERTIFICATION IS AN APPROVED SEED BLEND REPORT
	MT 403 GRASS SEED	1 QT (1 LITER)	ONE PER BLEND		PRE-INSPECTION		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FERTILIZER 713.09.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER BLEND	CERT			MUST MEET MT FERTILIZING LAWS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MULCH 713.10.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER BLEND	CERT			
	MT 540 ANALYSIS OF MULCH	5 LBS (3 KG) (1 OR 2 GAL SEALABLE BAGS)	ONE PER BLEND	SAMPLE		TEST	TESTING REQUIRED ON WOOD CELLULOSE AND RECYCLED PAPER FIBER MULCH ONLY

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FABRICATED NETTING 713.10.03.01	CERT/ VISUAL INSPECTION	N/A	VISUAL INSPECTION ONLY	VISUAL			EPM'S DISCRETION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SOD 713.11.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SUPPLIER	CERT			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COMPOST-MULCH/ COMPOST 713.13.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SUPPLIER	CERT			
	MT 541 ANALYSIS OF COMPOST	5 LBS (3 KG) (1 OR 2 GAL SEALABLE BAGS)	ONE PER BLEND	SAMPLE		TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DYED DIESEL MCS 1	MT 521 TEST FOR RED DYE 164	3 - 125mL SAMPLES MINIMUM	MINIMUM ONE PER OFFICER PER QUARTER/AS NEEDED	MCS SAMPLE		TEST	

PAVEMENT MARKINGS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TAPE/TAB 714.01.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PREFORMED PLASTIC 714.03.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER TYPE	CERT			
	ASTM D 638 TENSILE PROPERTIES	4"X1' (100 mm x 300 mm)	ONE PER TYPE	SAMPLE		TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COLD WEATHER PAINT 714.04.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	MT 410 WATERBORNE PAINT	2 - 1 QT (2 - 1 L) SAMPLES	ONE PER LOT OR BATCH	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GLASS BEADS MT TYPE 1 714.05.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GLASS BEADS MT TYPE 2 714.05.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

PAVEMENT MARKINGS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
THERMOPLASTIC 714.06.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			
	FEDERAL STANDARDS 595a COLOR	1 LB (0.5 KG) PER COLOR	ONE PER LOT OR BATCH			SAMPLE TEST	THIS PRODUCT IS SAMPLED PRIOR TO PLACEMENT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WATERBORNE PAINT 714.07.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	MT 410 WATERBORNE PAINT	2 - 1 QT (2 - 1L) OF EACH PIGMENT	ONE PER LOT OR BATCH	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EPOXY PAINT 714.08.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			QUALIFIED PRODUCTS LIST
	MT 410 EPOXY PAINT	2 - 1 QT (2 - 1L) OF EACH PIGMENT	ONE PER LOT OR BATCH	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST

PILE	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PILE DRIVING POINT 559.04.06.01	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PILE CUTTING SHOE 559.04.06.02	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL STEEL PILES 711.10.01.01A 711.10.01.01L	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL PIPE PILES 711.10.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL FLUTED PILES 711.10.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

PIPES	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REINFORCED CONCRETE PIPE 708.01.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	VISUAL			PRE-INSPECTION IS NOT REQUIRED IF ITEM IS PRODUCED AT A CERTIFIED PLANT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER BID ITEM DELIVERED	CERT	PRE-INSPECTION		PLANT MUST PROVIDE CERTIFICATION THAT STEEL USED HAS BEEN MELTED AND MANUFACTURED IN THE UNITED STATES AND THAT THE PLANT HAS MAINTAINED SUPPORTING DOCUMENTATION
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	MONTHLY				PLANTS NEEDS TO BE INSPECTED MONTHLY, INCLUDING CERTIFIED PLANTS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONCRETE PRESSURE PIPE 708.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	VISUAL			PRE-INSPECTION IS NOT REQUIRED IF ITEM IS PRODUCED AT A CERTIFIED PLANT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER BID ITEM DELIVERED	CERT	PRE-INSPECTION		PLANT MUST PROVIDE CERTIFICATION THAT STEEL USED HAS BEEN MELTED AND MANUFACTURED IN THE UNITED STATES AND THAT THE PLANT HAS MAINTAINED SUPPORTING DOCUMENTATION
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	MONTHLY				PLANTS NEEDS TO BE INSPECTED MONTHLY, INCLUDING CERTIFIED PLANTS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PVC GRAVITY SEWER & DRAIN PIPE 708.05.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

