

METHODS OF SAMPLING AND TESTING
MT 601-20
MATERIALS SAMPLING, TESTING AND ACCEPTANCE GUIDE

1 Scope

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

Within this procedure is a table informing the user what tests 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

Various 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, etc. The user is able to click on a category to expose a table containing materials that fall within that category. Also included on each page is a link to MDT Specifications. MT 601 Table contains:

- Name of the material.
- The material code that corresponds to SiteManager.
- 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 numerous methods for determining if a material is acceptable (i.e., meet contract requirements). The basis for acceptance of a material is defined in the contract. The SiteManager term for each acceptance method is provided in parentheses.

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

3.1 Sample/Test Results

Assure that the material to be incorporated into the work is sampled at the appropriate 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 authorized representative will witness samples collected by the contractor.

Quality Assurance (QA) – Perform sampling for QA according to the Montana Materials Manual of Test Procedures, [Montana Standard Specifications for Road and Bridge Construction Manual](#) and any applicable [Supplemental Specifications](#) for the item to be sampled. Department personnel or authorized representative 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. There are two types of IA's: Comparison Testing and Procedural Checks. 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*

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

3.1.2 *Optional Samples*

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

3.1.3 *Maintenance Samples*

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

3.1.4 *Preconstruction Samples*

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

3.2 Sample/Test Results and Certification

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

3.3 Qualified Products (Approved Materials)

The Materials Bureau maintains the Qualified Products List (QPL). MDT confirms the materials appearing on the QPL meet the specifications described in the product specific item. Some materials may be accepted through the QPL or by product specific testing. Materials that are required to be on the QPL are highlighted in yellow within the table. Specifics on the QPL program can be found at the following link: [MDT's Qualified Products List](#).

3.4 Certification/Visual Inspection

Acceptance of an established product may be made by the field, based on Certificate of Compliance (Cert of Comp) or Product Data Sheet (Data Sheet), visual inspection of the material's condition and/or previous satisfactory field performance. When a Cert of Comp or Data Sheet is required, the inspector must verify that the material received matches the Cert of Comp or Data Sheet and meets the contract requirements.

- **Certificates of Compliance** – state the material meets the contract requirements. 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.

3.4.1 Buy America

Standard Specification 106.09, 23 USC Section 313, and 23 CFR 635.410 apply to all steel and iron items 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** require supporting documentation showing all steps of manufacturing as being completed in the U.S. This includes the Mill Test Report from the original producing steel mill and certifications documenting the manufacturing processes for all subsequent fabrication, including coatings.
- Items designated as **Category 2** must have all manufacturing processes completed in the U.S.; however, to address concerns with excessive documentation, products may be certified as domestic by the fabricator. Certification by the fabricator must consist of a statement that all materials have been melted and manufactured in the U.S. and are required to be **signed** by a fabricator representative. The Department reserves the right to request additional information and documentation to verify accuracy of statement.

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

3.5 Final Records

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

3.6 Pre-Inspection

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

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

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

3.7 Mix Designs

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

4 Submittals, Documentation and Reports

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

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

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

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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

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C/D		QPL	713.10.00.01	Mulch	102
D			713.11.00.01	Sod	102
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D	BAC2		BM.699.01.05	Metal Siding & Soffit	111
D			BM.699.01.06	Picnic Shelter (Non Precast)	112
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SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (14 KG)	PAVING: ONE TEST PER EVERY 1000 CU YDS (750 M ³) OTHER: ONE SAMPLE FOR EACH 200 CU YDS (150 M 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 (1.6 KM), 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 (23 KG)	PROPOSED SOURCE: THREE 50 LB (23 KG) COMPOSITE SAMPLES FROM EACH SOURCE		SAMPLE		If Requested
	MT 202 SIEVE ANALYSIS				TEST		
	AASHTO T 21 ORGANIC IMPURITIES IN FINE AGGREGATE					TEST	
	AASHTO T 104 SOUNDNESS SODIUM SULFATE (FINE AGG)						

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SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (23 KG)	PROPOSED SOURCE: THREE 50 LB (23 KG) COMPOSITE SAMPLES FROM EACH SOURCE		SAMPLE		
	MT 202 SIEVE ANALYSIS				TEST		
	AASHTO T 104 SOUNDNESS SODIUM SULFATE				TEST		
	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 (35 KG)	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			

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SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FOUNDATION MATERIAL 701.04.02.01	MT 201 SAMPLING	77 LBS (35 KG)	ONE TEST PER SOURCE	SAMPLE	TEST		
	MT 202 SIEVE ANALYSIS						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER INSTALLATION AND PER LIFT	TEST			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GRANULAR BEDDING MATERIAL 701.04.03.01	MT 201 SAMPLING	77 LBS (35 KG)	ONE TEST PER SOURCE	SAMPLE	TEST		
	MT 202 SIEVE ANALYSIS						

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
FILTER MATERIAL NUMBER 2 701.05.00.02	MT 201 SAMPLING	77 LBS (35 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			

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SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BANK PROTECTION TYPE 1 701.07.00.01	SPEC TABLE 701-22 BANK PROTECTION	N/A	ONE TEST PER PROJECT	TEST			
TYPE 2 701.07.00.02 TYPE 3 701.07.00.03 TYPE 4 701.07.00.04	CERT/ VISUAL INSPECTION	N/A	ONE TEST PER SOURCE	VISUAL			

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SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES					
WALL BACKFILL 701.09.00.01	MT 201 SAMPLING	77 LBS (35 KG)	ONE TEST PER SOURCE	SAMPLE	TEST							
	MT 202 SIEVE ANALYSIS											
	AASHTO T 89 LIQUID LIMIT											
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX											
	AASHTO T 335 FRACTURE											
	AASHTO M 145 SOIL CLASS											
	MT 210 (5.5LB) PROCTOR											
	MT 230 (10LB) PROCTOR											
	AASHTO T 104 SOUNDNESS			30 LBS (14 KG)				ONE TEST PER SOURCE	SAMPLE		TEST	TEST MAY BE REQUIRED PER SPECIAL PROVISION
	SODIUM SULFATE											
AASHTO T 267 ORGANIC CONTENT IN SOILS												
AASHTO T 288 SOIL RESISTIVITY												
AASHTO T 289 pH OF SOIL												
AASHTO T 290 SULFATE CONTENT IN SOIL												
AASHTO T 291 CHLORIDE IN SOIL	N/A	MINIMUM OF ONE TEST PER INSTALLATION AND PER LIFT	TEST									
MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)												

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SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
DRAIN AGGREGATE 701.10.00.01	MT 201 SAMPLING	77 LBS (35 KG)	ONE TEST PER PROJECT	SAMPLE			
	MT 202 SIEVE ANALYSIS				TEST		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GLASS CULLET 701.11.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	CERT OF COMP			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BRIDGE END BACKFILL TYPE 1 701.13.00.01	MT 201 SAMPLING	77 LBS (35 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS						
	AASHTO T 335 FRACTURE				TEST		
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER INSTALLATION AND PER LIFT	TEST			

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SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BRIDGE END BACKFILL TYPE 2 701.13.00.02	MT 201 SAMPLING	77 LBS (35 KG)	ONE TEST PER SOURCE	SAMPLE	TEST		
	MT 202 SIEVE ANALYSIS						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER INSTALLATION AND PER LIFT	TEST			

