

**METHODS OF SAMPLING AND TESTING**  
**MT 601-0124**  
**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 of the tests that should 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**

Numerous materials are listed in the MT 601 Table. The basis of acceptance for these materials 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, Concrete, etc. The user can click on a category in the bookmark panel to advance to the table containing materials that fall within that category. Also included on each page is a link to MDT Special Provisions, Standard Specifications, and Detailed Drawings. The MT 601 Table contains:

- Name of the material.
- Material code - corresponds to the material code in AASHTOWare. (Every attempt is made to correlate material codes to the relevant specification sections as well, but this is not an absolute.)
- 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 collected.
- 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**

There are several methods for determining if a material is acceptable (i.e., meets contract requirements). The basis for acceptance of a material is defined in the contract and could be a combination of more than one acceptance method.

- Sample/Test Results: Utilized when test results are required to verify material quality.
- Qualified Products (QPL): Utilized for materials that have been approved for inclusion on MDT's QPL.
- Certification (Cert): Utilized when a certification of compliance or datasheet is required.
- Visual Inspection (Visual): Utilized when a visual inspection of the material is required.
- Domestic Material – Steel and Iron Material Certification: Utilized when a material is made from steel or iron and must meet Domestic Material requirements as outlined in Standard Specification 106.09. The MT 601 Table identifies whether a material is Steel Category 1 (Heat Numbers) or Steel Category 2 (Steel Cert).
- Domestic Material - Construction Materials (BABA): Utilized when a Construction Material must meet Domestic Material requirements as dictated by the Infrastructure and Investment Jobs Act (IIJA) of 2021 and outlined in Special Provision 106. Construction materials are materials that are not steel or iron or otherwise exempted by the IIJA as agreed upon by MDT and FHWA. The MT 601 Table identifies Construction Materials.
- Final Record: Sample and tests taken from completed portions of a project to spot check the results obtained for contract compliance.
- Pre-Inspect: 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 frequency. The contractor is responsible for collecting a representative sample when applicable.

All major items to be sampled and tested are listed by category in the MT 601 Table 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(s) will witness samples collected by the contractor.

**Quality Assurance (QA)** – Perform sampling for QA according to the Montana Materials Manual of Test Procedures and [Montana Standard Specifications for Road and Bridge Construction Manual](#) for the item to be sampled. Department personnel or an authorized representative(s) will witness samples collected by the contractor.

**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 collected 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. However, sufficient samples must be submitted to satisfy the frequency intended.. Independent Assurance is highlighted within the MT 601 Table in blue. Specifics on the IA procedure can be found in [MT 602 Acceptance, Independent Assurance and Final Record Sampling](#).

#### 3.1.1 *Small Quantity Items*

Standard acceptance sampling and testing of certain materials may not be possible or practical on projects where only a small quantity is required. In these instances, the EPM may designate those materials as a “Small Quantity”. Materials such as Commercial Plant Mix under 500 tons and minor quantities of concrete are examples.

When materials are designated as small quantities by the Project Manager, their acceptance must be based upon at least one of the following.

- Proper documentation such as material or component material certifications/datasheets and demonstrated compliance with an approved asphalt mix design, concrete mix design, or concrete batch proportion sheet (See section 551.03.8(C)(4)).
- Partial test results such as air and slump, density, aggregate gradation, etc.
- Adjacent test results such as results from a similar product elsewhere on the project. For example, a small quantity of class general concrete could be accepted based on compliance with the mix design or batch proportion sheet, QPL datasheets, and testing from a different class of concrete on the same project from the same source with results consistent with the mix design results.
- Visual inspection (where appropriate) – In rare cases, a visual inspection is all that is needed, but visual inspection alone may not be adequate. For example, if a material normally requires a test to verify a certain physical property such as tensile or compressive strength or R-value, these properties cannot be “visually” verified. Some other basis of acceptance must also be provided such as certs or test results. For example, if a soil requires an R-value but there is only a small quantity, the soil could be accepted based on its soil class if that information is known.
- Any appropriate combination of the above.

The Project Manager must document the reason materials are designated as a Small Quantity **and** provide a basis of acceptance as described above. Simply designating a material as a Small Quantity is not a sufficient basis of acceptance; small quantity designation only eliminates the sampling and testing requirement.

Materials and component materials that are only accepted via a certificate of compliance or datasheet without a sample may not be designated as a small quantity. However, once a material is designated as a small quantity, IA Comparison tests are no longer required because there is no sample for comparison. Buy America requirements apply to any iron or steel items designated as a Small Quantity.

It is important to remember that small quantities of materials can be just as critical as larger quantities, so careful consideration should be given to the specific application for a material before designating it as a Small Quantity.

### 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*

Material incorporated into maintenance work is included in the MT 601 Table. Sample at the appropriate interval and/or provide certification of materials to ensure the materials meet the maintenance contract requirements.

### 3.1.4 *Preconstruction Samples*

Preconstruction samples are taken prior to contract work beginning for the planning and developing of construction projects.

## 3.2 Qualified Products

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 identified on the Materials Index table and highlighted in yellow within the MT 601 table. Specifics on the QPL program can be found at the following link: [MDT's Qualified Products List](#).

## 3.3 Certification

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). 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 contract requirements.

- **Certificates of Compliance** – state the material meets the contract requirements or indicates specific test results or values correspond with specific material items, batches, lots, etc. identified on the Certificate. A manufacturer's authorized representative must sign 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 Visual Inspection

Visual inspection of the material's condition and/or previous satisfactory field performance may be made by the field.

### 3.5 Domestic Materials (Buy America and Build America, Buy America)

#### 3.5.1 *Steel and Iron Materials*

Standard Specification 106.09, 23 USC Section 313, and 23 CFR 635.410 apply to all steel and iron products designated for permanent incorporation into all MDT projects. Items designated as Category 1 or 2 will be verified as described below. For all other items, documentation will be required upon request.

- Items designated as Category 1 (Heat Numbers) 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 (Steel Cert) 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. Mill Certs (Heat Numbers) are not required to be submitted for Category 2 items, as long as the certification from the fabricator meets the above requirements.
- The Department reserves the right to request additional information and supporting documentation to verify the accuracy of the domestic statement.

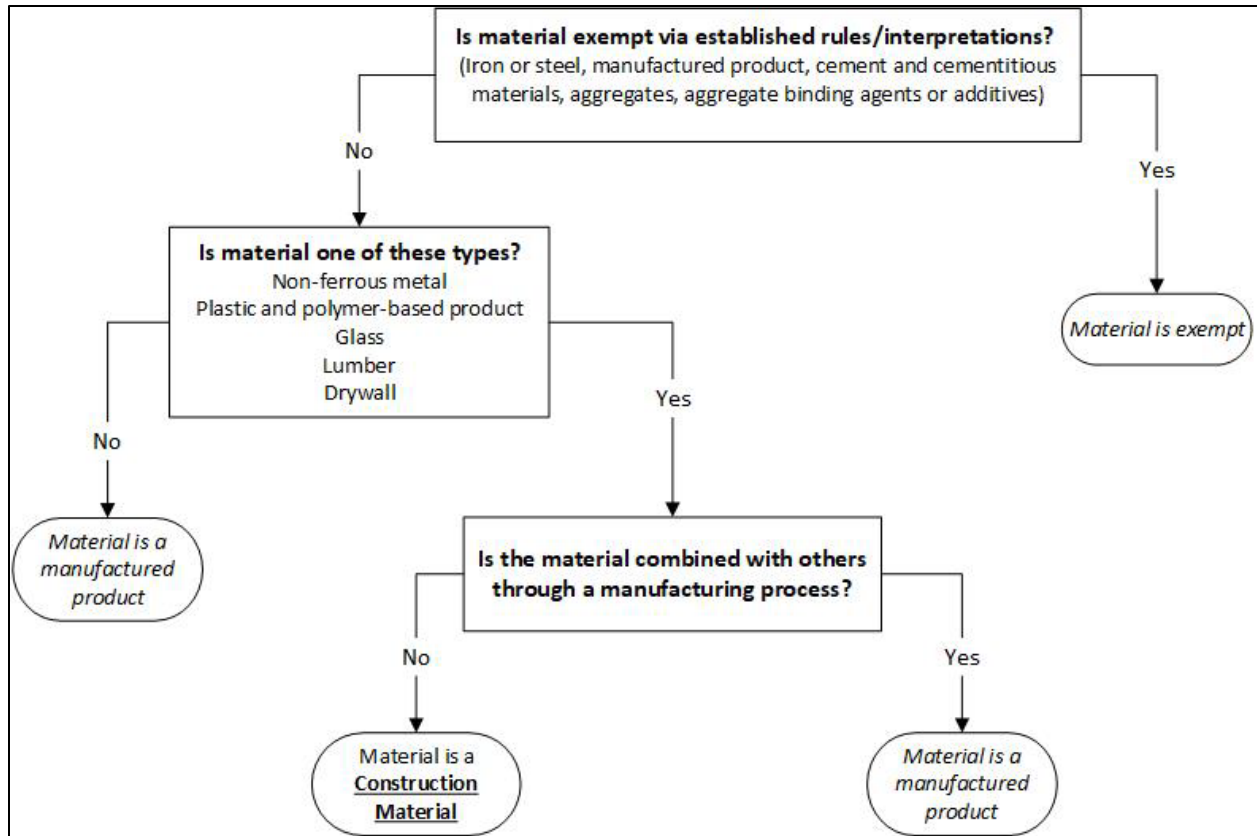
Acceptance requirements for steel and iron materials are identified on the Materials Index and are highlighted in gray within the MT 601 table. A link to MDT's [Form 406 - Contractors Certificate of Compliance for Miscellaneous Steel and Iron Items](#) is also included in the MT 601 table.

#### 3.5.2 *Construction Materials*

Special Provision 106 applies to all construction materials incorporated into MDT projects. Construction materials are designated as BABA (Build America, Buy America) Construction Materials in the MT 601 table.

Acceptance requirements for Construction Materials are identified on the Materials Index and are highlighted in purple within the MT 601 table. A link to MDT's [Form 407 – Manufacturer's Certificate of Compliance for Construction Materials](#) is also included in the MT 601 table.

Some products may be manufactured from a variety of materials or combination of materials (i.e., plastic or metal bird spikes). These products are noted in the MT 601 table. A decision will need to be made to determine if the product used on the project is designated as a Construction Material and must comply with Special Provision 106. Use the following decision tree for assistance in the decision-making process.



### 3.6 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. However, sufficient samples must be submitted to satisfy the frequency intended. FR samples are to be taken in accordance with [MT 602 Acceptance, Independent Assurance and Final Record Sampling](#).

### 3.7 Pre-Inspection

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

The Department representative performing pre-inspection of precast concrete products and prefabricated steel products verifies the fabricator is maintaining the supporting documentation regarding steel materials. Pre-inspected precast and prefabricated products delivered to the project must be accompanied by certification from the manufacturer stating all steel used in the product has been melted and manufactured in the United States and the fabricator has maintained supporting documentation. The Contractor is required to submit a [Form 406](#) 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.

3.8 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 requirements are highlighted within the MT 601 Table in green.

**4 Submittals, Documentation, and Reports**

A Contract Materials Acceptance (Checklist) Report in AASHTOWare should be generated at the beginning of each contract. This report will show the materials associated to each bid item. 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. Follow the applicable AASHTOWare cheat sheet for the material sampled to create a sample record and send the samples to the District/Area Lab or the Helena Materials Bureau.

Once a 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

C - Requires Certificate of Compliance

D - Requires Product Data Sheet

BAC1 - Requires Buy America Category 1 Certification

BAC2 - Requires Buy America Category 2 Certification

BABA-C - Requires Manufacturer's Certification for Construction Materials

QPL - Accepted only from the Qualified Products List

Material Code			Aggregate (AGGR)	Page
		301.00.00.00	Aggregate - Special Provision	14
		701.01	Concrete Aggregate - During Production	14
		701.01.01.01	Fine Concrete Aggregate	14
		701.01.01.02	Controlled Low Strength Material Aggregate	15
		701.01.02.01	Coarse Concrete Aggregate No. 2	15
		701.01.02.02	Coarse Concrete Aggregate No. 4	15
		701.01.03.01	Combined Concrete Aggregate	15
		701.04.01.01	Bedding Material	15
		701.04.02.01	Foundation Material	16
		701.04.03.01	Granular Bedding Material	16
		701.05.00.01	Filter Material Number 1	16
		701.05.00.02	Filter Material Number 2	16
		701.06.02.01	Riprap Class 1	17
		701.06.02.02	Riprap Class 2	17
		701.06.02.03	Riprap Class 3	17
		701.07.00.01	Bank Protection Type 1	17
		701.07.00.02	Bank Protection Type 2	17
		701.07.00.03	Bank Protection Type 3	17
		701.07.00.04	Bank Protection Type 4	17
		701.09.00.01	Wall Backfill	18
		701.10.00.01	Drain Aggregate	19
<b>C</b>		701.11.00.01	Glass Cullet	19
		701.13.00.01	Bridge End Backfill Type 1	19
		701.13.00.02	Bridge End Backfill Type 2	20
		701.13.00.03	Bridge End Backfill Type 3	20
		PC 1	Proposed Surfacing (Gravel Pit)	21
		PC 2	Soils for Soil Survey	22
		PC 9	Riprap Source Approval	23
Material Code			Aggregate Surfacing (AGGS)	Page
		301.03.06.01	Shoulder Gravel	24
		302.03.01.01	Pulverize/Milled Bituminous Pavement	24
		563.02.02.00	Polymer Overlay Aggregate	24
		701.02.04.01	Crushed Base Coarse Grade 5A	25
		701.02.04.02	Crushed Base Coarse Grade 6A	25
		701.02.04.03	Crushed Base Coarse Grade 7A	25
		701.02.06.01	Crushed Top Surfacing Grade 2A	26
		701.02.07.01	Crushed Top Surfacing Grade 3B	27
		701.02.08.01	Crushed Cover Aggregate Type 1	28
		701.02.08.02	Crushed Cover Aggregate Type 2	28
		701.02.08.03	Crushed Cover Aggregate Type 3	28
		701.02.09.01	Cement Treated Base	29
		701.03.00.01	Microsurfacing Aggregate Type 2	30
		701.03.00.02	Microsurfacing Aggregate Type 3	30
Material Code			Bearing Devices (BEAR)	Page
<b>D</b>	<b>BAC2</b>	<b>QPL</b>	711.14.00.01 Elastomeric Bearing Devices	31
<b>D</b>			711.20.00.01 Polytetrafluoroethylene (PTFE)	31
Material Code			Bituminous (BITM)	Page
<b>C</b>			702.01.01.01 Performance Graded Asphalt Binder 58-28	32
<b>C</b>			702.01.01.02 Performance Graded Asphalt Binder 64-22	32
<b>C</b>			702.01.01.03 Performance Graded Asphalt Binder 64-28	32
<b>C</b>			702.01.01.04 Performance Graded Asphalt Binder 70-28	32
<b>C</b>			702.01.01.06 Performance Graded Asphalt Binder 58H-34 (MSCR)	32

## MATERIAL INDEX

C		702.01.01.07	Performance Graded Asphalt Binder 58V-34 (MSCR)	32
C		702.01.02.01	SS-1h, Anionic Slow Set Emulsion	33
C		702.01.02.02	SS-1, Anionic Slow Set Emulsion	33
C		702.01.03.01	CSS-1h, Cationic Slow Set Emulsion	34
C		702.01.03.02	CSS-1, Cationic Slow Set Emulsion	34
C		702.01.05.01	HF-100, High Float Emulsion	35
C		702.01.05.02	HF-300, High Float Emulsion	35
C		702.01.05.03	CHFRS-2p, Polymer Mod. Cat. High Float Rapid Set Emulsion	35
C		702.01.06.01	CRS-2, Cationic Rapid Setting Emulsion	36
C		702.01.06.02	CRS-2p, Polymer Mod. Cat. Rapid Set Emulsion	36
C		702.01.07.01	CQS-1h, Cationic Quick Setting Emulsion	37
C		702.01.07.02	CQS-1p, Polymer Mod. Cat. Quick Set Emulsion	37
C		702.01.07.03	CQS-1hp, Polymer Mod. Cat. Quick Set Emulsion	38
C		702.01.08.01	Polymer Modified Rejuvenating Emulsion	38
		<b>Material Code</b>	<b>Bituminous Prime and Tack Coat (BPTC)</b>	<b>Page</b>
		701.14.00.00	Blotter Material	39
		<b>Material Code</b>	<b>Concrete and Structures (CONC)</b>	<b>Page</b>
D		551.02.00.01	Concrete Colorant	40
D	QPL	551.02.01.01	Portland Cement	40
D	QPL	551.02.01.02	Blended Cement	40
D	QPL	551.02.01.03	Rapid Hardening Hydraulic Cement	40
D	QPL	551.02.02.01	Fly Ash	40
D	QPL	551.02.03.01	Ground Granulated Blast Furnace Slag (GGBFS)	40
D	QPL	551.02.04.01	Microsilica/Silica Fume	41
D	QPL	551.02.05.01	Concrete Admixture	41
D	QPL	551.02.07.01	Blended Supplementary Cementitious Material	41
		551.03.02.02	Class General Concrete	42
		551.03.02.99	Concrete - Unclassified	42
		551.03.02.03	Class Pave Concrete	43
		551.03.02.05	Class SCC Concrete	44
		551.03.02.06	Class Deck Concrete	45
		551.03.02.07	Class Overlay-SF Concrete	46
D		551.03.02.08	Class Overlay-LM Concrete	47
		551.03.02.09	Class Structure Concrete	48
		551.03.02.10	Class Drilled Shaft Concrete	49
C		551.03.02.11	Controlled Low Strength Material-Excav	50
C		551.03.02.12	Controlled Low Strength Material-Non-Excav	50
D		551.03.02.13	Pre-Packaged Concrete	50
D		551.03.02.14	Lean Concrete	50
		551.03.02.15	Shotcrete	51
		551.03.02.16	Class Joint Concrete	52
		551.03.02.17	Class Structure - Low Slump Concrete	53
		551.03.02.18	Class Ultra High Performance Concrete	54
		551.03.02.19	Class Low Density Cellular Concrete	54
D		552.02.00.01	Epoxy Grout	55
C	BAC2	553.01.00.01	Prestressed Beam	55
C	BAC2	554.01.00.01	Precast Concrete Products	55
	BAC2	554.01.00.02	Cattle Guard Bases	56
D		554.01.00.03	CMU/SRW Blocks	56
D	BABA-C	563.02.00.01	Waterproof Membrane	56
D	BABA-C	563.02.00.02	Polymer Resin	56
D		713.14.00.01	Epoxy Adhesive	57
		<b>Material Code</b>	<b>Concrete Sealant (CONS)</b>	<b>Page</b>
D	QPL	717.01.03.01	Liquid Membrane-Forming Concrete Curing Compound	58
D	QPL	717.01.04.01	Concrete Cure and Seal Compounds	58
D	QPL	717.02.01.01	Silane Sealer	58
D	QPL	717.02.02.01	High Molecular Weight Methacrylate (HMWM)	58
D	QPL	717.02.02.02	Epoxy Bridge Deck Crack Sealant	59
D		717.02.02.03	Deck Sealant Sand	59



## MATERIAL INDEX

Material Code				Crack Sealing (CRKS)	Page
D	BABA-C	QPL	403.02.00.01	Crack Sealant	60
D	BABA-C	QPL	403.02.00.02	Backer Rod	60
Material Code				Excavation (EXC)	Page
			203.01.00.01	Embankment	61
			203.01.00.02	Special Borrow	62
			204.02.00.01	Stemming Aggregate for Blasting	62
Material Code				Fencing (FNC)	Page
D	BABA-C		607.02.01.01	Snow Fence Material	63
D	BAC2		712.01.02.01	Chain Link Fabric	63
D	BAC2		712.01.03.01	Chain Link Steel Post	63
D	BAC2		712.01.08.01	Chain Link Gate	64
D	BAC2		712.02.00.01	Fence Wire	64
D	BAC2		712.02.07.01	Steel Fence Post	64
	BABA-C		712.02.08.01	Wood Fence Post/Brace Rail	64
D	BAC2		712.02.09.01	Metal Gate	65
			712.02.12.01	Deadman/Anchor	65
Material Code				Geotextile (GEOT)	Page
D		QPL	713.12.00.01	Short Term Rolled Erosion Control Blanket	66
D		QPL	713.12.00.02	Long Term Rolled Erosion Control Blanket	66
D		QPL	713.12.00.03	High Performance Rolled Erosion Control Blanket	66
D		QPL	713.12.00.04	Turf Reinforcement Mat - Synthetic Fiber	66
D		QPL	713.12.00.05	Turf Reinforcement Mat - Natural Fiber	66
D			716.00.00.01	Geocomposite Drain	66
D			716.00.00.02	Geosynthetic Clay Liner	66
D	BABA-C		716.00.00.03	Geomembrane	67
D	BABA-C	QPL	716.02.00.01	Separation Geotextile - Moderate Survivability	67
D	BABA-C	QPL	716.02.00.02	Separation Geotextile - High Survivability	67
D	BABA-C	QPL	716.03.00.01	Stabilization Geotextile	67
D	BABA-C	QPL	716.04.00.01	Subsurface Drain Filter-Class A-Moderate Survivability	68
D	BABA-C	QPL	716.04.00.02	Subsurface Drain Filter-Class B-Moderate Survivability	68
D	BABA-C	QPL	716.04.00.03	Subsurface Drain Filter-Class C-Moderate Survivability	68
D	BABA-C	QPL	716.04.00.04	Subsurface Drain Filter-Class A-High Survivability	68
D	BABA-C	QPL	716.04.00.05	Subsurface Drain Filter-Class B-High Survivability	68
D	BABA-C	QPL	716.04.00.06	Subsurface Drain Filter-Class C-High Survivability	68
D	BABA-C	QPL	716.05.00.01	Permanent Erosion Control-Class-A Mod Survivability	69
D	BABA-C	QPL	716.05.00.02	Permanent Erosion Control-Class-B Mod Survivability	69
D	BABA-C	QPL	716.05.00.03	Permanent Erosion Control-Class-C Mod Survivability	69
D	BABA-C	QPL	716.05.00.04	Permanent Erosion Control-Class-A High Survivability	69
D	BABA-C	QPL	716.05.00.05	Permanent Erosion Control-Class-B High Survivability	69
D	BABA-C	QPL	716.05.00.06	Permanent Erosion Control-Class-C High Survivability	69
D			716.06.00.01	Temporary Silt Fence	69
D	BABA-C		716.07.00.01	Geogrid	70
Material Code				Guardrail (GRD)	Page
D	BAC2	QPL	705.01.01.01	Metal Beam Guardrail	71
D	BAC2	QPL	705.01.01.02	Box Beam Guardrail	71
D	BAC2		705.01.01.03	Cable Guardrail/Wire Rope	71
D	BAC2		705.01.01.05	Miscellaneous Guardrail	71
	BABA-C		705.01.02.01	Wood Guardrail Post/Blockout	72
D	BABA-C		705.01.02.02	Non-Wood Blockout	72
D	BAC2		705.01.05.01	Steel Guardrail Post	72
D	BAC2	QPL	606.02.00.01	W-Beam Terminal Section	73
D	BAC2		606.02.00.02	Box Beam Terminal Section	73
D	BAC2		606.02.00.03	Impact Attenuator	73
Material Code				Joint Material (JNT)	Page
D	BABA-C	QPL	707.01.00.01	Expansion Joint Fillers - Cork	74
D		QPL	707.01.01.01	Joint Sealing Material	74
C/D	BAC2		707.01.02.01	Expansion Joint System	74
D			707.01.02.02	Silicone Joint Seal	74

## MATERIAL INDEX

D			707.01.02.03	Fabric Reinforced Neoprene Joint Seal	74
D			707.01.02.04	Expansion Joint Asphalt Plug	75
D			707.01.03.01	Preformed Expansion Joint Filler	75
D	BABA-C		707.02.01.01	Rubber Gasket	75
D			707.02.02.01	Flexible Joint Sealer	75
			<b>Material Code</b>	<b>Lighting, Signals &amp; Communication (LSM)</b>	<b>Page</b>
D	BAC2		703.00.00.00	Electrical Submittal	76
D				Variable Message Sign	76
D				Antenna	76
D	BABA-C			PVC Conduit	76
D	BABA-C			HDPE Conduit	76
D	BAC2			Steel Conduit	77
D	BAC2			Pull Boxes	77
D	BAC2			Signal Standards Type 2/3	77
D	BAC2			Luminaire Standard Type 10	77
D	BAC2			Signal Standards Type 1	78
D	BABA-C			Conductor	78
D				Cable	78
D				Service & Control Assembly	78
D				Traffic Signal Cabinet	78
D				Traffic Signal Indication	78
D				LED Traffic Signal	79
D				Pedestrian Signal Indication	79
D				Detector Loop	79
D				Pedestrian Push Buttons	79
D				Luminaire Assembly	79
D				Emergency Vehicle Preemption	79
D				Guys & Anchors	80
	BABA-C		703.14.00.01	Class 4 Treated Wood Poles	80
			<b>Material Code</b>	<b>Maintenance (MAIN)</b>	<b>Page</b>
D			MT 1.1	Salt 8A-R (Road Salt)	81
D			MT 1.2	Salt 8A-B (Brine Salt)	81
D			MT 1.3	Salt 8B (Wet Salt)	82
			MT 2	Salt Brine - NaCl	82
D			MT 3.1	De-Icer - MgCl <sub>2</sub>	83
D			MT 3.2	De-Icer - CaCl <sub>2</sub>	84
D			MT 3.3	De-Icer - KCH <sub>3</sub> COO	85
D			MT 4.1	3/8" Sanding Material	85
D			MT 4.2	5/16" Sanding Material	86
D			MT 5	Engine Oil Analysis	86
D			MT 6	Corrosion Inhibitor	87
D			MT 7	Cold Mix Asphalt Patching Material	87
			<b>Material Code</b>	<b>Miscellaneous (MISC)</b>	<b>Page</b>
D	BAC2	QPL	608.02.00.01	Detectable Warning Devices	88
C	BAC2		611.02.04.01	Cattle Guard Gate	88
D		QPL	623.02.00.01	Mail Box	88
D	BABA-C		706.01.00.01	Structural Timber and Lumber	88
D			709.04.00.01	Bituminous Coatings	89
D			710.01.00.01	Steel Structure Paint	89
C			710.03.00.01	Powder Coating	89
D		QPL	710.04.00.01	Anti-Graffiti Coating	89
C/D	BABA-C		713.00.00.00	Miscellaneous Material Accepted on Cert	89
			713.01.00.01	Water for Concrete	90
D		QPL	713.02.00.01	Hydrated Lime	90
D			713.03.00.01	Magnesium Chloride	90
D			713.03.00.02	Calcium Chloride	91

## MATERIAL INDEX

D			713.04.00.01	Structural Cement Grout	91
D			713.04.00.02	Cement Grout	91
D			713.04.00.03	Mortar	91
D			713.14.00.02	Epoxy Resin	91
			<b>Material Code</b>	<b>Pavement Markings (PMM)</b>	<b>Page</b>
D		QPL	714.03.00.01	Temporary Waterborne Paint	92
D		QPL	714.04.00.01	Waterborne Paint	92
D		QPL	714.05.00.01	High Durability Waterborne Paint	92
D		QPL	714.06.00.01	Epoxy Paint	92
D			714.07.00.01	Preformed Plastic Pavement Marking	92
D	BABA-C	QPL	714.08.00.01	Reflective Glass Beads - Type 1	93
D	BABA-C	QPL	714.08.00.02	Reflective Glass Beads - Type 2	93
			<b>Material Code</b>	<b>Pile (PILE)</b>	<b>Page</b>
C	BAC2		559.02.03.01	Pile Driving Point	94
C	BAC2		559.02.03.02	Pile Cutting Shoe	94
C	BAC1		711.10.01.01	Structural Steel Piles	94
C	BAC1		711.10.02.01	Steel Pipe Piles	95
			<b>Material Code</b>	<b>Pipes (PIPE)</b>	<b>Page</b>
C	BAC2	QPL	708.01.00.01	Reinforced Concrete Pipe	96
C	BAC2	QPL	708.01.00.02	Reinforced Concrete Box	96
C	BAC2		708.02.00.01	Concrete Pressure Pipe	97
D	BABA-C		708.05	Plastic Pipe	97
D	BABA-C		708.06	Plastic Pipe	97
D	BABA-C		708.07	Plastic Pipe	97
D	BABA-C		708.08	Plastic Pipe	97
D	BAC2		709.01.01.01	Ductile Iron Water Pipe	97
C/D	BAC2		709.01.02.01	Steel Water Pipe	98
D	BAC2		709.02.00.01	Corrugated Steel Pipe	98
D	BAC2		709.03.00.01	Steel Structural Plate Pipe	98
D	BAC2		709.05.00.02	Precoated Corrugated Steel Pipe	98
D	BABA-C		709.07.00.01	Corr Aluminum Pipe	99
C/D	BAC2		709.09.00.01	Seamless Steel Pipe	99
D	BABA-C		709.10.00.01	Copper Pipe	99
			PC 3	Soil/Water for Pipe Corrosion	99
			<b>Material Code</b>	<b>Plant Mix Pavement (PMP)</b>	<b>Page</b>
D		QPL	401.02.04.01	Warm Mix Additives	100
D			401.02.05.01	Anti-Stripping Additive	100
			401.03.00.01	Plant Mix Surfacing Grade S - 3/4"	101
			401.03.00.02	Plant Mix Surfacing Grade S - 1/2"	101
			401.03.00.03	Plant Mix Surfacing Grade S - 3/8"	101
			401.03.00.04	Plant Mix Seal Course	103
C			702.01.08.02	Cold Recycling Asphalt Emulsion	105
			405.03.00.01	Cold Recycled Plant Mix	105
			405.03.00.02	Hot In-Place Recycled Plant Mix	105
			PC 4	Cores for Stripping Analysis	106
			PC 5	Preconstruction Soil Chemistry	106
			PC 6	Hot In Place Recycled Cores	106
			<b>Material Code</b>	<b>Revegetation</b>	<b>Page</b>
D			610.01.00.01	Plants - Trees & Shrubs	107
			713.05.00.01	Topsoil	107
			713.05.00.02	Landscape Grade Topsoil	107
D		QPL	713.06.00.01	Weed Control Mat	107
D		QPL	713.08.00.01	Reclamation Seed	107
D			713.08.00.02	Landscaping Seed	107
D			713.09.00.01	Fertilizer	107
C/D		QPL	713.10.00.01	Mulch	108
D			713.11.00.01	Sod	108
C/D		QPL	713.13.00.01	Compost	108

## MATERIAL INDEX

Material Code			Signing (SIGN)		Page
D			704.01.01.01	Aluminum Sign Sheeting	109
D	BAC2		704.01.04.01	Steel Sign Posts	109
D	BAC2		704.01.04.02	Structural Steel Sign Posts	109
D	BAC2	QPL	704.01.04.03	Breakaway Devices	109
	BABA-C		704.01.06.01	Treated Wood Posts & Poles	109
D			704.01.10.01	Retro-Reflective Sheeting	110
D		QPL	704.03.00.01	Surface Mount Flexible Delineators	110
D	BAC2	QPL	704.03.00.02	Drivable Flexible Delineators	110
	BAC1		704.08.01.01	Overhead Structures	110
Material Code			Steel (STL)		Page
D	BAC2		711.00.00.01	Steel Railing	111
D	BAC2		711.01.00.01	Rock/Soil Anchor	111
D	BAC2	QPL	711.01.01.01	Rebar Grade 40	111
D	BAC2	QPL	711.01.01.02	Rebar Grade 60	111
D	BAC2	QPL	711.01.01.03	Rebar Grade 75	111
D	BAC2	QPL	711.01.01.04	Smooth Dowel Bar Grade 40	111
C		QPL	711.01.02.01	Rebar Epoxy Coating	111
D	BAC2	QPL	711.01.03.01	Reinforcing Wire, Wire Mesh	112
D	BAC2		711.01.04.01	Rebar - Corrosion Resistant - Cr - Gr100	112
D	BAC2		711.01.04.02	Rebar - Corrosion Resistant - SS - Gr 60	112
C/D	BAC1		711.02.00.01	Structural Steel	113
C/D	BAC2		711.02.00.02	Prefabricated Pre-Inspected Structural Steel Members	113
C/D	BAC1		711.03.00.01	Structural Steel Tubing	113
	BAC2		711.06.00.01	High Tensile Strength Bolts	114
D	BAC2		711.08.00.01	Galvanized Metal	114
C/D	BAC2		711.09.00.01	Welded Stud Shear Connectors	114
D	BAC2		711.11.00.01	Prestressing Steel	115
D	BAC2		711.12.03.01	Miscellaneous Iron Castings	115
D	BAC2	QPL	711.12.03.02	Cast Iron Inlet Frames and Grates	115
D	BAC2		711.13.00.01	Structural Anchor Bolts	115
D	BAC2		711.18.00.01	Mechanical Rebar Connectors	115
D	BAC2		711.21.00.01	High Strength Wire Rockfall Mesh	116
D	BAC2		711.21.00.02	Gabion Baskets	116
Material Code			Stream Preservation (STPR)		Page
D			208.02.00.01	Temporary Rolled Erosion Control	117
D			208.02.00.02	Temporary Seed	117
			208.02.00.03	Stream Preservation Materials	117
			208.02.03.01	Streambed Aggregate	117
Building Materials (BM)					
Material Code			Structure Material (STR)		Page
	BABA-C		BM.699.01.01	Bird Spikes	118
D	BABA-C		BM.699.01.02	Glue Laminated Beams	118
D			BM.699.01.03	Insulation	118
D	BAC2		BM.699.01.04	Metal Roofing	118
D	BAC2		BM.699.01.05	Metal Siding & Soffit	119
D	BABA-C		BM.699.01.06	Picnic Shelter (Non Precast)	119
D			BM.699.01.07	Quarry Tile	119
D	BAC2		BM.699.01.08	Roof Joist	119
D			BM.699.01.09	Interior/Exterior Building Tape & Paint	120
	BABA-C		BM.699.01.10	Masonry/Through Wall Flashing	120
D			BM.699.01.11	Pre-Packaged Mortar	120
D			BM.699.01.14	Masonry Siding	120
D	BABA-C		BM.699.01.15	Interior/Exterior Glass and Glazing	121
Material Code			Electrical/Mechanical (ELMC)		Page
D			BM.699.02.01	Electrical	121
D	BABA-C		BM.699.02.02	HVAC System	121
			BM.699.02.03	Interior Fixtures & Features	121
D	BAC2		BM.699.02.04	Propane Tank	122

## MATERIAL INDEX

<b>Material Code</b>		<b>Plumbing (PLMB)</b>		<b>Page</b>
D	BABA-C	BM.699.03.01	Irrigation System	122
D	BABA-C	BM.699.03.02	Plumbing	122
D	BABA-C	BM.699.03.03	Waste Water Treatment System	123
D	BABA-C	BM.699.03.04	Waste Water Utility Pipe & Appurtenance	123
D	BABA-C	BM.699.03.05	Waste Water Pumps, Fittings & Valves	123
D	BABA-C	BM.699.03.07	Well Pumps, Fittings & Valves	124
<b>Material Code</b>		<b>Accessories (ACC)</b>		<b>Page</b>
D		BM.699.04.01	Benches (Non Precast)	124
D		BM.699.04.02	Picnic Tables (Non Precast)	124
D		BM.699.04.03	Trash Receptacles (Non Precast)	124
D		BM.699.04.04	Fire Extinguishers & Cabinets	124
D	BABA-C	BM.699.04.05	Flag Poles (Aluminum)	125
		BM.699.04.06	Toilet Room Accessories	125
<b>Material Code</b>		<b>Door/Display (DRDP)</b>		<b>Page</b>
D		BM.699.05.01	Aluminum Storefront	125
D		BM.699.05.02	Display Cases	125
		BM.699.05.03	Hollow Metal Doors & Frames	125
D		BM.699.05.04	Overhead Garage Doors	126
<b>Material Code</b>		<b>Scale Site Specific (SSS)</b>		<b>Page</b>
D	BAC2	BM.699.06.01	Scale Pit Structural Items	126
D		BM.699.06.02	Scale Electronics, Transducers, and Displays	126

AGGREGATE

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
AGGREGATE - SPECIAL PROVISION 301.00.00.00	MT 201 SAMPLING	77 LBS	ONE TEST PER SOURCE/PER PROJECT	SAMPLE			USE FOR NON-STANDARD AGGREGATES  PER SPECIAL PROVISION
	MT 202 SIEVE ANALYSIS				TEST		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CONCRETE AGGREGATE - DURING PRODUCTION  701.01	MT 201 SAMPLING	30 LBS	PAVING: ONE TEST PER EVERY 1000 YD <sup>3</sup>	SAMPLE				
	MT 202 SIEVE ANALYSIS		OTHER: ONE SAMPLE FOR EACH 200 YD <sup>3</sup> OF CONCRETE WITH A MINIMUM OF ONE SAMPLE PER PROJECT	TEST				
	<b>INDEPENDENT ASSURANCE (COMPARISON TESTING)</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
		MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	PAVING: ONE SAMPLE FOR EACH TWO LANE MILE, MINIMUM OF ONE SAMPLE FOR PROJECTS LESS THAN ONE MILE  OTHER: 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  701.01.01.01	MT 201 SAMPLING	50 LBS	PROPOSED SOURCE: THREE 50 LB COMPOSITE SAMPLES FROM EACH SOURCE		SAMPLE		IF REQUESTED	
	MT 202 SIEVE ANALYSIS				TEST			
	AASHTO T 21 ORGANIC IMPURITIES IN FINE AGGREGATE					TEST		
	AASHTO T 104 SOUNDNESS SODIUM SULFATE (FINE AGG)							

AGGREGATE

**AGGREGATE**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONTROLLED LOW STRENGTH MATERIAL AGGREGATE 701.01.02	MT 201 SAMPLING	30 LBS	ONE EVERY 200 YD <sup>3</sup> OF CONTROLLED LOW STRENGTH MATERIAL	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COARSE CONCRETE AGGREGATE No. 2 701.01.02.01 No. 4 701.01.02.02  COMBINED/ INTERMEDIATE CONCRETE AGGREGATE 701.01.03.01	MT 201 SAMPLING	50 LBS	PROPOSED SOURCE: THREE 50 LB COMPOSITE SAMPLES FROM EACH SOURCE		SAMPLE		
	MT 202 SIEVE ANALYSIS				TEST		
	AASHTO T 104 SOUNDNESS SODIUM SULFATE				TEST		
	AASHTO T 96 LOS ANGELES ABRASION				TEST		

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	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER INSTALLATION AND PER LIFT	TEST			

**AGGREGATE**

AGGREGATE

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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	ONE TEST PER SOURCE	SAMPLE	TEST		
	MT 202 SIEVE ANALYSIS						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	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
GRANULAR BEDDING MATERIAL  701.04.03.01	MT 201 SAMPLING	77 LBS	ONE TEST PER SOURCE	SAMPLE	TEST		
	MT 202 SIEVE ANALYSIS						

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

AGGREGATE



**AGGREGATE**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
RIPRAP CLASS 1 701.06.02.01	SPEC TABLE 701-21 RANDOM RIPRAP	N/A	ONE TEST PER PROJECT	TEST			OPTICAL GRANULOMETRY SOFTWARE
CLASS 2 701.06.02.02 CLASS 3 701.06.02.03	MDT FORM 127 RIPRAP	N/A	ONE TEST PER SOURCE	VISUAL			

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 701-22 BANK PROTECTION	N/A	ONE TEST PER PROJECT	TEST			
TYPE 2 701.07.00.02 TYPE 3 701.07.00.03 TYPE 4 701.07.00.04	CERT/ VISUAL INSPECTION	N/A	ONE TEST PER SOURCE	VISUAL			

AGGREGATE

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES			
WALL BACKFILL  701.09.00.01	MT 201 SAMPLING	77 LBS	ONE TEST PER SOURCE	SAMPLE	TEST					
	MT 202 SIEVE ANALYSIS									
	AASHTO T 89 LIQUID LIMIT									
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX									
	AASHTO T 335 FRACTURE									
	AASHTO M 145 SOIL CLASS									
	MT 210 (5.5LB) PROCTOR									
	MT 230 (10LB) PROCTOR									
	AASHTO T 104 SOUNDNESS			30 LBS		ONE TEST PER SOURCE		SAMPLE	TEST	TEST MAY BE REQUIRED PER SPECIAL PROVISION
	SODIUM SULFATE									
AASHTO T 267 ORGANIC CONTENT IN SOILS										
AASHTO T 288 SOIL RESISTIVITY										
AASHTO T 289 pH OF SOIL										
AASHTO T 290 SULFATE CONTENT IN SOIL										
AASHTO T 291 CHLORIDE IN SOIL										
MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER INSTALLATION AND PER LIFT	TEST							

**AGGREGATE**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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	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			

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	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS						
	AASHTO T 335 FRACTURE				TEST		
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER INSTALLATION AND PER LIFT	TEST			

**AGGREGATE**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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	ONE TEST PER SOURCE	SAMPLE	TEST		
	MT 202 SIEVE ANALYSIS						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	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 3  701.13.00.03	MT 201 SAMPLING	77 LBS	ONE TEST PER SOURCE	SAMPLE	TEST		
	MT 202 SIEVE ANALYSIS						
	AASHTO T 89 LIQUID LIMIT						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						
	AASHTO M 145 SOIL CLASS						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER INSTALLATION AND PER LIFT	TEST			

**AGGREGATE**

**AGGREGATE**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
PROPOSED SURFACING (GRAVEL PIT)  PC 1	AASHTO R 58 PREPARATION	SAMPLE PER MT 201	ONE TEST PER SOURCE		VISUAL			
	MT 201 SAMPLING				SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST			
	AASHTO T 89 LIQUID LIMIT							
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX							
	AASHTO M 145 SOIL CLASS							
	AASHTO T 96 LOS ANGELES ABRASION							TEST
	AASHTO T 327 MICRO-DEVAL							
	AASHTO T 104 SOUNDNESS SODIUM SULFATE							

AGGREGATE

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SOILS FOR SOIL SURVEY  PC 2	AASHTO R 58 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						
	AASHTO T 89 LIQUID LIMIT						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX				TEST		
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	AASHTO M 145 SOIL CLASS						
	AASHTO T 100 SPECIFIC GRAVITY OF SOILS						
	MT 232 SOILS CORROSION					TEST	
	AASHTO T 190 R-VALUE						

AGGREGATE

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
RIPRAP SOURCE APPROVAL  PC 9	MT 201 SAMPLING	100 LBS	ONE TEST PER SOURCE	SAMPLE	TEST		
	ASTM C535 LA ABRASION						
	AASHTO T 85 ABSORPTION						
	AASHTO T 85 SPECIFIC GRAVITY						
	AASHTO T 104 SOUNDNESS SODIUM SULFATE						

**AGGREGATE SURFACING**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SHOULDER GRAVEL  301.03.06.01	MT 201 SAMPLING	30 LBS	ONE TEST PER SOURCE/PER PROJECT	SAMPLE			
	MT 202 SIEVE ANALYSIS		RESAMPLE IF MATERIAL SOURCE CHANGES		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 SIEVE
	MT 202 SIEVE ANALYSIS	77 LBS	ONE PER PROJECT	TEST			VISUALLY INSPECT UNLESS QUESTIONABLE
	MT 230 (10LB) PROCTOR		TWO TESTS PER MATERIAL TYPE RESAMPLE IF MATERIAL CHANGES	SAMPLE	TEST		
	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	TEST			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
POLYMER OVERLAY AGGREGATE  563.02.02.00	MT 202 SIEVE ANALYSIS	30 LBS	ONE PER PROJECT	TEST			
	AASHTO T 84 ABSORPTION			SAMPLE		TEST	
	AASHTO T 255 MOISTURE			TEST			



**AGGREGATE SURFACING**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CRUSHED BASE COURSE  GRADE 5A 701.02.04.01  GRADE 6A 701.02.04.02  GRADE 7A 701.02.04.03	MT 201 SAMPLING	77 LBS	1 SAMPLE FOR EACH 2,500 TONS (1,250 CU YDS), 1 LOT = 5 SAMPLES OR APPROX. 12,500 TONS (6,250 CU YDS)	SAMPLE				
	MT 202 SIEVE ANALYSIS			TEST				
	AASHTO T 335 FRACTURE							
	AASHTO T 89 LIQUID LIMIT	77 LBS	TWO TESTS PER MATERIAL TYPE RESAMPLE IF MATERIAL CHANGES	SAMPLE	TEST			
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX							
	MT 230 (10LB) PROCTOR							
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	10 TESTS PER 2000 FT	TEST				
	<b>INDEPENDENT ASSURANCE (COMPARISON TESTING)</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE		TEST	TEST		
	AASHTO T 335 FRACTURE							
AASHTO T 89 LIQUID LIMIT	1 SAMPLE PER PROJECT PER SOURCE							
AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX								

**AGGREGATE SURFACING**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CRUSHED TOP SURFACING GRADE 2A  701.02.06.01	MT 201 SAMPLING	30 LBS	1 SAMPLE FOR EACH 2,500 TONS (1,250 CU YDS), 1 LOT = 5 SAMPLES OR APPROX. 12,500 TONS (6,250 CU YDS)	SAMPLE				
	MT 202 SIEVE ANALYSIS			TEST				
	AASHTO T 335 FRACTURE							
	AASHTO T 89 LIQUID LIMIT	30 LBS	TWO TESTS PER MATERIAL TYPE RESAMPLE IF MATERIAL CHANGES	SAMPLE	TEST			
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX							
	MT 210 (5.5LB) PROCTOR							
	MT 230 (10LB) PROCTOR							
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	10 TESTS PER 2000 FT	TEST				
	<b>INDEPENDENT ASSURANCE (COMPARISON TESTING)</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE		TEST	TEST		
AASHTO T 335 FRACTURE								
AASHTO T 89 LIQUID LIMIT	1 SAMPLE PER PROJECT PER SOURCE							
AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX								

**AGGREGATE SURFACING**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CRUSHED TOP SURFACING GRADE 3B  701.02.07.01	MT 201 SAMPLING	30 LBS	1 SAMPLE FOR EACH 2,500 TONS (1,250 CU YDS), 1 LOT = 5 SAMPLES OR APPROX. 12,500 TONS (6,250 CU YDS)	SAMPLE				
	MT 202 SIEVE ANALYSIS							
	AASHTO T 335 FRACTURE							
	AASHTO T 89 LIQUID LIMIT	30 LBS	TWO TESTS PER MATERIAL TYPE RESAMPLE IF MATERIAL CHANGES	SAMPLE	TEST			
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX							
	MT 210 (5.5LB) PROCTOR							
	MT 230 (10LB) PROCTOR							
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	10 TESTS PER 2000 FT	TEST				
	<b>INDEPENDENT ASSURANCE (COMPARISON TESTING)</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE		TEST	TEST		
AASHTO T 335 FRACTURE								
AASHTO T 89 LIQUID LIMIT	1 SAMPLE PER PROJECT PER SOURCE							
AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX								

**AGGREGATE SURFACING**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CRUSHED COVER AGGREGATE	MT 201 SAMPLING	30 LBS	1 SAMPLE FOR EACH 38,500 SQ YDS, 1 LOT = 5 SAMPLES OR APPROX. 192,500 SQ YDS	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			
	AASHTO T 335 FRACTURE						
<b>INDEPENDENT ASSURANCE (COMPARISON TESTING)</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
TYPE 1 701.02.08.01	MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	ONE TEST FOR EACH LOT		TEST	TEST	
	AASHTO T 335 FRACTURE						
TYPE 2 701.02.08.02	<b>Mix Design</b>			<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
TYPE 3 701.02.08.03	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.

**AGGREGATE SURFACING**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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	1 SAMPLE FOR EACH 1,500 TONS (750 CU YDS), 1 LOT = 5 SAMPLES	SAMPLE				
	MT 202 SIEVE ANALYSIS			TEST				
	AASHTO T 89 LIQUID LIMIT		ONE TEST PER PROJECT RESAMPLE IF MATERIAL CHANGES	SAMPLE	TEST			
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX							
	AASHTO T 134 MOISTURE - DENSITY RELATIONS OF SOIL-CEMENT							
	MT 216 SAMPLE CTB	30 LBS	1 SET OF CYLINDERS PER 750 CU YDS 1 LOT = 5 SAMPLES	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 1 LOT = 5 SAMPLES	TEST			IF COMPACTION TEST FAILS, 2 ADDITIONAL TESTS ARE TO BE COMPLETED AND THE AVERAGE OF 3 TESTS IS THE RECORDED RESULTS	
	<b>INDEPENDENT ASSURANCE (COMPARISON TESTING)</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE			TEST	TEST	
AASHTO T 89 LIQUID LIMIT	1 SAMPLE PER PROJECT PER SOURCE							
AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX								
<b>Mix Design</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>	
CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER SOURCE		MIX DESIGN		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN	

**AGGREGATE SURFACING**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
MICROSURFACING AGGREGATE  TYPE 2 701.03.00.01  TYPE 3 701.03.00.02	MT 201 SAMPLING	30 LBS	1 SAMPLE FOR EACH 300 TONS, 1 LOT = 5 SAMPLES OR APPROX. 1,500 TONS	SAMPLE				
	MT 202 SIEVE ANALYSIS			TEST				
	AASHTO T 335 FRACTURE							
	<b>INDEPENDENT ASSURANCE (COMPARISON TESTING)</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	ONE TEST FOR EACH LOT			TEST	TEST	
	<b>Mix Design</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER SOURCE		MIX DESIGN			CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN

**BEARING DEVICES**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ELASTOMERIC BEARING DEVICES	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
711.14.00.01	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
POLYTETRA- FLUOROETHYLENE (PTFE) 711.20.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

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SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PERFORMANCE GRADED ASPHALT BINDER  58-28 702.01.01.01  64-22 702.01.01.02  64-28 702.01.01.03  70-28 702.01.01.04  58H-34 (MSCR) 702.01.01.06  58V-34 (MSCR) 702.01.01.07	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	<a href="#">MT 302 SAMPLING</a>			SAMPLE			
	AASHTO R 28 PRESSURIZED AGING VESSEL	2 - 1 PINT SPECIMEN IN METAL CANS	1 SAMPLE PER 25 TONS OF ASPHALT BINDER (1 LOT = 150 TONS OF ASPHALT BINDER)  <u>COMMERCIAL MIXES</u> 1 SAMPLE PER 450 TONS OF PLANT MIX SURFACING (1 LOT = 2700 TONS OF PLANT MIX SURFACING)			TEST	
	AASHTO R 92 ELASTIC BEHAVIOR BY MSCR						
	AASHTO T 48 CLEVELAND OPEN CUP						
	AASHTO T 240 ROLLING THIN-FILM OVEN						
	AASHTO T 313 BENDING BEAM RHEOMETER						
	AASHTO T 315 DYNAMIC SHEAR RHEOMETER						
	AASHTO T 316 VISCOSITY BY ROTATIONAL VISCOMETER						
	AASHTO T 350 MSCR						



BITUMINOUS

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SS-1H ANIONIC SLOW SET EMULSION  702.01.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP			QUALIFIED PRODUCTS LIST
	<a href="#">MT 302 SAMPLING</a>	2 - 1 QT 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					MINIMUM OF ONE TEST PER PROJECT	
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS					TEST	
	AASHTO T 59 EMULSIFIED ASPHALTS					<u>PRIMARY TEST METHOD</u> EVAPORATIVE DISTILLATION <u>SECONDARY TEST METHOD</u> HIGH TEMPERATURE DISTILLATION	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SS-1 ANIONIC SLOW SET EMULSION  702.01.02.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP			QUALIFIED PRODUCTS LIST
	<a href="#">MT 302 SAMPLING</a>	2 - 1 QT 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					MINIMUM OF ONE TEST PER PROJECT	
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS					TEST	
	AASHTO T 59 EMULSIFIED ASPHALTS					<u>PRIMARY TEST METHOD</u> EVAPORATIVE DISTILLATION <u>SECONDARY TEST METHOD</u> HIGH TEMPERATURE DISTILLATION	

**BITUMINOUS**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CSS-1H CATIONIC SLOW SET EMULSION  702.01.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP			QUALIFIED PRODUCTS LIST
	<a href="#">MT 302 SAMPLING</a>	2 - 1 QT 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					MINIMUM OF ONE TEST PER PROJECT	
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 EMULSIFIED ASPHALTS					<b>TEST</b>	<b>PRIMARY TEST METHOD</b> EVAPORATIVE DISTILLATION <b>SECONDARY TEST METHOD</b> HIGH TEMPERATURE DISTILLATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CSS-1 CATIONIC SLOW SET EMULSION  702.01.03.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP			QUALIFIED PRODUCTS LIST
	<a href="#">MT 302 SAMPLING</a>	2 - 1 QT 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					MINIMUM OF ONE TEST PER PROJECT	
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 EMULSIFIED ASPHALTS					<b>TEST</b>	<b>PRIMARY TEST METHOD</b> EVAPORATIVE DISTILLATION <b>SECONDARY TEST METHOD</b> HIGH TEMPERATURE DISTILLATION

**BITUMINOUS**

**BITUMINOUS**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HIGH FLOAT EMULSION  HF-100 702.01.05.01  HF-300 702.01.05.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	<a href="#">MT 302 SAMPLING</a>	2 - 1 QT SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY						MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS					TEST	
	AASHTO T 59 EMULSIFIED ASPHALTS						<b><u>PRIMARY TEST METHOD</u></b> EVAPORATIVE DISTILLATION <b><u>SECONDARY TEST METHOD</u></b> HIGH TEMPERATURE DISTILLATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CHFRS-2P POLYMER MODIFIED CATIONIC HIGH FLOAT RAPID SET EMULSION  702.01.05.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	<a href="#">MT 302 SAMPLING</a>	2 - 1 QT SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY						MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS					TEST	
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS						<b><u>PRIMARY TEST METHOD</u></b> EVAPORATIVE DISTILLATION <b><u>SECONDARY TEST METHOD</u></b> HIGH TEMPERATURE DISTILLATION

**BITUMINOUS**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CRS-2 CATIONIC RAPID SETTING EMULSION  702.01.06.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	<a href="#">MT 302 SAMPLING</a>	2 - 1 QT SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY						MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS						<b><u>PRIMARY TEST METHOD</u></b> EVAPORATIVE DISTILLATION <b><u>SECONDARY TEST METHOD</u></b> HIGH TEMPERATURE DISTILLATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CRS-2P POLYMER MODIFIED CATIONIC RAPID SET EMULSION  702.01.06.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	<a href="#">MT 302 SAMPLING</a>	2 - 1 QT SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY						MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS						<b><u>PRIMARY TEST METHOD</u></b> EVAPORATIVE DISTILLATION <b><u>SECONDARY TEST METHOD</u></b> HIGH TEMPERATURE DISTILLATION

**BITUMINOUS**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CQS-1h CATIONIC QUICK SETTING EMULSION  702.01.07.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	<a href="#">MT 302 SAMPLING</a>	2 - 1 QT SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY						MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS					TEST	<b><u>PRIMARY TEST METHOD</u></b> EVAPORATIVE DISTILLATION <b><u>SECONDARY TEST METHOD</u></b> HIGH TEMPERATURE DISTILLATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CQS-1P POLYMER MODIFIED CATIONIC QUICK SET EMULSION  702.01.07.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	<a href="#">MT 302 SAMPLING</a>	2 - 1 QT SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY						MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS					TEST	<b><u>PRIMARY TEST METHOD</u></b> EVAPORATIVE DISTILLATION <b><u>SECONDARY TEST METHOD</u></b> HIGH TEMPERATURE DISTILLATION

**BITUMINOUS**

**BITUMINOUS**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CQS-1HP POLYMER MODIFIED CATIONIC QUICK SET EMULSION  702.01.07.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	<a href="#">MT 302 SAMPLING</a>	2 - 1 QT SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY						MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS					TEST	
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS						<b><u>PRIMARY TEST METHOD</u></b> EVAPORATIVE DISTILLATION <b><u>SECONDARY TEST METHOD</u></b> HIGH TEMPERATURE DISTILLATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
POLYMER MODIFIED REJUVENATING EMULSION  702.01.08.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	<a href="#">MT 302 SAMPLING</a>	2 - 1 QT SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY						MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS					TEST	
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS						<b><u>PRIMARY TEST METHOD</u></b> EVAPORATIVE DISTILLATION <b><u>SECONDARY TEST METHOD</u></b> HIGH TEMPERATURE DISTILLATION

**BITUMINOUS**

**BITUMINOUS PRIME & TACK COAT**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BLOTTER MATERIAL  701.14.00.00	MT 201 SAMPLING	30 LBS	ONE TEST PER PROJECT	SAMPLE	TEST		
	MT 202 SIEVE ANALYSIS						
	AASHTO T 89 LIQUID LIMIT						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						

**CONCRETE AND STRUCTURES**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONCRETE COLORANT 551.02.00.01	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
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 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
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
RAPID HARDENING HYDRAULIC CEMENT 551.02.01.03	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
FLY ASH 551.02.02.01	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) 551.02.03.01	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**



**CONCRETE AND STRUCTURES**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MICROSILICA /SILICA FUME 551.02.04.01	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
CONCRETE ADMIXTURE 551.02.05.01	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
BLENDED SUPPLEMENTARY CEMENTITIOUS MATERIAL 551.02.07.01	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, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS GENERAL CONCRETE  551.03.02.02  CONCRETE UNCLASSIFIED  551.03.02.99	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT	MINIMUM OF 2 SETS PER LOT (200 YD <sup>3</sup> OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD <sup>3</sup> OR LESS [551.03.8(C)(1)(a)]
	AASHTO T 22 COMPLESSIVE STRENGTH						
	AASHTO T 152 AIR CONTENT	1 CU FT	ONE TEST EVERY 30 YD <sup>3</sup> AND WHEN COMPRESSIVE STRENGTH CYLINDERS ARE MADE	SAMPLE TEST			INCLUDE IN QA
	AASHTO T 119 SLUMP						TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE						
	AASHTO T 121 UNIT WEIGHT						FOR INFORMATION ONLY
	<b>Mix Design</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>
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, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CLASS PAVE CONCRETE  551.03.02.03	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE				
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT	MINIMUM OF 2 SETS PER LOT (1000 YD <sup>3</sup> OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD <sup>3</sup> OR LESS [551.03.8(C)(1)(a)]	
	AASHTO T 22 COMPRESSIVE STRENGTH							
	AASHTO T 152 AIR CONTENT	1 CU FT	ONE TEST EVERY 30 YD <sup>3</sup> AND WHEN COMPRESSIVE STRENGTH CYLINDERS ARE MADE	SAMPLE TEST			INCLUDE IN QA	
	AASHTO T 119 SLUMP						TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED	
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE							
	THICKNESS OF CONCRETE (SURVEY METHOD)	N/A	MIN OF ONE TEST PER 1000 FEET OF TRAFFIC LANE OF PAVEMENT PLACED	SAMPLE TEST			PRIMARY TEST SEE STANDARD SPECS SECTION 501.03.17	
	AASHTO T 148 MEASURING LENGTH OF CORES						SECONDARY TEST  USE FOR VERIFICATION OR RESOLVE DESCREANCIES AS IDENTIFIED IN MDT STANDARD SPECS SECTION 501.03.17	
	AASHTO T 24 OBTAIN AND TEST CONCRETE CORES							
	AASHTO T 121 UNIT WEIGHT						FOR INFORMATION ONLY	
	<b>Mix Design</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	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, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES		
CLASS SCC CONCRETE  551.03.02.05	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE					
	MT 117 COMPRESSIVE STRENGTH CYLINDERS OF SCC	1 CU FT	MINIMUM OF 2 SETS PER LOT (200 YD <sup>3</sup> OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD <sup>3</sup> OR LESS [551.03.8(C)(1)(a)]		
	AASHTO T 22 COMPRESSIVE STRENGTH								
	AASHTO T 152 AIR CONTENT SCC	1 CU FT	ONE TEST EVERY 30 YD <sup>3</sup> AND WHEN COMPRESSIVE STRENGTH CYLINDERS ARE MADE	SAMPLE TEST			INCLUDE IN QA		
	AASHTO T 347 SLUMP FLOW SCC						TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED		
	AASHTO T 345 PASSING ABILITY OF SCC BY J-RING								
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE								
	AASHTO T 351 VISUAL STABILITY INDEX (VSI)			DETERMINE VSI EVERY TIME A SLUMP FLOW TEST IS CONDUCTED	VISUAL				
	AASHTO T 121 UNIT WEIGHT				SAMPLE TEST				FOR INFORMATION ONLY
	<b>Mix Design</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>	
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, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CLASS DECK CONCRETE  551.03.02.06	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE				
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT	MINIMUM OF 2 SETS PER LOT (200 YD <sup>3</sup> OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD <sup>3</sup> OR LESS [551.03.8(C)(1)(a)]	
	AASHTO T 22 COMPRESSIVE STRENGTH							
	AASHTO T 358 RESISTIVITY		TEST 3 - 28 DAY COMPRESSIVE STRENGTH CYLINDERS					
	AASHTO T 152 AIR CONTENT	1 CU FT	ONE TEST EVERY 30 YD <sup>3</sup> AND WHEN COMPRESSIVE STRENGTH CYLINDERS ARE MADE	SAMPLE TEST			INCLUDE IN QA	
	AASHTO T 119 SLUMP						TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED	
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE						FOR INFORMATION ONLY	
	AASHTO T 121 UNIT WEIGHT							
	<b>Mix Design</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	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, DETAILED DWGS, STANDARD SPECS, FORMS

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	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE				
	<b>MT 101 COMPRESSIVE STRENGTH CYLINDERS</b>	1 CU FT	MINIMUM OF 2 SETS PER LOT (200 YD <sup>3</sup> OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD <sup>3</sup> OR LESS [551.03.8(C)(1)(a)]	
	AASHTO T 22 COMPRESSIVE STRENGTH							
	AASHTO T 358 RESISTIVITY		TEST 3 - 28 DAY COMPRESSIVE STRENGTH CYLINDERS					
	AASHTO T 152 AIR CONTENT	1 CU FT	ONE TEST FOR THE FIRST LOAD AND THEN ONE TEST EVERY 16 YD <sup>3</sup> THEREAFTER	SAMPLE TEST			INCLUDE IN QA	
	AASHTO T 119 SLUMP						TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED	
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE							
	AASHTO T 121 UNIT WEIGHT						FOR INFORMATION ONLY	
	<b>Mix Design</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	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, DETAILED DWGS, STANDARD SPECS, FORMS

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	
	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE				
	<b>MT 101 COMPRESSIVE STRENGTH CYLINDERS</b>	1 CU FT	MINIMUM OF 2 SETS PER LOT (200 YD <sup>3</sup> OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD <sup>3</sup> OR LESS [551.03.8(C)(1)(a)]	
	AASHTO T 22 COMPRESSIVE STRENGTH							
	AASHTO T 358 RESISTIVITY		TEST 3 - 28 DAY COMPRESSIVE STRENGTH CYLINDERS					
	AASHTO T 152 AIR CONTENT	1 CU FT	ONE TEST PER EACH MOBILE MIXER	SAMPLE TEST				
	AASHTO T 121 UNIT WEIGHT							
	<b>Mix Design</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	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, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CLASS STRUCTURE CONCRETE  551.03.02.09	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE				
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT	MINIMUM OF 2 SETS PER LOT (200 YD <sup>3</sup> OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD <sup>3</sup> OR LESS [551.03.8(C)(1)(a)]	
	AASHTO T 22 COMPRESSIVE STRENGTH							
	AASHTO T 358 RESISTIVITY		TEST 3 - 28 DAY COMPRESSIVE STRENGTH CYLINDERS					ONLY REQUIRED WHEN CLASS STRUCTURE IS SPECIFIED BY CONTRACT IN LIEU OF CLASS DECK
	AASHTO T 152 AIR CONTENT	1 CU FT	ONE TEST EVERY 30 YD <sup>3</sup> AND WHEN COMPRESSIVE STRENGTH CYLINDERS ARE MADE	SAMPLE TEST				INCLUDE IN QA
	AASHTO T 119 SLUMP							TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE							
	AASHTO T 121 UNIT WEIGHT							FOR INFORMATION ONLY
	<b>Mix Design</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	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, DETAILED DWGS, STANDARD SPECS, FORMS

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	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE				
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT	MINIMUM OF 2 SETS PER LOT (200 YD <sup>3</sup> OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD <sup>3</sup> OR LESS [551.03.8(C)(1)(a)]	
	AASHTO T 22 COMPRESSIVE STRENGTH							
	AASHTO T 119 SLUMP	1 CU FT	ONE TEST EVERY 30 YD <sup>3</sup> AND WHEN COMPRESSIVE STRENGTH CYLINDERS ARE MADE	SAMPLE TEST			TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED	
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE							
	AASHTO T 121 UNIT WEIGHT							
	<b>Mix Design</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	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, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONTROLLED LOW STRENGTH MATERIAL  EXCAV 551.03.02.11  NON-EXCAV 551.03.02.12	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	CERT OF COMP			CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN
	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE			SAMPLE REQUIRED ONLY WHEN CLSM PLACEMENT SUPPORTS A TRAFFIC LOAD
	ASTM D4832 PREPARATION AND TESTING OF CLSM	1 CU FT	ONE SET PER PROJECT	SAMPLE		TEST	
	<b>Mix Design</b>			<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		APPROVAL	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	DATA SHEET			VERIFY ITEM MEETS MDT REQUIREMENTS

CONCRETE AND STRUCTURES

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
SHOTCRETE  551.03.02.15	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE				
	ASTM C1140 SHOTCRETE PANELS	24"X24"X4" PANEL	TWO SETS OF THREE CORES PER LOT (1 LOT = 100 YD <sup>3</sup> ) (SMALL QUANTITIES TESTED EVERY 25 YD <sup>3</sup> ) MINIMUM OF ONE TEST/PANEL PER INSTALLATION	SAMPLE		TEST		
	ASTM C1604 OBTAIN & TEST CONCRETE CORES							
	AASHTO T 152 AIR CONTENT	1 CU FT	ONE TEST FOR THE FIRST LOAD AND ONE TEST EVERY 16 YD <sup>3</sup>	TEST				
	<b>Mix Design</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	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, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CLASS JOINT CONCRETE  551.03.02.16	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE				
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT	MINIMUM OF 2 SETS PER LOT (200 YD <sup>3</sup> OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD <sup>3</sup> OR LESS [551.03.8(C)(1)(a)]	
	AASHTO T 22 COMPRESSIVE STRENGTH							
	AASHTO T 358 RESISTIVITY		TEST 3 - 28 DAY COMPRESSIVE STRENGTH CYLINDERS					
	AASHTO T 152 AIR CONTENT	1 CU FT	ONE TEST EVERY 30 YD <sup>3</sup> AND WHEN COMPRESSIVE STRENGTH CYLINDERS ARE MADE	SAMPLE TEST			INCLUDE IN QA	
	AASHTO T 119 SLUMP						TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED	
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE							
	AASHTO T 121 UNIT WEIGHT						FOR INFORMATION ONLY	
	<b>Mix Design</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	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, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CLASS STRUCTURE - LOW SLUMP CONCRETE  551.03.02.17	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE				
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT	MINIMUM OF 2 SETS PER LOT (200 YD <sup>3</sup> OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD <sup>3</sup> OR LESS [551.03.8(C)(1)(a)]	
	AASHTO T 22 COMPRESSIVE STRENGTH							
	AASHTO T 358 RESISTIVITY		TEST 3 - 28 DAY COMPRESSIVE STRENGTH CYLINDERS					ONLY REQUIRED WHEN CLASS STRUCTURE IS SPECIFIED BY CONTRACT IN LIEU OF CLASS DECK
	AASHTO T 152 AIR CONTENT	1 CU FT	ONE TEST EVERY 30 YD <sup>3</sup> AND WHEN COMPRESSIVE STRENGTH CYLINDERS ARE MADE	SAMPLE TEST			INCLUDE IN QA	
	AASHTO T 119 SLUMP						TEST EACH LOAD WHEN INCONSISTENT OR FAILING TEST RESULTS ARE ENCOUNTERED	
	AASHTO T 309 TEMPERATURE OF FRESHLY MIXED CONCRETE							
	AASHTO T 121 UNIT WEIGHT						FOR INFORMATION ONLY	
	<b>Mix Design</b>				<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	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, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CLASS ULTRA HIGH PERFORMANCE CONCRETE  551.03.02.18	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE				
	MT 101 COMPRESSIVE STRENGTH CYLINDERS		SEE SPECIAL PROVISIONS	SAMPLE		TEST		
	AASHTO T 22 COMPRESSIVE STRENGTH							
	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.	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CLASS LOW DENSITY CELLULAR CONCRETE  551.03.02.19	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE				
	MT 101 COMPRESSIVE STRENGTH CYLINDERS		SEE SPECIAL PROVISIONS	SAMPLE		TEST		
	AASHTO T 22 COMPRESSIVE STRENGTH							
	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, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EPOXY GROUT  552.02.00.01	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
PRESTRESSED BEAM  553.01.00.01	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	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRECAST CONCRETE PRODUCTS  554.01.00.01	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
	ASTM A416 SEVEN WIRE STRAND	8 FT	ONE PER LOT	SAMPLE		TEST	REQUIRED ONLY WHEN MEMBER IS POST-TENSIONED
	MT 110 RCP AND ASSOCIATED ITEMS	N/A				PRE-INSPECTION QPL FACILITIES ONLY	PRODUCTS PRODUCED AT NON-CERTIFIED PLANTS ACCEPTED PER SPECIFICATION 554.03
	MT 111 PRESTRESSED STRUCTURAL MEMBERS	PER MT 111	ONE PER DECK SECTION			PRE-INSPECTION	FOR PRESTRESSED ITEMS

CONCRETE AND STRUCTURES

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CATTLE GUARD BASES  554.01.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	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				PRE-INSPECTION QPL FACILITIES ONLY	PRODUCTS PRODUCED AT NON-CERTIFIED PLANTS ACCEPTED PER SPECIFICATION 554.03

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CMU/SRW BLOCKS 554.01.00.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WATERPROOF MEMBRANE 563.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT, PER TYPE	DATA SHEET			
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
POLYMER RESIN 563.02.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT, PER TYPE	DATA SHEET			
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106



**CONCRETE AND STRUCTURES**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EPOXY ADHESIVES 713.14.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EPOXY TYPE	DATA SHEET			

**CONCRETE SEALANT**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LIQUID MEMBRANE- FORMING CONCRETE CURING COMPOUND 717.01.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
CONCRETE CURE AND SEAL COMPOUNDS 717.01.04.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
SILANE SEALER 717.02.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
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 BRIDGE DECK CRACK SEALANT IR TEST	2 - 4 OZ PLASTIC BOTTLES		SAMPLE		TEST	SAMPLE REQUIRED TO BE TAKEN FROM JOB SITE

**CONCRETE SEALANT**

**CONCRETE SEALANT**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EPOXY BRIDGE DECK CRACK SEALANT 717.02.02.02	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
DECK SEALANT SAND 717.02.02.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			CERTIFICATION IS THE GRADATION ON THE CONTAINER

**CRACK SEALING**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CRACK SEALANT  403.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	ASTM D6690 JOINT AND CRACK SEALANTS	30 LBS	AS REQUESTED	SAMPLE		TEST	
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BACKER ROD  403.02.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

EXCAVATION

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EMBANKMENT  203.01.00.01	MT 201 SAMPLING	77 LBS	TEST MATERIAL AS NEEDED FOR SOILS CLASSIFICATION AND/OR PROCTOR	SAMPLE	TEST		SECONDARY TEST INTERIM MEASURE UNTIL A PROCTOR CAN BE PERFORMED
	MT 202 SIEVE ANALYSIS						
	AASHTO T 89 LIQUID LIMIT						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						
	AASHTO M 145 SOIL CLASS						
	MT 229 ZERO AIR VOIDS						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	AASHTO T 100 SPECIFIC GRAVITY						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER 2000 YD <sup>3</sup> AND A MINIMUM OF ONE TEST PER LIFT	TEST			
MT 218 RELATIVE COMPACTION AND % MOISTURE							

EXCAVATION

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SPECIAL BORROW  203.01.00.02	MT 201 SAMPLING	77 LBS	EACH SOURCE OF SPECIAL BORROW IS SUBJECT TO APPROVAL PRIOR TO PLACEMENT (ONE BORROW SOURCE PER 65,000 YD <sup>3</sup> ) MINIMUM EIGHT SAMPLES PER BORROW SOURCE 85% OF THE TESTS MUST MEET SOILS CLASSIFICATION OR R-VALUE REQUIREMENT	SAMPLE	TEST		
	MT 202 SIEVE ANALYSIS						
	AASHTO T 89 LIQUID LIMIT						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						
	AASHTO M 145 SOIL CLASS						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	AASHTO T 190 R-VALUE						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER 2000 YD <sup>3</sup> AND A MINIMUM OF ONE TEST PER LIFT	TEST			
	MT 218 RELATIVE COMPACTION AND % MOISTURE						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEMMING AGGREGATE FOR BLASTING  204.02.00.01	MT 201 SAMPLING	30 LBS	ONE TEST PER SOURCE	SAMPLE	TEST		
	MT 202 SIEVE ANALYSIS						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						
	AASHTO T 335 FRACTURE						

EXCAVATION

FENCING

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SNOW FENCE MATERIAL	CERT/ VISUAL INSPECTION	N/A	ONE PER PRODUCT	DATA SHEET			
607.02.01.01	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

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

FENCING

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CHAIN LINK GATE	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET VISUAL			
712.01.08.01	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	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET VISUAL			
712.02.00.01	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	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET VISUAL			
712.02.07.01	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 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	PER MT 404	PER MT 404		PRE-INSPECTION		
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

FENCING



**FENCING**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
METAL GATE	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET VISUAL			
712.02.09.01	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	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS

**GEOTEXTILE**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ROLLED EC BLANKET  SHORT TERM 713.12.00.01  LONG TERM 713.12.00.02  HIGH PERFORMANCE 713.12.00.03	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
TURF REINFORCEMENT MAT  SYNTHETIC FIBER 713.12.00.04  NATURAL FIBER 713.12.00.05	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
GEOCOMPOSITE DRAIN  716.00.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			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
GEOSYNTHETIC CLAY LINER 716.00.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			

**GEOTEXTILE**

**GEOTEXTILE**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOMEMBRANE 716.00.00.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			SUBMIT SAMPLE OF MATERIAL TO GEOTECHNICAL SECTION FOR REVIEW
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SEPARATION GEOTEXTILE  MOD SURV 716.02.00.01  HIGH SURV 716.02.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STABILIZATION GEOTEXTILE  716.03.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

**GEOTEXTILE**

**GEOTEXTILE**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SUBSURFACE DRAIN FILTER - MOD SURV  CLASS A 716.04.00.01  CLASS B 716.04.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
CLASS C 716.04.00.03	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SUBSURFACE DRAIN FILTER - HIGH SURV  CLASS A 716.04.00.04  CLASS B 716.04.00.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
CLASS C 716.04.00.06	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

**GEOTEXTILE**

GEOTEXTILE

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PERMANENT EC - MOD SURV  CLASS A 716.05.00.01  CLASS B 716.05.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
CLASS C 716.05.00.03	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PERMANENT EC - HIGH SURV  CLASS A 716.05.00.04  CLASS B 716.05.00.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
CLASS C 716.05.00.06	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TEMPORARY SILT FENCE 716.06.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			

**GEOTEXTILE**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOGRID 716.07.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			
	DIRECTLY MEASURE OPENING SIZE WITH CALIPERS	3 FT X WIDTH	ONE PER 10,000 SQ YD	SAMPLE		TEST	PER GEOGRID SPECIAL PROVISION
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

**GUARDRAIL**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
METAL BEAM GUARDRAIL	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET VISUAL			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
705.01.01.01	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
BOX BEAM GUARDRAIL	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET VISUAL			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
705.01.01.02	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 GUARDRAIL/ WIRE ROPE	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET VISUAL			
705.01.01.03	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
MISCELLANEOUS GUARDRAIL	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	DATA SHEET			
705.01.01.05	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

**GUARDRAIL**

**GUARDRAIL**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WOOD GUARDRAIL POST/BLOCKOUT  705.01.02.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT OR BATCH	VISUAL			VERIFY SEAL NUMBERS CORRESPOND WITH PRE-INSPECTION RECORDS
	<b>MT 404 INSPECTING WOOD PRODUCTS</b>	PER MT 404	PER MT 404		PRE-INSPECTION		
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	<b>FORM 407</b>			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
NON-WOOD BLOCKOUT  705.01.02.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	<b>FORM 407</b>			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

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



**GUARDRAIL**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
W-BEAM TERMINAL SECTION  606.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	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
BOX BEAM TERMINAL SECTION  606.02.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	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
IMPACT ATTENUATOR  606.02.00.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

**JOINT MATERIAL**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EXPANSION JOINT FILLERS - CORK 707.01.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
JOINT SEALING MATERIAL 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
EXPANSION JOINT SYSTEM  707.01.02.01	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 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
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			

**JOINT MATERIAL**

**JOINT MATERIAL**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EXPANSION JOINT ASPHALT PLUG  707.01.02.04	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
RUBBER GASKET  707.02.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FLEXIBLE JOINT SEALER  707.02.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			

**JOINT MATERIAL**

**LIGHTING, SIGNALS & COMMUNICATION**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ELECTRICAL SUBMITTAL 703.00.00.00	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER PROJECT	DATA SHEET			SEE EXAMPLE ELECTRICAL ITEM CHECKLIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			SEE INDIVIDUAL MATERIALS FOR STEEL REQUIREMENTS

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
PVC CONDUIT	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER SIZE	DATA SHEET			QUALIFIED PRODUCTS LIST VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

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
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

**LIGHTING, SIGNALS & COMMUNICATION**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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	DATA SHEET			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

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 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
LUMINAIRE STANDARD TYPE 10	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

**LIGHTING, SIGNALS & COMMUNICATION**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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
CONDUCTOR	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER LOT	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

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

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	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

**LIGHTING, SIGNALS, AND COMMUNICATION**

**LIGHTING, SIGNALS & COMMUNICATION**

## SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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
PEDESTRIAN SIGNAL INDICATION	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			QUALIFIED PRODUCTS LIST VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
DETECTOR LOOP	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
PEDESTRIAN PUSH BUTTONS	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
LUMINAIRE ASSEMBLY	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
EMERGENCY VEHICLE PREEMPTION	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

**LIGHTING, SIGNALS & COMMUNICATION**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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
MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS 4 TREATED WOOD POLES 703.14.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER CHARGE	VISUAL			VERIFY SEAL NUMBERS CORRESPOND WITH PRE-INSPECTION RECORDS
	MT 404 INSPECTING WOOD PRODUCTS	PER MT 404	PER MT 404		PRE-INSPECTION		
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106



MAINTENANCE

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SALT 8A-R (ROAD SALT)  MT 1.1	CERT/ VISUAL INSPECTION	N/A	ONE PER TRUCK LOAD	DATA SHEET VISUAL			VISUALLY EVALUATE FOR CONTAMINATION
	*PNS METHOD 13 SALT GRADATION	AIR TIGHT CONTAINER (1 GAL SEALABLE BAG)	AS REQUESTED	SAMPLE	TEST		*GRADATION - MUST BE HAND SHAKEN
	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				TESTING OF MOISTURE CONTENT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SALT 8A-B (BRINE SALT)  MT 1.2	CERT/ VISUAL INSPECTION	N/A	ONE PER TRUCK LOAD	DATA SHEET VISUAL			VISUALLY EVALUATE FOR CONTAMINATION
	*PNS METHOD 13 SALT GRADATION	AIR TIGHT CONTAINER (1 GAL SEALABLE BAG)	AS REQUESTED	SAMPLE	TEST		*GRADATION - MUST BE HAND SHAKEN
	MT 526 MOISTURE OF PNS SALT						TESTING OF MOISTURE CONTENT

MAINTENANCE

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SALT 8B (WET SALT)  MT 1.3	CERT/ VISUAL INSPECTION	N/A	ONE PER TRUCK LOAD	DATA SHEET VISUAL			VISUALLY EVALUATE FOR CONTAMINATION
	*PNS METHOD 13 SALT GRADATION	AIR TIGHT CONTAINER (1 GAL SEALABLE BAG)	AS REQUESTED	SAMPLE	TEST		*GRADATION - MUST BE HAND SHAKEN
	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				TESTING OF MOISTURE CONTENT

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SALT BRINE - NaCl  MT 2	MT 501 pH INSOLUBLE MTRL C.R. TOTAL SETTLEABLE SOLIDS PERCENT PASSING #10 SIEVE	1 GALLON (4 LITERS)	ONE SAMPLE FOR EVERY 100,000 GALLONS	SAMPLE		TEST	C.R. = CORROSION RATE
	MT 502 CHEMICAL ANALYSIS						
	MT 504 CYANIDE						

MAINTENANCE

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DE-ICER MgCl <sub>2</sub>  MT 3.1	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 501 pH INSOLUBLE MTRL C.R. TOTAL SETTLEABLE SOLIDS PERCENT PASSING #10 SIEVE					TEST	C.R. = CORROSION RATE
	MT 502 CHEMICAL ANALYSIS						
	MT 504 CYANIDE						

MAINTENANCE

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DE-ICER CaCl <sub>2</sub>  MT 3.2	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 501 pH INSOLUBLE MTRL C.R. TOTAL SETTLEABLE SOLIDS PERCENT PASSING #10 SIEVE					TEST	C.R. = CORROSION RATE
	MT 502 CHEMICAL ANALYSIS						
	MT 504 CYANIDE						

MAINTENANCE

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DE-ICER KCH <sub>3</sub> COO  MT 3.3	CERT/ VISUAL INSPECTION	1 EACH	ONE PER TRUCK LOAD	DATA SHEET			
	MT 408 SAMPLING LIQUID DEICING MATERIAL	1 GALLON	ONE SAMPLE PER CONTRACT AND AS REQUESTED	SAMPLE			
	MT 501 pH INSOLUBLE MTRL C.R. TOTAL SETTLEABLE SOLIDS PERCENT PASSING #10 SIEVE					TEST	C.R. = CORROSION RATE
	MT 502 CHEMICAL ANALYSIS						
	MT 504 CYANIDE						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
3/8" SANDING MATERIAL  MT 4.1	CERT/ VISUAL INSPECTION	1 EACH		DATA SHEET			
	MT 201 SAMPLING	30 LBS	ONE PER 2,000 TONS	SAMPLE			
	MT 202 SIEVE ANALYSIS						
	AASHTO T 19 UNIT WEIGHT				TEST		

**MAINTENANCE**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
5/16" SANDING MATERIAL  MT 4.2	CERT/ VISUAL INSPECTION	1 EACH	ONE PER 2,000 TONS	DATA SHEET			
	MT 201 SAMPLING	30 LBS		SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	AASHTO T 19 UNIT WEIGHT						

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	YEARLY/AS NEEDED	DATA SHEET			
	MT 520 ENGINE OIL ANALYSIS	50 mL		SAMPLE		TEST	

MAINTENANCE

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CORROSION INHIBITOR  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 501 pH INSOLUBLE MTRL C.R. TOTAL SETTLEABLE SOLIDS PERCENT PASSING #10 SIEVE					TEST	C.R. = CORROSION RATE
	MT 502 CHEMICAL ANALYSIS						
	MT 504 CYANIDE						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COLD MIX ASPHALT PATCHING MATERIAL  MT 7	CERT/ VISUAL INSPECTION	1 EACH	ONE PER CONTRACT	DATA SHEET			
	AASHTO T 335 FRACTURE	30 LBS		SAMPLE	TEST		
	MT 322 PERCENT ADHESION					TEST	

MISCELLANEOUS

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DETECTABLE WARNING DEVICES	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
608.02.00.01	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	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
611.02.04.01	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
MAIL BOX	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
623.02.00.01							MAILBOX PACKAGING/DATA SHEET MUST DISPLAY "MADE IN THE USA"
							MAILBOX CLUSTERS ARE NOT REQUIRED TO BE ON THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL TIMBER AND LUMBER	CERT/ VISUAL INSPECTION	N/A	ONE PER PRODUCT	DATA SHEET			
706.01.00.01	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106



MISCELLANEOUS

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BITUMINOUS COATINGS 709.04.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			
STEEL STRUCTURE PAINT 710.01.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			SUBMIT CERT OF COMP WHEN REQUIRED PER SPECIFICATION 710.02  CATTLE GUARDS AND BOLLARDS REQUIRE VISUAL INSPECTION ONLY
POWDER COATING 710.03.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP			
ANTI-GRAFFITI COATING 710.04.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
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  CONSTRUCTION MATERIAL DESIGNATION BASED ON MATERIAL USED PER PROJECT. SEE SCOPE SECTION 3.5.2 FOR DECISION TREE
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

MISCELLANEOUS

MISCELLANEOUS

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WATER FOR CONCRETE	CERT/ VISUAL INSPECTION	N/A	ONE PER SOURCE	VISUAL			
713.01.00.01	AASHTO M 157 READY MIX CONCRETE	1 QT	ONE PER SOURCE			TEST	SAMPLE REQUIRED ONLY IF NON-POTABLE SOURCE

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			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	AASHTO M 303 LIME FOR ASPHALT MIXTURES	5 LBS AIRTIGHT	AS REQUESTED	SAMPLE			PLASTIC SAMPLE CONTAINER REQUIRED (i.e., 1 GAL PLASTIC BUCKET WITH FRICTION TOP LID)
	AASHTO T 218 SAMPLING HYDRATED LIME					TEST	
	AASHTO T 219 CHEMICAL 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
MAGNESIUM CHLORIDE  713.03.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOAD	DATA SHEET			QUALIFIED PRODUCTS LIST
	MT 408 SAMPLING LIQUID DEICING MATERIAL	1 PINT	ONE PER PROJECT				SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	MT 502 CHEMICAL ANALYSIS					SAMPLE TEST	

MISCELLANEOUS

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CALCIUM CHLORIDE  713.03.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOAD	DATA SHEET			QUALIFIED PRODUCTS LIST
	MT 408 SAMPLING LIQUID DEICING MATERIAL	1 PINT	ONE PER PROJECT				SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	MT 502 CHEMICAL ANALYSIS					SAMPLE TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL CEMENT GROUT  713.04.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			CERTIFICATION IS THE MIXTURE AND GRADATION ON THE CONTAINER
	AASHTO R 64 CUBE SPECIMENS USING GROUT/MORTAR	1 CU FT	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
CEMENT GROUT 713.04.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			CERTIFICATION IS THE MIXTURE AND GRADATION ON THE CONTAINER

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MORTAR 713.04.00.03	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
EPOXY RESIN 713.14.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			

MISCELLANEOUS

PAVEMENT MARKINGS

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TEMPORARY PAINT  714.03.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
WATERBORNE PAINT  714.04.00.01	CERT/ VISUAL INSPECTION	1 QT (1 LITER) IN PLASTIC BOTTLE	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
HIGH DURABLE WATERBORNE PAINT  714.05.00.01	CERT/ VISUAL INSPECTION	1 QT (1 LITER) IN PLASTIC BOTTLE	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
EPOXY PAINT  714.06.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	SPEC TABLE 714-4 EPOXY PAINT COMPOSITION	1 QT (1 LITER) OF EACH PIGMENT IN PLASTIC BOTTLES	AS REQUESTED	SAMPLE		TEST	ONE QUART (LITER) SAMPLE OF BOTH PIGMENT (COLOR) AND RESIN (CATALYST) WILL BE TAKEN FROM THE THOROUGHLY MIXED CONTENTS OF A STRIPING MACHINE
PREFORMED PLASTIC  714.07.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER TYPE	DATA SHEET			

PAVEMENT MARKINGS

PAVEMENT MARKINGS

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
REFLECTIVE GLASS BEADS  MT TYPE 1 714.08.00.01	AASHTO T 346 SAMPLING GLASS BEADS	1 QT (1 LITER)	<u>CONSTRUCTION</u> ONE PER PROJECT  <u>MAINTENANCE</u> AS REQUESTED	SAMPLE		TEST	SAMPLE FROM BULK CONTAINER WITH THIEF/PROBE IN ACCORDANCE WITH AASHTO T 346. SAMPLE THIEF/PROBE MAY NOT FILL SAMPLE BOTTLES.  WHEN SAMPLING FROM A BULK CONTAINER IS NOT POSSIBLE, SAMPLES MAY BE COLLECTED FROM THE BEAD GUN ON THE TRUCK.
MT TYPE 2 714.08.00.02	AASHTO R 98 SIZE AND SHAPE OF GLASS BEADS						
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

**PILE**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PILE DRIVING POINT  559.02.03.01	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  559.02.03.02	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  711.10.01.01	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 #. IF RECYCLED MATERIAL, BUY AMERICA CATEGORY 2 REQUIREMENTS APPLY
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			RECYCLED MATERIAL MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

**PILE**

**PILE**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL PIPE PILES	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
711.10.02.01	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

PIPES

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REINFORCED CONCRETE PIPE  708.01.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	CERT OF COMP 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
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	MONTHLY		PRE-INSPECTION		PLANTS NEED TO BE INSPECTED MONTHLY

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REINFORCED CONCRETE BOX  708.01.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	CERT OF COMP 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
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	MONTHLY		PRE-INSPECTION		PLANTS NEED TO BE INSPECTED MONTHLY



PIPES

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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	CERT OF COMP 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 QPL FACILITIES ONLY	PRODUCTS PRODUCED AT NON-CERTIFIED PLANTS ACCEPTED PER SPECIFICATION 554.03
MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLASTIC PIPE 708.05 708.06 708.07 708.08	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET			
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106
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 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

PIPES

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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 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
CORRUGATED STEEL PIPE  709.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	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 STRUCTURAL PLATE PIPE  709.03.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	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
PRECOATED CORRUGATED STEEL PIPE  709.05.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

PIPES

PIPES

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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			
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

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 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
COPPER PIPE 709.10.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	DATA SHEET VISUAL			
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

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

PIPES

**PLANT MIX PAVEMENT**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WARM MIX ADDITIVE  401.02.04.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	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
ANTI-STRIPPING ADDITIVE  401.02.05.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

**PLANT MIX PAVEMENT**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SURFACING  GRADE S (3/4") 401.03.00.01  GRADE S (1/2") 401.03.00.02  GRADE S (3/8") 401.03.00.03	MT 303 SAMPLING BITUMINOUS PAVING MIXTURES	SUFFICIENT QUANTITY IN 2-10 QUART GALVANIZED BUCKETS	ONE EVERY 1000 TONS OF PLANT MIX PAVEMENT  <b>COMMERCIAL MIXES</b> ONE EVERY 2000 TONS OF PLANT MIX PAVEMENT WITH A MINIMUM OF ONE SAMPLE FOR PROJECTS OVER 500 TONS (NO TESTS ARE REQUIRED FOR PROJECTS UNDER 500 TONS)		SAMPLE TEST		
	AASHTO R 47 REDUCING SAMPLES						
	AASHTO T 329 MOISTURE CONTENT		MINIMUM ONE PER DAY				
	AASHTO T 166 BULK SPECIFIC GRAVITY						
	MT 319 BINDER CONTENT BY IGNITION METHOD		ONE EVERY 1000 TONS OF PLANT MIX PAVEMENT  <b>COMMERCIAL MIXES</b> ONE EVERY 2000 TONS OF PLANT MIX PAVEMENT WITH A MINIMUM OF ONE SAMPLE FOR PROJECTS OVER 500 TONS (NO TESTS ARE REQUIRED FOR PROJECTS UNDER 500 TONS)				
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS		TEST				
	MT 321 RICE SPECIFIC GRAVITY						
	MT 332 GYRATORY COMPACTION						
	MT 334 HAMBURG WHEEL- TRACK	45 LBS	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 DISCRETION
	MT 335 LINEAR KNEADING COMPACTION						
DENSITY BY CORE	2 - 4" CORES	ONE EVERY 600 TONS PMP	SAMPLE	TEST		SPECIAL PROVISION SECTION 401.03.21	
MT 602 FINAL RECORD	2 CORES	PER TWO LANE ROADWAY TAKEN AT 1/2 MILE INTERVALS IN ALTERNATING LANES		SAMPLE TEST			

**PLANT MIX PAVEMENT**

**PLANT MIX PAVEMENT**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	Mix Design			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SURFACING  GRADE S (3/4") 401.03.00.01  GRADE S (1/2") 401.03.00.02  GRADE S (3/8") 401.03.00.03	MT 201 SAMPLING	800 LBS	ONE PER PLANT MIX DESIGN VERIFICATION		SAMPLE	TEST	
	MT 202 SIEVE ANALYSIS						
	AASHTO T 96 L.A. ABRASION						
	AASHTO T 176 SAND EQUIVALENT						PRIMARY
	AASHTO T 335 FRACTURE						
	AASHTO T 304 FINE AGGREGATE ANGULARITY						
	ASTM D4791 FLAT & ELONGATED PARTICLES						
	AASHTO T 84 SPECIFIC GRAVITY FINE AGG						
	AASHTO T 85 SPECIFIC GRAVITY COARSE AGG						
	AASHTO R 47 REDUCING SAMPLES						
	AASHTO T 166 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						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS						USED FOR PLANT MIX DESIGNS CONTAINING RAP

**PLANT MIX PAVEMENT**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SEAL COURSE  401.03.00.04	AASHTO T 335 FRACTURE	20 LBS	ONE EVERY 600 TONS PMSC		SAMPLE TEST		
	MT 303 SAMPLING BITUMINOUS PAVING MIXTURES						
	AASHTO R 47 REDUCING SAMPLES						
	MT 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS			TEST			

**PLANT MIX PAVEMENT**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	Mix Design			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
PLANT MIX SEAL COURSE  401.03.00.04	MT 201 SAMPLING	800 LBS	ONE PER PLANT MIX SEAL COURSE MIX DESIGN		SAMPLE	TEST		
	MT 202 SIEVE ANALYSIS							
	AASHTO T 84 SPECIFIC GRAVITY FINE AGG							
	AASHTO T 85 SPECIFIC GRAVITY COARSE AGG							
	AASHTO T 89 LIQUID LIMIT							
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX							
	AASHTO T 96 LOS ANGELES ABRASION							
	AASHTO T 176 SAND EQUIVALENT TEST							
	AASHTO T 335 FRACTURE							
	AASHTO T 304 FINE AGGREGATE ANGULARITY							
	ASTM D4791 FLAT & ELONGATED PARTICLES							
	ASTM D6390 DRAIN DOWN							
	MT 332 GYRATORY COMPACTION							VERIFY



**PLANT MIX PAVEMENT**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COLD RECYCLING ASPHALT EMULSION 702.01.08.02	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
COLD RECYCLED PLANT MIX  405.03.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER PROJECT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	AASHTO T 329 MOISTURE CONTENT	MINIMUM 2.2 LB MOISTURE PROOF CONTAINER	ONE EVERY 3000 FT PAVER PATH	SAMPLE	TEST		
	<b>Mix Design</b>			<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	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
HOT IN-PLACE RECYLCED PLANT MIX  405.03.00.02	CERT/ VISUAL INSPECTION	N/A	ONE PER PROJECT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	<b>MT 303 SAMPLING BITUMINOUS PAVING MIXTURES</b>	SUFFICIENT QUANTITY IN 2-10 QUART GALVANIZED BUCKETS	PER SPECIAL PROVISION	SAMPLE	TEST		
	<b>Mix Design</b>			<b>FIELD</b>	<b>DISTRICT/ AREA LAB</b>	<b>MDT HQ LAB</b>	<b>NOTES</b>
	CERT/ VISUAL INSPECTION	1 EACH	ONE PER HOT IN-PLACE RECYCLED PLANT MIX DESIGN	MIX DESIGN		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN

**PLANT MIX PAVEMENT**

**PLANT MIX PAVEMENT**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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	
PRECONSTRUCTION SOIL CHEMISTRY PC 5	MT 232 SOILS CORROSION	5 LB	ONE PER LOCATION		SAMPLE	TEST	
HOT IN PLACE RECYCLE CORES PC 6	MT 331 SAMPLING & EVALUATING STRIPPING PAVEMENTS	1 EACH	SEE MT 331		SAMPLE	TEST	

REVEGETATION

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANTS - TREES & SHRUBS 610.01.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	DATA SHEET VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
TOPSOIL 713.05.00.01	MT 412 TOP SOIL	2 LBS	ONE TEST PER SOURCE	SAMPLE		TEST	TESTING REQUIRED ON IMPORTED TOPSOIL ONLY
LANDSCAPE GRADE TOPSOIL 713.05.00.02	MT 412 TOP SOIL	2 LBS	ONE TEST PER SOURCE	SAMPLE		TEST	TESTING REQUIRED ON IMPORTED TOPSOIL ONLY
WEED CONTROL MAT 713.06.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
RECLAMATION SEED 713.08.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER BLEND	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
LANDSCAPING SEED 713.08.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER BLEND	DATA SHEET			
FERTILIZER 713.09.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER BLEND	DATA SHEET			

REVEGETATION

**REVEGETATION**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MULCH  713.10.00.01	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
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  713.13.00.01	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 COMPOST THAT CONTAINS STRAW

**REVEGETATION**

**SIGNING**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ALUMINUM SIGN SHEETING 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	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
704.01.04.01	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	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET VISUAL			
704.01.04.02	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	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
704.01.04.03	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
TREATED WOOD POSTS & POLES	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT/BATCH	VISUAL			VERIFY SEAL NUMBERS CORRESPOND WITH PRE-INSPECTION RECORDS
704.01.06.01	MT 404 INSPECTING WOOD PRODUCTS	PER MT 404	PER MT 404			PRE-INSPECTION	
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

**SIGNING**

**SIGNING**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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
SURFACE MOUNT 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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
OVERHEAD STRUCTURES 704.08.01.01	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 #

**SIGNING**

STEEL

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL RAILING	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	DATA SHEET			
711.00.00.01	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
ROCK/SOIL ANCHOR	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	DATA SHEET			
711.01.00.01	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09 [DOES NOT APPLY TO BIT]

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
GRADE 60 711.01.01.02	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
GRADE 75 711.01.01.03							

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SMOOTH DOWEL BAR GRADE 40	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
711.01.01.04	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	CERT OF COMP			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

STEEL

STEEL

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REINFORCING WIRE, WIRE MESH	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
711.01.03.01	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-CORROSION RESISTANT-CR- GR100	CERT/ VISUAL INSPECTION	N/A	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
711.01.04.01	MT 414 REINFORCING STEEL	2 - 3 FT SECTIONS	ONE TEST PER BAR SIZE	SAMPLE		TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REBAR-CORROSION RESISTANT-SS-GR60	CERT/ VISUAL INSPECTION	N/A	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
711.01.04.02	MT 414 REINFORCING STEEL	2 - 3 FT SECTIONS	ONE TEST PER BAR SIZE	SAMPLE		TEST	



STEEL

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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  IF PRE-INSPECTED, SEE MATERIAL CODE 711.02.00.02

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PREFABRICATED PRE-INSPECTED STRUCTURAL STEEL MEMBERS  711.02.00.02	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 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	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, DETAILED DWGS, STANDARD SPECS, FORMS

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	MT 407 HIGH STRENGTH BOLTS	3 BOLT ASSEMBLIES	ONE TEST PER GRADE, DIAMETER, LENGTH, AND LOT	SAMPLE		TEST	APPLICABLE FOR STANDARD HEX BOLTS
	ASTM F3125	3 BOLT ASSEMBLIES	ONE TEST PER GRADE, DIAMETER, LENGTH, AND LOT	SAMPLE		TEST	APPLICABLE FOR TENSION CONTROL BOLTS
	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

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 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 409 WELDED STUD SHEAR CONNECTORS	1 EACH	ONE PER ITEM			PRE-INSPECTION	

STEEL

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	ASTM A416 SEVEN WIRE STRAND	8 FT	ONE TEST PER LOT	SAMPLE		TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MISCELLANEOUS IRON CASTINGS  711.12.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	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
CAST IRON INLET FRAME & GRATES  711.12.03.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	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 ANCHOR BOLTS  711.13.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	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
MECHANICAL REBAR CONNECTORS 711.18.00.01	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

STEEL

STEEL

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HIGH STRENGTH WIRE ROCKFALL MESH  711.21.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	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
GABION BASKETS  711.21.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

**STREAM PRESERVATION**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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	DATA SHEET			PRODUCT THAT CONTAINS STRAW MUST INDICATE NOXIOUS WEED SEED FREE (SPECIFICATION 208.03.5)
TEMPORARY SEED 208.02.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT
STREAM PRESERVATION MATERIALS 208.02.00.03	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
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			

## BUILDING MATERIALS

## STRUCTURE MATERIAL

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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	VISUAL			CONSTRUCTION MATERIAL DESIGNATION BASED ON MATERIAL USED PER PROJECT. SEE SCOPE SECTION 3.5.2 FOR DECISION TREE
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106
GLUE LAMINATED BEAMS BM.699.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER BEAM	DATA SHEET			
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106
INSULATION BM.699.01.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
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

## BUILDING MATERIALS

## BUILDING MATERIALS

## STRUCTURE MATERIAL

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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 (NON PRECAST) BM.699.01.06	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			CONSTRUCTION MATERIAL DESIGNATION BASED ON MATERIAL USED PER PROJECT. SEE SCOPE SECTION 3.5.2 FOR DECISION TREE
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

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			
	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, DETAILED DWGS, STANDARD SPECS, FORMS

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			
MASONARY/ THROUGH WALL FLASHING BM.699.01.10	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	VISUAL			CONSTRUCTION MATERIAL DESIGNATION BASED ON MATERIAL USED PER PROJECT. SEE SCOPE SECTION 3.5.2 FOR DECISION TREE
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106
PRE-PACKAGED MORTAR BM.699.01.11	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT, PER TYPE	DATA SHEET			
MASONRY SIDING BM.699.01.14	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT, PER TYPE	DATA SHEET			



## BUILDING MATERIALS

## STRUCTURE MATERIAL

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
INTERIOR/ EXTERIOR GLASS AND GLAZING	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			CONSTRUCTION MATERIAL DESIGNATION BASED ON MATERIAL USED PER PROJECT. SEE SCOPE SECTION 3.5.2 FOR DECISION TREE
BM.699.01.15	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

## ELECTRICAL/MECHANICAL

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ELECTRICAL	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
BM.699.02.01							

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HVAC SYSTEM	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH COMPONENT, PER TYPE, PER PROJECT	DATA SHEET			CONSTRUCTION MATERIAL DESIGNATION BASED ON MATERIAL USED PER PROJECT. SEE SCOPE SECTION 3.5.2 FOR DECISION TREE
BM.699.02.02	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

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	VISUAL			

## BUILDING MATERIALS

**BUILDING MATERIALS**

**ELECTRICAL/MECHANICAL**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PROPANE TANK  BM.699.02.04	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

**PLUMBING**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
IRRIGATION SYSTEM BM.699.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			CONSTRUCTION MATERIAL DESIGNATION BASED ON MATERIAL USED PER PROJECT. SEE SCOPE SECTION 3.5.2 FOR DECISION TREE
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLUMBING BM.699.03.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			CONSTRUCTION MATERIAL DESIGNATION BASED ON MATERIAL USED PER PROJECT. SEE SCOPE SECTION 3.5.2 FOR DECISION TREE
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

**BUILDING MATERIALS**

**PLUMBING**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WASTE WATER TREATMENT SYSTEM BM.699.03.03	CERT/ VISUAL INSPECTION	1 EACH		DATA SHEET			CONSTRUCTION MATERIAL DESIGNATION BASED ON MATERIAL USED PER PROJECT. SEE SCOPE SECTION 3.5.2 FOR DECISION TREE
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WASTE WATER UTILITY PIPE & APPURTENANCE BM.699.03.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			CONSTRUCTION MATERIAL DESIGNATION BASED ON MATERIAL USED PER PROJECT. SEE SCOPE SECTION 3.5.2 FOR DECISION TREE
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

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			CONSTRUCTION MATERIAL DESIGNATION BASED ON MATERIAL USED PER PROJECT. SEE SCOPE SECTION 3.5.2 FOR DECISION TREE
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

## BUILDING MATERIALS

**PLUMBING**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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			CONSTRUCTION MATERIAL DESIGNATION BASED ON MATERIAL USED PER PROJECT. SEE SCOPE SECTION 3.5.2 FOR DECISION TREE
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

**ACCESSORIES**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BENCHES (NON PRECAST) BM.699.04.01	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
PICNIC TABLES (NON PRECAST) BM.699.04.02	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
TRASH RECEPTACLES (NON PRECAST) BM.699.04.03	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
FIRE EXTINGUISHERS & CABINETS BM.699.04.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

**BUILDING MATERIALS**

## BUILDING MATERIALS

## ACCESSORIES

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FLAG POLES (ALUMINUM) BM.699.04.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
	BABA CONSTRUCTION MATERIAL	1 EACH	ONE PER FORM 407	FORM 407			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIAL PROVISION 106

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	VISUAL			

## DOOR/DISPLAY

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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	VISUAL			

## BUILDING MATERIALS

## BUILDING MATERIALS

**DOOR/DISPLAY**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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			

**SCALE SITE SPECIFIC**

SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SCALE PIT STRUCTURAL ITEMS BM.699.06.01	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
SCALE ELECTRONICS, TRANSDUCERS, AND DISPLAYS BM.699.06.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			