PIPES	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PVC PIPE JOINT 708.05.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PVC PRESSURE WATER PIPE 708.06.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HDPE DRAINAGE PIPE 708.07.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DUCTILE IRON WATER PIPE 709.01.01.01	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL WATER PIPE 709.01.02.01	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

PIPES	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CORRUGATED STEEL PIPE 709.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL STRUCTURAL PLATE PIPE 709.03.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRECOATED GALV. STEEL CULVERT/ UNDERDRAIN 709.05.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CORR. ALUMINUM PIPE CULVERT 709.07.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

PIPES	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SEAMLESS STEEL PIPE 709.09.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COPPER PIPE 709.10.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TYPE II ALUMINIZED CORR. STEEL PIPE 709.12.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER PROJECT PER SIZE	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PIPE INSPECTION FOR PIPE SURVEY PC 3	MT 207 WATER CORROSION	1 QT (1 LITER)	PROBABLE, PROPOSED OR EXISTING CENTERLINE OF PIPE, CHANNEL BOTTOM, BRIDGE LOCATIONS AND PROBABLE BORROW AREAS		SAMPLE	TEST	
	MT 232 SOILS CORROSION	5 LB (3 KG)			SAMPLE	TEST	

PLANT MIX PAVEMENT	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 10/11/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ANTI-STRIPPING ADDITIVE 401.02.05.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
RECYCLING AGENT 401.02.05.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

PLANT MIX PAVEMENT SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SURFACING GRADE S (3/4") 401.03.01.01	MT 303 SAMPLING BITUMINOUS PAVING MIXTURES	REFER TO MT 303	ONE EVERY 1000 TONS (MT) OF PLANT MIX PAVEMENT **COMMERCIAL MIXES** ONE EVERY 2000 TONS (MT) OF PLANT MIX PAVEMENT WITH A MINIMUM OF ONE SAMPLE FOR PROJECTS OVER 500 TONS (MT) (NO TESTS ARE REQUIRED FOR CONTRACTS UNDER 500 TONS (MT))		SAMPLE TEST		
	MT 309 REDUCING SAMPLES						
	MT 312 MOISTURE CONTENT		MINIMUM ONE PER DAY				
	MT 314 BULK SPECIFIC GRAVITY		ONE EVERY 1000 TONS (MTONS) OF PLANT MIX PAVEMENT **COMMERCIAL MIXES** ONE EVERY 2000 TONS (MTONS) OF PLANT MIX PAVEMENT WITH A MINIMUM OF ONE SAMPLE FOR PROJECTS OVER 500 TONS (MTONS) (NO TESTS ARE REQUIRED FOR CONTRACTS UNDER 500 TONS (MTONS))				
	MT 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS			TEST			
	MT 321 RICE SPECIFIC GRAVITY						
	MT 332 GYRATORY COMPACTION						
	MT 334 HAMBURG WHEEL-TRACK	45 LBS (20 KG)	ONCE INITIAL JOB MIX TARGETS ARE ESTABLISHED OR FOR START-UP MIX WITH TEST RESULTS OUTSIDE THE BROADBAND LIMITS		SAMPLE	TEST	ADDITIONAL SAMPLES MAY BE TAKEN AT EPM'S DISCRESSION
	MT 335 LINEAR KNEADING COMPACTION						
	DENSITY BY CORE	2 - 4" CORES	ONE EVERY 600 TONS (MT) PMP	SAMPLE	TEST		SPECIAL PROVISION SECTION 401
	MT 602 FINAL RECORD	2 CORES	PER TWO LANE MILE TAKEN AT 1/2 MILE (1 KM) INTERVALS		SAMPLE TEST		