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BRIDGE END BACKFILL TYPE 3 701.13.00.03	MT 201 SAMPLING	77 LBS (35 KG)	ONE TEST PER SOURCE	SAMPLE	TEST		
	MT 202 SIEVE ANALYSIS						
	AASHTO T 89 LIQUID LIMIT						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						
	AASHTO M 145 SOIL CLASS						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER INSTALLATION AND PER LIFT	TEST			

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SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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						
	AASHTO T 89 LIQUID LIMIT						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX				TEST		
	AASHTO M 145 SOIL CLASS						
	AASHTO T 96 LOS ANGELES ABRASION						
	AASHTO T 112 CLAY LUMPS & FRIABLE PARTICLES						
	AASHTO T 327 MICRO-DEVAL					TEST	
	MT 305 VOLUME SWELL- CALIPER/MERCURY						
	MT 322 ADHESION						
	AASHTO T 104 SOUNDNESS SODIUM SULFATE						
	AASHTO T 190 R-VALUE						

AGGREGATE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SOILS FOR SOIL SURVEY PC 2	AASHTO R 58 PREPARATION	SAMPLE PER MT 207	ONE TEST PER LOCATION		VISUAL		THIS INFORMATION IS FOR DESIGN
	MT 207 CENTERLINE SOIL SURVEY				SAMPLE		
	MT 201 SAMPLING						
	MT 202 SIEVE ANALYSIS						
	AASHTO T 89 LIQUID LIMIT						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX				TEST		
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	AASHTO M 145 SOIL CLASS						
	AASHTO T 100 SPECIFIC GRAVITY OF SOILS						
	MT 232 SOILS CORROSION					TEST	
	AASHTO T 190 R-VALUE						

AGGREGATE SURFACING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (14 KG)	ONE TEST PER SOURCE/PER PROJECT	SAMPLE			
	MT 202 SIEVE ANALYSIS		RESAMPLE IF MATERIAL SOURCE CHANGES		TEST		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PULVERIZED/ MILLED BITUMINOUS PAVEMENT 302.03.01.01	CERT/ VISUAL INSPECTION	N/A	ONE PER PROJECT	VISUAL			VISUALLY INSPECT SO THAT 100% OF MATERIAL PASSES 2-INCH (50 MM) SIEVE
	MT 202 SIEVE ANALYSIS	77 LBS (35 KG)	VISUALLY INSPECT UNLESS QUESTIONABLE	TEST			
	MT 230 (10LB) PROCTOR		TWO TESTS PER MATERIAL TYPE RESAMPLE IF MATERIAL CHANGES	SAMPLE	TEST		
	MT 219 CONTROL-STRIP TEST SECTION	N/A	WHEN RATIO OF BLENDED MATERIAL CHANGES BY MORE THAN 20% OR CHARACTERISTICS OR SITE CONDITIONS CHANGE	TEST			
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	10 TESTS PER 2000 FT (610 M)	TEST			

AGGREGATE SURFACING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (35 KG)	1 SAMPLE FOR EACH 2,500 TONS (MT) (1,250 CU YDS (M ³)), 1 LOT = 5 SAMPLES OR APPROX. 12,500 TONS (MT) (6,250 CU YDS or (M ³))	SAMPLE					
	MT 202 SIEVE ANALYSIS			TEST					
	AASHTO T 335 FRACTURE								
	AASHTO T 89 LIQUID LIMIT	77 LBS (35 KG)	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 (610 M)	TEST					
	INDEPENDENT ASSURANCE (COMPARISON TESTING)				FIELD	DISTRICT/ AREA LAB		MDT HQ LAB	NOTES
	MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE			TEST		TEST	
	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, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (14 KG)	1 SAMPLE FOR EACH 2,500 TONS (MT) (1,250 CU YDS (M3)), 1 LOT = 5 SAMPLES OR APPROX. 12,500 TONS (MT) (6,250 CU YDS or (M3))	SAMPLE				
	MT 202 SIEVE ANALYSIS			TEST				
	AASHTO T 335 FRACTURE							
	SPEC 701.02.6 DUST RATIO							
	AASHTO T 89 LIQUID LIMIT	30 LBS (14 KG)	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 (610 M)	TEST				
	INDEPENDENT ASSURANCE (COMPARISON TESTING)				FIELD	DISTRICT/ AREA LAB		MDT HQ LAB
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		1 SAMPLE PER PROJECT PER SOURCE						
AASHTO T 89 LIQUID LIMIT								
AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX								

AGGREGATE SURFACING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (14 KG)	1 SAMPLE FOR EACH 2,500 TONS (MT) (1,250 CU YDS (M3)), 1 LOT = 5 SAMPLES OR APPROX. 12,500 TONS (MT) (6,250 CU YDS or (M3))	SAMPLE			
	MT 202 SIEVE ANALYSIS						
	AASHTO T 335 FRACTURE						
	SPEC 701.02.7 DUST RATIO						
	AASHTO T 89 LIQUID LIMIT	30 LBS (14 KG)	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 (610 M)	TEST			
	INDEPENDENT ASSURANCE (COMPARISON TESTING)				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB
MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	1 SAMPLE PER PROJECT PER SOURCE			TEST	TEST	
AASHTO T 335 FRACTURE							
AASHTO T 89 LIQUID LIMIT							
AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX							

AGGREGATE SURFACING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (14 KG)	1 SAMPLE FOR EACH 38,500 SQ YDS (32,000 M ²), 5 SAMPLES = 1 LOT OR APPROX. 192,500 SQ YDS (160,000 M ²)	SAMPLE			
	MT 202 SIEVE ANALYSIS			TEST			
	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	
	AASHTO T 335 FRACTURE						
TYPE 2 701.02.08.02	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.

AGGREGATE SURFACING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CEMENT TREATED BASE 701.02.09.01	MT 201 SAMPLING	30 LBS (14 KG)	1 SAMPLE FOR EACH 1,500 TONS (MT) (750 CU YDS (575 M ³)), 5 SAMPLES = 1 LOT	SAMPLE				
	MT 202 SIEVE ANALYSIS			TEST				
	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 LB (14 KG)	1 SET OF CYLINDERS PER 750 CU YDS (575 M ³) 5 SAMPLES = 1 LOT	SAMPLE				
	ASTM D1633 COMPRESSIVE STRENGTH OF MOLDED SOIL- CEMENT CYLINDERS					TEST		
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	1 TEST PER 750 CU YDS (575 M ³) 5 SAMPLES = 1 LOT	TEST			IF COMPACTION TEST FAILS, 2 ADDITIONAL TESTS ARE TO BE COMPLETED AND THE AVERAGE OF 3 TESTS IS THE RECORDED RESULTS	
	INDEPENDENT ASSURANCE (COMPARISON TESTING)				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	MT 202 SIEVE ANALYSIS	USE FIELD TESTED SAMPLE	1 SAMPLE FOR EACH 5 LOTS, MINIMUM OF 1 SAMPLE PER SOURCE			TEST	TEST	
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	

AGGREGATE SURFACING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
MICRO SURFACING AGGREGATE TYPE 2 701.03.00.01 TYPE 3 701.03.00.02	MT 201 SAMPLING	30 LBS (14 KG)	1 SAMPLE FOR EACH 300 TONS (MT), 5 SAMPLES = 1 LOT OR APPROX. 1,500 TONS (MT)	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	
	AASHTO T 335 FRACTURE							
	Mix Design				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER SOURCE		MIX DESIGN			CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN

BEARING DEVICES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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			
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

BITUMINOUS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES			
PERFORMANCE GRADED ASPHALT BINDER 58-28 702.01.01.01 64-22 702.01.01.02 64-28 702.01.01.03 70-28 702.01.01.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	CERT OF COMP						
	MT 302 SAMPLING			SAMPLE						
	AASHTO T 316 VISCOSITY BY ROTATIONAL VISCOMETER	2 - 1 PINT (2-500 mL) SPECIMEN IN METAL CANS	1 SAMPLE PER 25 TONS (MT) OF ASPHALT BINDER (1 LOT = 150 TONS (MT) OF ASPHALT BINDER)			TEST				
	AASHTO T 48 CLEVELAND OPEN CUP									
	AASHTO T 228 SPECIFIC GRAVITY OF ASPHALT MATERIALS									
	AASHTO T 315 DYNAMIC SHEAR RHEOMETER			COMMERCIAL MIXES						
	AASHTO T 240 ROLLING THIN-FILM OVEN			1 SAMPLE PER 450 TONS (MT) OF PLANT MIX SURFACING (1 LOT = 2700 TONS (MT) OF PLANT MIX SURFACING)						
	AASHTO R 28 PRESSURIZED AGING VESSEL									
	AASHTO T 313 BENDING BEAM RHEOMETER									
	AASHTO T 51 DUCTILITY OF ASPHALT									
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)				FIELD		DISTRICT/ AREA LAB	MDT HQ LAB		
MT 302 SAMPLING	N/A			1 PER 5 LOTS, MINIMUM OF 1 PER PROJECT (750 TONS OF ASPHALT BINDER)			CHECK			

BITUMINOUS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (2 - 1 L) SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	AASHTO T 72 SAYBOLT VISCOSITY					MINIMUM OF ONE TEST PER PROJECT	
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 EMULSIFIED ASPHALTS					<u>PRIMARY TEST METHOD</u> EVAPORATIVE DISTILLATION <u>SECONDARY TEST METHOD</u> HIGH TEMPERATURE DISTILLATION	
					TEST		

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 (2 - 1 L) SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	AASHTO T 72 SAYBOLT VISCOSITY					MINIMUM OF ONE TEST PER PROJECT	
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
	AASHTO T 59 EMULSIFIED ASPHALTS					<u>PRIMARY TEST METHOD</u> EVAPORATIVE DISTILLATION <u>SECONDARY TEST METHOD</u> HIGH TEMPERATURE DISTILLATION	
					TEST		

BITUMINOUS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

BITUMINOUS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

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

BITUMINOUS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (2 - 1 L) SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY						MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
AASHTO T 59 TESTING EMULSIFIED ASPHALTS					TEST	PARTICLE CHARGE TEST IS PERFORMED <u>PRIMARY TEST METHOD</u> EVAPORATIVE DISTILLATION <u>SECONDARY TEST METHOD</u> HIGH TEMPERATURE DISTILLATION	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
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 (2 - 1 L) SPECIMEN IN PLASTIC BOTTLES	ONE SAMPLE PER TANKER OR TRAILER	SAMPLE			
	AASHTO T 72 SAYBOLT VISCOSITY						MINIMUM OF ONE TEST PER PROJECT
	AASHTO T 49 PENETRATION OF BITUMINOUS MATERIALS						
AASHTO T 59 TESTING EMULSIFIED ASPHALTS					TEST	PARTICLE CHARGE TEST IS PERFORMED <u>PRIMARY TEST METHOD</u> EVAPORATIVE DISTILLATION <u>SECONDARY TEST METHOD</u> HIGH TEMPERATURE DISTILLATION	

BITUMINOUS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

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

BITUMINOUS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

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

BITUMINOUS PRIME & TACK COAT

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (14 KG)	ONE TEST PER PROJECT	SAMPLE			
	MT 202 SIEVE ANALYSIS						
	AASHTO T 89 LIQUID LIMIT				TEST		
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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
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
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
GROUND GRANULATED BLAST FURNACE SLAG (GGBFS) 551.02.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER GRIND/BIN/SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST VERIFY MATERIAL USED IS INCLUDED IN THE CONCRETE MIX DESIGN

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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
AIR-ENTRAINING AGENTS 551.02.06.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER GRIND/BIN/SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST VERIFY MATERIAL USED IS INCLUDED IN THE CONCRETE MIX DESIGN

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CLASS GENERAL CONCRETE	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE				
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M ³)	MINIMUM OF 2 SETS PER LOT (200 YD ³ (150 M ³) OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD ³ (23 M ³) OR LESS [551.03.8(B)(1)(a)]	
	AASHTO T 152 AIR CONTENT	1 CU FT (0.03 M ³)	ONE TEST EVERY 24 YD ³ (18 M 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	
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	551.03.02.02	AASHTO R 60 SAMPLING FRESH CONCRETE	USE FIELD TESTED SAMPLE	ONE PER 400 CU YDS (300 M ³) OR A MINIMUM OF ONE PER PROJECT		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB
		AASHTO T 152 AIR CONTENT						
		AASHTO T 119 SLUMP						
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	ONE SET OF FOUR CYLINDERS PER 400 CU YDS (300 M ³) OR A MINIMUM OF ONE SET PER PROJECT						
Mix Design				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.	

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (0.03 M ³)	MINIMUM OF 2 SETS PER LOT (1000 YD ³ (750 M ³) OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD ³ (23 M ³) OR LESS [551.03.8(B)(1)(a)]
	AASHTO T 152 AIR CONTENT	1 CU FT (0.03 M ³)	ONE TEST EVERY 24 YD ³ (18 M 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						
	MT 103 THICKNESS OF CONCRETE USING A THICKNESS GAUGE	N/A	MIN OF ONE TEST PER 1000 FEET (300 M) OF TRAFFIC LANE OF PAVEMENT PLACED	SAMPLE TEST			PRIMARY TEST
	AASHTO T 148 MEASURING LENGTH OF CORES						SECONDARY TEST
	AASHTO T 24 OBTAIN AND TEST CONCRETE CORES						NOTE: USE ONLY IF THIN SECTIONS ARE IDENTIFIED PER MT 103 DEFICIENCIES ARE IDENTIFIED IN MDT STANDARD SPECS SECTION 501.03.20
	AASHTO T 121 UNIT WEIGHT						

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS PAVE CONCRETE 551.03.02.03	AASHTO R 60 SAMPLING FRESH CONCRETE	USE FIELD TESTED SAMPLE	ONE PER 5000 CU YDS (3800 M ³) OR A MINIMUM OF ONE PER PROJECT		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB
	AASHTO T 152 AIR CONTENT						
	AASHTO T 119 SLUMP		ONE SET OF FOUR CYLINDERS PER 5000 CU YDS (M ³) OR A MINIMUM OF ONE SET PER PROJECT				
	MT 101 COMPRESSIVE STRENGTH CYLINDERS						
Mix Design				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (0.03 M ³)	MINIMUM OF 2 SETS PER LOT (200 YD ³ (150 M ³) OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD ³ (23 M ³) OR LESS [551.03.8(B)(1)(a)]
	AASHTO T 152 AIR CONTENT SCC	1 CU FT (0.03 M ³)	ONE TEST EVERY 24 YD ³ (18 M 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		

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CLASS SCC CONCRETE 551.03.02.05	AASHTO R 60 SAMPLING FRESH CONCRETE	USE FIELD TESTED SAMPLE	ONE PER 400 CU YDS (300 M ³) OR A MINIMUM OF ONE PER PROJECT		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB
	AASHTO T 152 AIR CONTENT SCC						
	AASHTO T 347 SLUMP FLOW SCC						
	AASHTO T 345 PASSING ABILITY OF SCC BY J-RING						
	AASHTO T 351 VISUAL STABILITY INDEX						
	MT 117 COMPRESSIVE STRENGTH CYLINDERS OF SCC		ONE SET OF FOUR CYLINDERS PER 400 CU YDS (300 M ³) OR A MINIMUM OF ONE SET PER PROJECT				
	Mix Design			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.	

