METHODS OF SAMPLING AND TESTING
MT 601-13
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. Materials that are required to be on the QPL are highlighted in yellow within the table. 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 Certificate of Compliance (Cert of Comp) or Product Data Sheet (Data Sheet), visual inspection of the material's condition and/or previous satisfactory field performance. When a Cert of Comp or Data Sheet is required, the inspector must verify that the material received matches the Cert of Comp or Data Sheet and meets the contact requirements.

3.4 Certification/Visual Inspection: (continued)

- **Certificates of Compliance** – state the material meets the contract requirements. A manufacturer's authorized representative **must <u>sign</u>** the certificate. Clearly identify each lot of certified materials or assemblies delivered to the work in the Certificate of Compliance. Materials or assemblies used on the basis of Certificates of Compliance may be sampled and tested at any time. Materials not meeting contract requirements will be rejected.

- **Product Data Sheets** – describes the mechanical, thermal, physical, chemical, and specific properties of the product. Product Data Sheets must contain relevant standards, test methods, and results for applicable materials and subcomponents showing products to be in compliance with contract requirements.

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.

3.6 Pre-Inspection: (continued)

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
	701.01.02.02	Coarse Concrete Aggregate Grade 4 - During Production
	701.01.02.02	Coarse Concrete Aggregate Grade 4 - Source
	701.01.03.01	Combined/Intermediate Concrete Aggregate - During Production
	701.01.03.01	Combined/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
	701.06.02.01	Rip Rap Class 1
	701.06.02.02	Rip Rap Class 2
	701.06.02.03	Rip Rap Class 3
	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
	701.10.00.01	Drain Aggregate
C	701.11.00.01	Glass Cullet
	701.09.00.01	Retaining Wall Backfill
	701.09.00.02	MSE Wall Backfill
	701.13.00.01	Bridge End Backfill Type 1
	701.13.00.02	Bridge End Backfill Type 2
	701.13.00.03	Bridge End Backfill Type 3
	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
	701.02.08.01	Crushed Cover Aggregate Type 2 (old Grade 2A)
	701.02.08.02	Crushed Cover Aggregate Type 1 (old 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	Bearing Devices (BEAR)
D	565.02.00.01	Elastomeric Bearing Devices
D	565.02.00.02	Polytetrafluoroethylene (PTFE)
D	565.02.00.03	Fiber Reinforced Pads

	Material Code	Bituminous (BITM)
C	702.02.01.01	Anionic Slow Set Emulsion SS-1
C	702.02.01.02	Cationic Slow Set Emulsion CSS-1
C	702.02.01.03	Cationic Slow Set Emulsion CSS-1H
C	702.02.05.01	Medium Curing Liquid Asphalt MC-800
C	702.02.05.02	Medium Curing Liquid Asphalt MC-70
C	702.02.07.01	High Float Emulsion HF-100
C	702.02.08.01	Polymer Mod. Cat. Rapid Set Emulsion CRS-2P
C	702.02.08.02	Cationic Rapid Setting Emulsion CRS-2
C	702.02.08.03	Cationic Quick Setting Emulsion CQS-1h
C	702.02.09.06	Performance Graded Asphalt Binder 58-28
C	702.02.09.09	Performance Graded Asphalt Binder 64-22
C	702.02.09.10	Performance Graded Asphalt Binder 64-28
C	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)
D	551.02.01.01	Portland Cement
D	551.02.01.02	Blended Cement
D	551.02.03.01	Concrete Admixture
D	551.02.04.01	Epoxy Adhesives
D	551.02.10.01	Fly Ash
D	551.02.11.01	Microsilica/Silica Fume
D	551.02.12.01	Metakaolin
D	551.02.13.01	Ground Granulated Blast Furnace Slag (GGBFS)
	551.03.02.01	Shotcrete
	551.03.02.02	Class General Concrete
	551.03.02.03	Class Pave Concrete
	551.03.02.04	Class Pre Concrete
	551.03.02.05	Class SCC Concrete
	551.03.02.06	Class Deck Concrete
	551.03.02.07	Class Overlay-SF Concrete
	551.03.02.08	Class Overlay-LM Concrete
	551.03.02.09	Class Structure Concrete
	551.03.02.10	Class Drilled Shaft Concrete
	551.03.02.11	Controlled Low Strength Material-Excav
	551.03.02.12	Controlled Low Strength Material-Non-Excav
D	551.03.02.13	Pre-Packaged Concrete
	551.03.02.14	Lean Concrete
D	552.02.01.01	Epoxy Resin Grout
D	552.03.16.01	Deck Drains
C	553.02.08.01	Precast Prestressed Deck Sections
C	553.02.09.01	Prestressed Beam

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	Material Code	Concrete and Structures (CONC)
C	554.04.03.01	Precast Concrete Bridge Members
	554.04.04.01	Cattle Guard Bases
C	554.04.06.01	Precast Concrete Product - Structural
	554.04.06.02	Precast Concrete Product - Non Structural
D	563.02.01.08	Waterproof Membrane

	Material Code	Concrete Sealant (CONS)
D	717.02.02.01	High Molecular Weight Methacrylate (HMWM)
D	717.02.03.01	Epoxy Bridge Deck Crack Sealant
D	717.01.00.01	Concrete Curing Materials
D	717.02.01.01	Silane Sealer
D	717.02.04.01	Deck Sealant Sand

	Material Code	Crack Sealing (CRKS)
D	403.02.00.01	Crack Sealant
D	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)
	607.02.01.01	Snow Fence Material
D	712.01.02.01	Chain Link Fabric
D	712.01.03.01	Chain Link Steel Post
D	712.01.03.03	Chain Link Aluminum Post
D	712.01.06.01	Cable/Tie/Brace Wire
D	712.01.08.01	Chain Link Gate
D	712.02.00.01	Fence Wire
D	712.02.07.01	Steel Fence Post
	712.02.08.01	Wood Fence Post/Brace Rail
D	712.02.09.01	Metal Gate
D	712.02.12.01	Deadman/Anchor

	Material Code	Geotextile (GEOT)
C	622.01.01.01	Geogrid - Subgrade/Foundation
C	622.01.01.02	Geogrid - Slope Reinforcement
C	622.01.01.03	Geogrid - Wall Reinforcement
C	622.02.01.01	Geocomposite Drain
D	713.06.00.01	Weed Control Mat
C/D	713.12.00.04	Turf Reinforcement Mat - Synthetic Fiber
C/D	713.12.00.05	Turf Reinforcement Mat - Natural Fiber
C/D	713.12.00.06	Short Term Rolled Erosion Control Blanket
C/D	713.12.00.07	Long Term Rolled Erosion Control Blanket
C/D	713.12.00.08	High Performance Rolled Erosion Control Blanket
C	716.02.00.01	Geotextile Separation High Survivability
C	716.02.00.02	Geotextile Separation Moderate Survivability
C	716.03.00.01	Geotextile Stabilization - High Survivability
C	716.04.00.01	Geotextile Sub Drain Class A-High Survivability
C	716.04.00.02	Geotextile Sub Drain Class B-High Survivability

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	Material Code	Geotextile (GEOT)
C	716.04.00.03	Geotextile Sub Drain Class C-High Survivability
C	716.04.00.04	Geotextile Sub Drain Class A-Moderate Survivability
C	716.04.00.05	Geotextile Sub Drain Class B-Moderate Survivability
C	716.04.00.06	Geotextile Sub Drain Class C-Moderate Survivability
C	716.04.00.07	Geosynthetic Clay Liner
C	716.04.00.08	Geomembrane Liner
C	716.05.00.01	Geotextile Permanent Erosion Control Class-A High Survivability
C	716.05.00.02	Geotextile Permanent Erosion Control Class-B High Survivability
C	716.05.00.03	Geotextile Permanent Erosion Control Class-C High Survivability
C	716.05.00.04	Geotextile Permanent Erosion Control Class-A Moderate Survivability
C	716.05.00.05	Geotextile Permanent Erosion Control Class-B Moderate Survivability
C	716.05.00.06	Geotextile Permanent Erosion Control Class-C Moderate Survivability
D	716.06.00.00	Temporary Silt Fence