PLANT MIX PAVEMENT	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS					Revised 10/11/12
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SURFACING GRADE S (3/4") 401.03.01.01	MT 309 REDUCING SAMPLES	N/A	ONCE PER PROJECT		TEST CHECK	CHECK	
	MT 314 BULK SPECIFIC GRAVITY						
	MT 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS						
	MT 321 RICE SPECIFIC GRAVITY						
	MT 332 GYRATORY COMPACTION						

PLANT MIX PAVEMENT	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS					Revised 10/11/12
	Mix Design			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SURFACING GRADE S (3/4") 401.03.01.01	MT 201 SAMPLING	800 LBS (636 KG)	ONE PER PLANT MIX DESIGN VERIFICATION		SAMPLE		
	MT 202 SIEVE ANALYSIS					TEST	
	MT 209 L.A. ABRASION						
	MT 213 SAND EQUIVALENT						PRIMARY
	MT 305 VOLUME SWELL CALIPER/MERCURY						SECONDARY
	MT 217 FRACTURE						
	AASHTO T 304 FINE AGGREGATE ANGULARITY						
	ASTM D4791 FLAT & ELONGATED PARTICLES						
	MT 204 SPECIFIC GRAVITY FINE AGG						
	MT 205 SPECIFIC GRAVITY COARSE AGG						
	MT 309 REDUCING SAMPLES						
	MT 314 BULK SPECIFIC GRAVITY						
	MT 321 RICE SPECIFIC GRAVITY						
	MT 332 GYRATORY COMPACTION						
	MT 334 HAMBURG WHEEL-TRACK						
	MT 335 LINEAR KNEADING COMPACTION						
	MT 319 BINDER CONTENT BY IGNITION METHOD						USED FOR PLANT MIX DESIGNS CONTAINING RAP
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS						USED FOR PLANT MIX DESIGNS CONTAINING RAP

PLANT MIX PAVEMENT SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SURFACING GRADE S (1/2") 401.03.01.02	MT 303 SAMPLING BITUMINOUS PAVING MIXTURES	REFER TO MT 303	ONE EVERY 1000 TONS (MT) OF PLANT MIX PAVEMENT **COMMERCIAL MIXES** ONE EVERY 2000 TONS (MT) OF PLANT MIX PAVEMENT WITH A MINIMUM OF ONE SAMPLE FOR PROJECTS OVER 500 TONS (MT) (NO TESTS ARE REQUIRED FOR CONTRACTS UNDER 500 TONS (MT))		SAMPLE TEST		
	MT 309 REDUCING SAMPLES						
	MT 312 MOISTURE CONTENT		MINIMUM ONE PER DAY				
	MT 314 BULK SPECIFIC GRAVITY		ONE EVERY 1000 TONS (MTONS) OF PLANT MIX PAVEMENT **COMMERCIAL MIXES** ONE EVERY 2000 TONS (MTONS) OF PLANT MIX PAVEMENT WITH A MINIMUM OF ONE SAMPLE FOR PROJECTS OVER 500 TONS (MTONS) (NO TESTS ARE REQUIRED FOR CONTRACTS UNDER 500 TONS (MTONS))				
	MT 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS			TEST			
	MT 321 RICE SPECIFIC GRAVITY						
	MT 332 GYRATORY COMPACTION						
	MT 334 HAMBURG WHEEL-TRACK	45 LBS (20 KG)	ONCE INITIAL JOB MIX TARGETS ARE ESTABLISHED OR FOR START-UP MIX WITH TEST RESULTS OUTSIDE THE BROADBAND LIMITS		SAMPLE	TEST	ADDITIONAL SAMPLES MAY BE TAKEN AT EPM'S DISCRESSION
	MT 335 LINEAR KNEADING COMPACTION						
	DENSITY BY CORE	2 - 4" CORES	ONE EVERY 600 TONS (MT) PMP	SAMPLE	TEST		SPECIAL PROVISION SECTION 401
	MT 602 FINAL RECORD	2 CORES	PER TWO LANE MILE TAKEN AT 1/2 MILE (1 KM) INTERVALS		SAMPLE TEST		