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (0.03 M ³)	MINIMUM OF 2 SETS PER LOT (200 YD ³ (150 M ³) OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD ³ (23 M ³) OR LESS [551.03.8(B)(1)(a)]	
	AASHTO T 358 RESISTIVITY		TEST 3 - 28 DAY COMPRESSIVE STRENGTH CYLINDERS					
	AASHTO T 152 AIR CONTENT	1 CU FT (0.03 M ³)	ONE TEST EVERY 24 YD ³ (18 M 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
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	AASHTO R 60 SAMPLING FRESH CONCRETE	USE FIELD TESTED SAMPLE	ONE PER 400 CU YDS (300 M ³) OR A MINIMUM OF ONE PER PROJECT			CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB
	AASHTO T 152 AIR CONTENT							
AASHTO T 119 SLUMP								
MT 101 COMPRESSIVE STRENGTH CYLINDERS	ONE SET OF FOUR CYLINDERS PER 400 CU YDS (300 M ³) OR A MINIMUM OF ONE SET PER PROJECT							
Mix Design				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN			APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.	

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CLASS OVERLAY-SF CONCRETE	AASHTO R 60 SAMPLING FRESH CONCRETE	REFER TO TEST FOR SIZE		SAMPLE				
	MT 101 COMPRESSIVE STRENGTH CYLINDERS	1 CU FT (0.03 M ³)	MINIMUM OF 2 SETS PER LOT (200 YD ³ (150 M ³) OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD ³ (23 M ³) OR LESS [551.03.8(B)(1)(a)]	
	AASHTO T 358 RESISTIVITY		TEST 3 - 28 DAY COMPRESSIVE STRENGTH CYLINDERS					
	AASHTO T 152 AIR CONTENT	1 CU FT (0.03 M ³)	ONE TEST FOR THE FIRST LOAD AND THEN ONE TEST EVERY 16 CU YDS (12 M 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	
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	551.03.02.07	AASHTO R 60 SAMPLING FRESH CONCRETE	USE FIELD TESTED SAMPLE	ONE PER 400 CU YDS (300 M ³) OR A MINIMUM OF ONE PER PROJECT		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB
		AASHTO T 152 AIR CONTENT						
	AASHTO T 119 SLUMP							
	MT 101 COMPRESSIVE STRENGTH CYLINDERS							
	Mix Design			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.	

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (0.03 M ³)	MINIMUM OF 2 SETS PER LOT (200 YD ³ (150 M ³) OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD ³ (23 M ³) OR LESS [551.03.8(B)(1)(a)]
	AASHTO T 358 RESISTIVITY		TEST 3 - 28 DAY COMPRESSIVE STRENGTH CYLINDERS				
	AASHTO T 152 AIR CONTENT	1 CU FT (0.03 M ³)	ONE TEST PER EACH MOBILE MIXER	SAMPLE TEST			
	AASHTO T 121 UNIT WEIGHT						
							FOR INFORMATION ONLY

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (0.03 M ³)	MINIMUM OF 2 SETS PER LOT (200 YD ³ (150 M ³) OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD ³ (23 M ³) OR LESS [551.03.8(B)(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 (0.03 M ³)	ONE TEST EVERY 24 YD ³ (18 M 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
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	AASHTO R 60 SAMPLING FRESH CONCRETE	USE FIELD TESTED SAMPLE		ONE PER 400 CU YDS (300 M ³) OR A MINIMUM OF ONE PER PROJECT		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB
	AASHTO T 152 AIR CONTENT							
AASHTO T 119 SLUMP								
MT 101 COMPRESSIVE STRENGTH CYLINDERS	ONE SET OF FOUR CYLINDERS PER 400 CU YDS (300 M ³) OR A MINIMUM OF ONE SET PER PROJECT							
Mix Design				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CERT/ VISUAL INSPECTION	1 EACH		ONE MIX DESIGN PER BID ITEM	MIX DESIGN		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.	

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (0.03 M ³)	MINIMUM OF 2 SETS PER LOT (200 YD ³ (150 M ³) OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD ³ (23 M ³) OR LESS [551.03.8(B)(1)(a)]	
	AASHTO T 152 AIR CONTENT	1 CU FT (0.03 M ³)	ONE TEST EVERY 24 YD ³ (18 M 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	
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	AASHTO R 60 SAMPLING FRESH CONCRETE	USE FIELD TESTED SAMPLE	ONE PER 400 CU YDS (300 M ³) OR A MINIMUM OF ONE PER PROJECT	ONE SET OF FOUR CYLINDERS PER 400 CU YDS (300 M ³) OR A MINIMUM OF ONE SET PER PROJECT		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB
	AASHTO T 152 AIR CONTENT							
	AASHTO T 119 SLUMP							
MT 101 COMPRESSIVE STRENGTH CYLINDERS								
Mix Design				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.		

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONTROLLED LOW STRENGTH MATERIAL	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
EXCAV 551.03.02.11	ASTM D4832 PREPARATION AND TESTING OF CLSM	1 CU FT (0.03 M ³)	ONE SET PER PROJECT	SAMPLE		TEST	
NON-EXCAV 551.03.02.12	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	VISUAL			VERIFY ITEM MEETS MDT REQUIREMENTS

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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" (600 MM X 600 MM X 100 MM) PANEL	TWO SETS OF THREE CORES PER LOT (1 LOT = 100 CU YDS (75 M ³)) (SMALL QUANTITIES TESTED EVERY 25 CY (M ³)) MINIMUM OF ONE TEST/PANEL PER INSTALLATION	SAMPLE		TEST		
	ASTM C1604 OBTAIN & TEST CONCRETE CORES							
	AASHTO T 152 AIR CONTENT	1 CU FT (0.03 M ³)	ONE TEST FOR THE FIRST LOAD AND ONE TEST EVERY 16 CU YDS (12 M ³)	TEST				
	Mix Design				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	CERT/ VISUAL INSPECTION	1 EACH	ONE MIX DESIGN PER BID ITEM	MIX DESIGN		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.	

