METHODS OF SAMPLING AND TESTING
MT 601-22
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 Provision, Standard Specifications, and Detailed Drawings. MT 601 Table contains:

- Name of the material.
- The material code - corresponds to the material code in AASHTOWare.
- 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.
- Buy America (Steel Certification): Utilized when a material is made from steel or iron and must meet Buy America requirements as outlined in Standard Specification 106.09. MT 601 Table identified whether a steel material is Category 1 or Category 2.
- 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 Buy America

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.

Material requirements for Buy America are identified on the Materials Index table and are highlighted in gray within the MT 601 table. Tests labeled as Steel Cert Category 1 and 2 are linked to MDT's Form 406 - Contractors Certificate of Compliance for Miscellaneous Steel and Iron Items.

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
QPL - Accepted only from the Qualified Products List

			Material Code	Aggregate (AGGR)	Page
			301.00.00.00	Aggregate - Special Provision	13
			701.01	Concrete Aggregate - During Production	13
			701.01.01.01	Fine Concrete Aggregate	13
			701.01.01.02	Controlled Low Strength Material Aggregate	14
			701.01.02.01	Coarse Concrete Aggregate No. 2	14
			701.01.02.02	Coarse Concrete Aggregate No. 4	14
			701.01.03.01	Combined Concrete Aggregate	14
			701.04.01.01	Bedding Material	14
			701.04.02.01	Foundation Material	15
			701.04.03.01	Granular Bedding Material	15
			701.05.00.01	Filter Material Number 1	15
			701.05.00.02	Filter Material Number 2	15
			701.06.02.01	Riprap Class 1	16
			701.06.02.02	Riprap Class 2	16
			701.06.02.03	Riprap Class 3	16
			701.07.00.01	Bank Protection Type 1	16
			701.07.00.02	Bank Protection Type 2	16
			701.07.00.03	Bank Protection Type 3	16
			701.07.00.04	Bank Protection Type 4	16
			701.09.00.01	Wall Backfill	17
			701.10.00.01	Drain Aggregate	18
C			701.11.00.01	Glass Cullet	18
			701.13.00.01	Bridge End Backfill Type 1	18
			701.13.00.02	Bridge End Backfill Type 2	19
			701.13.00.03	Bridge End Backfill Type 3	19
			PC 1	Proposed Surfacing (Gravel Pit)	20
			PC 2	Soils for Soil Survey	21
			Material Code	**Aggregate Surfacing (AGGS)**	**Page**
			301.03.06.01	Shoulder Gravel	22
			302.03.01.01	Pulverize/Milled Bituminous Pavement	22
			563.02.02.00	Polymer Overlay Aggregate	22
			701.02.04.01	Crushed Base Coarse Grade 5A	23
			701.02.04.02	Crushed Base Coarse Grade 6A	23
			701.02.04.03	Crushed Base Coarse Grade 7A	23
			701.02.06.01	Crushed Top Surfacing Grade 2A	24
			701.02.07.01	Crushed Top Surfacing Grade 3B	25
			701.02.08.01	Crushed Cover Aggregate Type 1	26
			701.02.08.02	Crushed Cover Aggregate Type 2	26
			701.02.08.03	Crushed Cover Aggregate Type 3	26
			701.02.09.01	Cement Treated Base	27
			701.03.00.01	Microsurfacing Aggregate Type 2	28
			701.03.00.02	Microsurfacing Aggregate Type 3	28
			Material Code	**Bearing Devices (BEAR)**	**Page**
D	BAC2	QPL	711.14.00.01	Elastomeric Bearing Devices	29
D			711.20.00.01	Polytetrafluoroethylene (PTFE)	29
			Material Code	**Bituminous (BITM)**	**Page**
C			702.01.01.01	Performance Graded Asphalt Binder 58-28	30
C			702.01.01.02	Performance Graded Asphalt Binder 64-22	30
C			702.01.01.03	Performance Graded Asphalt Binder 64-28	30
C			702.01.01.04	Performance Graded Asphalt Binder 70-28	30
C			702.01.01.06	Performance Graded Asphalt Binder (MSCR) 58H-34	30
C			702.01.02.01	SS-1h, Anionic Slow Set Emulsion	31
C			702.01.02.02	SS-1, Anionic Slow Set Emulsion	31