PLANT MIX PAVEMENT	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS					Revised 10/11/12
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SURFACING GRADE S (1/2") 401.03.01.02	MT 309 REDUCING SAMPLES	N/A	ONCE PER PROJECT		TEST CHECK	CHECK	
	MT 314 BULK SPECIFIC GRAVITY						
	MT 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS						
	MT 321 RICE SPECIFIC GRAVITY						
	MT 332 GYRATORY COMPACTION						

PLANT MIX PAVEMENT	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS					Revised 10/11/12
	Mix Design			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SURFACING GRADE S (1/2") 401.03.01.02	MT 201 SAMPLING	800 LBS (636 KG)	ONE PER PLANT MIX DESIGN VERIFICATION		SAMPLE		
	MT 202 SIEVE ANALYSIS					TEST	
	MT 209 L.A. ABRASION						
	MT 213 SAND EQUIVALENT						PRIMARY
	MT 305 VOLUME SWELL CALIPER/MERCURY						SECONDARY
	MT 217 FRACTURE						
	AASHTO T 304 FINE AGGREGATE ANGULARITY						
	ASTM D4791 FLAT & ELONGATED PARTICLES						
	MT 204 SPECIFIC GRAVITY FINE AGG						
	MT 205 SPECIFIC GRAVITY COARSE AGG						
	MT 309 REDUCING SAMPLES						
	MT 314 BULK SPECIFIC GRAVITY						
	MT 321 RICE SPECIFIC GRAVITY						
	MT 332 GYRATORY COMPACTION						
	MT 334 HAMBURG WHEEL-TRACK						
	MT 335 LINEAR KNEADING COMPACTION						
	MT 319 BINDER CONTENT BY IGNITION METHOD						USED FOR PLANT MIX DESIGNS CONTAINING RAP
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS						USED FOR PLANT MIX DESIGNS CONTAINING RAP

PLANT MIX PAVEMENT SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SURFACING GRADE S (3/8") 401.03.01.06	MT 303 SAMPLING BITUMINOUS PAVING MIXTURES	REFER TO MT 303	ONE EVERY 1000 TONS (MT) OF PLANT MIX PAVEMENT **COMMERCIAL MIXES** ONE EVERY 2000 TONS (MT) OF PLANT MIX PAVEMENT WITH A MINIMUM OF ONE SAMPLE FOR PROJECTS OVER 500 TONS (MT) (NO TESTS ARE REQUIRED FOR CONTRACTS UNDER 500 TONS (MT))		SAMPLE TEST		
	MT 309 REDUCING SAMPLES						
	MT 312 MOISTURE CONTENT		MINIMUM ONE PER DAY				
	MT 314 BULK SPECIFIC GRAVITY		ONE EVERY 1000 TONS (MTONS) OF PLANT MIX PAVEMENT **COMMERCIAL MIXES** ONE EVERY 2000 TONS (MTONS) OF PLANT MIX PAVEMENT WITH A MINIMUM OF ONE SAMPLE FOR PROJECTS OVER 500 TONS (MTONS) (NO TESTS ARE REQUIRED FOR CONTRACTS UNDER 500 TONS (MTONS))				
	MT 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS			TEST			
	MT 321 RICE SPECIFIC GRAVITY						
	MT 332 GYRATORY COMPACTION						
	MT 334 HAMBURG WHEEL-TRACK	45 LBS (20 KG)	ONCE INITIAL JOB MIX TARGETS ARE ESTABLISHED OR FOR START-UP MIX WITH TEST RESULTS OUTSIDE THE BROADBAND LIMITS		SAMPLE	TEST	ADDITIONAL SAMPLES MAY BE TAKEN AT EPM'S DISCRESSION
	MT 335 LINEAR KNEADING COMPACTION						
	DENSITY BY CORE	2 - 4" CORES	ONE EVERY 600 TONS (MT) PMP	SAMPLE	TEST		SPECIAL PROVISION SECTION 401
	MT 602 FINAL RECORD	2 CORES	PER TWO LANE MILE TAKEN AT 1/2 MILE (1 KM) INTERVALS		SAMPLE TEST		