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (0.03 M ³)	MINIMUM OF 2 SETS PER LOT (200 YD ³ (150 M ³) OR EACH DAY'S POUR WHICHEVER IS LESS)	SAMPLE		TEST	1 SET MAY REPRESENT POURS OF 30 YD ³ (23 M ³) OR LESS [551.03.8(B)(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 (0.03 M ³)	ONE TEST EVERY 24 YD ³ (18 M 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
	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	AASHTO R 60 SAMPLING FRESH CONCRETE	USE FIELD TESTED SAMPLE		ONE PER 400 CU YDS (300 M ³) OR A MINIMUM OF ONE PER PROJECT		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB
	AASHTO T 152 AIR CONTENT							
AASHTO T 119 SLUMP								
MT 101 COMPRESSIVE STRENGTH CYLINDERS	ONE SET OF FOUR CYLINDERS PER 400 CU YDS (300 M ³) OR A MINIMUM OF ONE SET PER PROJECT							
Mix Design				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES	
CERT/ VISUAL INSPECTION	1 EACH		ONE MIX DESIGN PER BID ITEM	MIX DESIGN		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN. SEPARATE MIX DESIGNS NEEDED ONLY WHEN CONCRETE REQUIREMENTS VARY.	

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (3 M)	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

CONCRETE AND STRUCTURES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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
EPOXY ADHESIVES 713.14.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EPOXY TYPE	DATA SHEET			

CONCRETE SEALANT

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
LIQUID MEMBRANE- FORMING CONCRETE CURING COMPOUND 717.01.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
CONCRETE CURE AND SEAL COMPOUNDS 717.01.04.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
SILANE SEALER 717.02.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
HIGH MOLECULAR WEIGHT METHACRYLATE (HMWM) 717.02.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH NUMBER	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	MT 535 BRIDGE DECK CRACK SEALANT IR TEST	2 - 4 OZ (2 - 120 mL) PLASTIC BOTTLES		SAMPLE		TEST	SAMPLE REQUIRED TO BE TAKEN FROM JOB SITE

CONCRETE SEALANT

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
EPOXY BRIDGE DECK CRACK SEALANT 717.02.02.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH NUMBER	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

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

CRACK SEALING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CRACK SEALANT	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
403.02.00.01	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	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
403.02.00.02							

EXCAVATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (35 KG)	TEST MATERIAL AS NEEDED FOR SOILS CLASSIFICATION AND/OR PROCTOR	SAMPLE	TEST		
	MT 202 SIEVE ANALYSIS						
	AASHTO T 89 LIQUID LIMIT						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						
	AASHTO M 145 SOIL CLASS						
	MT 229 ZERO AIR VOIDS			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			
MT 218 RELATIVE COMPACTION AND % MOISTURE							
INDEPENDENT ASSURANCE (PROCEDURAL CHECK)				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	ONE PER EACH MILE OR ONE PER EVERY 100,000 CU YDS (75,000 M ³)		CHECK			

EXCAVATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (35 KG)	EACH SOURCE OF SPECIAL BORROW IS SUBJECT TO APPROVAL PRIOR TO PLACEMENT (ONE BORROW SOURCE PER 65,000 CU YDS (50,000 M ³)) MINIMUM EIGHT SAMPLES PER BORROW SOURCE 85% OF THE TESTS MUST MEET SOILS CLASSIFICATION OR R-VALUE REQUIREMENT	SAMPLE	TEST		
	MT 202 SIEVE ANALYSIS						
	AASHTO T 89 LIQUID LIMIT						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						
	AASHTO M 145 SOIL CLASS						
	MT 210 (5.5LB) PROCTOR						
	MT 230 (10LB) PROCTOR						
	AASHTO T 190 R-VALUE						
					TEST	TEST REQUIRED IF SPECIFIED IN THE SPECIAL PROVISIONS	
		MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	MINIMUM OF ONE TEST PER 2000 CU YDS (1500 M ³) AND A MINIMUM OF ONE TEST PER LIFT	TEST		
	MT 218 RELATIVE COMPACTION AND % MOISTURE						
INDEPENDENT ASSURANCE (PROCEDURAL CHECK)				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	MT 212 COMPACTION AND % MOISTURE (IN-PLACE DENSITY)	N/A	ONE PER EACH MILE OR ONE PER EVERY 100,000 CU YDS (75,000 M ³)		CHECK		

EXCAVATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (14 KG)	ONE TEST PER SOURCE	SAMPLE			
	MT 202 SIEVE ANALYSIS						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX				TEST		
	AASHTO T 335 FRACTURE						

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SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SNOW FENCE MATERIAL	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT	VISUAL			VERIFY SEAL NUMBERS CORRESPOND WITH PRE-INSPECTION RECORDS
607.02.01.01	MT 404 INSPECTING WOOD PRODUCTS	20 BORINGS	ONE PER CHARGE			PRE-INSPECTION	

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

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

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

FENCING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

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

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

FENCING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

ARCHIVED

GEOTEXTILE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TURF REINFORCEMENT MAT SYNTHETIC FIBER 713.12.00.04 NATURAL FIBER 713.12.00.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP OR DATA SHEET			CERTIFICATE OF COMPLIANCE IS REQUIRED FOR ALL EROSION CONTROL THAT CONTAINS STRAW ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOCOMPOSITE DRAIN 716.00.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP			SUBMIT SAMPLE OF MATERIAL TO GEOTECHNICAL SECTION FOR REVIEW

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GEOSYNTHETIC CLAY LINER 716.00.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP			

GEOTEXTILE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 LOT OR BATCH	CERT OF COMP			SUBMIT SAMPLE OF MATERIAL TO GEOTECHNICAL SECTION FOR REVIEW

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SEPARATION GEOTEXTILE MOD SURV 716.02.00.01 HIGH SURV 716.02.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 M ²)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D4751 OPENING SIZE						
	ASTM D4355 DETERIORATION						

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 LOT OR BATCH	CERT OF COMP			QUALIFIED PRODUCTS LIST
	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 M ²)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	ASTM D4751 OPENING SIZE						
	ASTM D4355 DETERIORATION						

GEOTEXTILE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SUBSURFACE DRAIN FILTER - MOD SURV	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP			QUALIFIED PRODUCTS LIST
CLASS A 716.04.00.01	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 M ²)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
CLASS B 716.04.00.02	ASTM D4751 OPENING SIZE						
CLASS C 716.04.00.03	ASTM D4355 DETERIORATION						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SUBSURFACE DRAIN FILTER - HIGH SURV	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP			QUALIFIED PRODUCTS LIST
CLASS A 716.04.00.04	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 M ²)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
CLASS B 716.04.00.05	ASTM D4751 OPENING SIZE						
CLASS C 716.04.00.06	ASTM D4355 DETERIORATION						

GEOTEXTILE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PERMANENT EC - MOD SURV	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP			QUALIFIED PRODUCTS LIST
CLASS A 716.05.00.01	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 M ²)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
CLASS B 716.05.00.02	ASTM D4751 OPENING SIZE						
CLASS C 716.05.00.03	ASTM D4355 DETERIORATION						

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PERMANENT EC - HIGH SURV	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP			QUALIFIED PRODUCTS LIST
CLASS A 716.05.00.04	ASTM D4491 PERMITTIVITY	PER MT 421	ONE PER 10,000 SQ YDS (8,000 M ²)	SAMPLE		TEST	SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
CLASS B 716.05.00.05	ASTM D4751 OPENING SIZE						
CLASS C 716.05.00.06	ASTM D4355 DETERIORATION						

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 LOT OR BATCH	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 LOT OR BATCH	CERT OF COMP			
	DIRECTLY MEASURE OPENING SIZE WITH CALIPERS	3 FT (1 M) X WIDTH	ONE PER 10,000 SQ YD (8,000 M ²)	SAMPLE		TEST	PER GEOGRID SPECIAL PROVISION