	Material Code	Guardrail (GRD)
C/D	705.01.01.01	Box Beam Guardrail
D	705.01.01.02	Wire Rope
D	705.01.01.03	Steel Beam Guardrail
D	705.01.01.05	Miscellaneous Guardrail
	705.01.02.01	Wood Guardrail Post/Blockouts
C	705.01.02.02	Non-Wood Blockouts
C	705.01.05.01	Steel Guardrail Post

	Material Code	Joint Material (JNT)
D	707.01.01.01	Expansion Joint Fillers - Cork
D	707.01.01.02	Joint Sealing Material
D	707.01.02.02	Silicone Joint Seal
D	707.01.02.03	Fabric Reinforced Neoprene Joint Seal
C/D	707.01.02.04	Expansion Joint System
D	707.01.02.05	Expansion Joint Asphalt Plug
D	707.01.03.01	Preformed Expansion Joint Filler
D	707.02.01.01	Gasket

	Material Code	Lighting, Signals & Communication (LSM)
D		Variable Message Sign
D		Antenna
D	703.01.00.01	Electrical Submittal
D		PVC Conduit
D		HDPE Conduit
		Steel Conduit
D		Pull Boxes
D		Signal Standards Type 2/3
D		Luminaire Standard Type 10
D		Signal Standards Type 1
D		Conductor
D		Cable
D		Service & Control Assembly
D	703.08.02.01	Traffic Signal Cabinet
D		Traffic Signal Indication

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	Material Code	Lighting, Signals & Communication (LSM)
D		LED Traffic Signal
D		Pedestrian Signal Indication
D		Detector Loop
D		Pedestrian Push Buttons
D		Luminaire Assembly
D		Emergency Vehicle Preemption
	703.16.00.01	Class 4 Treated Wood Poles
D	703.17.06.01	Guys & Anchors

	Material Code	Maintenance (MAIN)
D	MT 1	8A-R Salt (Maintenance)
D	MT 3	8A-B Salt (Maintenance)
D	MT 10	8B Salt (Maintenance)
	MT 2	Salt Brine - NaCl (Maintenance)
D	MT 6	Corrosion Inhibitor (Maintenance)
D	MT 7	De-Icer - $MgCl_2$ (Maintenance)
D	MT 8	De-Icer - $CaCl_2$ (Maintenance)
D	MT 4	Sanding Material
D	MT 9	Cold Mix Asphalt Patching Material
D	MT 5	Engine Oil Analysis

	Material Code	Miscellaneous (MISC)
D	405.01.01.01	Quick Lime
D	608.03.02.01	Detectable Warning Devices
C	611.02.04.01	Cattle Guard (Grate)
D	613.03.05.01	Concrete Filled Bag/Scrim Bag
D	623.02.00.01	Mail Box
D	710.02.00.01	Miscellaneous Paint
D	710.02.00.02	Aluminum Epoxy
D	710.02.00.03	Pipe Pile Epoxy
D	710.02.03.01	Zinc Rich Primer
C	710.03.00.01	Powder Coating
D	710.04.00.01	Anti-Graffiti Coating
C/D	713.00.00.00	Miscellaneous Material Accepted on Cert
	713.01.00.01	Water for Concrete
D	713.02.00.01	Hydrated Lime
D	713.03.00.01	Calcium Chloride
D	713.03.00.02	Magnesium Chloride
D	713.04.01.01	Mortar Sand
D	713.04.01.02	Cement Grout
	713.05.02.01	Topsoil
D	713.08.01.01	Seed
D	713.09.00.01	Fertilizer
C/D	713.10.01.01	Mulch
	713.10.03.01	Fabricated Netting
D	713.11.00.01	Sod
C/D	713.13.01.01	Compost
	MCS 1	Dyed Diesel

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	Material Code	Pavement Markings (PMM)
D	714.03.00.02	Temporary Paint
D	714.04.00.03	Waterborne Paint (previously 714.07.01.01)
D	714.05.00.03	High Durable Waterborne Paint
D	714.06.00.02	Epoxy Paint (previously 714.08.00.01)
D	714.07.00.01	Preformed Plastic (previously 714.03.00.01)
D	714.08.00.02	Reflective Glass Beads - MT Type 1
D	714.08.00.03	Reflective Glass Beads - MT Type 2

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

	Material Code	Pipes (PIPE)
	708.01.01.01	Reinforced Concrete Pipe
	708.02.00.01	Concrete Pressure Pipe
D	708.05.01.01	PVC Gravity Sewer & Drain Pipe
D	708.05.01.02	PVC Pipe Joint
D	708.06.01.01	PVC Pressure Water Pipe
D	708.07.00.01	Corrugated Polyethylene Pipe
D	708.08.01.01	Pressurized Polyethylene Pipe
D	708.08.02.01	Solid Wall Polyethylene Pipe
D	709.01.01.01	Ductile Iron Water Pipe
C/D	709.01.02.01	Steel Water Pipe
D	709.02.00.01	Corrugated Steel Pipe
D	709.03.00.01	Steel Structural Plate Pipe
D	709.07.00.01	Corr Aluminum Pipe Culvert
C/D	709.09.00.01	Seamless Steel Pipe
D	709.10.00.01	Copper Pipe
	PC 3	Pipe Inspection for Pipe Survey

	Material Code	Plant Mix Pavement (PMP)
D	401.02.05.01	Anti-Stripping Additive
	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
C	401.03.02.01	EPA Specification Used Oil Fuel
	405.01.21.01	Cold Recycled Plant Mix
C	405.02.01.01	Cold In-Place Recycled - Engr Emulsion
	PC 4	Cores for Stripping Analysis

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	Material Code	Signing (SIGN)
D	619.03.08.02	Snow Pole
D	704.01.01.01	Signing Sheet Aluminum
D	704.01.04.01	Steel Sign Posts
D	704.01.04.02	Structural Steel Sign Posts
D	704.01.04.05	Aluminum Sign Posts
D	704.01.04.06	Breakaway Devices
	704.01.06.01	Wood Posts & Poles
	704.01.08.01	Overhead Structures
D	704.01.10.01	Retro-Reflective Sheeting
D	704.03.00.01	Flexible Delineators
D	704.03.00.02	Drivable Flexible Delineators

	Material Code	Steel (STL)
D	501.02.03.01	Smooth Dowel Bars
D	501.02.03.02	Dowel Bar Sleeve
D	501.02.04.01	Tie Bars, Grade 40
D	711.01.01.01	Rebar Grade 40
D	711.01.01.02	Rebar Grade 60
D	711.01.01.04	Rebar Grade 75
D	711.01.01.03	Mechanical Rebar Connectors
D	711.01.02.01	Rebar Epoxy Coating
D	711.01.03.01	Reinforcing Wire, Wire Mesh
C/D	711.02.00.01	Structural Steel
C/D	711.03.00.01	Structural Steel Tubing
D	711.04.00.01	Pins & Rollers
	711.06.00.01	High Tensile Strength Bolts
D	711.07.00.01	Bolts, Nuts, Threaded Rod
D	711.08.00.01	Galvanized Metal
C/D	711.09.00.01	Welded Stud Shear Connectors
D	711.11.00.01	Prestressing Steel
D	711.12.01.01	Steel Castings
D	711.12.03.01	Miscellaneous Drainage Castings
D	711.13.00.01	Structural Anchor Bolts
D	711.17.00.01	Metal Bin-Type Retaining Walls
D	711.18.00.01	Rock/Soil Anchor

	Material Code	Stream Preservation (STPR)
C/D	208.02.00.01	Temporary Rolled Erosion Control
D	208.02.01.01	Plants - Trees & Shrubs
	208.02.02.01	Log
	208.02.02.02	Root Wad
	208.02.02.03	Stream Preservation
	208.02.03.01	Streambed Aggregate

	Material Code	Crash Testing (CRSH)
C	618.03.02.01	NCHRP 350/Mash Documentation

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	Material Code	Building Materials (BM)
	Material Code	**Structure Material (STR)**
D	BM.699.01.01	Bird Spikes
D	BM.699.01.02	Glue Laminated Beams
D	BM.699.01.03	Insulation
D	BM.699.01.04	Metal Roofing
D	BM.699.01.05	Metal Siding & Soffit