PLANT MIX PAVEMENT	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS					Revised 10/11/12
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SURFACING GRADE S (3/8") 401.03.01.06	MT 309 REDUCING SAMPLES	N/A	ONCE PER PROJECT		TEST CHECK	CHECK	
	MT 314 BULK SPECIFIC GRAVITY						
	MT 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS						
	MT 321 RICE SPECIFIC GRAVITY						
	MT 332 GYRATORY COMPACTION						

PLANT MIX PAVEMENT	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS					Revised 10/11/12
	Mix Design			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SURFACING GRADE S (3/8") 401.03.01.06	MT 201 SAMPLING	800 LBS (636 KG)	ONE PER PLANT MIX DESIGN VERIFICATION		SAMPLE		
	MT 202 SIEVE ANALYSIS					TEST	
	MT 209 LOS ANGELES ABRASION						
	MT 213 SAND EQUIVALENT TEST						PRIMARY
	MT 305 VOLUME SWELL CALIPER/MERCURY						SECONDARY
	MT 217 FRACTURE						
	AASHTO T 304 FINE AGGREGATE ANGULARITY						
	ASTM D4791 FLAT & ELONGATED PARTICLES						
	MT 204 SPECIFIC GRAVITY FINE AGG						
	MT 205 SPECIFIC GRAVITY COARSE AGG						
	MT 309 REDUCING SAMPLES						
	MT 314 BULK SPECIFIC GRAVITY						
	MT 321 RICE SPECIFIC GRAVITY						
	MT 332 GYRATORY COMPACTION						
	MT 334 HAMBURG WHEEL-TRACK						
	MT 335 LINEAR KNEADING COMPACTION						
	MT 319 BINDER CONTENT BY IGNITION METHOD						USED FOR PLANT MIX DESIGNS CONTAINING RAP
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS						USED FOR PLANT MIX DESIGNS CONTAINING RAP

PLANT MIX PAVEMENT SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SURFACING GRADE D 401.03.01.03	MT 303 SAMPLING BITUMINOUS PAVING MIXTURES	REFER TO MT 303	ONE EVERY 1000 TONS (MT) OF PLANT MIX PAVEMENT **COMMERCIAL MIXES** ONE EVERY 2000 TONS (MT) OF PLANT MIX PAVEMENT WITH A MINIMUM OF ONE SAMPLE FOR PROJECTS OVER 500 TONS (MT) (NO TESTS ARE REQUIRED FOR CONTRACTS UNDER 500 TONS (MT))		SAMPLE TEST		
	MT 309 REDUCING SAMPLES						
	MT 312 MOISTURE CONTENT		MINIMUM ONE PER DAY				
	MT 314 BULK SPECIFIC GRAVITY		ONE EVERY 1000 TONS (MTONS) OF PLANT MIX PAVEMENT **COMMERCIAL MIXES** ONE EVERY 2000 TONS (MTONS) OF PLANT MIX PAVEMENT WITH A MINIMUM OF ONE SAMPLE FOR PROJECTS OVER 500 TONS (MTONS) (NO TESTS ARE REQUIRED FOR CONTRACTS UNDER 500 TONS (MTONS))				
	MT 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS			TEST			
	MT 321 RICE SPECIFIC GRAVITY						
	MT 311 MARSHALL METHOD						
	MT 334 HAMBURG WHEEL-TRACK	45 LBS (20 KG)	ONCE INITIAL JOB MIX TARGETS ARE ESTABLISHED OR FOR START-UP MIX WITH TEST RESULTS OUTSIDE THE BROADBAND LIMITS		SAMPLE	TEST	ADDITIONAL SAMPLES MAY BE TAKEN AT EPM'S DISCRESSION
	MT 335 LINEAR KNEADING COMPACTION						
	DENSITY BY CORE	2 - 4" CORES	ONE EVERY 600 TONS (MT) PMP	SAMPLE	TEST		
	MT 602 FINAL RECORD	2 CORES	PER TWO LANE MILE TAKEN AT 1/2 MILE (1 KM) INTERVALS		SAMPLE TEST		