GEOTEXTILE

GUARDRAIL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

GUARDRAIL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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	20 BORINGS	ONE PER CHARGE			PRE-INSPECTION	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
NON-WOOD BLOCKOUT	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP VISUAL			
705.01.02.02							

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

JOINT MATERIAL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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
JOINT SEALING MATERIAL 707.01.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
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
SILICONE JOINT SEAL 707.01.02.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			
FABRIC REINFORCED NEOPRENE JOINT SEAL 707.01.02.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			

JOINT MATERIAL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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
ANTENNA	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
ELECTRICAL SUBMITTAL 703.00.00.00	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER PROJECT	DATA SHEET			SEE INDIVIDUAL MATERIALS FOR STEEL REQUIREMENTS
PVC CONDUIT	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER SIZE	DATA SHEET			QUALIFIED PRODUCTS LIST VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
HDPE CONDUIT	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER SIZE	DATA SHEET			QUALIFIED PRODUCTS LIST VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
STEEL CONDUIT	ELECTRICAL ITEM CHECKLIST	N/A	ONE PER LOT	VISUAL			QUALIFIED PRODUCTS LIST VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

LIGHTING, SIGNALS & COMMUNICATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

LIGHTING, SIGNALS & COMMUNICATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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
CABLE	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER LOT	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
SERVICE & CONTROL ASSEMBLY	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
TRAFFIC SIGNAL CABINET	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
TRAFFIC SIGNAL INDICATION	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			QUALIFIED PRODUCTS LIST VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
LED TRAFFIC SIGNAL	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			QUALIFIED PRODUCTS LIST VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
PEDESTRIAN SIGNAL INDICATION	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			QUALIFIED PRODUCTS LIST VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

LIGHTING, SIGNALS & COMMUNICATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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
PEDESTRIAN PUSH BUTTONS	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
LUMINAIRE ASSEMBLY	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
EMERGENCY VEHICLE PREEMPTION	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL
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	20 BORINGS	ONE PER CHARGE		PRE-INSPECTION		
GUYS & ANCHORS	ELECTRICAL ITEM CHECKLIST	1 EACH	ONE PER ITEM	DATA SHEET			VERIFY ITEM SUPPLIED MATCHES APPROVED SUBMITTAL

MAINTENANCE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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	VISUAL DATA SHEET			VISUALLY EVALUATE FOR CONTAMINATION
	*PNS METHOD 13 SALT GRADATION	AIR TIGHT CONTAINER (1 GAL SEALABLE BAG)	AS REQUESTED				*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	SAMPLE	TEST		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	VISUAL DATA SHEET			VISUALLY EVALUATE FOR CONTAMINATION
	*PNS METHOD 13 SALT GRADATION	AIR TIGHT CONTAINER (1 GAL SEALABLE BAG)	AS REQUESTED				*GRADATION - MUST BE HAND SHAKEN
	MT 526 MOISTURE OF PNS SALT			SAMPLE	TEST		TESTING OF MOISTURE CONTENT

MAINTENANCE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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	VISUAL DATA SHEET			VISUALLY EVALUATE FOR CONTAMINATION
	*PNS METHOD 13 SALT GRADATION	AIR TIGHT CONTAINER (1 GAL SEALABLE BAG)	AS REQUESTED				*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	SAMPLE	TEST		TESTING OF MOISTURE CONTENT

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

MAINTENANCE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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						

MAINTENANCE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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						C.R. = CORROSION RATE
	MT 502 CHEMICAL ANALYSIS					TEST	
	MT 504 CYANIDE						

MAINTENANCE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

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

MAINTENANCE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

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

MAINTENANCE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD MAINT	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CORROSION INHIBITOR MT 6	CERT/ VISUAL INSPECTION	1 EACH	ONE PER TRUCK LOAD	DATA SHEET			
	MT 408 SAMPLING LIQUID DEICING MATERIAL	1 GALLON	ONE SAMPLE FOR EVERY 100,000 GALLONS	SAMPLE			
	MT 501 pH INSOLUBLE MTRL C.R. TOTAL SETTLEABLE SOLIDS PERCENT PASSING #10 SIEVE					TEST	C.R. = CORROSION RATE
	MT 502 CHEMICAL ANALYSIS						
	MT 504 CYANIDE						

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

MISCELLANEOUS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

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

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL TIMBER AND LUMBER	CERT/ VISUAL INSPECTION	N/A	ONE PER CHARGE	VISUAL			VERIFY SEAL NUMBERS CORRESPOND WITH PRE-INSPECTION RECORDS
706.01.00.01	MT 404 INSPECTING WOOD PRODUCTS	20 BORINGS	ONE PER CHARGE			PRE-INSPECTION	

MISCELLANEOUS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
BITUMINOUS COATINGS 709.04.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			
STEEL STRUCTURE PAINT 710.01.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			SUBMIT CERT OF COMP WHEN REQUIRED PER SPECIFICATION 710.02 CATTLE GUARDS REQUIRE VISUAL INSPECTION ONLY
POWDER COATING 710.03.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	CERT OF COMP			
ANTI-GRAFFITI COATING 710.04.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
MISCELLANEOUS MATERIAL ACCEPTED ON CERT 713.00.00.00	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SOURCE	CERT OF COMP OR DATA SHEET			CERTIFICATION OF COMPLIANCE IF REQUIRED BY CONTRACT PROVISIONS
WATER FOR CONCRETE 713.01.00.01	CERT/ VISUAL INSPECTION	N/A	ONE PER SOURCE	VISUAL			
	AASHTO M 157 READY MIX CONCRETE	1 QT (1 LITER)	ONE PER SOURCE			TEST	SAMPLE REQUIRED ONLY IF NON-POTABLE SOURCE

MISCELLANEOUS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HYDRATED LIME 713.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER GRIND/BIN/SHIPMENT	DATA SHEET			QUALIFIED PRODUCTS LIST
	MT 201 SAMPLING	5 LBS (3 KG)	ONE PER PROJECT/ CONTRACT	SAMPLE			SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	AASHTO M 303 LIME FOR ASPHALT MIXTURES					TEST	
AASHTO T 219 CHEMICAL ANALYSIS OF HYDRATED LIME	50 GRAM (2 OZ) AIRTIGHT				SAMPLE TEST		

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
MAGNESIUM CHLORIDE 713.03.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOAD	DATA SHEET			QUALIFIED PRODUCTS LIST
	MT 408 SAMPLING LIQUID DEICING MATERIAL	1 PINT (500 mL)	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 (500 mL)	ONE PER PROJECT				SAMPLE REQUIRED ONLY IF NOT ON THE QUALIFIED PRODUCTS LIST
	MT 502 CHEMICAL ANALYSIS					SAMPLE TEST	

MISCELLANEOUS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (0.03 M3)	TWO SETS OF THREE CUBES PER EACH DAYS POUR	SAMPLE			
	AASHTO T 106 COMPRESSIVE STRENGTH OF MORTARS					TEST	

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

PAVEMENT MARKINGS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
TEMPORARY PAINT 714.03.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
WATERBORNE PAINT 714.04.00.01	CERT/ VISUAL INSPECTION	1 QT (1 LITER) IN PLASTIC BOTTLE	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
HIGH DURABLE WATERBORNE PAINT 714.05.00.01	CERT/ VISUAL INSPECTION	1 QT (1 LITER) IN PLASTIC BOTTLE	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
EPOXY PAINT 714.06.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
EPOXY PAINT 714.06.00.01	SPEC TABLE 714-4 EPOXY PAINT COMPOSITION	1 QT (1 LITER) OF EACH PIGMENT IN PLASTIC BOTTLES	AS REQUESTED	SAMPLE		TEST	ONE QUART (LITER) SAMPLE OF BOTH PIGMENT (COLOR) AND RESIN (CATALYST) WILL BE TAKEN FROM THE THOROUGHLY MIXED CONTENTS OF A STRIPING MACHINE
PREFORMED PLASTIC 714.07.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER TYPE	DATA SHEET			
PREFORMED PLASTIC 714.07.00.01	ASTM D638 TENSILE PROPERTIES	4" X 1' (100 mm x 300 mm)	ONE PER TYPE	SAMPLE		TEST	

PAVEMENT MARKINGS

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REFLECTIVE GLASS BEADS	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT OR BATCH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
MT TYPE 1 714.08.00.01	AASHTO T 346 SAMPLING GLASS BEADS	1 QT (1 LITER)	<u>CONSTRUCTION</u> ONE PER PROJECT <u>MAINTENANCE</u> AS REQUESTED	SAMPLE		TEST	SAMPLE FROM BULK CONTAINER WITH THIEF/PROBE IN ACCORDANCE WITH AASHTO T 346. SAMPLE THIEF/PROBE MAY NOT FILL SAMPLE BOTTLES. WHEN SAMPLING FROM A BULK CONTAINER IS NOT POSSIBLE, SAMPLES MAY BE COLLECTED FROM THE BEAD GUN ON THE TRUCK.
MT TYPE 2 714.08.00.02	AASHTO PP 74 GRADATION AND ROUNDNESS OF GLASS BEADS						

PILE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PILE DRIVING POINT 559.02.03.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PILE CUTTING SHOE 559.02.03.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PRODUCT	CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL STEEL PILES 711.10.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	CERT OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #. IF RECYCLED MATERIAL, BUY AMERICA CATEGORY 2 REQUIREMENTS APPLY
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			RECYCLED MATERIAL MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

PILE

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

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PIPES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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	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	VISUAL			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	MONTHLY			PRE-INSPECTION	PLANTS NEED TO BE INSPECTED MONTHLY

PIPES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CONCRETE PRESSURE PIPE 708.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER PROJECT	VISUAL			PRE-INSPECTION IS NOT REQUIRED IF ITEM IS PRODUCED AT A CERTIFIED PLANT (QPL)
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 110 RCP AND ASSOCIATED ITEMS	N/A	MONTHLY			PRE-INSPECTION	PLANTS NEED TO BE INSPECTED MONTHLY, INCLUDING CERTIFIED PLANTS

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

PIPES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL WATER PIPE 709.01.02.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	DATA SHEET OR CERT OF COMP VISUAL			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
CORRUGATED STEEL PIPE 709.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STEEL STRUCTURAL PLATE PIPE 709.03.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PRECOATED CORRUGATED STEEL PIPE 709.05.00.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	DATA SHEET VISUAL			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

PIPES

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 PC 3	MT 207 WATER CORROSION	1 QT (1 LITER)	PROBABLE, PROPOSED OR EXISTING CENTERLINE OF PIPE, CHANNEL BOTTOM, BRIDGE LOCATIONS AND PROBABLE BORROW AREAS		SAMPLE	TEST	
	MT 232 SOILS CORROSION	5 LB (3 KG)			SAMPLE	TEST	

PLANT MIX PAVEMENT

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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
RECYCLING AGENT 401.02.05.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

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PLANT MIX PAVEMENT

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
PLANT MIX SURFACING	MT 303 SAMPLING BITUMINOUS PAVING MIXTURES	SUFFICIENT QUANTITY IN 2-10 QUART (9.5 LITER) GALVANIZED BUCKETS	ONE EVERY 1000 TONS (MT) OF PLANT MIX PAVEMENT		SAMPLE TEST		
	AASHTO R 47 REDUCING SAMPLES		ONE EVERY 2000 TONS (MT) OF PLANT MIX PAVEMENT WITH A MINIMUM OF ONE SAMPLE FOR PROJECTS OVER 500 TONS (MT) (NO TESTS ARE REQUIRED FOR CONTRACTS UNDER 500 TONS (MT))				
	AASHTO T 329 MOISTURE CONTENT		MINIMUM ONE PER DAY				
	AASHTO T 166 BULK SPECIFIC GRAVITY						
	MT 319 BINDER CONTENT BY IGNITION METHOD		ONE EVERY 1000 TONS (MTONS) OF PLANT MIX PAVEMENT				
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS		ONE EVERY 2000 TONS (MT) OF PLANT MIX PAVEMENT WITH A MINIMUM OF ONE SAMPLE FOR PROJECTS OVER 500 TONS (MT) (NO TESTS ARE REQUIRED FOR CONTRACTS UNDER 500 TONS (MT))	TEST			
	MT 321 RICE SPECIFIC GRAVITY						
	MT 332 GYRATORY COMPACTION						
	MT 334 HAMBURG WHEEL- TRACK	45 LBS (20 KG)	ONCE INITIAL JOB MIX TARGETS ARE ESTABLISHED OR FOR START-UP MIX WITH TEST RESULTS OUTSIDE THE BROADBAND LIMITS		SAMPLE	TEST	ADDITIONAL SAMPLES MAY BE TAKEN AT EPM'S DISCRETION
	MT 335 LINEAR KNEADING COMPACTION						
	DENSITY BY CORE	2 - 4" CORES	ONE EVERY 600 TONS (MT) PMP	SAMPLE	TEST		SPECIAL PROVISION SECTION 401.03.21
	MT 602 FINAL RECORD	2 CORES	PER TWO LANE MILE TAKEN AT 1/2 MILE (1 KM) INTERVALS		SAMPLE TEST		

PLANT MIX PAVEMENT

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	INDEPENDENT ASSURANCE (PROCEDURAL CHECK)			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	AASHTO R 47 REDUCING SAMPLES						
	AASHTO T 166 BULK SPECIFIC GRAVITY						
PLANT MIX SURFACING GRADE S (3/4") 401.03.00.01	MT 319 BINDER CONTENT BY IGNITION METHOD	N/A	ONCE PER PROJECT		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB OR MDT HQ LAB
GRADE S (1/2") 401.03.00.02	MT 320 IGNITION OVEN AGGREGATE ANALYSIS						
GRADE S (3/8") 401.03.00.03	MT 321 RICE SPECIFIC GRAVITY						
	MT 332 GYRATORY COMPACTION						

PLANT MIX PAVEMENT

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	Mix Design		FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES			
	MT 201 SAMPLING			SAMPLE					
	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								
PLANT MIX SURFACING	ASTM D4791 FLAT & ELONGATED PARTICLES								
GRADE S (3/4") 401.03.00.01	AASHTO T 84 SPECIFIC GRAVITY FINE AGG	800 LBS (636 KG)	ONE PER PLANT MIX DESIGN VERIFICATION		TEST				
GRADE S (1/2") 401.03.00.02	AASHTO T 85 SPECIFIC GRAVITY COARSE AGG								
	AASHTO R 47 REDUCING SAMPLES								
GRADE S (3/8") 401.03.00.03	AASHTO T 166 BULK SPECIFIC GRAVITY								
	MT 321 RICE SPECIFIC GRAVITY								
	MT 332 GYRATORY COMPACTION								
	MT 334 HAMBURG WHEEL-TRACK								
	MT 335 LINEAR KNEADING COMPACTION								
	MT 319 BINDER CONTENT BY IGNITION METHOD								
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS								
									USED FOR PLANT MIX DESIGNS CONTAINING RAP

PLANT MIX PAVEMENT

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (9 KG)	ONE EVERY 600 TONS (MT) 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		
INDEPENDENT ASSURANCE (PROCEDURAL CHECK)				FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	AASHTO R 47 REDUCING SAMPLES	N/A	ONCE PER PROJECT		CHECK	CHECK	PROCEDURAL CHECK MAY BE PERFORMED BY THE DISTRICT/AREA LAB OR MDT HQ LAB
	MT 319 BINDER CONTENT BY IGNITION METHOD						
	MT 320 IGNITION OVEN AGGREGATE ANALYSIS						

PLANT MIX PAVEMENT

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (363 KG)	ONE PER PLANT MIX SEAL COURSE MIX DESIGN		SAMPLE		
	MT 202 SIEVE ANALYSIS						
	AASHTO T 84 SPECIFIC GRAVITY FINE AGG						
	AASHTO T 85 SPECIFIC GRAVITY COARSE AGG						
	AASHTO T 89 LIQUID LIMIT						
	AASHTO T 90 PLASTIC LIMIT & PLASTICITY INDEX						
	AASHTO T 96 LOS ANGELES ABRASION					TEST	
	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

PLANT MIX PAVEMENT

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
COLD RECYCLING ASPHALT EMULSION 405.02.00.01	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
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 (1 KG) MOISTURE PROOF CONTAINER	ONE EVERY 3000 FT PAVER PATH	SAMPLE	TEST		
	Mix Design			FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
	CERT/ VISUAL INSPECTION	1 EACH	ONE PER COLD RECYCLED PLANT MIX DESIGN	MIX DESIGN		APPROVAL	CERTIFICATION IS THE CONTRACTOR'S MIX DESIGN

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
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 PC5	MT 232 SOILS CORROSION	5 LB (3 KG)	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 PC6	MT 331 SAMPLING & EVALUATING STRIPPING PAVEMENTS	1 EACH	SEE MT 331		SAMPLE	TEST	

REVEGETATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

REVEGETATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

SIGNING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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			
STEEL SIGN POSTS 704.01.04.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
STRUCTURAL STEEL SIGN POSTS 704.01.04.02	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
BREAKAWAY DEVICES 704.01.04.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
TREATED WOOD POSTS & POLES 704.01.06.01	CERT/ VISUAL INSPECTION	N/A	ONE PER LOT/BATCH	VISUAL			VERIFY SEAL NUMBERS CORRESPOND WITH PRE-INSPECTION RECORDS
	MT 404 INSPECTING WOOD PRODUCTS	20 BORINGS	ONE PER CHARGE			PRE-INSPECTION	

SIGNING

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 #

STEEL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
REBAR GRADE 40 711.01.01.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
GRADE 60 711.01.01.02	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
GRADE 75 711.01.01.03							

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
SMOOTH DOWEL BAR GRADE 40	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	DATA SHEET			ACCEPTANCE ONLY FROM THE QUALIFIED PRODUCTS LIST
711.01.01.04	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

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

STEEL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (2 - 1 M)	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 (2 - 1 M)	ONE TEST PER BAR SIZE	SAMPLE		TEST	

STEEL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL STEEL 711.02.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	DATA SHEET OR CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT # REQUIRED ONLY IF MATERIAL HAS NOT BEEN PRE-INSPECTED
	MT 415 STRUCTURAL STEEL	1 EACH	ONE PER ITEM			PRE-INSPECTION	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL STEEL TUBING 711.03.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	DATA SHEET OR CERT OF COMP			IF WELDING OCCURS, CERTIFICATE OF COMPLIANCE IS SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 624.03.3
	STEEL CERT CATEGORY 1	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION FOR EACH HEAT #

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
HIGH TENSILE STRENGTH BOLTS 711.06.00.01	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
	MT 407 HIGH STRENGTH BOLTS	3 BOLT ASSEMBLIES	ONE TEST PER GRADE, DIAMETER, LENGTH, AND LOT	SAMPLE		TEST	

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
GALVANIZED METAL 711.08.00.01	CERT/ VISUAL INSPECTION	1 EACH	ONE TEST PER LOT/BATCH	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

STEEL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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 (3 M)	ONE TEST PER LOT	SAMPLE		TEST	

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

STEEL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
STRUCTURAL ANCHOR BOLTS	CERT/ VISUAL INSPECTION	1 EACH	ONE PER ITEM	DATA SHEET			
711.13.00.01	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
MECHANICAL REBAR	CERT/ VISUAL INSPECTION	1 EACH	ONE PER SHIPMENT	DATA SHEET			
CONNECTORS 711.18.00.01	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
HIGH STRENGTH WIRE ROCKFALL MESH	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	DATA SHEET			
711.21.00.01	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
GABION BASKETS - WIRE AND WIRE MESH	CERT/ VISUAL INSPECTION	1 EACH	ONE PER LOT/ITEM	DATA SHEET OR CERT OF COMP			
711.21.00.02	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

STREAM PRESERVATION

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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

MATERIAL/ MATERIAL CODE	TESTS	SAMPLE SIZE	SAMPLE/TEST FREQUENCY	FIELD	DISTRICT/ AREA LAB	MDT HQ LAB	NOTES
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, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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			
GLUE LAMINATED BEAMS BM.699.01.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER BEAM	DATA SHEET			
INSULATION BM.699.01.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
METAL ROOFING BM.699.01.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09
METAL SIDING & SOFFIT BM.699.01.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
	STEEL CERT CATEGORY 2	1 EACH	ONE PER FORM 406	FORM 406			MANDATORY SUBMITTAL OF DOCUMENTATION PER SPECIFICATION 106.09

BUILDING MATERIALS

STRUCTURE MATERIAL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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			
QUARRY TILE BM.699.01.07	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
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
INTERIOR/ EXTERIOR BUILDING TAPE & PAINT BM.699.01.09	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

MDT MATERIALS SAMPLING, TESTING, AND ACCEPTANCE GUIDE
BUILDING MATERIALS

STRUCTURE MATERIAL

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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	ONE PER 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, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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			
PICNIC TABLES (NON PRECAST) BM.699.04.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
TRASH RECEPTACLES (NON PRECAST) BM.699.04.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
FIRE EXTINGUISHERS & CABINETS BM.699.04.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
FLAG POLES (ALUMINUM) BM.699.04.05	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
TOILET ROOM ACCESSORIES BM.699.04.06	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	VISUAL			

MDT MATERIALS SAMPLING, TESTING, AND ACCEPTANCE GUIDE
BUILDING MATERIALS

DOOR/DISPLAY

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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			
DISPLAY CASES BM.699.05.02	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			
HOLLOW METAL DOORS & FRAMES BM.699.05.03	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	VISUAL			
OVERHEAD GARAGE DOORS BM.699.05.04	CERT/ VISUAL INSPECTION	1 EACH	ONE PER EACH	DATA SHEET			

BUILDING MATERIALS

SCALE SITE SPECIFIC

SPECIALS, SUPPLEMENTAL AND STANDARD SPECS, DETAILED DWGS

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			