MATERIAL INDEX

C			702.01.03.01	CSS-1h, Cationic Slow Set Emulsion	32
C			702.01.03.02	CSS-1, Cationic Slow Set Emulsion	32
C			702.01.05.01	HF-100, High Float Emulsion	33
C			702.01.05.02	HF-300, High Float Emulsion	33
C			702.01.05.03	CHFRS-2p, Polymer Mod. Cat. High Float Rapid Set Emulsion	33
C			702.01.06.01	CRS-2, Cationic Rapid Setting Emulsion	34
C			702.01.06.02	CRS-2p, Polymer Mod. Cat. Rapid Set Emulsion	34
C			702.01.07.01	CQS-1h, Cationic Quick Setting Emulsion	35
C			702.01.07.02	CQS-1p, Polymer Mod. Cat. Quick Set Emulsion	35
C			702.01.07.03	CQS-1hp, Polymer Mod. Cat. Quick Set Emulsion	36
C			702.01.08.01	Polymer Modified Rejuvenating Emulsion	36
			Material Code	**Bituminous Prime and Tack Coat (BPTC)**	**Page**
			701.14.00.00	Blotter Material	37
			Material Code	**Concrete and Structures (CONC)**	**Page**
D			551.02.00.01	Concrete Colorant	38
D		QPL	551.02.01.01	Portland Cement	38
D		QPL	551.02.01.02	Blended Cement	38
D		QPL	551.02.01.03	Rapid Hardening Hydraulic Cement	38
D		QPL	551.02.02.01	Fly Ash	38
D		QPL	551.02.03.01	Ground Granulated Blast Furnace Slag (GGBFS)	38
D		QPL	551.02.04.01	Microsilica/Silica Fume	39
D		QPL	551.02.05.01	Concrete Admixture	39
D		QPL	551.02.07.01	Blended Supplementary Cementitious Material	39
			551.03.02.02	Class General Concrete	40
			551.03.02.99	Concrete - Unclassified	40
			551.03.02.03	Class Pave Concrete	41
			551.03.02.05	Class SCC Concrete	42
			551.03.02.06	Class Deck Concrete	43
			551.03.02.07	Class Overlay-SF Concrete	44
D			551.03.02.08	Class Overlay-LM Concrete	45
			551.03.02.09	Class Structure Concrete	46
			551.03.02.10	Class Drilled Shaft Concrete	47
C			551.03.02.11	Controlled Low Strength Material-Excav	48
C			551.03.02.12	Controlled Low Strength Material-Non-Excav	48
D			551.03.02.13	Pre-Packaged Concrete	48
D			551.03.02.14	Lean Concrete	48
			551.03.02.15	Shotcrete	49
			551.03.02.16	Class Joint Concrete	50
			551.03.02.17	Class Structure - Low Slump Concrete	51
			551.03.02.18	Class Ultra High Performance Concrete	52
			551.03.02.19	Class Low Density Cellular Concrete	52
D			552.02.00.01	Epoxy Grout	53
C	BAC2		553.01.00.01	Prestressed Beam	53
C	BAC2		554.01.00.01	Precast Concrete Products	53
	BAC2		554.01.00.02	Cattle Guard Bases	54
D			554.01.00.03	CMU/SRW Blocks	54
D			563.02.00.01	Waterproof Membrane	54
D			563.02.00.02	Polymer Resin	54
D			713.14.00.01	Epoxy Adhesive	54
			Material Code	**Concrete Sealant (CONS)**	**Page**
D		QPL	717.01.03.01	Liquid Membrane-Forming Concrete Curing Compound	55
D		QPL	717.01.04.01	Concrete Cure and Seal Compounds	55
D		QPL	717.02.01.01	Silane Sealer	55
D		QPL	717.02.02.01	High Molecular Weight Methacrylate (HMWM)	55
D		QPL	717.02.02.02	Epoxy Bridge Deck Crack Sealant	56
D			717.02.02.03	Deck Sealant Sand	56
			Material Code	**Crack Sealing (CRKS)**	**Page**
D		QPL	403.02.00.01	Crack Sealant	57
D		QPL	403.02.00.02	Backer Rod	57

MATERIAL INDEX

			Material Code	Excavation (EXC)	Page
			203.01.00.01	Embankment	58
			203.01.00.02	Special Borrow	59
			204.02.00.01	Stemming Aggregate for Blasting	59
			Material Code	**Fencing (FNC)**	**Page**
			607.02.01.01	Snow Fence Material	60
D	**BAC2**		712.01.02.01	Chain Link Fabric	60
D	**BAC2**		712.01.03.01	Chain Link Steel Post	60
D	**BAC2**		712.01.08.01	Chain Link Gate	60
D	**BAC2**		712.02.00.01	Fence Wire	61
D	**BAC2**		712.02.07.01	Steel Fence Post	61
			712.02.08.01	Wood Fence Post/Brace Rail	61
D	**BAC2**		712.02.09.01	Metal Gate	62
D			712.02.12.01	Deadman/Anchor	62
			Material Code	**Geotextile (GEOT)**	**Page**
D		**QPL**	713.12.00.01	Short Term Rolled Erosion Control Blanket	63
D		**QPL**	713.12.00.02	Long Term Rolled Erosion Control Blanket	63
D		**QPL**	713.12.00.03	High Performance Rolled Erosion Control Blanket	63
D		**QPL**	713.12.00.04	Turf Reinforcement Mat - Synthetic Fiber	63
D		**QPL**	713.12.00.05	Turf Reinforcement Mat - Natural Fiber	63
D			716.00.00.01	Geocomposite Drain	63
D			716.00.00.02	Geosynthetic Clay Liner	63
D			716.00.00.03	Geomembrane	64
D		**QPL**	716.02.00.01	Separation Geotextile - Moderate Survivability	64
D		**QPL**	716.02.00.02	Separation Geotextile - High Survivability	64
D		**QPL**	716.03.00.01	Stabilization Geotextile	64
D		**QPL**	716.04.00.01	Subsurface Drain Filter-Class A-Moderate Survivability	64
D		**QPL**	716.04.00.02	Subsurface Drain Filter-Class B-Moderate Survivability	64
D		**QPL**	716.04.00.03	Subsurface Drain Filter-Class C-Moderate Survivability	64
D		**QPL**	716.04.00.04	Subsurface Drain Filter-Class A-High Survivability	65
D		**QPL**	716.04.00.05	Subsurface Drain Filter-Class B-High Survivability	65
D		**QPL**	716.04.00.06	Subsurface Drain Filter-Class C-High Survivability	65
D		**QPL**	716.05.00.01	Permanent Erosion Control-Class-A Mod Survivability	65
D		**QPL**	716.05.00.02	Permanent Erosion Control-Class-B Mod Survivability	65
D		**QPL**	716.05.00.03	Permanent Erosion Control-Class-C Mod Survivability	65
D		**QPL**	716.05.00.04	Permanent Erosion Control-Class-A High Survivability	66
D		**QPL**	716.05.00.05	Permanent Erosion Control-Class-B High Survivability	66
D		**QPL**	716.05.00.06	Permanent Erosion Control-Class-C High Survivability	66
D			716.06.00.01	Temporary Silt Fence	66
D			716.07.00.01	Geogrid	66
			Material Code	**Guardrail (GRD)**	**Page**
D	**BAC1**		705.01.01.01	Metal Beam Guardrail	67
D	**BAC1**		705.01.01.02	Box Beam Guardrail	67
D	**BAC2**		705.01.01.03	Cable Guardrail/Wire Rope	67
D	**BAC2**		705.01.01.05	Miscellaneous Guardrail	67
			705.01.02.01	Wood Guardrail Post/Blockout	68
C			705.01.02.02	Non-Wood Blockout	68
C	**BAC2**		705.01.05.01	Steel Guardrail Post	68
D	**BAC2**	**QPL**	606.02.00.01	W-Beam Terminal Section	68
D	**BAC2**		606.02.00.02	Box Beam Terminal Section	69
D	**BAC2**		606.02.00.03	Impact Attenuator	69
			Material Code	**Joint Material (JNT)**	**Page**
D		**QPL**	707.01.00.01	Expansion Joint Fillers - Cork	70
D		**QPL**	707.01.01.01	Joint Sealing Material	70
C/D	**BAC2**		707.01.02.01	Expansion Joint System	70
D			707.01.02.02	Silicone Joint Seal	70
D			707.01.02.03	Fabric Reinforced Neoprene Joint Seal	70
D			707.01.02.04	Expansion Joint Asphalt Plug	71
D			707.01.03.01	Preformed Expansion Joint Filler	71

MATERIAL INDEX

D			707.02.01.01	Rubber Gasket	71
D			707.02.02.01	Flexible Joint Sealer	71
			Material Code	**Lighting, Signals & Communication (LSM)**	**Page**
D	BAC2		703.00.00.00	Electrical Submittal	72
D				Variable Message Sign	72
D				Antenna	72
D				PVC Conduit	72
D				HDPE Conduit	72
D	BAC2			Steel Conduit	72
D	BAC2			Pull Boxes	73
D	BAC2			Signal Standards Type 2/3	73
D	BAC2			Luminaire Standard Type 10	73
D	BAC2			Signal Standards Type 1	73
D				Conductor	74
D				Cable	74
D				Service & Control Assembly	74
D				Traffic Signal Cabinet	74
D				Traffic Signal Indication	74
D				LED Traffic Signal	74
D				Pedestrian Signal Indication	74
D				Detector Loop	75
D				Pedestrian Push Buttons	75
D				Luminaire Assembly	75
D				Emergency Vehicle Preemption	75
D				Guys & Anchors	75
			703.14.00.01	Class 4 Treated Wood Poles	75
			Material Code	**Maintenance (MAIN)**	**Page**
D			MT 1.1	Salt 8A-R (Road Salt)	76
D			MT 1.2	Salt 8A-B (Brine Salt)	76
D			MT 1.3	Salt 8B (Wet Salt)	77
			MT 2	Salt Brine - NaCl	77
D			MT 3.1	De-Icer - $MgCl_2$	78
D			MT 3.2	De-Icer - $CaCl_2$	79
D			MT 3.3	De-Icer - KCH_3COO	80
D			MT 4.1	3/8" Sanding Material	80
D			MT 4.2	5/16" Sanding Material	81
D			MT 5	Engine Oil Analysis	81
D			MT 6	Corrosion Inhibitor	82
D			MT 7	Cold Mix Asphalt Patching Material	82
			Material Code	**Miscellaneous (MISC)**	**Page**
D	BAC2	QPL	608.02.00.01	Detectable Warning Devices	83
C	BAC2		611.02.04.01	Cattle Guard Grate	83
D		QPL	623.02.00.01	Mail Box	83
			706.01.00.01	Structural Timber and Lumber	83
D			709.04.00.01	Bituminous Coatings	84
D			710.01.00.01	Steel Structure Paint	84
C			710.03.00.01	Powder Coating	84
D		QPL	710.04.00.01	Anti-Graffiti Coating	84
C/D			713.00.00.00	Miscellaneous Material Accepted on Cert	84
			713.01.00.01	Water for Concrete	84
D			713.02.00.01	Hydrated Lime	85
D			713.03.00.01	Magnesium Chloride	85
D			713.03.00.02	Calcium Chloride	85
D			713.04.00.01	Structural Cement Grout	86
D			713.04.00.02	Cement Grout	86
D			713.04.00.03	Mortar	86
D			713.14.00.02	Epoxy Resin	86

MATERIAL INDEX

			Material Code	Pavement Markings (PMM)	Page
D		QPL	714.03.00.01	Temporary Waterborne Paint	87
D		QPL	714.04.00.01	Waterborne Paint	87
D		QPL	714.05.00.01	High Durability Waterborne Paint	87
D		QPL	714.06.00.01	Epoxy Paint	87
D			714.07.00.01	Preformed Plastic Pavement Marking	87
D		QPL	714.08.00.01	Reflective Glass Beads - Type 1	88
D		QPL	714.08.00.02	Reflective Glass Beads - Type 2	8
			Material Code	Pile (PILE)	Page
C	BAC2		559.02.03.01	Pile Driving Point	89
C	BAC2		559.02.03.02	Pile Cutting Shoe	89
C	BAC1		711.10.01.01	Structural Steel Piles	89
C	BAC1		711.10.02.01	Steel Pipe Piles	90
			Material Code	Pipes (PIPE)	Page
C	BAC2	QPL	708.01.00.01	Reinforced Concrete Pipe	91
C	BAC2	QPL	708.01.00.02	Reinforced Concrete Box	91
C	BAC2		708.02.00.01	Concrete Pressure Pipe	92
D			708.05	Plastic Pipe	92
D			708.06	Plastic Pipe	92
D			708.07	Plastic Pipe	92
D			708.08	Plastic Pipe	92
D	BAC2		709.01.01.01	Ductile Iron Water Pipe	92
C/D	BAC2		709.01.02.01	Steel Water Pipe	93
D	BAC2		709.02.00.01	Corrugated Steel Pipe	93
D	BAC2		709.03.00.01	Steel Structural Plate Pipe	93
D	BAC2		709.05.00.02	Precoated Corrugated Steel Pipe	93
D			709.07.00.01	Corr Aluminum Pipe	94
C/D	BAC2		709.09.00.01	Seamless Steel Pipe	94
D			709.10.00.01	Copper Pipe	94
			PC 3	Soil/Water for Pipe Corrosion	94
			Material Code	Plant Mix Pavement (PMP)	Page
D		QPL	401.02.04.01	Warm Mix Additives	95
D			401.02.05.01	Anti-Stripping Additive	95
			401.03.00.01	Plant Mix Surfacing Grade S - 3/4"	96
			401.03.00.02	Plant Mix Surfacing Grade S - 1/2"	96
			401.03.00.03	Plant Mix Surfacing Grade S - 3/8"	96
			401.03.00.04	Plant Mix Seal Course	98
C			702.01.08.02	Cold Recycling Asphalt Emulsion	99
			405.03.00.01	Cold Recycled Plant Mix	99
			405.03.00.02	Hot In-Place Recycled Plant Mix	99
			PC 4	Cores for Stripping Analysis	101
			PC 5	Preconstruction Soil Chemistry	101
			PC 6	Hot In Place Recycled Cores	101
			Material Code	Revegetation	Page
D			610.01.00.01	Plants - Trees & Shrubs	102
			713.05.00.01	Topsoil	102
			713.05.00.02	Landscape Grade Topsoil	102
D		QPL	713.06.00.01	Weed Control Mat	102
D		QPL	713.08.00.01	Reclamation Seed	102
D			713.08.00.02	Landscaping Seed	102
D			713.09.00.01	Fertilizer	102
C/D		QPL	713.10.00.01	Mulch	103
D			713.11.00.01	Sod	103
C/D		QPL	713.13.00.01	Compost	103
			Material Code	Signing (SIGN)	Page
D			704.01.01.01	Aluminum Sign Sheeting	104
D	BAC2		704.01.04.01	Steel Sign Posts	104
D	BAC2		704.01.04.02	Structural Steel Sign Posts	104
D	BAC2	QPL	704.01.04.03	Breakaway Devices	104

MATERIAL INDEX

			704.01.06.01	Treated Wood Posts & Poles	104
D			704.01.10.01	Retro-Reflective Sheeting	105
D		QPL	704.03.00.01	Surface Mount Flexible Delineators	105
D	BAC2	QPL	704.03.00.02	Drivable Flexible Delineators	105
	BAC1		704.08.01.01	Overhead Structures	105
			Material Code	**Steel (STL)**	**Page**
D	BAC2		711.00.00.01	Steel Railing	106
D	BAC2		711.01.00.01	Rock/Soil Anchor	106
D	BAC2	QPL	711.01.01.01	Rebar Grade 40	106
D	BAC2	QPL	711.01.01.02	Rebar Grade 60	106
D	BAC2	QPL	711.01.01.03	Rebar Grade 75	106
D	BAC2	QPL	711.01.01.04	Smooth Dowel Bar Grade 40	106
D		QPL	711.01.02.01	Rebar Epoxy Coating	106
D	BAC2	QPL	711.01.03.01	Reinforcing Wire, Wire Mesh	107
D	BAC2		711.01.04.01	Rebar - Corrosion Resistant - Cr - Gr100	107
D	BAC2		711.01.04.02	Rebar - Corrosion Resistant - SS - Gr 60	107
C/D	BAC1		711.02.00.01	Structural Steel	108
C/D	BAC2		711.02.00.02	Prefabricated Pre-Inspected Structural Steel Members	108
C/D	BAC1		711.03.00.01	Structural Steel Tubing	108
	BAC2		711.06.00.01	High Tensile Strength Bolts	109
D	BAC2		711.08.00.01	Galvanized Metal	109
C/D	BAC2		711.09.00.01	Welded Stud Shear Connectors	109
D	BAC2		711.11.00.01	Prestressing Steel	110
D	BAC2		711.12.03.01	Miscellaneous Iron Castings	110
D	BAC2	QPL	711.12.03.02	Cast Iron Inlet Frames and Grates	110
D	BAC2		711.13.00.01	Structural Anchor Bolts	110
D	BAC2		711.18.00.01	Mechanical Rebar Connectors	110
D	BAC2		711.21.00.01	High Strength Wire Rockfall Mesh	111
C/D	BAC2		711.21.00.02	Gabion Baskets - Wire and Wire Mesh	111
			Material Code	**Stream Preservation (STPR)**	**Page**
C/D			208.02.00.01	Temporary Rolled Erosion Control	112
D			208.02.00.02	Temporary Seed	112
			208.02.00.03	Stream Preservation Materials	112
			208.02.03.01	Streambed Aggregate	112
			Building Materials (BM)		
			Material Code	**Structure Material (STR)**	**Page**
			BM.699.01.01	Bird Spikes	113
D			BM.699.01.02	Glue Laminated Beams	113
D			BM.699.01.03	Insulation	113
D	BAC2		BM.699.01.04	Metal Roofing	113
D	BAC2		BM.699.01.05	Metal Siding & Soffit	113
D			BM.699.01.06	Picnic Shelter (Non Precast)	114
D			BM.699.01.07	Quarry Tile	114
D	BAC2		BM.699.01.08	Roof Joist	114
D			BM.699.01.09	Interior/Exterior Building Tape & Paint	114
			BM.699.01.10	Masonry/Through Wall Flashing	115
D			BM.699.01.11	Pre-Packaged Mortar	115
D			BM.699.01.14	Masonry Siding	115
D			BM.699.01.15	Interior/Exterior Glass and Glazing	115
			Material Code	**Electrical/Mechanical (ELMC)**	**Page**
D			BM.699.02.01	Electrical	116
D			BM.699.02.02	HVAC System	116
			BM.699.02.03	Interior Fixtures & Features	116
D	BAC2		BM.699.02.04	Propane Tank	116
			Material Code	**Plumbing (PLMB)**	**Page**
D			BM.699.03.01	Irrigation System	117
D			BM.699.03.02	Plumbing	117
D			BM.699.03.03	Waste Water Treatment System	117
D			BM.699.03.04	Waste Water Utility Pipe & Appurtenance	117

MATERIAL INDEX

D			BM.699.03.05	Waste Water Pumps, Fittings & Valves	117
D			BM.699.03.07	Well Pumps, Fittings & Valves	117
			Material Code	**Accessories (ACC)**	**Page**
D			BM.699.04.01	Benches (Non Precast)	118
D			BM.699.04.02	Picnic Tables (Non Precast)	118
D			BM.699.04.03	Trash Receptacles (Non Precast)	118
D			BM.699.04.04	Fire Extinguishers & Cabinets	118
D			BM.699.04.05	Flag Poles (Aluminum)	118
			BM.699.04.06	Toilet Room Accessories	118
			Material Code	**Door/Display (DRDP)**	**Page**
D			BM.699.05.01	Aluminum Storefront	119
D			BM.699.05.02	Display Cases	119
			BM.699.05.03	Hollow Metal Doors & Frames	119
D			BM.699.05.04	Overhead Garage Doors	119
			Material Code	**Scale Site Specific (SSS)**	**Page**
D	BAC2		BM.699.06.01	Scale Pit Structural Items	120
D			BM.699.06.02	Scale Electronics, Transducers, and Displays	120

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
	MT 202 SIEVE ANALYSIS				TEST		PER SPECIAL PROVISION

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^3 OTHER: ONE SAMPLE FOR EACH 200 YD^3 OF CONCRETE WITH A MINIMUM OF ONE SAMPLE PER PROJECT	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	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		
	MT 202 SIEVE ANALYSIS				TEST	TEST	
	AASHTO T 21 ORGANIC IMPURITIES IN FINE AGGREGATE						If Requested
	AASHTO T 104 SOUNDNESS SODIUM SULFATE (FINE AGG)						

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^3 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	TEST	
	AASHTO T 104 SOUNDNESS SODIUM SULFATE						
	AASHTO T 96 LOS ANGELES ABRASION						

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			

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			
	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			

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			
	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 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			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
RIPRAP CLASS 1 701.06.02.01 CLASS 2 701.06.02.02 CLASS 3 701.06.02.03	SPEC TABLE 701-21 RANDOM RIPRAP	N/A	ONE TEST PER PROJECT	TEST			OPTICAL GRANULOMETRY SOFTWARE
	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 TYPE 2 701.07.00.02 TYPE 3 701.07.00.03 TYPE 4 701.07.00.04	SPEC TABLE 701-22 BANK PROTECTION	N/A	ONE TEST PER PROJECT	TEST			
	CERT/ VISUAL INSPECTION	N/A	ONE TEST PER SOURCE	VISUAL			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	MT 201 SAMPLING			SAMPLE			
	MT 202 SIEVE ANALYSIS						
	AASHTO T 89 LIQUID LIMIT						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX	77 LBS	ONE TEST PER SOURCE				
	AASHTO T 335 FRACTURE				TEST		
	AASHTO M 145 SOIL CLASS						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
WALL BACKFILL 701.09.00.01	AASHTO T 104 SOUNDNESS SODIUM SULFATE			SAMPLE			
	AASHTO T 267 ORGANIC CONTENT IN SOILS						
	AASHTO T 288 SOIL RESISTIVITY	30 LBS	ONE TEST PER SOURCE			TEST	TEST MAY BE REQUIRED PER SPECIAL PROVISION
	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			

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				TEST		
	AASHTO T 335 FRACTURE						
	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 2 701.13.00.02	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			

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			
	MT 202 SIEVE ANALYSIS				TEST		
	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			

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						

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				TEST		
	AASHTO T 89 LIQUID LIMIT						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	AASHTO M 145 SOIL CLASS						
	AASHTO T 100 SPECIFIC GRAVITY OF SOILS					TEST	
	MT 232 SOILS CORROSION						
	AASHTO T 190 R-VALUE						

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 RESAMPLE IF MATERIAL SOURCE CHANGES	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PULVERIZED/ MILLED BITUMINOUS PAVEMENT 302.03.01.01	CERT/ VISUAL INSPECTION	N/A	ONE PER PROJECT	VISUAL			VISUALLY INSPECT SO THAT 100% OF MATERIAL PASSES 2-INCH SIEVE
	MT 202 SIEVE ANALYSIS	77 LBS	VISUALLY INSPECT UNLESS QUESTIONABLE	TEST			
	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			

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			
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE		TEST	TEST	
	AASHTO T 335 FRACTURE						
	AASHTO T 89 LIQUID LIMIT		1 SAMPLE PER PROJECT PER SOURCE				
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						

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						
	SPEC 701.02.6 DUST RATIO						
	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			
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE		TEST	TEST	
	AASHTO T 335 FRACTURE						
	AASHTO T 89 LIQUID LIMIT		1 SAMPLE PER PROJECT PER SOURCE				
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						

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			TEST			
	AASHTO T 335 FRACTURE						
	SPEC 701.02.7 DUST RATIO						
	AASHTO T 89 LIQUID LIMIT	30 LBS	TWO TESTS PER MATERIAL TYPE RESAMPLE IF MATERIAL CHANGES	SAMPLE	TEST		
	AASHTO T 90 PLASTIC LIMIT &						
	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			
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE		TEST	TEST	
	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						
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
TYPE 1 701.02.08.01	MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	ONE TEST FOR EACH LOT		TEST	TEST	
TYPE 2 701.02.08.02	AASHTO T 335 FRACTURE						
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
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.

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
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE		TEST	TEST	
	AASHTO T 89 LIQUID LIMIT		1 SAMPLE PER PROJECT PER SOURCE				
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER SOURCE	MIX DESIGN			CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN

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						
	INDEPENDENT ASSURANCE (COMPARISON TESTING)			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	ONE TEST FOR EACH LOT		TEST	TEST	
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER SOURCE	MIX DESIGN			CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP			
	MT 302 SAMPLING	2 - 1 PINT SPECIMEN IN METAL CANS	1 SAMPLE PER 25 TONS OF ASPHALT BINDER (1 LOT = 150 TONS OF ASPHALT BINDER) **COMMERCIAL MIXES** 1 SAMPLE PER 450 TONS OF PLANT MIX SURFACING (1 LOT = 2700 TONS OF PLANT MIX SURFACING)	SAMPLE		TEST	
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-34 702.01.01.06	AASHTO R 28 PRESSURIZED AGING VESSEL						
	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						

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
	MT 302 SAMPLING	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					TEST	MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 EMULSIFIED ASPHALTS						**PRIMARY TEST METHOD** EVAPORATIVE DISTILLATION **SECONDARY TEST METHOD** HIGH TEMPERATURE DISTILLATION

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

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

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
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			
	MT 302 SAMPLING	2 - 1 QT SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY					TEST	MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 EMULSIFIED ASPHALTS						**PRIMARY TEST METHOD** EVAPORATIVE DISTILLATION **SECONDARY TEST METHOD** HIGH TEMPERATURE DISTILLATION

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
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			
	MT 302 SAMPLING	2 - 1 QT SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY					TEST	MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 TESTING EMULSIFIED ASPHALTS						**PRIMARY TEST METHOD** EVAPORATIVE DISTILLATION **SECONDARY TEST METHOD** HIGH TEMPERATURE DISTILLATION

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

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

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

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

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

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

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						

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

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

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^3 OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD^3 OR LESS [551.03.8(C)(1)(a)]
	AASHTO T 152 AIR CONTENT	1 CU FT	ONE TEST EVERY 24 YD^3 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
	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 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^3 OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD^3 OR LESS [551.03.8(C)(1)(a)]
	AASHTO T 152 AIR CONTENT	1 CU FT	ONE TEST EVERY 24 YD^3 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 DESCREPANCIES 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
	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 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^3 OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD^3 OR LESS [551.03.8(C)(1)(a)]
	AASHTO T 152 AIR CONTENT SCC	1 CU FT	ONE TEST EVERY 24 YD^3 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
	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 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^3 OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD^3 OR LESS [551.03.8(C)(1)(a)]
	AASHTO T 358 RESISTIVITY		TEST 3 - 28 DAY COMPRESSIVE STRENGTH CYLINDERS				
	AASHTO T 152 AIR CONTENT	1 CU FT	ONE TEST EVERY 24 YD^3 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
	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 OVERLAY-SF CONCRETE 551.03.02.07	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^3 OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD^3 OR LESS [551.03.8(C)(1)(a)]
	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^3 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
	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 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			
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT	MINIMUM OF 2 SETS PER LOT (200 YD^3 OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD^3 OR LESS [551.03.8(C)(1)(a)]
	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						FOR INFORMATION ONLY
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.

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^3 OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD^3 OR LESS [551.03.8(C)(1)(a)]
	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 24 YD^3 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
	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 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^3 OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD^3 OR LESS [551.03.8(C)(1)(a)]
	AASHTO T 119 SLUMP	1 CU FT	ONE TEST EVERY 24 YD^3 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						FOR INFORMATION ONLY
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.

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	
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	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

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^3) (SMALL QUANTITES TESTED EVERY 25 YD^3) 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^3	TEST			
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.

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^3 OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD^3 OR LESS [551.03.8(C)(1)(a)]
	AASHTO T 358 RESISTIVITY		TEST 3 - 28 DAY COMPRESSIVE STRENGTH CYLINDERS				
	AASHTO T 152 AIR CONTENT	1 CU FT	ONE TEST EVERY 24 YD^3 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
	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 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^3 OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD^3 OR LESS [551.03.8(C)(1)(a)]
	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 24 YD^3 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
	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 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	
	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	
	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
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		
	MT 111 PRESTRESSED STRUCTURAL MEMBERS	PER MT 111	ONE PER DECK SECTION		PRE-INSPECTION		FOR PRESTRESSED ITEMS

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			
	MT 110 RCP AND ASSOCIATED ITEMS	N/A			PRE-INSPECTION		

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			

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			

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			

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

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

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

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

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

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	

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

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			
	MT 202 SIEVE ANALYSIS				TEST		
	AASHTO T 89 LIQUID LIMIT						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						
	AASHTO M 145 SOIL CLASS						
	MT 229 ZERO AIR VOIDS						SECONDARY TEST INTERIM MEASURE UNTIL A PROCTOR CAN BE PERFORMED
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	AASHTO T 100 SPECIFIC GRAVITY						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER 2000 YD^3 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
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^3) MINIMUM EIGHT SAMPLES PER BORROW SOURCE 85% OF THE TESTS MUST MEET SOILS CLASSIFICATION OR R-VALUE REQUIREMENT	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		
	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					TEST	TEST REQUIRED IF SPECIFIED IN THE SPECIAL PROVISIONS
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER 2000 YD^3 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			
	MT 202 SIEVE ANALYSIS				TEST		
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						
	AASHTO T 335 FRACTURE						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SNOW FENCE MATERIAL 607.02.01.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT	VISUAL			VERIFY SEAL NUMBERS CORRESPOND WITH PRE-INSPECTION RECORDS
	MT 404 INSPECTING WOOD PRODUCTS	PER MT 404	PER MT 404		PRE-INSPECTION		

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

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CHAIN LINK GATE 712.01.08.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL FENCE POST 712.02.07.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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		

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	DATA SHEET VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS AND ATTACH APPLICABLE CERT

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

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

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

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

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 CLASS C 716.04.00.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	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
SUBSURFACE DRAIN FILTER - HIGH SURV CLASS A 716.04.00.04 CLASS B 716.04.00.05 CLASS C 716.04.00.06	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	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
PERMANENT EC - MOD SURV CLASS A 716.05.00.01 CLASS B 716.05.00.02 CLASS C 716.05.00.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	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
PERMANENT EC - HIGH SURV CLASS A 716.05.00.04 CLASS B 716.05.00.05 CLASS C 716.05.00.06	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	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
TEMPORARY SILT FENCE 716.06.00.01	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
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

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

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

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WOOD GUARDRAIL POST/BLOCKOUT	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT OR BATCH	VISUAL			VERIFY SEAL NUMBERS CORRESPOND WITH PRE-INSPECTION RECORDS
705.01.02.01	MT 404 INSPECTING WOOD PRODUCTS	PER MT 404	PER MT 404		PRE-INSPECTION		

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	CERT OF COMP VISUAL			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL GUARDRAIL POST	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT OF COMP VISUAL			
705.01.05.01	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
W-BEAM TERMINAL SECTION	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
606.02.00.01	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
BOX BEAM TERMINAL SECTION	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			
606.02.00.02	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
IMPACT ATTENUATOR	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	DATA SHEET			
606.02.00.03	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
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

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			

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			

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			

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

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL CONDUIT	ELECTRICAL ITEM CHECKLIST	N/A	ONE PER LOT	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

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

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

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

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

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

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

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

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

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

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

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						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DE-ICER $MgCl_2$ 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						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DE-ICER $CaCl_2$ 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						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DE-ICER KCH_3COO 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				TEST		
	AASHTO T 19 UNIT WEIGHT						

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		DATA SHEET			
	MT 201 SAMPLING	30 LBS	ONE PER 2,000 TONS	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		DATA SHEET			
	MT 520 ENGINE OIL ANALYSIS	50 mL	YEARLY/AS NEEDED	SAMPLE		TEST	

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	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DETECTABLE WARNING DEVICES 608.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MAIL BOX 623.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST 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 706.01.00.01	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		

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			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
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 REQUIRE VISUAL INSPECTION ONLY

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
ANTI-GRAFFITI COATING 710.04.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WATER FOR CONCRETE 713.01.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER SOURCE	VISUAL			
	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			QUALIFIED PRODUCTS LIST
	AASHTO M 303 LIME FOR ASPHALT MIXTURES	5 LBS AIRTIGHT	ONE PER PROJECT/ CONTRACT	SAMPLE			SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST PLASTIC SAMPLE CONTAINER REQUIRED (i.e., 1 GAL PLASTIC BUCKET WITH FRICTION TOP LID)
	AASHTO T 218 SAMPLING HYDRATED LIME					TEST	
	AASHTO T 219 CHEMCIAL ANALYSIS OF HYDRATED LIME	50 GRAM (2 OZ) AIRTIGHT				SAMPLE TEST	

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

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			

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

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

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

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PREFORMED PLASTIC 714.07.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER TYPE	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REFLECTIVE GLASS BEADS MT TYPE 1 714.08.00.01 MT TYPE 2 714.08.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	AASHTO T 346 SAMPLING GLASS BEADS	1 QT (1 LITER)	**CONSTRUCTION** ONE PER PROJECT **MAINTENANCE** 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.
	AASHTO PP 74 GRADATION AND ROUNDNESS OF GLASS BEADS						

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL PIPE PILES 711.10.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

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

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		PLANTS NEED TO BE INSPECTED MONTHLY, INCLUDING CERTIFIED PLANTS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLASTIC PIPE 708.05 708.06 708.07 708.08	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DUCTILE IRON WATER PIPE 709.01.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 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 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

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			

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			

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

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			

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 **COMMERCIAL MIXES** 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		ONE EVERY 1000 TONS OF PLANT MIX PAVEMENT **COMMERCIAL MIXES** 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 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS			TEST			
	MT 321 RICE SPECIFIC GRAVITY						
	MT 332 GYRATORY COMPACTION						
	MT 334 HAMBURG WHEEL- TRACK	45 LBS	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		

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
	MT 305 VOLUME SWELL CALIPER/MERCURY						SECONDARY
	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

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			

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		
	MT 202 SIEVE ANALYSIS					TEST	
	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						
	MT 305 VOLUME SWELL CALIPER/MERCURY						
	AASHTO T 304 FINE AGGREGATE ANGULARITY						
	ASTM D4791 FLAT & ELONGATED PARTICLES						
	ASTM D6390 DRAIN DOWN						
	MT 332 GYRATORY COMPACTION					VERIFY	

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		
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE PER COLD RECYCLED PLANT MIX DESIGN	MIX DESIGN		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HOT IN-PLACE RECYLCED PLANT MIX 405.03.00.02	CERT/ VISUAL INSPECTION	N/A	ONE PER PROJECT	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS
	MT 303 SAMPLING BITUMINOUS PAVING MIXTURES	SUFFICIENT QUANTITY IN 2-10 QUART GALVANIZED BUCKETS	PER SPECIAL PROVISION	SAMPLE	TEST		
	Mix Design			**FIELD**	**DISTRICT/ AREA LAB**	**MDT HQ LAB**	**NOTES**
	CERT/ VISUAL INSPECTION	1 EACH	ONE PER HOT IN-PLACE 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
CORES FOR STRIPPING ANALYSIS PC 4	MT 331 SAMPLING & EVALUATING STRIPPING PAVEMENTS	1 EACH	SEE MT 331		SAMPLE	TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRECONSTRUCTION SOIL CHEMISTRY PC 5	MT 232 SOILS CORROSION	5 LB	ONE PER LOCATION		SAMPLE	TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HOT IN PLACE RECYCLE CORES PC 6	MT 331 SAMPLING & EVALUATING STRIPPING PAVEMENTS	1 EACH	SEE MT 331		SAMPLE	TEST	

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TOPSOIL 713.05.00.01	MT 412 TOP SOIL	2 LBS	ONE TEST PER SOURCE	SAMPLE TEST			TESTING REQUIRED ON IMPORTED TOPSOIL ONLY

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
WEED CONTROL MAT 713.06.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
RECLAMATION SEED 713.08.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER BLEND	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
LANDSCAPING SEED 713.08.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER BLEND	DATA SHEET			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FERTILIZER 713.09.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER BLEND	DATA SHEET			

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

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		

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 #

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 GRADE 60 711.01.01.02 GRADE 75 711.01.01.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
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	DATA SHEET VISUAL			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REINFORCING WIRE, WIRE MESH 711.01.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REBAR-CORROSION RESISTANT-CR-GR100 711.01.04.01	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
	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 711.01.04.02	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
	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
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 #

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						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 REQUIRED ONLY IF MATERIAL HAS NOT BEEN PRE-INSPECTED
	MT 409 WELDED STUD SHEAR CONNECTORS	1 EACH	ONE PER ITEM		PRE-INSPECTION		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRESTRESSING STEEL 711.11.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	DATA SHEET			
	STEEL CERT CATEGORY 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			

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

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 - WIRE AND WIRE MESH 711.21.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	DATA SHEET OR CERT OF COMP			
	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
TEMPORARY ROLLED EROSION CONTROL 208.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	CERT OF COMP OR DATA SHEET			

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STREAM PRESERVATION MATERIALS 208.02.00.03	CERT/ VISUAL INSPECTION	N/A	ONE PER ITEM	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS

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

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			

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

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

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

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

BUILDING MATERIALS

STRUCTURE MATERIAL SPECIALS, DETAILED DWGS, STANDARD SPECS, FORMS

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			

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

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

BUILDING MATERIALS

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
MASONARY/ THROUGH WALL FLASHING BM.699.01.10	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	VISUAL			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRE-PACKAGED MORTAR BM.699.01.11	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
MASONRY SIDING BM.699.01.14	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
INTERIOR/ EXTERIOR GLASS AND GLAZING BM.699.01.15	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

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
ELECTRICAL BM.699.02.01	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
HVAC SYSTEM BM.699.02.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH COMPONENT, PER TYPE, PER PROJECT	DATA SHEET			

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			

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

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
IRRIGATION SYSTEM BM.699.03.01	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
PLUMBING BM.699.03.02	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
WASTE WATER TREATMENT SYSTEM BM.699.03.03	CERT/ VISUAL INSPECTION	1 EACH	`	DATA SHEET			

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			

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

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

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
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			

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			

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			

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
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			

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			

BUILDING MATERIALS

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			