PLANT MIX PAVEMENT	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS					Revised 10/11/12
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SURFACING GRADE D 401.03.01.03	MT 309 REDUCING SAMPLES	N/A	ONCE PER PROJECT		TEST CHECK	CHECK	
	MT 314 BULK SPECIFIC GRAVITY						
	MT 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS						
	MT 321 RICE SPECIFIC GRAVITY						
	MT 306 MARSHALL METHOD						

PLANT MIX PAVEMENT	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS					Revised 10/11/12
	Mix Design			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SURFACING GRADE D 401.03.01.03	MT 201 SAMPLING	800 LBS (636 KG)	ONE PER PLANT MIX DESIGN VERIFICATION		SAMPLE		
	MT 202 SIEVE ANALYSIS					TEST	
	MT 204 SPECIFIC GRAVITY FINE AGG						
	MT 205 SPECIFIC GRAVITY COARSE AGG						
	MT 217 FRACTURE						
	MT 309 REDUCING SAMPLES						
	MT 314 BULK SPECIFIC GRAVITY						
	MT 321 RICE SPECIFIC GRAVITY						
	MT 306 MARSHALL METHOD						
	MT 334 HAMBURG WHEEL-TRACK						
	MT 335 LINEAR KNEADING COMPACTION						
	MT 319 BINDER CONTENT BY IGNITION METHOD						USED FOR PLANT MIX DESIGNS CONTAINING RAP
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS						USED FOR PLANT MIX DESIGNS CONTAINING RAP
	MT 330 MODIFIED LOTTMAN	N/A				CERT	VERIFY TEST RESULTS FROM CONTRACTOR/CONSULTANT PROVIDING MIX DESIGN

PLANT MIX PAVEMENT SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 10/11/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SEAL COURSE 401.03.01.05	MT 217 FRACTURE	20 LBS (9 KG)	ONE EVERY 600 TONS (MT) PMSC		SAMPLE TEST		
	MT 303 SAMPLING BITUMINOUS PAVING MIXTURES						
	MT 309 REDUCING SAMPLES						
	MT 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS			TEST			
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 309 REDUCING SAMPLES	N/A	ONCE PER PROJECT		TEST CHECK	CHECK	
	MT 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS						

PLANT MIX PAVEMENT	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS					Revised 10/11/12
	Mix Design			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SEAL COURSE 401.03.01.05	MT 201 SAMPLING	800 LBS (363 KG)	ONE PER PLANT MIX SEAL COURSE MIX DESIGN		SAMPLE		
	MT 202 SIEVE ANALYSIS					TEST	
	MT 204 SPECIFIC GRAVITY FINE AGG						
	MT 205 SPECIFIC GRAVITY COARSE AGG						
	MT 208 LIQUID LIMIT						
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 209 LOS ANGELES ABRASION						
	MT 213 SAND EQUIVALENT TEST						
	MT 217 FRACTURE						
	MT 305 VOLUME SWELL CALIPER/MERCURY						
	AASHTO T 304 FINE AGGREGATE ANGULARITY						
	ASTM D4791 FLAT & ELONGATED PARTICLES						
	MT 338 DRAIN DOWN						
	MT 332 GYRATORY COMPACTION					VERIFY	

PLANT MIX PAVEMENT

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 10/11/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EPA SPECIFICATION USED OIL FUEL 401.03.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COLD RECYCLED PLANT MIX 405.01.21.01	CERT/ VISUAL INSPECTION	N/A	ONE PER PROJECT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE PER COLD RECYCLED PLANT MIX DESIGN	CERT		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COLD IN-PLACE RECYCLED - ENGR EMULSION 405.02.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CORES FOR STRIPPING ANALYSIS PC 4	MT 331 SAMPLING & EVALUATING STRIPPING PAVEMENTS	1 EACH	SEE MT 331		SAMPLE	TEST	