	Material Code	Building Materials (BM)
	Material Code	**Structure Material (STR)**
D	BM.699.01.06	Picnic Shelter
D	BM.699.01.07	Quarry Tile
D	BM.699.01.08	Roof Joist
D	BM.699.01.09	Interior/Exterior Building Tape & Paint
	Material Code	**Electrical/Mechanical (ELMC)**
D	BM.699.02.03	Interior Fixtures & Features
	Material Code	**Plumbing (PLMB)**
D	BM.699.03.05	Waste Water Pumps, Fittings & Valves
D	BM.699.03.07	Well Pumps, Fittings & Valves
	Material Code	**Accessories (ACC)**
D	BM.699.04.01	Benches
D	BM.699.04.02	Picnic Tables
D	BM.699.04.03	Trash Receptacles
D	BM.699.04.04	Fire Extinguishers & Cabinets
D	BM.699.04.05	Flag Poles
D	BM.699.04.06	Toilet Room Accessories
	Material Code	**Door/Display (DRDP)**
D	BM.699.05.01	Aluminum Storefront
D	BM.699.05.02	Display Cases
D	BM.699.05.03	Hollow Metal Doors & Frames
D	BM.699.05.04	Overhead Garage Doors

C - represents Certificate of Compliance

D - represents Product Data Sheet

Materials highlighted in yellow represent materials required to be on the Qualified Products List (QPL)

BUY AMERICA CATEGORY 1 ITEMS

BEARING DEVICES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 04/10/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ELASTOMERIC BEARING DEVICES 565.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

GUARDRAIL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 04/10/14

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	1 EACH	ONE PER EACH	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WIRE ROPE 705.01.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL BEAM GUARDRAIL 705.01.01.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	1 EACH	ONE PER EACH	CERT OF COMP VISUAL			VERIFY MATERIAL MEETS NCHRP 350/MASH CERTIFICATE OF COMPLIANCE REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

BUY AMERICA CATEGORY 1 ITEMS

JOINT MATERIAL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EXPANSION JOINT SYSTEM 707.01.02.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET OR CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

LIGHTING, SIGNALS & COMMUNICATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 06/11/13

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SIGNAL STANDARDS TYPE 2/3	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM/LOT	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT # 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	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM/LOT	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT # NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

BUY AMERICA CATEGORY 1 ITEMS

PILE SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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 OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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 OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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 OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

BUY AMERICA CATEGORY 1 ITEMS

PIPE SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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	1 EACH	ONE PER ITEM	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	1 EACH	ONE PER ITEM	DATA SHEET OR CERT OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	DATA SHEET OR CERT OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

BUY AMERICA CATEGORY 1 ITEMS

SIGNING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 07/31/14

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	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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		
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

STEEL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

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	1 EACH	ONE PER SHIPMENT	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

BUY AMERICA CATEGORY 1 ITEMS

STEEL SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REBAR GRADE 75 711.01.01.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	1 EACH	ONE PER SHIPMENT	DATA SHEET OR CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT # REQUIRED ONLY IF MATERIAL HAS NOT BEEN PRE-INSPECTED
	MT 415 STRUCTURAL STEEL	1 EACH	ONE PER ITEM		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	1 EACH	ONE PER ITEM	DATA SHEET OR CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

BUY AMERICA CATEGORY 1 ITEMS

STEEL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

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	1 EACH	ONE PER ITEM	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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 FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #
	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	1 EACH	ONE PER SHIPMENT	DATA SHEET OR CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT # REQUIRED ONLY IF MATERIAL HAS NOT BEEN PRE-INSPECTED
	MT 409 WELDED STUD SHEAR CONNECTORS	1 EACH	ONE PER ITEM		PRE-INSPECTION		

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	1 EACH	ONE PER ITEM	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #
	ASTM A416 SEVEN WIRE STRAND	8 FT (3 M)	ONE TEST PER LOT	SAMPLE		TEST	

BUY AMERICA CATEGORY 1 ITEMS

STEEL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

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	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL ANCHOR BOLTS 711.13.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ROCK/SOIL ANCHOR 711.18.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

BUY AMERICA CATEGORY 1 ITEMS

BUILDING MATERIALS

STRUCTURE MATERIAL SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ROOF JOIST BM.699.01.08	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			IF MATERIAL IS STEEL OR PRECAST, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

BUY AMERICA CATEGORY 2 ITEMS

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

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	1 EACH	ONE PER DECK SECTION	CERT OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 111 PRESTRESSED STRUCTURAL MEMBERS	PER MT 111	ONE PER DECK SECTION		PRE-INSPECTION		

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	1 EACH	ONE PER BEAM	CERT OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 111 PRESTRESSED STRUCTURAL MEMBERS	PER MT 111	ONE PER BEAM		PRE-INSPECTION		

BUY AMERICA CATEGORY 2 ITEMS

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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	1 EACH	ONE PER MEMBER	CERT OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	ASTM A416 SEVEN WIRE STRAND	8 FT (3 M)	ONE PER LOT	SAMPLE		TEST	REQUIRED ONLY WHEN MEMBER IS POST-TENSIONED
	MT 110 RCP AND ASSOCIATED ITEMS	PER MT 111	ONE PER MEMBER		PRE-INSPECTION		

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	1 EACH	ONE PER EACH	CERT OF COMP VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	REFER TO MT 110 FOR SAMPLE/TEST FREQUENCY		PRE-INSPECTION		

BUY AMERICA CATEGORY 2 ITEMS

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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	1 EACH	ONE PER EACH	CERT OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	REFER TO MT 110 FOR SAMPLE/TEST FREQUENCY		PRE-INSPECTION		

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			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	REFER TO MT 110 FOR SAMPLE/TEST FREQUENCY		PRE-INSPECTION		

BUY AMERICA CATEGORY 2 ITEMS

FENCING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

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 PRODUCT	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CHAIN LINK STEEL POST 712.01.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CABLE/TIE/BRACE WIRE 712.01.06.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

BUY AMERICA CATEGORY 2 ITEMS

FENCING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FENCE WIRE 712.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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 PRODUCT	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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	DATA SHEET VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			STEEL CERT NEEDED FOR ALTERNATE DEADMAN MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

BUY AMERICA CATEGORY 2 ITEMS

LIGHTING, SIGNALS & COMMUNICATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/13

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL CONDUIT	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER LOT	VISUAL			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PULL BOXES	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER LOT/BATCH	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SIGNAL STANDARDS TYPE 1	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM/LOT	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09 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	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09 NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT

BUY AMERICA CATEGORY 2 ITEMS

MISCELLANEOUS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DETECTABLE WARNING DEVICES 608.03.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CATTLE GUARD (GRATE) 611.02.04.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

PILE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PILE DRIVING POINT 559.04.06.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PILE CUTTING SHOE 559.04.06.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

BUY AMERICA CATEGORY 2 ITEMS

PIPES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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 PROJECT	VISUAL			PRE-INSPECTION IS NOT REQUIRED IF ITEM IS PRODUCED AT A CERTIFIED PLANT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	MONTHLY		PRE-INSPECTION		PLANTS NEED 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 FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	MONTHLY		PRE-INSPECTION		PLANTS NEED TO BE INSPECTED MONTHLY, INCLUDING CERTIFIED PLANTS

BUY AMERICA CATEGORY 2 ITEMS

SIGNING SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 07/31/14**

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	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BREAKAWAY DEVICES 704.01.04.06	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DRIVABLE FLEXIBLE DELINEATORS 704.03.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET VISUAL			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

BUY AMERICA CATEGORY 2 ITEMS

STEEL SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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	1 EACH	ONE PER SHIPMENT	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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	1 EACH	ONE TEST PER LOT/BATCH	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

BUY AMERICA CATEGORY 2 ITEMS

BUILDING MATERIALS

STRUCTURE MATERIAL SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BIRD SPIKES BM.699.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH TYPE	DATA SHEET			IF MATERIAL IS STEEL OR PRECAST, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
METAL ROOFING BM.699.01.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
METAL SIDING & SOFFIT BM.699.01.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PICNIC SHELTER BM.699.01.06	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			IF MATERIAL IS STEEL OR PRECAST, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

BUY AMERICA CATEGORY 2 ITEMS

ACCESSORIES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BENCHES BM.699.04.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			IF MATERIAL IS STEEL OR PRECAST, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PICNIC TABLES BM.699.04.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			IF MATERIAL IS STEEL OR PRECAST, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TRASH RECEPTACLES BM.699.04.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			IF MATERIAL IS STEEL OR PRECAST, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

DOOR/DISPLAY

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HOLLOW METAL DOORS & FRAMES BM.699.05.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			IF MATERIAL IS STEEL OR PRECAST, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
OVERHEAD GARAGE DOORS BM.699.05.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			IF ITEM IS 90% STEEL, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

AGGREGATE	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

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	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 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	USE FIELD TESTED SAMPLE	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		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 09/30/14

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	USE FIELD TESTED SAMPLE	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		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 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COARSE CONCRETE AGGREGATE GRADE 4 - DURING PRODUCTION 701.01.02.02	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	USE FIELD TESTED SAMPLE	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		TEST	TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COARSE CONCRETE AGGREGATE GRADE 4 - SOURCE 701.01.02.02	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 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COMBINED/ 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	USE FIELD TESTED SAMPLE	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		TEST	TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COMBINED/ 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						

AGGREGATE	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

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	77 LBS (35 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	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	77 LBS (35 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	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	77 LBS (35 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 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			

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			

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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			

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			

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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	77 LBS (35 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER INSTALLATION	TEST			

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	77 LBS (35 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 OF COMP			

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
RETAINING WALL BACKFILL 701.09.00.01	MT 201 SAMPLING	77 LBS (35 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 208 LIQUID LIMIT						
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 217 FRACTURE						
	MT 214 SOIL CLASS						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	AASHTO T 104 SOUNDNESS SODIUM SULFATE	30 LBS (14 KG)	ONE TEST PER SOURCE	SAMPLE		TEST	TEST MAY BE REQUIRED PER SPECIAL PROVISION
	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			

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MSE WALL BACKFILL 701.09.00.02	MT 201 SAMPLING	77 LBS (35 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 208 LIQUID LIMIT						
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 217 FRACTURE						
	MT 214 SOIL CLASS						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	AASHTO T 104 SOUNDNESS SODIUM SULFATE	30 LBS (14 KG) SAMPLE MUST INCLUDE A MINIMUM OF 6 KG OF MINUS 10 MESH	ONE TEST PER SOURCE	SAMPLE		TEST	TEST MAY BE REQUIRED PER SPECIAL PROVISION
	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			

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BRIDGE END BACKFILL TYPE 1 701.13.00.01	MT 201 SAMPLING	77 LBS (35 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 217 FRACTURE						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	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
BRIDGE END BACKFILL TYPE 2 701.13.00.02	MT 201 SAMPLING	77 LBS (35 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	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
BRIDGE END BACKFILL TYPE 3 701.13.00.03	MT 201 SAMPLING	77 LBS (35 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 208 LIQUID LIMIT						
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 214 SOIL CLASS						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER INSTALLATION AND PER LIFT	TEST			

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	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 214 SOIL CLASS					TEST	
	MT 209 LOS ANGELES ABRASION						
	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 231 COARSE PARTICLE CORRECTION						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	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			VISUALLY INSPECT SO THAT 100% OF MATERIAL PASSES 2-INCH (50 MM) SIEVE
	MT 202 SIEVE ANALYSIS	77 LBS (35 KG)	VISUALLY INSPECT UNLESS QUESTIONABLE	TEST			
	MT 230 (10LB) PROCTOR		TWO TESTS PER MATERIAL TYPE RESAMPLE IF MATERIAL CHANGES	SAMPLE	TEST		
	MT 231 COARSE PARTICLE CORRECTION						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	MT 219 CONTROL-STRIP TEST SECTION	N/A	WHEN RATIO OF BLENDED MATERIAL CHANGES BY MORE THAN 20% OR CHARACTERISTICS OR SITE CONDITIONS CHANGE	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	77 LBS (35 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	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 (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 231 COARSE PARTICLE CORRECTION						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	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	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE		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	77 LBS (35 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	77 LBS (35 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						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	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	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE		TEST	TEST	
	MT 217 FRACTURE						
	MT 208 LIQUID LIMIT		1 SAMPLE PER PROJECT 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	77 LBS (35 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	77 LBS (35 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						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	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	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE		TEST	TEST	
	MT 217 FRACTURE						
	MT 208 LIQUID LIMIT		1 SAMPLE PER PROJECT 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	30 LBS (14 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						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	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	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE		TEST	TEST	
	MT 217 FRACTURE						
	MT 208 LIQUID LIMIT		1 SAMPLE PER PROJECT 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			
	MT 217 FRACTURE						
	SPEC 701.02.6 DUST RATIO						
	MT 208 LIQUID LIMIT	30 LBS (14 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						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	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	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE		TEST	TEST	
	MT 217 FRACTURE						
	MT 208 LIQUID LIMIT		1 SAMPLE PER PROJECT 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 TYPE 2 (OLD 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	USE FIELD TESTED SAMPLE	ONE TEST FOR EACH LOT		TEST	TEST	
	MT 217 FRACTURE						
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER SOURCE	MIX DESIGN			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 TYPE 1 (OLD 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	USE FIELD TESTED SAMPLE	ONE TEST FOR EACH LOT		TEST	TEST	
	MT 217 FRACTURE						
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER SOURCE	MIX DESIGN			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	USE FIELD TESTED SAMPLE	ONE TEST FOR EACH LOT		TEST	TEST	
	MT 217 FRACTURE						
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER SOURCE	MIX DESIGN			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 500 TONS (MT), 5 SAMPLES = 1 LOT OR APPROX. 2,500 TONS (MT)	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	USE FIELD TESTED SAMPLE	ONE TEST FOR EACH LOT		TEST	TEST	
	MT 217 FRACTURE						
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER SOURCE	MIX DESIGN			CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN

AGGREGATE SURFACING SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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 (575 M^3)), 5 SAMPLES = 1 LOT	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			
	MT 208 LIQUID LIMIT		ONE TEST PER PROJECT RESAMPLE IF MATERIAL CHANGES	SAMPLE	TEST		
	MT 208A PLASTIC LIMIT & PLASTICITY INDEX						
	MT 211 MOISTURE - DENSITY RELATIONS OF SOIL-CEMENT						
	MT 216 SAMPLE CTB	30 LB (14 KG)	1 SET OF CYLINDERS PER 750 CU YDS (575 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 (575 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	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE		TEST	TEST	
	MT 208 LIQUID LIMIT		1 SAMPLE PER PROJECT 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	MIX DESIGN			CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN

BEARING DEVICES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 04/10/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ELASTOMERIC BEARING DEVICES 565.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
POLYTETRAFLUOROE THYLENE (PTFE) 565.02.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET			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 565.02.00.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

BITUMINOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 07/31/14**

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	1 EACH	ONE PER SHIPMENT	CERT OF COMP			QUALIFIED PRODUCTS LIST
	MT 302 SAMPLING	2 - 1 QT (2 - 1 L) SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	AASHTO T 72 SAYBOLT VISCOSITY					TEST	MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 EMULSIFIED ASPHALTS						**PRIMARY TEST METHOD** EVAPORATIVE DISTILLATION **SECONDARY TEST METHOD** HIGH TEMPERATURE DISTILLATION

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	1 EACH	ONE PER SHIPMENT	CERT OF COMP			QUALIFIED PRODUCTS LIST
	MT 302 SAMPLING	2 - 1 QT (2 - 1 L) SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	AASHTO T 72 SAYBOLT VISCOSITY					TEST	MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 EMULSIFIED ASPHALTS						**PRIMARY TEST METHOD** EVAPORATIVE DISTILLATION **SECONDARY TEST METHOD** HIGH TEMPERATURE DISTILLATION

BITUMINOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 07/31/14**

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	1 EACH	ONE PER SHIPMENT	CERT OF COMP			QUALIFIED PRODUCTS LIST
	MT 302 SAMPLING	2 - 1 QT (2 - 1 L) SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	AASHTO T 72 SAYBOLT VISCOSITY					TEST	MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 EMULSIFIED ASPHALTS						**PRIMARY TEST METHOD** EVAPORATIVE DISTILLATION **SECONDARY TEST METHOD** HIGH TEMPERATURE DISTILLATION

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	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	MT 302 SAMPLING	2 - 1 QT (2 - 1 L) SPECIMEN IN METAL CANS	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 201 KINEMATIC VISCOSITY					TEST	
	AASHTO T 78 DISTILLATION OF CUTBACK ASPHALT						
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						

BITUMINOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 07/31/14**

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 SHIPMENT	CERT OF COMP			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

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	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	MT 302 SAMPLING	2 - 1 QT (2 - 1 L) SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 59 EMULSIFIED ASPHALTS					TEST	
	AASHTO T 72 SAYBOLT VISCOSITY						MINIMUM OF ONE TEST PER PROJECT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
POLYMER MODIFIED CATIONIC RAPID SET EMULSION CRS-2P 702.02.08.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	MT 302 SAMPLING	2 - 1 QT (2 - 1 L) SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY					TEST	MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS						PARTICLE CHARGE TEST IS PERFORMED **PRIMARY TEST METHOD** EVAPORATIVE DISTILLATION **SECONDARY TEST METHOD** HIGH TEMPERATURE DISTILLATION

BITUMINOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 07/31/14**

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	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	MT 302 SAMPLING	2 - 1 QT (2 - 1 L) SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY					TEST	MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS						PARTICLE CHARGE TEST IS PERFORMED **PRIMARY TEST METHOD** EVAPORATIVE DISTILLATION **SECONDARY TEST METHOD** HIGH TEMPERATURE DISTILLATION

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	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	MT 302 SAMPLING	2 - 1 QT (2 - 1 L) SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY					TEST	MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS						PARTICLE CHARGE TEST IS PERFORMED **PRIMARY TEST METHOD** EVAPORATIVE DISTILLATION **SECONDARY TEST METHOD** HIGH TEMPERATURE DISTILLATION

BITUMINOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 07/31/14**

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	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	MT 302 SAMPLING	2 - 1 PINT (2-500 mL) SPECIMEN 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)	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)		CHECK		

BITUMINOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 07/31/14**

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	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	MT 302 SAMPLING	2 - 1 PINT (2-500 mL) SPECIMEN 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)	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)		CHECK		

BITUMINOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 07/31/14**

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	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	MT 302 SAMPLING	2 - 1 PINT (2-500 mL) SPECIMEN 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)	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)		CHECK		

BITUMINOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 07/31/14**

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	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	MT 302 SAMPLING	2 - 1 PINT (2-500 mL) SPECIMEN 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)	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)		CHECK		

BITUMINOUS PRIME & TACK COAT SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 06/11/13**

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 09/30/14**

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	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

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	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST VERIFY MATERIAL USED IS INCLUDED IN THE CONCRETE MIX DESIGN

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	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST VERIFY MATERIAL USED IS INCLUDED IN THE CONCRETE MIX DESIGN

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	DATA SHEET			

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	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST VERIFY MATERIAL USED IS INCLUDED IN THE CONCRETE MIX DESIGN

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	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST VERIFY MATERIAL USED IS INCLUDED IN THE CONCRETE MIX DESIGN

CONCRETE AND STRUCTURES SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST VERIFY MATERIAL USED IS INCLUDED IN THE CONCRETE MIX DESIGN

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	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST VERIFY MATERIAL USED IS INCLUDED IN THE CONCRETE MIX DESIGN

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			
	ASTM C1140 SHOTCRETE PANELS	24"X24"X4" (600 MM X 600 MM X 100 MM) PANEL	TWO SETS OF THREE CORES PER LOT (1 LOT = 100 CU YDS (75 M^3)) (SMALL QUANTITES TESTED EVERY 25 CY (M^3)) MINIMUM OF ONE TEST PER INSTALLATION	SAMPLE		TEST	
	MT 112 OBTAIN & TEST CONCRETE CORES						
	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			
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		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 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS GENERAL CONCRETE 551.03.02.02	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 FOUR 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	USE FIELD TESTED SAMPLE	ONE PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE PER PROJECT		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB
	MT 102 AIR CONTENT						
	MT 104 SLUMP						
	MT 101 COMPRESSIVE STRENGTH CYLINDERS		ONE SET OF FOUR CYLINDERS PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE SET PER PROJECT				
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		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 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS PAVE CONCRETE 551.03.02.03	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M3)	SEE SPECIFICATION 551.03.7 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	USE FIELD TESTED SAMPLE	ONE PER 5000 CU YDS (3800 M^3) OR A MINIMUM OF ONE PER PROJECT		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB
	MT 102 AIR CONTENT						
	MT 104 SLUMP						
	MT 101 COMPRESSIVE STRENGTH CYLINDERS		ONE SET OF FOUR CYLINDERS PER 5000 CU YDS (M^3) OR A MINIMUM OF ONE SET PER PROJECT				
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		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 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS PRE CONCRETE 551.03.02.04	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 FRESHLY MIXED CONCRETE						
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		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 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS SCC CONCRETE 551.03.02.05	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 SPECIFICATION 551.03.7 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	USE FIELD TESTED SAMPLE	ONE PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE PER PROJECT		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB
	MT 118 AIR CONTENT SCC						
	MT 116 SLUMP FLOW SCC						
	ASTM C1621 PASSING ABILITY OF SCC BY J-RING						
	ASTM C1611 VISUAL STABILITY INDEX						
	MT 117 COMPRESSIVE STRENGTH CYLINDERS OF SCC		ONE SET OF FOUR CYLINDERS PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE SET PER PROJECT				
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		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 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS DECK CONCRETE 551.03.02.06	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M3)	SEE SPECIFICATION 551.03.7 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
	MT 104 SLUMP						
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE						TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED
	MT 115 UNIT WEIGHT						FOR INFORMATION ONLY
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 105 SAMPLING FRESH CONCRETE	USE FIELD TESTED SAMPLE	ONE PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE PER PROJECT		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB
	MT 102 AIR CONTENT						
	MT 104 SLUMP						
	MT 101 COMPRESSIVE STRENGTH CYLINDERS		ONE SET OF FOUR CYLINDERS PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE SET PER PROJECT				
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		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 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS OVERLAY-SF CONCRETE 551.03.02.07	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M3)	SEE SPECIFICATION 551.03.7 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 THEN ONE TEST EVERY 16 CU YDS (12 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
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		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 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS OVERLAY-LM CONCRETE 551.03.02.08	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET			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 SET OF THREE CYLINDERS PER PROJECT	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			

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS STRUCTURE CONCRETE 551.03.02.09	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M3)	SEE SPECIFICATION 551.03.7 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
	MT 104 SLUMP						
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE						TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED
	MT 115 UNIT WEIGHT						FOR INFORMATION ONLY
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 105 SAMPLING FRESH CONCRETE	USE FIELD TESTED SAMPLE	ONE PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE PER PROJECT		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB
	MT 102 AIR CONTENT						
	MT 104 SLUMP						
	MT 101 COMPRESSIVE STRENGTH CYLINDERS		ONE SET OF FOUR CYLINDERS PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE SET PER PROJECT				
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		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 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS DRILLED SHAFT CONCRETE 551.03.02.10	MT 105 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M3)	SEE SPECIFICATION 551.03.7 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			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	USE FIELD TESTED SAMPLE	ONE PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE PER PROJECT		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB
	MT 102 AIR CONTENT						
	MT 104 SLUMP						
	MT 101 COMPRESSIVE STRENGTH CYLINDERS		ONE SET OF FOUR CYLINDERS PER 400 CU YDS (300 M^3) OR A MINIMUM OF ONE SET PER PROJECT				
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		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 09/30/14**

MATERIAL/ MATERIAL CODE	Mix Design			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONTROLLED LOW STRENGTH MATERIAL - EXCAV 551.03.02.11	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		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
CONTROLLED LOW STRENGTH MATERIAL - NON-EXCAV 551.03.02.12	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		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
PRE-PACKAGED CONCRETE 551.03.02.13	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT, PER TYPE	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LEAN CONCRETE 551.03.02.14	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
EPOXY RESIN GROUT 552.02.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET			

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	DATA SHEET			

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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	1 EACH	ONE PER DECK SECTION	CERT OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 111 PRESTRESSED STRUCTURAL MEMBERS	PER MT 111	ONE PER DECK SECTION		PRE-INSPECTION		

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	1 EACH	ONE PER BEAM	CERT OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 111 PRESTRESSED STRUCTURAL MEMBERS	PER MT 111	ONE PER BEAM		PRE-INSPECTION		

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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	1 EACH	ONE PER MEMBER	CERT OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	ASTM A416 SEVEN WIRE STRAND	8 FT (3 M)	ONE PER LOT	SAMPLE		TEST	REQUIRED ONLY WHEN MEMBER IS POST-TENSIONED
	MT 110 RCP AND ASSOCIATED ITEMS	PER MT 111	ONE PER MEMBER		PRE-INSPECTION		

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	1 EACH	ONE PER EACH	VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	REFER TO MT 110 FOR SAMPLE/TEST FREQUENCY		PRE-INSPECTION		

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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	1 EACH	ONE PER EACH	CERT OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	REFER TO MT 110 FOR SAMPLE/TEST FREQUENCY		PRE-INSPECTION		

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			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	REFER TO MT 110 FOR SAMPLE/TEST FREQUENCY		PRE-INSPECTION		

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	DATA SHEET			

CONCRETE SEALANT

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HIGH MOLECULAR WEIGHT METHACRYLATE (HMWM) 717.02.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH NUMBER	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	MT 535 HMWM IR TEST	2 - 4 OZ (2 - 120 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 SEALANT 717.02.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH NUMBER	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONCRETE CURING MATERIALS 717.01.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SILANE SEALER 717.02.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DECK SEALANT SAND 717.02.04.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			CERTIFICATION IS THE GRADATION ON THE CONTAINER

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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	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

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	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

EXCAVATION	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 06/11/13

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	77 LBS (35 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 214 SOIL CLASS						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	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)		CHECK		

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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	77 LBS (35 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 214 SOIL CLASS						
	MT 229 ZERO AIR VOIDS						SECONDARY TEST INTERIM MEASURE UNTIL A PROCTOR CAN BE PERFORMED
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 231 COARSE PARTICLE CORRECTION						PERFORMED WHEN REQUIRED PER MT 210 OR MT 230
	MT 220 SPECIFIC GRAVITY						
	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)		CHECK		

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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						
	MT 217 FRACTURE						

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SNOW FENCE MATERIAL 607.02.01.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT	VISUAL			VERIFY SEAL NUMBERS CORRESPOND WITH PRE-INSPECTION RECORDS
	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
CHAIN LINK FABRIC 712.01.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CHAIN LINK STEEL POST 712.01.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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

FENCING	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CABLE/TIE/BRACE WIRE 712.01.06.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FENCE WIRE 712.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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 PRODUCT	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

FENCING	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

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 SEAL NUMBERS CORRESPOND WITH PRE-INSPECTION RECORDS
	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	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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	DATA SHEET VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			STEEL CERT NEEDED FOR ALTERNATE DEADMAN MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

GEOTEXTILE SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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 OF COMP			
	ASTM D6637 TENSILE PROPERTIES OF GEOGRID	3 FT (1 M) X WIDTH	ONE PER 10,000 SQ YD (8,000 M^2)	SAMPLE		TEST	

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 OF COMP			
	ASTM D6637 TENSILE PROPERTIES OF GEOGRID	3 FT (1 M) X WIDTH	ONE PER 10,000 SQ YD (8,000 M^2)	SAMPLE		TEST	

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 OF COMP			
	ASTM D6637 TENSILE PROPERTIES OF GEOGRID	3 FT (1 M) X WIDTH	ONE PER 10,000 SQ YD (8,000 M^2)	SAMPLE		TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOCOMPOSITE DRAIN 622.02.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP			SUBMIT SAMPLE OF MATERIAL TO GEOTECHNICAL SECTION FOR REVIEW

GEOTEXTILE

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
WEED CONTROL MAT 713.06.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TURF REINFORCEMENT MAT - SYNTHETIC FIBER 713.12.00.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP OR DATA SHEET			CERTIFICATE OF COMPLIANCE IS REQUIRED FOR ALL EROSION CONTROL THAT CONTAINS STRAW ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TURF REINFORCEMENT MAT - NATURAL FIBER 713.12.00.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP OR DATA SHEET			CERTIFICATE OF COMPLIANCE IS REQUIRED FOR ALL EROSION CONTROL THAT CONTAINS STRAW ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SHORT TERM ROLLED EROSION CONTROL BLANKET 713.12.00.06	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP OR DATA SHEET			CERTIFICATE OF COMPLIANCE IS REQUIRED FOR ALL EROSION CONTROL THAT CONTAINS STRAW ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LONG TERM ROLLED EROSION CONTROL BLANKET 713.12.00.07	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP OR DATA SHEET			CERTIFICATE OF COMPLIANCE IS REQUIRED FOR ALL EROSION CONTROL THAT CONTAINS STRAW ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

GEOTEXTILE	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HIGH PERFORMANCE ROLLED EROSION CONTROL BLANKET 713.12.00.08	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP OR DATA SHEET			CERTIFICATE OF COMPLIANCE IS REQUIRED FOR ALL EROSION CONTROL THAT CONTAINS STRAW ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

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 OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 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 OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

GEOTEXTILE	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

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 OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 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 OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 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 OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 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 OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 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 OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 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 OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

GEOTEXTILE SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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 OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 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 OF COMP			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOMEMBRANE LINER 716.04.00.08	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP			SUBMIT SAMPLE OF MATERIAL TO GEOTECHNICAL SECTION FOR REVIEW

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 OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

GEOTEXTILE SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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 OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 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 C - HIGH SURVIVABILITY 716.05.00.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 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 OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 M^2)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D 4751 OPENING SIZE						
	ASTM D 4355 DETERIORATION						

GEOTEXTILE	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

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 OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 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 C - MODERATE SURVIVABILITY 716.05.00.06	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 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
TEMPORARY SILT FENCE 716.06.00.00	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			

GUARDRAIL	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 04/10/14

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	1 EACH	ONE PER EACH	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WIRE ROPE 705.01.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL BEAM GUARDRAIL 705.01.01.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	DATA SHEET			

GUARDRAIL	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 04/10/14

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			VERIFY SEAL NUMBERS CORRESPOND WITH PRE-INSPECTION RECORDS
	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	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP VISUAL			VERIFY MATERIAL MEETS NCHRP 350/MASH CERTIFICATE OF COMPLIANCE REQUIREMENTS

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	1 EACH	ONE PER EACH	CERT OF COMP VISUAL			VERIFY MATERIAL MEETS NCHRP 350/MASH CERTIFICATE OF COMPLIANCE REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

JOINT MATERIAL	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

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	DATA SHEET			ACCEPTANCE ONLY FROM 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	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

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	DATA SHEET			

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	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EXPANSION JOINT SYSTEM 707.01.02.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET OR CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

JOINT MATERIAL	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EXPANSION JOINT ASPHALT PLUG 707.01.02.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PREFORMED EXPANSION JOINT FILLER 707.01.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			

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	DATA SHEET			

LIGHTING, SIGNALS & COMMUNICATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
VARIABLE MESSAGE SIGN	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET VISUAL			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ANTENNA	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ELECTRICAL SUBMITTAL 703.01.00.01	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER PROJECT	DATA SHEET			SEE INDIVIDUAL MATERIAL FOR STEEL REQUIREMENTS
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT # NO CERTIFICATION IS REQUIRED IF THIS ITEM IS SUPPLIED BY MDT
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PVC CONDUIT	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER SIZE	DATA SHEET			QUALIFIED PRODUCTS LIST VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HDPE CONDUIT	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER SIZE	DATA SHEET			QUALIFIED PRODUCTS LIST VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL CONDUIT	ELECTRICAL ITEM CHECKLIST	N/A	ONE PER LOT	VISUAL			QUALIFIED PRODUCTS LIST VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

LIGHTING, SIGNALS & COMMUNICATION SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PULL BOXES	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER LOT/BATCH	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SIGNAL STANDARDS TYPE 2/3	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM/LOT	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT # 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	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM/LOT	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SIGNAL STANDARDS TYPE 1	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM/LOT	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONDUCTOR	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER LOT	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CABLE	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER LOT	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES 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
SERVICE & CONTROL ASSEMBLY	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES 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	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TRAFFIC SIGNAL INDICATION	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			QUALIFIED PRODUCTS LIST VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LED TRAFFIC SIGNAL	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			QUALIFIED PRODUCTS LIST VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PEDESTRIAN SIGNAL INDICATION	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			QUALIFIED PRODUCTS LIST VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DETECTOR LOOP	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PEDESTRIAN PUSH BUTTONS	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

LIGHTING, SIGNALS & COMMUNICATION

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MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LUMINAIRE ASSEMBLY	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EMERGENCY VEHICLE PREEMPTION	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS 4 TREATED WOOD POLES 703.16.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER CHARGE	VISUAL			VERIFY SEAL NUMBERS CORRESPOND WITH PRE-INSPECTION RECORDS
	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
GUYS & ANCHORS	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MAINTENANCE SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
8A-R SALT (MAINTENANCE) MT 1	CERT/ VISUAL INSPECTION	N/A	ONE PER TRUCK LOAD	VISUAL DATA SHEET			VISUALLY EVALUATE FOR CONTAMINATION
	MT 526 MOISTURE OF PNS SALT	AIR TIGHT CONTAINER (1 GAL SEALABLE BAG)	ONE PER TRUCK LOAD - TEST EACH SAMPLE - EXCEPT MISSOULA AND KALISPELL TEST EACH 5TH SAMPLE - IN CASE OF A FAILURE, TEST EACH SAMPLE	SAMPLE	TEST		TESTING OF MOISTURE CONTENT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
8A-B SALT (MAINTENANCE) MT 3	CERT/ VISUAL INSPECTION	AIR TIGHT CONTAINER (1 GAL SEALABLE BAG)	ONE PER TRUCK LOAD	VISUAL DATA SHEET			VISUALLY EVALUATE FOR CONTAMINATION
	*PNS METHOD 13 SALT GRADATION		TEST EACH SAMPLE	SAMPLE	TEST		*GRADATION - MUST BE HAND SHAKEN
	MT 526 MOISTURE OF PNS SALT						TESTING OF MOISTURE CONTENT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
8B SALT (MAINTENANCE) MT 10	CERT/ VISUAL INSPECTION	AIR TIGHT CONTAINER (1 GAL SEALABLE BAG)	ONE PER TRUCK LOAD	VISUAL DATA SHEET			VISUALLY EVALUATE FOR CONTAMINATION
	MT 526 MOISTURE OF PNS SALT		ONE PER TRUCK LOAD - TEST EACH SAMPLE - EXCEPT MISSOULA AND KALISPELL TEST EACH 5TH SAMPLE IN CASE OF A FAILURE, TEST EACH SAMPLE	SAMPLE			TESTING OF MOISTURE CONTENT

MAINTENANCE	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	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 SAMPLE FOR EVERY 100,000 GALLONS	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 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CORROSION INHIBITOR (MAINTENANCE) MT 6	CERT/ VISUAL INSPECTION	1 EACH	ONE PER TRUCK LOAD	DATA SHEET			
	MT 408 SAMPLING LIQUID DEICING MATERIAL	1 GALLON	ONE SAMPLE FOR EVERY 100,000 GALLONS	SAMPLE			
	MT 514 C.P.E.R.			TEST		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 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DE-ICER $MgCl_2$ (MAINTENANCE) MT 7	CERT/ VISUAL INSPECTION	1 EACH	ONE PER TRUCK LOAD	DATA SHEET			
	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 EVERY 100,000 GALLONS				CPER: CORROSION PERCENT EFFECTIVENESS RATING
	MT 501 PRECIPITATION INSPECTION						
	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 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DE-ICER $CaCl_2$ (MAINTENANCE) MT 8	CERT/ VISUAL INSPECTION	1 EACH	ONE PER TRUCK LOAD	DATA SHEET			
	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 EVERY 100,000 GALLONS				CPER: CORROSION PERCENT EFFECTIVENESS RATING
	MT 501 PRECIPITATION INSPECTION						
	MT 502 TOTAL SETTLEABLE SOLIDS						
	MT 504 pH						
	MT 511 HIGH CONCENTRATION METALS						
	MT 512 LOW CONCENTRATION METALS						
	MT 513 ASSAY						
	MT 522 CYANIDE						

MAINTENANCE SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SANDING MATERIAL MT 4	CERT/ VISUAL INSPECTION	1 EACH		DATA SHEET			
	MT 201 SAMPLING	30 LBS	ONE PER 2,000 TONS	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 203 UNIT WEIGHT						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COLD MIX ASPHALT PATCHING MATERIAL MT 9	CERT/ VISUAL INSPECTION	1 EACH	ONE PER CONTRACT	DATA SHEET			
	MT 217 FRACTURE	30 LBS		SAMPLE	TEST		
	MT 322 PERCENT ADHESION					TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ENGINE OIL ANALYSIS MT 5	CERT/ VISUAL INSPECTION	1 EACH		DATA SHEET			
	MT 520 ENGINE OIL ANALYSIS	50 mL	YEARLY/AS NEEDED	SAMPLE		TEST	

MISCELLANEOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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	DATA SHEET			SEE SPECIAL PROVISIONS 713.1
	AASHTO T 27 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 608.03.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CATTLE GUARD (GRATE) 611.02.04.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MAIL BOX 623.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST MAILBOX CLUSTERS ARE NOT REQUIRED TO BE ON THE QUALIFIED PRODUCTS LIST

MISCELLANEOUS SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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	DATA SHEET			

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	DATA SHEET			

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	DATA SHEET			

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	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
POWDER COATING 710.03.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ANTI-GRAFFITI COATING 710.04.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			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 MATERIAL ACCEPTED ON CERT 713.00.00.00	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SOURCE	CERT OF COMP OR DATA SHEET			CERTIFICATION OF COMPLIANCE IF REQUIRED BY CONTRACT PROVISIONS

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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

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	1 EACH	ONE PER GRIND/BIN/SHIPMENT	DATA SHEET			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
	AASHTO M 303 LIME FOR ASPHALT MIXTURES					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	1 EACH	ONE PER LOAD	DATA SHEET			QUALIFIED PRODUCTS LIST
	MT 517 SPECIFIC GRAVITY FOR SALT BRINE	1 QT (1 LITER)	ONE PER LOAD	SAMPLE TEST			SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	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	1 EACH	ONE PER LOAD	DATA SHEET			QUALIFIED PRODUCTS LIST
	MT 517 SPECIFIC GRAVITY FOR SALT BRINE	1 QT (1 LITER)	ONE PER LOAD	SAMPLE TEST			SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	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 09/30/14**

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	DATA SHEET			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	DATA SHEET			CERTIFICATION IS THE MIXTURE AND GRADATION ON THE CONTAINER
	AASHTO TP 83 CUBE SPECIMENS USING GROUT/MORTAR	1 CU FT (0.03 M3)	TWO SETS OF THREE CUBES PER EACH DAYS POUR	SAMPLE			
	AASHTO T 106 COMPRESSIVE STRENGTH OF MORTARS					TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TOPSOIL 713.05.02.01	MT 412 TOP SOIL	5 LBS (3 KG)	ONE TEST PER SOURCE	SAMPLE TEST			TESTING REQUIRED ON IMPORTED TOPSOIL ONLY

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	DATA SHEET			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	DATA SHEET			MUST MEET MT FERTILIZING LAWS

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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 OF COMP OR DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST CERTIFICATE OF COMPLIANCE IS REQUIRED FOR ALL MULCH THAT CONTAINS STRAW

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	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COMPOST 713.13.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SUPPLIER	CERT OF COMP OR DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST CERTIFICATE OF COMPLIANCE IS REQUIRED FOR ALL MULCH THAT CONTAINS STRAW

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

Revised 06/11/13

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TEMPORARY PAINT 714.03.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WATERBORNE PAINT 714.04.00.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HIGH DURABLE WATERBORNE PAINT 714.05.00.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EPOXY PAINT 714.06.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PREFORMED PLASTIC 714.07.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER TYPE	DATA SHEET			
	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
REFLECTIVE GLASS BEADS MT TYPE 1 714.08.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REFLECTIVE GLASS BEADS MT TYPE 2 714.08.00.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

PILE	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PILE DRIVING POINT 559.04.06.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PILE CUTTING SHOE 559.04.06.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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 OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

PILE	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

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 OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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 OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

PIPES	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

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 PROJECT	VISUAL			PRE-INSPECTION IS NOT REQUIRED IF ITEM IS PRODUCED AT A CERTIFIED PLANT (QPL)
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	MONTHLY		PRE-INSPECTION		PLANTS NEED 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 (QPL)
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	MONTHLY		PRE-INSPECTION		PLANTS NEED 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	DATA SHEET			

PIPES	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

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	DATA SHEET			

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	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CORRUGATED POLYETHYLENE PIPE 708.07.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRESSURIZED POLYETHYLENE PIPE 708.08.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SOLID WALL POLYETHYLENE PIPE 708.08.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET			

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	1 EACH	ONE PER ITEM	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

PIPES	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

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	1 EACH	ONE PER ITEM	DATA SHEET OR CERT OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	DATA SHEET VISUAL			

PIPES	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

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	DATA SHEET OR CERT OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	DATA SHEET VISUAL			

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 07/31/14

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	DATA SHEET			

PLANT MIX PAVEMENT SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 07/31/14**

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	SUFFICIENT QUANTITY IN 2-10 QUART (9.5 LITER) GALVANIZED BUCKETS	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 (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))				
	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 07/31/14
	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		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB OR MDT HQ LAB
	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 07/31/14

	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						

PLANT MIX PAVEMENT	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 07/31/14

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	SUFFICIENT QUANTITY IN 2-10 QUART (9.5 LITER) GALVANIZED BUCKETS	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 (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))				
	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 07/31/14
	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		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB OR MDT HQ LAB
	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 07/31/14

	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						

PLANT MIX PAVEMENT SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 07/31/14**

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	SUFFICIENT QUANTITY IN 2-10 QUART (9.5 LITER) GALVANIZED BUCKETS	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 (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))				
	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 07/31/14
	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		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB OR MDT HQ LAB
	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 07/31/14

	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						

PLANT MIX PAVEMENT SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 07/31/14**

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	SUFFICIENT QUANTITY IN 2-10 QUART (9.5 LITER) GALVANIZED BUCKETS	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 (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))				
	MT 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS			TEST			
	MT 321 RICE SPECIFIC GRAVITY						
	AASHTO T 245 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 07/31/14
	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		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB OR MDT HQ LAB
	MT 314 BULK SPECIFIC GRAVITY						
	MT 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS						
	MT 321 RICE SPECIFIC GRAVITY						
	AASHTO T 245 MARSHALL METHOD						

PLANT MIX PAVEMENT	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 07/31/14

	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						
	AASHTO T 245 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						
	AASHTO T 283 MODIFIED LOTTMAN	N/A				VERIFY	VERIFY TEST RESULTS FROM CONTRACTOR/CONSULTANT PROVIDING MIX DESIGN

PLANT MIX PAVEMENT	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 07/31/14

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		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB OR MDT HQ LAB
	MT 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS						

PLANT MIX PAVEMENT	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 07/31/14

	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 07/31/14

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 OF COMP			

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
	MT 312 MOISTURE CONTENT	MINIMUM 2.2 LB (1 KG) MOISTURE PROOF CONTAINER	ONE EVERY 3000 FT PAVER PATH	SAMPLE	TEST		
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE PER COLD RECYCLED PLANT MIX DESIGN	MIX DESIGN		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 OF COMP			

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	

SIGNING	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 07/31/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SNOW POLES 619.03.08.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET VISUAL			

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	DATA SHEET VISUAL			

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	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	DATA SHEET			

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

SIGNING			SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS				Revised 07/31/14
DEVICES 704.01.04.06	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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 SEAL NUMBERS CORRESPOND WITH PRE-INSPECTION RECORDS
	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		
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
RETRO-REFLECTIVE SHEETING 704.01.10.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FLEXIBLE DELINEATORS 704.03.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET VISUAL			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DRIVABLE FLEXIBLE DELINEATORS 704.03.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET VISUAL			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

STEEL SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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	1 EACH	ONE PER SHIPMENT	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	1 EACH	ONE PER SHIPMENT	DATA SHEET			VERIFY ITEM MEETS MDT REQUIREMENTS

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	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REBAR GRADE 75 711.01.01.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

STEEL SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS **Revised 09/30/14**

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	1 EACH	ONE PER SHIPMENT	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REBAR EPOXY COATING 711.01.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	DATA SHEET VISUAL			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

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	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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	1 EACH	ONE PER SHIPMENT	DATA SHEET OR CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT # REQUIRED ONLY IF MATERIAL HAS NOT BEEN PRE-INSPECTED
	MT 415 STRUCTURAL STEEL	1 EACH	ONE PER ITEM		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	1 EACH	ONE PER ITEM	DATA SHEET OR CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

STEEL	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

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	1 EACH	ONE PER ITEM	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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 FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #
	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	1 EACH	ONE TEST PER LOT/BATCH	DATA SHEET			

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	1 EACH	ONE TEST PER LOT/BATCH	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

STEEL	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

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	1 EACH	ONE PER SHIPMENT	DATA SHEET OR CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT # REQUIRED ONLY IF MATERIAL HAS NOT BEEN PRE-INSPECTED
	MT 409 WELDED STUD SHEAR CONNECTORS	1 EACH	ONE PER ITEM		PRE-INSPECTION		

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	1 EACH	ONE PER ITEM	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #
	ASTM A416 SEVEN WIRE STRAND	8 FT (3 M)	ONE TEST PER LOT	SAMPLE		TEST	

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	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

STEEL	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL ANCHOR BOLTS 711.13.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ROCK/SOIL ANCHOR 711.18.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	DATA SHEET			
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

STREAM PRESERVATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 07/31/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TEMPORARY ROLLED EROSION CONTROL 208.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT OF COMP OR DATA SHEET			CERTIFICATE OF COMPLIANCE IS REQUIRED FOR ALL EROSION CONTROL THAT CONTAINS STRAW

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	1 EACH	ONE PER ITEM	DATA SHEET 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
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
STREAM PRESERVATION 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 AGGREGATE 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			

CRASH TESTING	SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS	Revised 07/31/14

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 PROJECT	CSB618_02			TEMPORARY TRAFFIC CONTROL
				CERT OF COMP			GUARDRAIL
				CERT OF COMP			OTHER MATERIAL SUCH AS MAILBOX SUPPORT

BUILDING MATERIALS

STRUCTURE MATERIAL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BIRD SPIKES BM.699.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH TYPE	DATA SHEET			IF MATERIAL IS STEEL OR PRECAST, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GLUE LAMINATED BEAMS BM.699.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER BEAM	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
INSULATION BM.699.01.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
METAL ROOFING BM.699.01.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
METAL SIDING & SOFFIT BM.699.01.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

BUILDING MATERIALS

STRUCTURE MATERIAL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PICNIC SHELTER BM.699.01.06	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			IF MATERIAL IS STEEL OR PRECAST, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
QUARRY TILE BM.699.01.07	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ROOF JOIST BM.699.01.08	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			IF MATERIAL IS STEEL OR PRECAST, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
INTERIOR/ EXTERIOR BUILDING TAPE & PAINT BM.699.01.09	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

BUILDING MATERIALS

ELECTRICAL/MECHANICAL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
INTERIOR FIXTURES & FEATURES BM.699.02.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

PLUMBING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WASTE WATER PUMPS, FITTINGS & VALVES BM.699.03.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WELL PUMPS, FITTINGS & VALVES BM.699.03.07	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

ACCESSORIES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BENCHES BM.699.04.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			IF MATERIAL IS STEEL OR PRECAST, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

BUILDING MATERIALS

ACCESSORIES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PICNIC TABLES BM.699.04.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			IF MATERIAL IS STEEL OR PRECAST, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TRASH RECEPTACLES BM.699.04.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			IF MATERIAL IS STEEL OR PRECAST, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FIRE EXTINGUISHERS & CABINETS BM.699.04.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FLAG POLES BM.699.04.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TOILET ROOM ACCESSORIES BM.699.04.06	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

BUILDING MATERIALS

DOOR/DISPLAY

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

Revised 09/30/14

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ALUMINUM STOREFRONT BM.699.05.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DISPLAY CASES BM.699.05.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HOLLOW METAL DOORS & FRAMES BM.699.05.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			IF MATERIAL IS STEEL OR PRECAST, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
OVERHEAD GARAGE DOORS BM.699.05.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			IF ITEM IS 90% STEEL, A STEEL CERT IS REQUIRED.
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09