LIGHTING, SIGNALS & COMMUNICATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
VARIABLE MESSAGE SIGN 617.03.16.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	VISUAL CERT			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ANTENNA 617.04.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ELECTRICAL SUBMITTAL 703.01.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	CERT			CERTIFICATION IS INCLUDED IN APPROVED SUBMITTAL

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PVC CONDUIT S40 703.02.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SIZE	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PVC CONDUIT S80 703.02.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SIZE	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL CONDUIT 703.02.02.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

LIGHTING, SIGNALS & COMMUNICATION SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PULL BOXES 703.03.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	CERT			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SIGNAL STANDARDS TYPE 2/3 703.04.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM/LOT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LUMINAIRE STANDARD TYPE 10 703.04.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM/LOT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SIGNAL STANDARDS TYPE 1 703.04.05.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM/LOT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONDUCTOR 703.06.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)

LIGHTING, SIGNALS & COMMUNICATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CABLE 703.06.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SERVICE & CONTROL ASSEMBLY 703.07.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TRAFFIC SIGNAL CABINET 703.08.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PEDESTAL, CABINET 703.09.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TRAFFIC SIGNAL INDICATION 703.10.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)

LIGHTING, SIGNALS & COMMUNICATION SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LED TRAFFIC SIGNAL 703.10.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PEDESTRIAN SIGNAL INDICATION 703.10.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DETECTOR LOOP 703.11.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PEDESTRIAN PUSH BUTTONS 703.12.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LUMINAIRE 703.13.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

LIGHTING, SIGNALS & COMMUNICATION SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EMERGENCY VEHICLE PREEMPTION 703.15.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS 4 TREATED TIMBER POLES 703.16.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER CHARGE	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	AWPA M2	20 BORINGS	ONE PER CHARGE		PRE-INSPECTION		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LIGHTING BRACKETS 703.17.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LINE MATERIAL 703.17.05.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

LIGHTING, SIGNALS & COMMUNICATION SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GUYS & ANCHORS 703.17.06.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
OVERHEIGHT DETECTOR 703.17.07.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM/LOT/BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT (FOUND IN THE APPROVED SUBMITTAL)

SIGNING	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DELINEATORS 619.03.08.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT/BATCH	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SIGNING SHEET ALUMINUM 704.01.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	VISUAL CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLYWOOD 704.01.03.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT/BATCH	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL SIGN POSTS 704.01.04.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL STEEL SIGN POSTS 704.01.04.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

SIGNING	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ALUMINUM SIGN POSTS 704.01.04.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TREATED TIMBER POSTS 704.01.05.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT/BATCH	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	AWPA M2	20 BORINGS	ONE PER CHARGE		PRE-INSPECTION		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WOOD POSTS & POLES 704.01.06.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT/BATCH	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	AWPA M2	20 BORINGS	ONE PER CHARGE		PRE-INSPECTION		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
OVERHEAD STRUCTURES 704.01.08.01	CERT/ VISUAL INSPECTION	N/A	ONE PER EACH	VISUAL	PRE-INSPECTION		VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
RETRO-REFLECTIVE SHEETING/LETTERS 704.01.10.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SIGN HARDWARE 704.01.13.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT/BATCH	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

STEEL SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 12/03/12**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SMOOTH DOWEL BARS 501.02.03.01	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION
	AASHTO M31 EPOXY COATED REBAR	2 EACH	ONE PER SHIPMENT	SAMPLE		TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DOWEL BAR SLEEVE 501.02.03.02	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TIE BARS, GRADE 40 501.02.04.01	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			QUALIFIED PRODUCTS LIST
	AASHTO M31 EPOXY COATED REBAR	2 - 3 FT (2 - 1 M)	ONE TEST PER BAR SIZE	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	MT 414 REINFORCING STEEL						
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

STEEL	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REBAR GRADE 40 711.01.01.01	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			QUALIFIED PRODUCTS LIST
	AASHTO M31 EPOXY COATED REBAR	2 - 3 FT (2 - 1 M)	ONE TEST PER BAR SIZE	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	MT 414 REINFORCING STEEL						
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REBAR GRADE 60 711.01.01.02	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			QUALIFIED PRODUCTS LIST
	AASHTO M31 EPOXY COATED REBAR	2 - 3 FT (2 - 1 M)	ONE TEST PER BAR SIZE	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	MT 414 REINFORCING STEEL						
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MECHANICAL REBAR CONNECTORS 711.01.01.03	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

STEEL	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REINFORCING WIRE / WIRE MESH 711.01.03.01	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL STEEL 711.02.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION REQUIRED ONLY IF MATERIAL HAS NOT BEEN PRE-INSPECTED
	MT 415 STRUCTURAL STEEL	1 EACH			PRE-INSPECTION		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL STEEL TUBING 711.03.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PINS & ROLLERS 711.04.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

STEEL	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HIGH TENSILE STRENGTH BOLTS 711.06.00.01	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION
	MT 407 HIGH STRENGTH BOLTS	1 BOLT	ONE TEST PER LOT/BATCH	SAMPLE		TEST	
	ASTM F595 DIRECT TENSION INDICATORS	1 DTI	ONE TEST PER LOT/BATCH				

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BOLTS, NUTS, THREADED ROD 711.07.00.01	CERT/ VISUAL INSPECTION	N/A	ONE TEST PER LOT/BATCH	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GALVANIZED METAL 711.08.00.01	CERT/ VISUAL INSPECTION	N/A	ONE TEST PER LOT/BATCH	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FABRICATOR	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WELDED STUD SHEAR CONNECTORS 711.09.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER SHIPMENT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION REQUIRED ONLY IF MATERIAL HAS NOT BEEN PRE-INSPECTED
	MT 409 WELDED STUD SHEAR CONNECTORS	1 EACH			PRE-INSPECTION		

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRESTRESSING STEEL 711.11.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER		PRE-INSPECTION		MANDATORY SUBMITTAL OF DOCUMENTATION
	ASTM A416 SEVEN WIRE STRAND	8 FT (3 M)	ONE TEST PER LOT				

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL CASTINGS 711.12.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MISCELLANEOUS DRAINAGE CASTINGS 711.12.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ELASTOMERIC BEARING DEVICES 711.14.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

STEEL	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 12/03/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COMPRESSION JOINT SEALS 711.15.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FIBER REINFORCED PADS 711.16.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT/BATCH	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
METAL BIN-TYPE RETAINING WALLS 711.17.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SOIL NAILS - HOLLOW BAR STEEL 711.18.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 1	1 EACH	ONE PER HEAT NUMBER	CERT			MANDATORY SUBMITTAL OF DOCUMENTATION

STREAM PRESERVATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 10/11/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANTS - TREES & SHRUBS 208.02.01.01	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LOG 208.02.02.01	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LOG & ROOT WAD 208.02.02.02	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BOULDERS - STREAM PRES/FISH HABITAT 208.02.02.03	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STREAMBED MATERIAL 208.02.03.01	CERT/ VISUAL INSPECTION	N/A	ONE PER MATERIAL TYPE	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	MT 201 SAMPLING	SAMPLE PER MT 201	ONE PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			

TIMBER	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 10/11/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TIMBER PILES 558.02.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT/BATCH	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	AWPA M2	20 BORINGS	ONE PER CHARGE		PRE-INSPECTION		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL TIMBER 558.02.00.02	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT/BATCH	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	AWPA M2	20 BORINGS	ONE PER CHARGE		PRE-INSPECTION		

TRAFFIC CONTROL	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 10/11/12

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
NCHRP 350/MASH DOCUMENTATION 618.03.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER TRAFFIC CONTROL DEVICE OR GROUP OF DEVICES	CERT			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT