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## SECTION 270.00 – MINIMUM TESTING REQUIREMENTS

The following tables outline the minimum testing and acceptance requirements for materials incorporated into ITD construction projects and are a part of the ITD Quality Assurance Program. The tables apply to the sampling and testing of material characteristics not specified as accepted by statistical procedures. For material characteristics accepted by statistical procedures, the acceptance requirements are included in Table 106.03-1 of the Quality Assurance (QA) Special Provision. On projects containing the QA Special Provision (QC/QA projects), the minimum testing requirements outlined herein apply for all material characteristics not included in Table 106.03-1 of the QA Special Provision.

The requirements outlined herein are the established minimum acceptance requirements for materials used in standard applications and paid for under standard bid items. For special provision items, material used in non-standard, non-roadway or temporary applications or small quantities of materials alternative materials acceptance requirements will be determined as discussed herein or as specified in the contract documents.

Minimum testing frequencies are included in the tables. These frequencies may be reduced by change order with the concurrence of the District Materials Engineer and HQ Quality Assurance Engineer for materials with a history of uniform test results and exhibiting good quality material. The Engineer may elect to increase testing frequency at any time. Testing frequency should be increased when accepting material from newly developed sources or those with a wide range of results.

**270.01 Content of the MTR Tables.** The MTR tables are organized by Standard Specification Section. For each material listed, the testing and acceptance requirements are included. The tables also include ITD specification references and test methods. The tables indicate who is responsible for sampling and testing for each material. The required report form numbers columns include forms related to materials acceptance that are the responsibility of the project personnel. Some reports generated as a result of HQ testing are included and indicated as a Lab Report.

The *minimum required frequency* columns list the maximum quantity, and fractions of a quantity of material that can be represented by a single test. For example, a frequency of “Each 500 m<sup>3</sup>” for gradation indicates that there must be one gradation test located within each 500 cubic meters of material accepted. Testing for each item and material must be distributed throughout the project to represent the total quantity of material accepted.

There are three types of testing listed in the *purpose of testing* columns: Acceptance, Verification and Independent Assurance. Acceptance of material is by one or a combination of the following as indicated in the MTR tables:

- acceptance testing performed by the State
- certification
- certification with quality control or other test results provided by the supplier or manufacturer
- pretesting by the State
- inspection by the State and
- laboratory testing by the State

For some materials, verification testing is indicated and is in addition to materials acceptance. Verification testing is typically performed by the HQ Central Laboratory and is used to verify manufacturer’s certifications.

Independent assurance requirements are also included in the tables. The Independent Assurance Program is described in detail in [Section 300.00](#).

The *remarks, notes or additional directions* columns of the tables specify the location of acceptance, references to sections of the manual, small quantity exceptions, and other notes and remarks as applicable.

**270.02 Source Approval.** Materials source approval requirements and associated quality testing, such as Idaho Degradation, LA Abrasion and Ethylene Glycol testing, are not included in the tables. All fill and aggregate materials imported from off the project must be obtained from approved materials sources. [Section 265.00](#) provides an overview of the materials source approval process.

**270.03 Obviously Defective Material.** Based on inspection and without regard for testing frequency, the Engineer may isolate and reject obviously defective material.

**270.04 Acceptance of Small Quantities.** The Department may accept small quantities of certain materials without sampling and testing. The determination to accept materials using this provision rests solely with the Engineer. The Engineer may elect to sample and test small quantities at any time. The following materials are not eligible for small quantity acceptance:

- Materials that are accepted by manufacturer's certification. Manufacturer's certifications must be provided for all quantities of material accepted by certification.
- Concrete with a specified strength of greater than 3000 psi.
- Paving on the Interstate, with quantities above 100 ton including median crossovers.

Material can be accepted as a small quantity if the estimated plan quantity is less than the minimum testing frequency. The following minimum requirements must be met and documented when using small quantity acceptance:

- Aggregates must be obtained from approved materials sources.
- A mix design must be submitted, reviewed and approved by the Engineer prior to use for plant mix pavement and concrete items.
- Visual inspection of the materials during installation, placement or compaction.
- For small quantities of traveled way paving, intersection paving or paving at intersection radiuses, cores are required in accordance with [Standard Specification 405.03L](#) for in-place density acceptance. Small quantity pavement applications that do not require cores for in-place density acceptance include small patches, utility repairs, and pavement placed outside the traveled way.

The basis for acceptance of the material must be documented. Documentation will be by file memo and will be included in the daily diary or will be on field or test reports. A brief statement summarizing the basis for acceptance must be included in the Materials Summary Report submitted at the end of the project. Examples of basis for small quantity acceptance are as follows:

- Satisfactory test results on the same material from a recent or concurrent project.
- Visual inspection of the materials and installation.
- Material Certification (ITD-851) with supporting QC or manufacturer's test results where applicable.
- The use of sufficient compaction effort and equipment, as determined by the Engineer.

Sampling and laboratory verification testing may be waived for the following items when the quantity of material is equal to or less than that indicated below:

Asphalt (Emulsified)	2000 gallons; 7600 liters (8 tons)
Asphalt (PG Binder)	22 Tons (20 t)
Cement, Lime, Fly ash	40 cubic yards of concrete placed
Geotextiles	600 square yards (500 square meters)

**270.05 Non-standard Acceptance of Materials.** Acceptance requirements will be determined on a case by case basis for the following regardless of the quantity:

- material not permanently incorporated into the project (temporary detours, etc.),
- when sampling and testing per the standard requirements is not applicable due to the application or use of the material,
- when sampling and testing per the standard requirements is not applicable due to the sequence of placement

Some examples of non-standard applications are:

- driveways
- field approaches
- mailbox turnouts
- asphaltic ditches and slopes
- material behind guardrail and for guardrail terminals
- asphaltic sidewalk and curb

The Engineer, in consultation with the District Materials Engineer, will develop a written acceptance plan that identifies the non-standard acceptance criteria prior to incorporating the material.

For numerous fractions of an item, such as short pipe extensions, where the required minimum frequency of testing is not practical, a written acceptance plan can be developed to replace some of the testing with visual inspection. The plan must be approved prior to incorporating the material.

The minimum requirements listed for small quantities (Section 270.04) must be met (i.e. approved sources, mix designs approval, inspection and cores for mainline and intersection paving). The documentation requirements for materials acceptance will be the same as those outlined for small quantity acceptance.

**270.06 Special Provision Items.** A Special Provision pay item may include multiple different materials, all of which require acceptance. When the materials acceptance requirements for a special provision item are not included in the contract the acceptance requirements for each material incorporated will be determined based on the following criteria:

- When the material is included in the MTR tables and is being used in a standard application, the MTR table acceptance requirements will be used.
- When the material is not included in the MTR tables or is not being used in a standard application, acceptance requirements will be determined by the Engineer, in consultation with the District Materials Engineer.
- When the material is required by the contract to meet a given specification, such as an ASTM or AASHTO specification, at minimum, acceptance of material will require a manufacturer's certification in accordance with [Section 230.00](#).

A brief statement summarizing the basis for acceptance must be included in the Materials Summary Report submitted at the end of the project.

**270.07 Change Order Items.** A Change Order can include material to be paid for under standard pay items or can establish nonstandard pay items. For standard pay items, the MTR tables will apply.

Acceptance requirements for nonstandard items will be determined based on the following criteria:

- When the material is included in the MTR tables and is being used in a standard application, the MTR table acceptance requirements will be used. This would include a change order that is paid by lump sum and includes materials covered in the MTR tables.
- When the material is not included in the MTR tables or is not being used in a standard application, acceptance requirements will be determined by the Engineer, in consultation with the District Materials Engineer.
- When the material is required by the change order or by reference to meet a given specification, such as an ASTM or AASHTO specification, at minimum, acceptance of material will require a manufacturer's certification in accordance with [Section 230.00](#).

A brief statement summarizing the basis for acceptance must be included in the Materials Summary Report submitted at the end of the project.

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
TYPE OF CONSTRUCTION		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 205 EXCAVATION AND EMBANKMENT</b>						
Excavation, Class C Compaction Excavated to top of subgrade or below	ACCEPTANCE In-Place Density (1)	205.03 (E)	AASHTO T 99 AASHTO T 180 AASHTO T 224 AASHTO T 272 Idaho IT-74 AASHTO T 310 Method B	ITD-850	Each 5000 SY.	Obtain check tests within 10 feet (3m) and at same depth as original test.
		ITD Project Personnel	ITD Project Personnel			
Natural ground under embankments	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	Observation one(1) per project	
Excavation  Subgrade Embankment Fill	ACCEPTANCE In-Place Density (1)	205.03 (E)	AASHTO T 99 AASHTO T 180 AASHTO T 224 AASHTO T 272 Idaho IT-74 AASHTO T 310 Method B	ITD-850	Each 2,500 CY or 4,000 tons (2000 m <sup>3</sup> or 3500 t), but not less than one (1) test per lift for each bottom 3 and each top 3 lifts and 1 test every 2500 CY or 4000 tons in between.	Obtain check tests within 10 feet (3m) and at same depth as original test. Document compaction effort (equipment, number of passes etc.) for lifts not tested.
		ITD Project Personnel	ITD Project Personnel			
		INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	Observation one(1) per project
(1) Gradation to verify material is too granular to test and the compaction effort must be documented on the ITD-850 including equipment and roller passes, at the same frequency as the required density acceptance.						

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
TYPE OF CONSTRUCTION		SAMPLED BY	TESTED BY			
Borrow  Subgrade Embankment Fill	ACCEPTANCE In-Place Density (1)	205.03 (E)	AASHTO T 99 AASHTO T 180 AASHTO T 224 AASHTO T 272  Idaho IT-74 AASHTO T 310 Method B	ITD-850	Each 2,500 CY or 4,000 tons (2000 m <sup>3</sup> or 3500 t) but not less than one (1) test per lift for each bottom 3 and each top 3 lifts and 1 test every 2500 CY or 4000 tons in between.	Obtain check tests within 10 feet (3m) and at same depth as original test. Document compaction effort (equipment, number of passes etc.) for lifts not tested.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	Observation one(1) per project	
Granular Borrow  Subgrade Embankment Fill	ACCEPTANCE In-Place Density (1)	205.03 (E)	AASHTO T 99 AASHTO T 180 AASHTO T 224 AASHTO T 272  Idaho IT-74 AASHTO T 310 Method B	ITD-850	Each 5000 CY but not less than one test per lift for each bottom 3 and each top 3 lifts and 1 test every 5000 CY in between.	Obtain check tests within 10 feet (3m) and at same depth as original test. Document compaction effort (equipment, number of passes etc.) for lifts not tested.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	Observation one (1) per project	
	ACCEPTANCE Sand Equivalent	205.02	AASHTO T 176 Method 2	ITD-901	Each 10,000 CY (7500 m <sup>3</sup> )	Sand equivalent requirements do not apply to Recycled Asphalt Pavement (RAP) used as granular borrow.
ITD Project Personnel	ITD Project Personnel					
	INDEPENDENT ASSURANCE Sand Equivalent	IA Inspector	IA Inspector	ITD-857	Each 200,000 CY (150,000 m <sup>3</sup> )	
Soft Spot Repair	ACCEPTANCE In-Place Density (1)	205.03 (D)	AASHTO T 99 AASHTO T 180 AASHTO T 224 AASHTO T 272  Idaho IT-74 AASHTO T 310 Method B	ITD-850	Each repair area or combination of areas but not less than each 150 SF	
		ITD Project Personnel	ITD Project Personnel			

(1) Gradation to verify material is too granular to test and the compaction effort must be documented on the ITD-850 including equipment and roller passes, at the same frequency as the required density acceptance.

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
TYPE OF CONSTRUCTION		SAMPLED BY	TESTED BY			
STANDARD SPECIFICATION SECTION: <b>209 – SMALL DITCHES</b>						
Small Ditches  When constructed upon dikes	ACCEPTANCE In-Place Density	205.03 209.03	AASHTO T 99 AASHTO T 180 AASHTO T 224 AASHTO T 272  Idaho IT-74 AASHTO T 310 Method B	ITD-850	One (1) per project	Testing required only when constructed upon dikes per Standard Specification Subsection 209.03.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	Observation one (1) per project	

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
TYPE OF CONSTRUCTION		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 210 – COMPACTING BACKFILL</b>						
Compacting Backfill (Structure Backfill)	ACCEPTANCE In-Place Density (1)	210.03	AASHTO T 99 AASHTO T 180 AASHTO T 224 AASHTO T 272 Idaho IT-74 AASHTO T 310 Method B	ITD-850	Each 2,500 CY or 4,000 tons (2000 m <sup>3</sup> or 3500 t) for each structure component. Abutments for Bridge approach slabs not less than one test per 8in compacted lift.	Document compaction effort for each lift.  Obtain check tests within 10 feet (3m) and at same depth as original test.  See QA Manual Section 275 for AASHTO T310.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	Observation one (1) per project	
Compacting Backfill (Pipe Backfill)	ACCEPTANCE In-Place Density (1)	210.03	AASHTO T 99 AASHTO T 180 AASHTO T 224 AASHTO T 272 Idaho IT-74 AASHTO T 310 Method B	ITD-850	Each 200 LF of pipe installed, but no less than one (1) test per pipe installed.	See QA Manual Section 275 for AASHTO T310.  A pipe is considered the total continuous length as shown on the project pipe summary sheet.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	Observation one (1) per project	
Compacting Backfill (Retaining Wall Backfill)	ACCEPTANCE In-Place Density(1)	210.03	AASHTO T 99 AASHTO T 180 AASHTO T 224 AASHTO T 272 Idaho IT-74 AASHTO T 310 Method B	ITD-850	Each 2,500 CY or 4,000 Tons (2000 m <sup>3</sup> or 3500 t)	Document compaction effort for each lift.  Obtain check tests within 10 feet (3m) and at same depth as original test.  See QA Manual Section 275 for AASHTO T310.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	Observation one (1) per project	
(1) Gradation to verify material is too granular to test and the compaction effort must be documented on the ITD-850 including equipment and roller passes, at the same frequency as the required density acceptance.						

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
TYPE OF CONSTRUCTION		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 212 – EROSION AND SEDIMENT CONTROL</b>						
Slope Drain	ACCEPTANCE Certification	212.03 (B) 706		ITD-914 (Steel)	Total Quantity Paid	See QA Manual Section 230.00
		Manufacturer	Manufacturer	ITD-851 (All other material)		
Fiber Wattles	ACCEPTANCE Certification	711.20		ITD-851	Total Quantity Paid	Certified noxious weed-free grain straw.
		Manufacturer	Manufacturer			
Sediment Trap	ACCEPTANCE (Erosion Control Geotextile) Certification	212.03 (B4)		ITD-849	Total Quantity Paid	See QA Manual Section 230.09
		Manufacturer	Manufacturer			
	VERIFICATION (Erosion Control Geotextile) Laboratory Test	212.03 (B4)		ITD-1044 (Sample Data)		No Samples required for quantities less than 600 SY (500 m <sup>2</sup> )
		ITD Project Personnel	ITD Central Lab	ITD-1047 (Lab Report)		
Silt Fence	ACCEPTANCE Certification	212.03 (B3) 718.09		ITD-849	Total Quantity Paid	See QA Manual Section 230.09
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Test	212.03 (B3) 718.09		ITD-1044 (Sample Data)		No samples required for quantities less than 500 linear feet (150 m)
		ITD Project Personnel	ITD Central Lab	ITD-1047 (Lab Report)		
Diversion Channels and Ditches	ACCEPTANCE Inspection	212.03 (B5)		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
		No sample required	No testing required			
	ACCEPTANCE Certification	212.03 (B5)		ITD-849 (When Erosion Control Geotextile used)	Total Quantity Paid	See QA Manual Section 230.09
		Manufacturer	Manufacturer			
VERIFICATION Laboratory Test	212.03 (B5)		ITD-1044 (Sample Data)		No Samples required for quantities less than 600 SY (500 m <sup>2</sup> )	
	ITD Project Personnel	ITD Central Lab	ITD-1047 (Lab Report)			
Dikes and Berms	ACCEPTANCE Inspection	212.03 (B6)		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
		No sample required	No testing required			

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
TYPE OF CONSTRUCTION						
Open-top Culvert	ACCEPTANCE Inspection	212.03 (B7)		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
		No sample required	No testing required			
Waterbar	ACCEPTANCE Inspection	212.03 (B8)		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
		No sample Required	No testing Required			
Siltation Berm	ACCEPTANCE Inspection	212.03 (B8)		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
		No sample Required	No testing Required			
Stabilized Construction Entrance	ACCEPTANCE Inspection	212.03 (B8)		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
		No sample Required	No testing Required			
	ACCEPTANCE (Erosion Control Geotextile) Certification	212.03 (B11)	Manufacturer	Manufacturer	ITD-849	Total Quantity Paid
Soil Binder	ACCEPTANCE Certification	212.03 (B13)		ITD-851	Total Quantity Paid	Certification of non-toxic properties
		Manufacturer	Manufacturer			
Gabion	ACCEPTANCE Inspection	212.03		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
		No sample required	No testing required			
	ACCEPTANCE (Wire Mesh) Certification	715.01		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
	ACCEPTANCE (Joints) Certification	715.05		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
Manufacturer		Manufacturer				
ACCEPTANCE (Fill Materials) Inspection	715.06		ITD-25 (Standard Diary)			
ACCEPTANCE (Geotextile)	FOLLOW STANDARD SPECIFICATION SECTION 640					

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
TYPE OF CONSTRUCTION		SAMPLED BY	TESTED BY			
Gabion (Continued)	ACCEPTANCE (Backfill) In-place Density	210.03 212.03 (B)	AASHTO T 99 Method C or D AASHTO T 310 Method B	ITD-850	Each 2,500 CY or 4,000 Tons (2000 m <sup>3</sup> or 3500 t)	Document compaction effort for each lift.  Obtain check tests within 10 feet (3m) and at same depth as original test.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	One (1) observation per project	
Revet Mattress	ACCEPTANCE (Erosion Control Geotextile) Certification	718		ITD-849	Total Quantity Paid	See QA Manual Section 230.09
		Manufacturer	Manufacturer			
	VERIFICATION (Erosion Control Geotextile) Laboratory Test	212.03 (C2)		ITD-1044 (Sample Data) ITD-1047 (Lab Report)	One (1) sample per lot	No Samples required for quantities less than 600 SY (500 m <sup>2</sup> )
Stone Filter Berms/Dams	ACCEPTANCE Inspection	212.03 (C3) Permanent Measures		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
		No sample required	No testing required			
Sediment Basin	ACCEPTANCE Inspection	212.03 (C4) Permanent Measures		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
		No sample required	No testing required			

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
STANDARD SPECIFICATION SECTION: <b>301- GRANULAR SUBBASE</b>						
Aggregate	ACCEPTANCE	301.02 703.11	AASHTO T 2 AASHTO T 248 AASHTO T 27 AASHTO T 255 AASHTO T 265	ITD-901	Each 5,500 Tons (5000 t)	Acceptance from windrow or roadway.
	Gradation(1) Sand Equivalent		AASHTO T 176 Method 2, Mechanical			Wash method not required.
			ITD Project Personnel	ITD Project Personnel		
	INDEPENDENT ASSURANCE					
	Gradation Sand Equivalent	IA Inspector	IA Inspector	ITD-857	Each 110,000 Tons (100,000 t)	
(1) The test sample mass for sieve analysis will be determined using the nominal maximum size of the tested material according to AASHTO T27, except the maximum test sample mass, after reduction, will not be greater than 65 lbs.						
Compacted Roadway	ACCEPTANCE	301.02	Idaho IT-74 AASHTO T180 AASHTO T 310 Method B	ITD-850	Each 5,500 Tons (5000 t )	Contractor is responsible to provide Idaho IT 74 density curve.
	In-Place Density		ITD Project Personnel			
		INDEPENDENT ASSURANCE				
	In-Place Density	IA Inspector	IA Inspector	ITD-857	One (1) observation per project	
Reclaimed Asphalt Pavement	ACCEPTANCE	301.02	Visual Inspection	ITD-25 Standard Diary	Each 5,500 Tons (5000 t )	
	ACCEPTANCE	301.03	WAQTC TM8 modified	ITD-25 Standard Diary	Each 7200 SY (6000 M2) each lift	

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 302 – EMULSION TREATED BASE</b>						
Emulsified Asphalt	ACCEPTANCE Certification	702.03		Loading Certificate	Each shipment to the project	See <a href="#">QA Manual Section 230.11</a>
		702.05	Manufacturer			
	ACCEPTANCE Saybolt Viscosity Field Test	702.03	Idaho IT 61	ITD-1045	Test each load for Saybolt viscosity. <b>Reject failing loads.</b>	Do not sample emulsions from storage tank discharge lines.
		ITD Project Personnel	ITD Project Personnel			
	VERIFICATION Laboratory Tests <sup>(1)</sup>	702.03	AASHTO T 59	ITD-1045	One (1) undiluted sample per project	<sup>(1)</sup> No samples for laboratory testing required when total project quantity is less than 2000 Gal (8 tons).
		ITD Project Personnel	ITD Central Laboratory			
Aggregate (prior to mixing)	ACCEPTANCE Gradation Sand Equivalent Fracture Count	302.02 703.04	AASHTO T 2 AASHTO T 248 AASHTO T 27 AASHTO T 11 AASHTO T 255 AASHTO T 265 AASHTO T 176 Method 2, Mechanical AASHTO T 335 Method 1	ITD-901	Each 700 CY (500 m <sup>3</sup> ) or 1000 Tons (900 t)	Acceptance at point of delivery prior to mixing. Moisture percent required for payment only
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Gradation Sand Equivalent Fracture Count	IA Inspector	IA Inspector	ITD-857	Each 14,000 CY (10,000 m <sup>3</sup> ) or 20,000 tons (18,000 t)	
Compacted Roadway	ACCEPTANCE In-Place Density	302.03	AASHTO T 310 Method B	ITD-850	Each 700 CY (500 m <sup>3</sup> ) or 1000 Tons (900 t)	
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	One (1) observation per project	

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 303 – AGGREGATE BASE</b>						
Aggregate	ACCEPTANCE Gradation Sand Equivalent Fracture Count	303.02 703.04	AASHTO T 2 AASHTO T 248 AASHTO T 27 AASHTO T 11 AASHTO T 255 AASHTO T 265 AASHTO T 176 Method 2, Mechanical AASHTO T 335 Method 1	ITD-901	Each 700 CY (500 m <sup>3</sup> ) or 1000 Tons (900 t)	Acceptance from windrow or roadway.  Moisture percent required for payment only
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Gradation Sand Equivalent Fracture Count	IA Inspector	IA Inspector	ITD-857	Each 14,000 CY (10,000 m <sup>3</sup> ) or 20,000 tons (18,000 t)	
Compacted Roadway	ACCEPTANCE In-Place Density	303.02	AASHTO T 310 Method B	ITD-850	Each 700 CY (500 m <sup>3</sup> ) or 1000 tons (900 t)	Contractor is responsible for providing an Idaho T 74 density curve.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	One (1) observation per project	

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 304 – RECONDITIONING</b>						
304  Pulverizing Roadbed	ACCEPTANCE Gradation	304.03	AASHTO T 2 AASHTO T 248 AASHTO T 27	ITD-901 & ITD-25 Standard Diary	One test after start of pulverizing, then visual inspection.	Wash method not required.
		ITD Project Personnel	ITD Project Personnel			
	ACCEPTANCE In-Place Density	304.03	WAQTC T M8 modified per Section 275.00 (CRABS)	ITD-855  or ITD-25 (Standard Diary)	Establish roller pattern every lane mile.	Acceptance at roadway.  See QA Manual Section 275.00
		ITD Project Personnel	ITD Project Personnel			
Soft Spot Repair	ACCEPTANCE In-Place Density	205.03 D 304.03	AASHTO T 310 Method B	ITD-850	Each repair area or combination of areas but not less than each 150 SF	
		ITD Project Personnel	ITD Project Personnel			
<b>STANDARD SPECIFICATION SECTION: 307 – OPEN-GRADED BASE</b>						
307  Aggregate	ACCEPTANCE Gradation <sup>(1)</sup>	703.08	AASHTO T 2 AASHTO T 27	ITD-901	Each 1800 CY (1300 m <sup>3</sup> ) or 2500 Tons (2300t)	Acceptance at Crusher Conveyor Belt  Reducing & wash method not required for Class 1 & 2 only  Dry to constant mass is not required for Class 1 & 2 only
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Gradation	IA Inspector	IA Inspector	ITD-857	Each 14,000 CY (10,000 m <sup>3</sup> ) or 20,000 Tons (18,000 t)	Field Test samples will be used for IA evaluation. No split samples required.
ACCEPTANCE In-place Density	307.03	Method Specification	ITD-25 Standard Diary	Each 3000 LF but not less than once per day		
	ITD Project Personnel	ITD Project Personnel				
<sup>(1)</sup> The minimum test sample mass for AASHTO T27 Sieve Analysis will be 65 lbs.						

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIAL PROVISION: 308 – CEMENT RECYCLED ASPHALT BASE STABILIZATION (CRABS)</b>						
Cement	ACCEPTANCE Certification	701.01	AASHTO M 85	ITD-968 with chemical analysis attached	Weekly	See <a href="#">QA Manual Sections 230.02</a> and <a href="#">230.02.01</a>
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Test	701.01		ITD-1044 (Sample Data)  ITD-1825 (Lab Report)	One (1) sample per project	Price adjustment for failing cement.
		ITD Project Personnel	ITD Central Lab			
Pulverizing Roadbed	ACCEPTANCE Gradation	304.04	AASHTO T 2 AASHTO T 248 AASHTO T 27	ITD-901	Prior to compaction each lane mile	Acceptance at roadway prior to compaction.  Wash method not required.
		ITD Project Personnel	ITD Project Personnel			
Compacted Roadway	ACCEPTANCE In-Place Density	304.04	WAQTC TM 8 modified per <a href="#">Section 275.00</a> (CRABS)	ITD-855  or  ITD-25 (Standard Diary)	Verify the contractor met the density specification every lane mile or when mixture properties changes.	Acceptance at roadway.  See <a href="#">QA Manual Section 275.00</a>  See <a href="#">SSP 308</a>
		ITD Project Personnel	ITD Project Personnel			

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 401 TACK COAT</b>						
Emulsified Asphalt	ACCEPTANCE Certification	702.03 702.05		Loading Certificate	Each individual truck, trailer, car or shipment to the project.	See QA Manual Section 230.11
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests	702.03	AASHTO T 59	ITD-1045	One (1) undiluted sample (as received from the asphalt supplier) per project	No samples required when total project quantity is less than 2000 Gal (7600 L) 8 Tons.
		ITD Project Personnel	ITD Central Laboratory			
<b>STANDARD SPECIFICATION SECTION: 402 PRIME COAT</b>						
Emulsified Asphalt	ACCEPTANCE Certification	702.03 702.05		Loading Certificate	Each individual truck, trailer, car or shipment to the project.	See QA Manual Section 230.11
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests	702.03	AASHTO T 59	ITD-1045	One (1) undiluted sample (as received from the asphalt supplier) per project	No samples required when total project quantity is less than 2000 Gal (7600 L) 8 Tons.
		ITD Project Personnel	ITD Central Laboratory			
Blotter	ACCEPTANCE Gradation	703.07 402.02	AASHTO T 2 AASHTO T 248 AASHTO T 27 AASHTO T 11	ITD-901	One (1) field gradation per source.	Sample at point of loading to the project.
		ITD Project Personnel	ITD Project Personnel			
<b>STANDARD SPECIFICATION SECTION: 403 SEAL COAT, 404 SURFACE TREATMENT</b>						
Asphalt & Cover Coat Material	Design of Seal Coats	403 404 703	Idaho T 60 Or McLeod Method	ITD-1044 (Sample Data)	The contractor furnishes the seal coat design.	
		ITD Project Personnel	ITD District Lab			
<b>Distributors:</b> Shall be certified each season. The contractor shall submit distributor certification to the Engineer prior to beginning work.						
Emulsified Asphalt	ACCEPTANCE Saybolt Viscosity Field Test	702.03	Idaho IT 61	ITD-1045	Test each load for Saybolt viscosity. If the district Saybolt viscosity result is outside specified limits, <b>reject the load.</b>	<u>Do not sample emulsions from storage tank discharge lines.</u>
		ITD Project Personnel	ITD Project Personnel			
	ACCEPTANCE Certification	702.03 702.05		Loading Certificate	Each individual truck, trailer, car or shipment to the project.	See QA Manual Section 230.11
		Manufacturer	Manufacturer			

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
Emulsified Asphalt (cont.)	VERIFICATION Laboratory Tests	702.03	AASHTO T 59	ITD-1045	Each 25,000 Gal or 100 Tons	No samples required when total project quantity is less than 2000 Gal (7600 L) 8 Tons.
		ITD Project Personnel	ITD Central Laboratory			
	INDEPENDENT ASSURANCE Viscosity Field Test	IA Inspector	IA Inspector	ITD-857	One (1) observation of Saybolt viscosity per project.	See QA Manual Section 330.00
PG. Binder	ACCEPTANCE Certification	702.01 702.05		ITD-966	Initial lot & each new lot to project	See QA Manual Sections 230.10 & 255.00
		Manufacturer	Manufacturer	Loading Certificate	Each shipment to project	
	VERIFICATION Laboratory Tests	702.01	AASHTO M 320 AASHTO T 40	ITD-859	One (1) sample (3 quart cans) per shift combined into weekly binder verification unit. Sampled from the line between the storage tank (or the delivery truck) and the mix plant.	No samples required when total project quantity is less than 22 tons(20t)
ITD Project Personnel	ITD Central Laboratory					
Anti-Strip Additive	ACCEPTANCE Presence of Anti-Stripping Additive	702.04	Idaho T 99 (color method only)	ITD-1045	Test the initial truck & trailer prior to unloading into the contractor's storage tank. Thereafter, test at same frequency as sampling of asphalt.	If anti-strip cannot be detected, the supplier must add the anti-strip on- site.
		ITD Project Personnel	ITD Project Personnel			
Cover Coat Material	ACCEPTANCE Gradation Cleanness Value Fracture Count	703.06 403.02	AASHTO T 2 AASHTO T 248 AASHTO T 27 AASHTO T 11 Idaho IT 72 AASHTO T 335 Method 1	ITD-901	Each 280 CY (200 m <sup>3</sup> ) or 400 Tons (360 t)  26,000 yd <sup>2</sup> or 22,000 m <sup>2</sup>	Sample at point of loading to the roadway
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Gradation Cleanness Value Fracture Count	IA Inspector	IA Inspector	ITD-857	Each 5600 CY (4000 m <sup>3</sup> ) or 8000 Tons (7200 t).	

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
Blotter	ACCEPTANCE Gradation	703.07 403.02 404.02	AASHTO T 2 AASHTO T 248 AASHTO T 27 AASHTO T 11	ITD-901	One (1) field gradation per source.	Sample at point of loading to the project.
		ITD Project Personnel	ITD Project Personnel			
Choke Sand	ACCEPTANCE Gradation	703.07 403.02 404.02	AASHTO T 2 AASHTO T 248 AASHTO T 27 AASHTO T 11	ITD-901	One (1) per day	Sample at point of loading to the project.
		ITD Project Personnel	ITD Project Personnel			

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
STANDARD SPECIFICATION SECTION: <b>405 SUPERPAVE HOT MIX ASPHALT</b>						
Performance Graded Binder	ACCEPTANCE Certification	702.01 702.05		ITD-966	Initial lot & each new lot to project	See QA Manual Sections 255.00
		Manufacturer	Manufacturer	Loading Certificate	Each shipment to project	
Performance Graded Binder	VERIFICATION Laboratory Tests	AASHTO T 40 AASHTO M 320	AASHTO T 40	ITD-859	One (1) sample (3 quart cans) per shift combined into weekly binder verification unit. Sampled from the line between the storage tank (or the delivery truck) and the mix plant.	No samples required when total quantity is less than 22 Tons (20 t)  See QA Manual Section 255.00
		ITD Project Personnel	HQ Central Lab			
Anti-Strip Additive	ACCEPTANCE Presence of Anti-Stripping Additive	702.04	Idaho IT 99	ITD-859	Test the initial truck & trailer prior to unloading into the contractor's storage tank. Thereafter, test at same frequency as sampling of asphalt binder	If anti-strip cannot be detected, the supplier must add additional anti-strip. The binder will be sampled and tested until a positive result is determined.  (blue color only)
		ITD Project Personnel	ITD Project Personnel			
Superpave HMA for Acceptance Test Strip	CONSTRUCTION of Test Strip by Contractor	405.03	Idaho IR 125	ITD-891 (Completed by Contractor)	Two (2) locations per Test Section	Contractor establishes roller pattern.
	ACCEPTANCE <sup>(1)</sup> (Aggregate Cold Feed Samples) Sand Equivalent Fracture Flat and/or Elongated Particles Fine Aggregate Angularity	405.02 405.03H 405.03F 703.05	Idaho IR 125 AASHTO T 2 ASHTO T 248 AASHTO T 176 Method 2, Mechanical AASHTO T 335 Method 1 Idaho FOP ASTM D 4791 Idaho FOP for AASHTO T 304	ITD-1046 ITD-772	**Three (3) cold feed increments per <u>test strip.</u>	Random Samples per Idaho IR 125  <sup>(1)</sup> Combine cold feed increments into a composite sample to determine <u>test strip acceptance.</u>
		Contractor	ITD District Project Personnel			
	INDEPENDENT ASSURANCE	IA Inspector	IA Inspector	ITD-857	Each 15,000 Tons (13,500 t)	

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\*\*When multiple test strips are required due to failures, the passing aggregate properties determined from the original cold feed sample will be used for subsequent test strips.

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS	
		SAMPLED BY	TESTED BY				
<b>405-2</b>	Superpave HMA for Acceptance Test Strip (Cont.)	ACCEPTANCE <sup>(2)</sup> (Loose Mix Samples)	Idaho IR 125 AASHTO T 168 * AASHTO R 47 AASHTO T 166 Method A or AASHTO T 331	ITD-773 ITD-772	Three (3) per test section. Each sample must be at least 80 lbs.	Random sample locations per Idaho IR125 *See Note <sup>(2)</sup> Test results for each loose mix sample are averaged for each test section to determine test section acceptance. <sup>(3)</sup> For calculating VMA use the combined aggregate bulk specific gravity, G <sub>sb</sub> , determined by the Engineer <sup>(4)</sup> See QA Manual Section 275.	
		Air Voids	405.02				AASHTO T 209 <sup>(4)</sup>
		Asphalt Content	405.03H				Bowl Method
		Gradation	405.03I	AASHTO T 269			
		Voids in Mineral Aggregate (VMA) <sup>(3)</sup>		AASHTO T 308 <sup>(4)</sup>			
		Voids Filled With Asphalt (VFA)		AASHTO T 30			
		Dust to Binder Ratio (DP)		AASHTO T329			
		Moisture Content	Contractor	AASHTO T 312			
				HQ Central Lab/District Lab			
Note: Test Strip mix verification testing will be performed by HQ Central Lab or District lab. District Labs must be qualified by HQ Central Lab in order to perform Superpave Test Strip testing. Contact Quality Assurance Engineer for details: Phone: (208) 334-8021							
		INDEPENDENT ASSURANCE	IA Inspector	IA Inspector	ITD-857	Observation of loose mix testing performed by District Lab every 90 days.	

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
STANDARD SPECIFICATION SECTION: <b>406 ROAD MIX &amp; 407 SCRUB COAT</b>						
Superpave HMA for Acceptance Test Strip (Cont.)	Density GAUGE CORRELATION <sup>(5)</sup>	405.03L	Idaho IR 125 WAQTC TM 8 (Backscatter mode) AASHTO T 343	ITD-820	Five (5) per <u>test section</u>	Use same cores that were taken for density acceptance. <sup>(5)</sup> Each gauge to be used on the project for QC or acceptance testing must be correlated on the test strip. Gauge readings for each core must be obtained at each test site prior to coring using each gauge. Each gauge will have a unique correlation factor. Form ITD- 820 is completed for each gauge.
		Contractor	Contractor and ITD District Project Personnel			
	ACCEPTANCE <sup>(7)</sup> Cores Density (Percent Compaction)	405.03L	Idaho IR 125 WAQTC TM11 AASHTO T 166 Method A AASHTO T 331 ASTM D7227	ITD-892 ITD-772	Five (5) per <u>test section</u> .	Random sample locations per Idaho IR 125  Test section densities are calculated as the average percent compaction of all cores from the test section using the average Gmm of the test section.
Contractor		ITD District Lab				
INDEPENDENT ASSURANCE		IA Inspector	IA Inspector	ITD-857	Observation of core testing performed by District Lab every 90 days	

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
405-4  Production Paving SP2	ACCEPTANCE Loose Mix from Roadway	405.03	AASHTO T 168* AASHTO R 47 AASHTO T329 AASHTO T 308 AASHTO T 30	ITD-833	Each 750 Tons (675 t ) Each sample must be at least 40 lbs	Random sample locations  * See Note
	Asphalt Content Gradation	ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Sampling Asphalt Content Gradation	IA Inspector	IA Inspector	ITD-857	One (1) observation each project.	
	ACCEPTANCE Moisture	405.03	AASHTO T329	ITD-833	One (1) test for moisture at least once per day.	Specification limit applies.
		ITD Project Personnel	ITD Project Personnel			
	ACCEPTANCE Density (Percent Compaction) (Density using correlated density gauge)	405.03	WAQTC TM 8 (Backscatter Mode) AASHTO T 343	ITD-855	Each 750 Tons (675 t)	Test at random locations  The average Gmm of the Test Strip test section corresponding to the Contractor's JMF shall be used to determine densities for all production paving.
	ITD Project Personnel	ITD Project Personnel				
INDEPENDENT ASSURANCE Density (Percent Compaction)	IA Inspector	IA Inspector	ITD-857	One (1) observation each project		

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
Production Paving SP3, SP5, SP6	ACCEPTANCE Loose Mix from Roadway Air Voids VMA	405.03	AASHTO T 168* AASHTO R 47 AASHTO T329 AASHTO T 308 AASHTO T 166 Method A AASHTO T 331 AASHTO T 209 <sup>(6)</sup> Bowl Method AASHTO T 269 AASHTO T312	ITD-833 ITD-777	Each 750 Tons (675 t ) Each sample must be at least 40 lbs	Random Sample Locations  * See Note
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Sampling Air Voids VMA	IA Inspector	IA Inspector	ITD-857	One (1) observation each project.	Observation of the tests that are performed to calculate air voids and VMA
	ACCEPTANCE Moisture	405.03 ITD Project Personnel	AASHTO T329 ITD Project Personnel	ITD-833	One (1) test for moisture at least once per day.	Specification limit applies.
	ACCEPTANCE Density (Percent Compaction) (Density using correlated density gauge)	405.03 ITD Project Personnel	WAQTC TM 8 (Backscatter Mode) AASHTO T 343 ITD Project Personnel	ITD-855	Each 750 Tons	Test at random locations  The average Gmm of the Test Strip test section corresponding to the Contractor's JMF shall be used to determine densities for all production paving
	INDEPENDENT ASSURANCE Density (Percent Compaction)	IA Inspector	IA Inspector	ITD-857	One (1) observation each project	
Production Paving Non-structural and Temporary, except on NHS.*	ACCEPTANCE Certification	405.03 Manufacturer	Manufacturer	ITD-851	Total Quantity Paid	ITD Project Inspector documents visual inspection.
<p>* Temporary paving on the NHS with divided highways will require the same mix design as the mainline paving. Acceptance will be by density; the average percent compaction of 3 random cores must be greater than 90.0%. A random loose mix sample will be obtained to determine the theoretical maximum specific gravity, (G<sub>mm</sub>). Sampling will be by the contractor; testing by the State.</p>						

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>405-6</b>  Production Paving When an acceptance test strip is not required, <i>regardless of the class of SuperPave mix</i> and the total quantity is three tests or more.  <b>Note:</b> Follow QASP procedures for sampling, testing and Quality Analysis. (include each core test result in the Quality Analysis)	ACCEPTANCE Loose Mix from Roadway	405.03	AASHTO T 168 * AASHTO R 47 AASHTO T329 AASHTO T 308 AASHTO T 30	ITD-833	Each 750 Tons (675 t )	Random Sample Locations  * See Note  SP2 Specification Limits apply.
	Asphalt Content Gradation	See Note	See Note			
	INDEPENDENT ASSURANCE Sampling Asphalt Content Gradation	IA Inspector	IA Inspector	ITD-857	One (1) observation each project.	
	ACCEPTANCE Moisture	405.03 See Note	AASHTO T329 See Note	ITD-833	One (1) test for moisture at least once per day.	Specification limit applies.
	ACCEPTANCE Density (Percent Compaction)	405.03 405.03L	WAQTC TM11 AASHTO T 168 * AASHTO T 166 Method A AASHTO T 331 AASHTO T 209 (Bowl Method) AASHTO T 331 ASTM D7227	ITD-832 ITD-892	Each 750 Tons (675 t ) Obtain random cores in each lot for density pay factor. (Do not average the cores).	* See Note  The average max. specific gravity, (G <sub>mm</sub> ) from the loose mix samples will be used to determine core density (percent compaction).
		ITD Project Personnel	ITD Project Personnel			

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
Production Paving  When an acceptance test strip is not required, <i>regardless of the class of SuperPave mix</i> and the total quantity is less than three frequencies but equal to or greater than one frequency.  ITD will sample and test for acceptance.	ACCEPTANCE Loose Mix from Roadway	405.03	AASHTO T 168* AASHTO R 47 AASHTO T329 AASHTO T 308 AASHTO T 30	ITD-833	Each 750 Tons (675 t )	* See Note SP2 Specification Limits apply
	Asphalt Content Gradation	ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Sampling Asphalt Content Gradation	IA Inspector	IA Inspector	ITD-857	One (1) observation each project.	
	ACCEPTANCE Moisture	405.03 ITD Project Personnel	AASHTO T329 ITD Project Personnel	ITD-833	One (1) test for moisture at least once per day.	Specification limit applies.
	ACCEPTANCE Density (Percent Compaction)	405.03 405.03L ITD Project Personnel	WAQTC TM11 AASHTO T 168 * AASHTO T 166 Method A AASHTO T 331 AASHTO T 209 (Bowl Method)  ASTM D7227 ITD Project Personnel	ITD-773 ITD-892	Five (5) Stratified Random Cores	Density (percent compaction) acceptance will be determined from the average of the cores.  The average max. specific gravity, ( $G_{mm}$ ) from the loose mix samples will be used to determine core density (percent compaction).
* See Note						
Production Paving  When an acceptance test strip is not required, <i>regardless of the class of SuperPave mix</i> and the total quantity is less than one frequency.				FOLLOW SECTION 270.04 ACCEPTANCE BY SMALL QUANTITIES  Density acceptance will be determined from the average of cores.		

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\* The plate method is the primary method for obtaining samples from the roadway. For the lifts of 0.2' or less, the samples may be obtained from the plant using an attached sampling device or from haul units. When the point of sampling is not the roadway and the minimum frequency results in more than 3 tests, the State will obtain at least two additional samples from the roadway, behind the paver, using the plate method for information to identify possible handling or placement variability. These tests will not be used as verification tests. The roadway samples will be taken randomly in the first and second thirds of the project. The samples will be tested by the State for asphalt content per AASHTO 308 and gradation per AASHTO T30. The test results will be evaluated by comparing to the average of the production test results up to that point. The comparison must be within the significant difference as shown in the table under dispute resolution section. For SuperPave (SP3-SP6) items, the two roadway samples will be tested by the State for air void and VMA. The test results will be compared to the average of the production test results up to that point. The comparison must be within the significant difference as shown in the table under dispute resolution section. When the difference in the test result is significant, the contractor shall determine the cause of the difference and shall make any necessary corrections.

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
405-8	ACCEPTANCE Profiler	405.03P	AASHTO PP50	Contractor furnishes IRI QC test results to Engineer by next calendar day following placement. Acceptance testing to be completed on final lift within one (1) week of completion of paving.		
		Contractor	Contractor			
	VERIFICATION Profiler	405.03P		ITD-25 (Standard Diary)	Fully witnessed with report and graph chart obtained immediately	
		ITD Project Personnel	ITD Project Personnel			
Pavement Reinforcement Fabric	ACCEPTANCE Certification	718.02 718.08		ITD-849 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.09
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests	718.03 718.08		ITD-1044 (Sample Data) ITD-1047 (Lab Report)	One (1) sample from each manufacturer- identified lot for each type.	

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
STANDARD SPECIFICATION SECTION: <b>406 ROAD MIX &amp; 407 SCRUB COAT</b>						
Aggregate	ACCEPTANCE Gradation Sand Equivalent Fracture Count	703 406.02 407.02	AASHTO T 2 AASHTO T 248 AASHTO T 27 AASHTO T 11 AASHTO T 176 Method 2, Mechanical AASHTO T 335 Method 1	ITD-901	Each 700 CY (500 m <sup>3</sup> ) or 1000 Tons (900 t)	Sample at point of loading to the roadway
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Gradation Sand Equivalent Fracture Count	IA Inspector	IA Inspector	ITD-857	Each 14000 CY (10000 m <sup>3</sup> ) or 20000 Tons (18000 t).	
Emulsified Asphalt	ACCEPTANCE Certification	702.03 702.05		Loading Certificate	Each individual truck, trailer, car or shipment	See QA Manual Section 230.11
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests	702.03	AASHTO T 59	ITD-1045	Each 100 tons	No samples required when total project quantity is less than 2000 Gal (7600 L) 8 Tons.
PG. Binder	ACCEPTANCE Certification	702.01 702.05		ITD-966	Initial lot & each new lot to project	See QA Manual Sections 230.10 & 255.00
		Manufacturer	Manufacturer	Loading Certificate	Each shipment to project	
	VERIFICATION Laboratory Tests	702.01	AASHTO M 320 AASHTO T 40	ITD-859	One (1) sample (3 quart cans) per shift combined into weekly binder verification unit. Sampled from the line between the storage tank (or the delivery truck) and the mix plant.	No samples required when total project quantity is less than 22 tons(20t) See QA Manual Section 255.00
ITD Project Personnel	ITD Project Personnel					
		ITD Project Personnel	ITD Project Personnel			

406/407-1

	BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
			SAMPLED BY	TESTED BY			
406/407-2	Anti-Strip Additive	ACCEPTANCE Presence of Anti-Striping Additive	702.04	Idaho IT 99	ITD-859	Test the initial truck & trailer prior to unloading into the contractor's storage tank. Thereafter, test at same frequency as sampling of asphalt binder.	If anti-strip cannot be detected, the supplier must add additional anti-strip. The binder will be sampled and tested until a positive result is determined. (blue color only)
			ITD Project Personnel	ITD Project Personnel			
STANDARD SPECIFICATION SECTION: <b>408 FOG COAT</b>							
408	Emulsified Asphalt	ACCEPTANCE Certification	702.03 702.05		Loading Certificate	Each individual truck, trailer, car or shipment	See QA Manual Section 230.11
			Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests	702.02 702.03	AASHTO T 59	ITD-1045	One (1) undiluted sample (as received from the asphalt supplier) per project.	No samples required when total project quantity is less than 2000 Gal (7600 L) 8 Tons.	
		ITD Project Personnel	HQ Central Laboratory				
Blotter	ACCEPTANCE Gradation	703.07 408.02	AASHTO T 2 AASHTO T 248 AASHTO T 27 AASHTO T 11	ITD-901	One (1) field gradation per source.	Sample at point of loading to the project.	
		ITD Project Personnel	ITD Project Personnel				
Standard Supplemental Specification <b>415 MICROSURFACING</b>							
415-1	Aggregate	ACCEPTANCE Gradation Sand Equivalent	703 415	AASHTO T 2 AASHTO T 248 AASHTO T 27 AASHTO T 11 AASHTO T 176 Method 2, Mechanical	ITD-901	Each 750 Tons (675 t) or fraction thereof.	Acceptance at stockpile
			ITD Project Personnel	ITD Project Personnel			

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
Polymer- modified Emulsified Asphalt	ACCEPTANCE Certification	702.03 702.05		Loading Certificate	Each individual truck, trailer, car or shipment	See QA Manual Section 230.11
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests	702.03	AASHTO T 59	ITD-1045	One (1) random undiluted sample (as received from the asphalt supplier) twice per day	
		ITD Project Personnel	HQ Central Laboratory			
		ITD Project Personnel	ITD Project Personnel			

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
STANDARD SPECIFICATION SECTION: <b>409 PORTLAND CEMENT CONCRETE PAVEMENT</b>						
Concrete Ready-Mix Plant Inspection		ITD Project Personnel	ITD Project Personnel	ITD-893	One (1) per project	Inspection of plant is valid for one (1) year.
Mix Design	CONFIRMATION (Mix samples not required for projects less than 2500 CY)	409.01 409.03(A)		Central Lab will notify the Engineer of the confirmation	Submittal required 60 days prior to use	See QA Manual <a href="#">Section 260.02</a>
		Contractor	ITD Central Lab			
	ACCEPTANCE (Water from other than a municipal drinking supply)	720.01	AASHTO T 26	Submit independent test results with mix design information	One (1) per project	Water from any municipal drinking supply does not require testing.
		Contractor	Independent Lab			
	ACCEPTANCE (Admixtures) Approved List	709.02 709.03 709.04 709.05	ASTM C 494 AASHTO M 154	Qualified Products List		
		Manufacturer	Manufacturer			
Fine Aggregate	ACCEPTANCE Gradation Sand Equivalent	409.02 703.02	AASHTO T 2 AASHTO T 248 AASHTO T 27 AASHTO T 11 AASHTO T 176 Method 2 Mechanical	ITD-901	Each 1000 CY of concrete placed	Frequency applies to multiple concrete items from same concrete plant per project.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Gradation Sand Equivalent	IA Inspector	IA Inspector	ITD-857	Each 20,000 CY of concrete placed	
Coarse Aggregate	ACCEPTANCE Gradation	409.02	AASHTO T 2 AASHTO T 248 AASHTO T 27	ITD 901	Each 1000 CY of concrete placed	Frequency applies to multiple concrete items from same concrete plant per project.  Wash method not required.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Gradation	IA Inspector	IA Inspector	ITD-857	Each 20,000 CY of concrete placed	

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
Cement	ACCEPTANCE Certification	701.01	AASHTO M 85 or AASHTO M 240 Total Alkali	ITD-968 with bills of lading attached	Each week concrete is placed representing the amount of cement used	See QA Manual Section 230.02
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests <sup>(1)</sup>	701.01	Idaho T143	ITD-1044 <sup>(1A)</sup> (Sample Data) ITD-1825 (Lab Report)	Each 2500 CY (1900 m <sup>3</sup> ) of concrete placed and for each mill analysis number. <sup>(2)</sup>	
		ITD Project Personnel	ITD Central Lab			
Fly ash	ACCEPTANCE Certification	714.01	AASHTO M 295	ITD-968 with bills of lading attached	Each week concrete is placed representing the amount of fly ash used	See QA Manual Section 230.02
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests <sup>(1)</sup>	714.01	Idaho T143	ITD-1044 <sup>(1A)</sup> (Sample Data) ITD-1826 (Lab Report)	Each 15,000 CY (10,000 m <sup>3</sup> ) of concrete placed and for each sample ident number. <sup>(2)</sup>	
		ITD Project Personnel	ITD Central Lab			

<sup>(1)</sup> No samples for laboratory tests when total quantity of concrete for project is less than 40 cubic yards

<sup>(1A)</sup> Include acceptance certification documents with ITD-1044 and sample (ITD-968 and bills of lading).

<sup>(2)</sup> When the project quantity is 40 CY or more but less than the minimum sample frequency, the cement or fly ash sample may represent multiple projects provided the material is from the same mill analysis or sample ident number, manufacturer, supplier and concrete plant. The sample test report and a file memo must be included in each project file and on each Materials Summary Report.

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
Dowel Bars	FOLLOW <a href="#">STANDARD SPECIFICATION 503</a>					
Tie Bars	FOLLOW <a href="#">STANDARD SPECIFICATION 503</a>					
Concrete Production <sup>(1A)</sup>	FIELD ACCEPTANCE Slump Air Content Temperature Unit Weight Cement Factor W/C Ratio	409.02	<a href="#">WAQTC TM 2</a> <a href="#">AASHTO T 119</a> <a href="#">AASHTO T 121</a> <a href="#">AASHTO T 309</a> <a href="#">AASHTO T 152</a>	ITD-70	Each 300 CY (230 m <sup>3</sup> )	See QA Manual Section 215.00 Materials or Work Failing Specifications  Computerized batch ticket accompanies each load to project.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Field Tests	IA Inspector	IA Inspector	ITD-857	Each 6000 CY (4600 m <sup>3</sup> )	
	ACCEPTANCE Compressive Strength	409.02	<a href="#">AASHTO T 22</a> <a href="#">AASHTO T 23</a>	ITD-1044 (Sample Data)  ITD-845 (Lab Report)	Three (3) sets for each day's production; one (1) set during each third of the day's placement.	Each set consists of three (3) 28-day and two (2) 7-day cylinders. Make the cylinders from loads that are tested for slump, air content, etc.
		ITD Project Personnel	ITD District or Central Lab			
INDEPENDENT ASSURANCE Making Cylinders	IA Inspector	IA Inspector	ITD-857	Observation one (1) per project		
<sup>(1A)</sup> When concrete is delivered to the forms by means of a concrete pump, the sample will be obtained at the point of discharge in accordance with <a href="#">WAQTC TM 2</a> .						

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS	
		SAMPLED BY	TESTED BY				
409-4	Concrete Production <sup>(1A)</sup>  (Multiple small placements of less than 200 CY per day, i.e. slab replacements, intersections)	FOLLOW <a href="#">STANDARD SPECIFICATION 502</a>					
	Curing Compound	ACCEPTANCE Laboratory Test	709.01	AASHTO M 148	ITD-1044 (Sample Data)	Submit sample at least 30 days prior to use for each batch/lot	Pre-approved by batch or lot number.
			Manufacturer	ITD Central Lab	ITD-1823 (Lab Report)		
	Finished Pavement	ACCEPTANCE (Depth Measurements)	409.03	Idaho T 130	ITD-827	Randomly once every 0.1 mile (0.2 km)	Thickness price adjustment.
		ACCEPTANCE (Smoothness)	409.03	Idaho T 140			
			ACCEPTANCE (Final Finish)	409.03(J)	AASHTO T 261	ITD-25 (Standard Diary)	Initially, then each lane mile
	411	STANDARD SPECIFICATION SECTION: <b>411 URBAN CONCRETE PAVEMENT</b>					
		FOLLOW <a href="#">STANDARD SPECIFICATION 409</a> for testing frequency only.					
For multiple small placements of less than 200 CY per day		FOLLOW <a href="#">STANDARD SPECIFICATIONS 502</a>					
<sup>(1A)</sup> When concrete is delivered to the forms by means of a concrete pump, the sample will be obtained at the point of discharge in accordance with <a href="#">WAQTC TM 2</a> .							

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
STANDARD SPECIFICATION SECTION: <b>502 CONCRETE</b>						
Concrete Ready-Mix Plant Inspection		ITD Project Personnel	ITD Project Personnel	ITD-893	One (1) per project	Inspection of plant is valid for one (1) year
Mix Design (All Concrete)	REVIEW BY HQ Central Lab	502.01 502.03(A)		See Section 260.03.		
		Contractor	Contractor			
	ACCEPTANCE (Admixtures) Approved List	709.02 709.03 709.04 709.05	ASTM C494 AASHTO M154	Qualified Products List		
		Manufacturer	Manufacturer			
ACCEPTANCE (Water from other than a municipal drinking supply)	720.01	AASHTO T26	Submit independent test results with mix design information	One (1) per project	Water from any municipal drinking supply does not require testing.	
	Contractor	Independent Lab				
Fine Aggregate	ACCEPTANCE Gradation Sand Equivalent	703.02	AASHTO T2 AASHTO T248 AASHTO T27 AASHTO T11 AASHTO T176 Method 2 Mechanical	ITD-901	Each 500 CY of concrete placed	Frequency applies to multiple concrete items from same concrete plant per project.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Gradation Sand Equivalent	IA Inspector	ITD District Lab	ITD-857	Each 10,000 CY of concrete placed	
Coarse Aggregate	ACCEPTANCE Gradation	703.03	AASHTO T2 AASHTO T248 AASHTO T27	ITD-901	Each 500 CY of concrete placed	Wash method not required. Frequency applies to multiple concrete items from same concrete plant per project.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Gradation	IA Inspector	ITD District Lab	ITD-857	Each 10,000 CY of concrete placed	

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502-2

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
Cement	ACCEPTANCE Certification	701.01	AASHTO M85 or AASHTO M240 Total Alkali	ITD-968 with bill of lading attached	Each week concrete is placed representing the amount of cement used	See QA Manual Section 230.02
		Manufacturer	Manufacturer			
Cement	VERIFICATION Laboratory Test (1)	701.01	Idaho IR143	ITD-1044 <sup>(1B)</sup> (Sample Data)  ITD-1825 (Lab Report)	Each 1000 CY (760 m <sup>3</sup> ) of concrete placed and for each mill analysis number <sup>(2)</sup>	The frequency applies to multiple concrete items from the same concrete plant per project.  Price adjustment for failing cement.
		ITD Project Personnel	ITD Central Lab			
Fly ash	ACCEPTANCE Certification	714.01	AASHTO M295	ITD-968 with bill of lading attached	Each week concrete is placed representing the amount of fly ash used	See QA Manual Section 230.02
		Manufacturer	Manufacturer			
Fly ash	VERIFICATION Laboratory Test (1)	714.01	Idaho IR143	ITD-1044 <sup>(1B)</sup> (Sample Data)  ITD-1826 (Lab Report)	Each 4000 CY (3000 m <sup>3</sup> ) of concrete placed and for each sample ident number <sup>(2)</sup>	The frequency applies to multiple concrete items from the same concrete plant per project.
		ITD Project Personnel	ITD Central Lab			
Metal Reinforcement	FOLLOW STANDARD SPECIFICATION SECTION 503					
Pre-Stressing Strand	FOLLOW STANDARD SPECIFICATION SECTION 506					
Curing Compound <sup>(1A)</sup>	ACCEPTANCE Laboratory Test	709.01	AASHTO M148	ITD-1044 (Sample Data)  ITD-1823 (Lab Report)	Submit sample at least 30 days prior to use for each batch/lot	Pre-approved by batch or lot number.
		Manufacturer	ITD Central Lab			
Curing Compound <sup>(1A)</sup>	ACCEPTANCE Certification			ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Joint Fillers and Sealers	FOLLOW STANDARD SPECIFICATION SECTION 625					
<p>(1) No samples for laboratory tests when total quantity of concrete for project is less than 40 cubic yards.</p> <p>(1A) Acceptance by manufacturer's certification when total project quantity is less than 55 gallons.</p> <p>(1B) Include acceptance certification documents with ITD-1044 and sample. (ITD-968 and bill of lading)</p> <p>(2) When the project quantity is 40 CY or more but less than the minimum sample frequency, the cement or fly ash sample may represent multiple projects provided the material is from the same mill analysis or sample ident number, manufacturer, and concrete plant. The sample test report and a file memo must be included in each project file and on each Materials Summary Report.</p>						

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
Concrete Production <sup>(1B)</sup>  Specified Strength of 24.0 MPa (3500 psi) or greater	FIELD ACCEPTANCE Slump Air Content Temperature Unit Weight Cement Factor W/C Ratio	502.02	WAQTC TM2 AASHTO T119 AASHTO T152 AASHTO T309 AASHTO T121	ITD-70	First load, then each 50 CY (38 m <sup>3</sup> ) until quantity exceeds 100 CY (75m <sup>3</sup> ). Thereafter, every 100 CY (75 m <sup>3</sup> ) but not less than one per day. <sup>(2)</sup>	When there is a failing test, obtain check tests immediately and continue checking each load until two (2) consecutive tests are passing.  Computerized batch ticket accompanies each load to project.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Field Tests	IA Inspector	IA Inspector	ITD-857	Each 2,000 CY (1500 m <sup>3</sup> )	
	ACCEPTANCE Compressive Strength	502.02	AASHTO T22 AASHTO T23	ITD-1044 (Sample Data)  ITD-845 (Lab Report)	One (1) set of three (3) 28-day cylinders and one (1) set of two (2) 7-day cylinders each 100 CY (75 m <sup>3</sup> ) but not less than one (1) per day <sup>(2)</sup> .	A single sample of concrete must be of sufficient size for the cylinders and air, slump, unit weight tests.
		ITD Project Personnel	ITD District or Central Lab			
	INDEPENDENT ASSURANCE Making Cylinders	IA Inspector	IA Inspector	ITD-857	Observation one(1) per project	
<p><sup>(1B)</sup> When concrete is delivered to the forms by means of a concrete pump, then samples will be obtained at the point of discharge in accordance with <a href="#">WAQTC TM-2</a>.</p> <p><sup>(2)</sup> For some applications involving multiple small placements not on the same day, the minimum one test per day is not required. Examples where this applies are non-structural items such as median barriers, small bases for signs or poles. Examples of items where this does <b>not</b> apply are sign or pole bases larger than 3 m<sup>3</sup> (4 CY) bridge footings, columns, pier caps or bridge parapet.</p>						
Concrete  Specified Strength of 20.5 MPa (3000 psi) or less	ACCEPTANCE Certification <sup>(2B)</sup>	502.01(B)		ITD-875 with QC test results attached <sup>(3)</sup>  QC tests on First load, then each 50 CY (38 m <sup>3</sup> ) until quantity exceeds 100 CY (75m <sup>3</sup> ). Thereafter, every 100 CY (75 m <sup>3</sup> )	Total Quantity Paid	Unless lack of quality control is evident, plant inspection, aggregate testing, cement & fly ash certs & sampling, field tests and compressive strength tests by the State are not required. <sup>(2B)</sup>  See <a href="#">QA Manual Section 230.06</a>  Concrete supplier's certification  Note locations on <a href="#">ITD-875</a>
<p><sup>(2B)</sup> Concrete for curb and sidewalk will be accepted by certification regardless of strength requirements. Concrete for landscaping using sack mixes will NOT require certification (ITD-875) or verification tests. Acceptance will be by inspection on the RE Letter (ITD-854).</p> <p><sup>(3)</sup> When total is less than 50CY, QC tests can be from previous batches in the 30 days prior to the first placement.</p>						

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
502-4 Pre-cast Stringers, Prestressed Members	ACCEPTANCE Field Tests (Air, slump, unit weight, temperature)	502.02	AASHTO T119 AASHTO T152 AASHTO T309 AASHTO T121	ITD-70	One (1) per member	The ITD On-site Inspector will provide a memo of acceptance to the Engineer with all required test reports and certifications attached.
		ITD On-site Inspector	ITD On-site Inspector			
	ACCEPTANCE Compressive Strength	502.02	AASHTO T22 AASHTO T23	ITD-845	One (1) set of three (3) 28- day cylinders per member	
		ITD On-site Inspector	ITD District or Central Lab			
Concrete Parapet	FOLLOW MTR FOR STRENGTH SPECIFIED					
Approach Slab	FOLLOW MTR FOR STRENGTH SPECIFIED					
Permanent Metal Concrete Forms	ACCEPTANCE Certification	708.31	ASTM A653 M SS	ITD-914 with mill test reports attached	Total Quantity Paid	See <a href="#">QA Manual Section 230.03</a>
		Manufacturer	Manufacturer			

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 503 METAL REINFORCEMENT</b>						
Reinforcing Steel	ACCEPTANCE Certification	503.02 708.02	AASHTO M31M	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
Reinforcing Steel	VERIFICATION Laboratory Tests <sup>(3)</sup>	503.02		ITD-1044 <sup>(3A)</sup> (Sample Data)  ITD-1810 (812) (Lab Report)	Field sample every size and heat number from deliveries to project	FedEx or overnight samples.  Reject failing heat numbers.  See QA Manual Section 230.03.02
		ITD Project Personnel	ITD Central Lab			
Epoxy Coated Metal Reinforcement	ACCEPTANCE Certification	503.02 708.02	AASHTO M284M	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
Epoxy Coated Metal Reinforcement	VERIFICATION Laboratory Tests <sup>(3)</sup>	503.02		ITD-1044 <sup>(3A)</sup> (Sample Data)  ITD-1810 (812)(Lab Report)	Field sample every size and heat number from deliveries to project	FedEx or overnight samples.  Reject failing heat numbers.  See QA Manual Section 230.03.02
		ITD Project Personnel	ITD Central Lab			
Dowel Bars	ACCEPTANCE Certification	708.03	AASHTO M254	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
<sup>(3)</sup> Samples not required when used with concrete of specified strength of 20.5 MPa (3000 psi) or less. Form ITD-914 is required. <sup>(3A)</sup> Including acceptance certification documents with ITD-1044 and sample (ITD-914 and mill test reports).						

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
503-2  Tie Bars	ACCEPTANCE Certification	708.04	AASHTO M31M	ITD-914 with mill test reports attached	Total Quantity Paid	See <a href="#">QA Manual Section 230.03</a>
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests <sup>(4)</sup>	503.02		ITD-1044 <sup>(3A)</sup> (Sample Data)	One (1) sample of two (2) bars per day of concrete paving	Slab replacement or rehab project where less than 1,000 bars, then one (1) sample of two (2) bars per project.
		ITD Project Personnel	ITD Central Lab	ITD-1810 (812)(Lab Report)		
<sup>(3)</sup> Samples not required when used with concrete of specified strength of 20.5 MPa (3000 psi) or less. Form <a href="#">ITD-914</a> is required. <sup>(3A)</sup> Including acceptance certification documents with <a href="#">ITD-1044</a> and sample (ITD-914 and mill test reports). <sup>(4)</sup> Samples not required when less than 200 bars are used on a project.						

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
STANDARD SPECIFICATION SECTION: <b>504 STRUCTURAL METALS</b>						
Steel Bridge	ACCEPTANCE Certification	504.01 504.03 708.06	AASHTO M270M	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
	ACCEPTANCE Fabrication Inspection <sup>(5)</sup>	504.01 504.02 504.03		HQ will provide memo of inspection		District notifies HQ as soon as fabricator is known. HQ arranges fabrication inspection.
Structural Steel	ACCEPTANCE Certification	504.01 504.03 708.06	AASHTO M270M	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
	ACCEPTANCE Fabrication Inspection <sup>(5)</sup>	504.01 504.02 504.03		HQ will provide memo of inspection		District notifies HQ as soon as fabricator is known. HQ arranges fabrication inspection.
Steel Forgings	ACCEPTANCE Certification	708.06	AASHTO M270M	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
	ACCEPTANCE Fabrication Inspection <sup>(5)</sup>	504.03		HQ will provide memo of inspection		District notifies HQ as soon as fabricator is known. HQ arranges fabrication inspection.
Paint	FOLLOW STANDARD SPECIFICATION SECTION 627					
<sup>(5)</sup> Fabrication Inspection not required if less than 15 t (16 T). District notification is still required. Field inspection of steel member is required. Acceptance by certification and ITD-854 Resident Engineer's Letter of Inspection (See QA Manual Section 250.00).						

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
Bolts, Nuts, Hardened Washers, Direct Tension Indicators	ACCEPTANCE Certification	504.03(L) 708.06(2)	ASTM A307 AASHTO M164M AASHTO M253M	ITD-851 with test results attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests	504.03(L) 708.06(2)		ITD-1044 (Sample Data)  ITD-1811 (Lab Report)	Three (3) random samples of each assembly from each lot and size	Sample from material delivered to the project.
		ITD Project Personnel	ITD Central Lab			
Structural Steel Handrail	ACCEPTANCE Certification	504.02 708.06(1)	AASHTO M270M	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
Two Tube Curb- Mount Railing	ACCEPTANCE Certification	504.02 708.06(1)	AASHTO M270M	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
Pedestrian Bicycle Railing	ACCEPTANCE Certification	504.02 708.06(1)	AASHTO M270M	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
Combination Pedestrian, Bicycle, and Traffic Railing	ACCEPTANCE Certification	504.02 708.06(1)	AASHTO M270M	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 505 PILING</b>						
H-Beam Piles	ACCEPTANCE Certification	505.02 708.08	ASTM A 36M	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
Steel Shell Piles	ACCEPTANCE Certification	505.02 708.30		ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
Timber Piles	ACCEPTANCE Certification	505.02 710.05	ASTM D 25	ITD-851	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
Pile Point	ACCEPTANCE Approved List	505.03(C)		Qualified Product List ITD-851		
		Manufacturer	Manufacturer			
Concrete with specified strength of 3000 psi (20.5 MPa) or less	ACCEPTANCE Certification	502.02(B)		ITD-875 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.06  Concrete Suppliers Certification  Note locations on ITD-875
		Concrete Supplier	Concrete Supplier			
<b>STANDARD SPECIFICATION SECTION: 506 PRE-STRESSING CONCRETE</b>						
Reinforcement	FOLLOW STANDARD SPECIFICATION SECTION 503					
Welded Wire	ACCEPTANCE Certification			ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
Pre-Stressing Strand	ACCEPTANCE Certification	708.05	ASTM A 416 ASTM A 722	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests	506.03		ITD-1044 (Sample Data)  ITD-1813 (838) (Lab Report)	One (1) per reel	See QA Manual Section 230.05.01
		ITD Project Personnel	ITD Central Lab			
Grout Type A Type B Class I Type B Class II Type C  (used in post tensioning)	ACCEPTANCE Compressive Strength	506.03	AASHTO TP 83 AASHTO T 106	ITD-1044 (Sample Data)  ITD-845 (Lab Report)	Grout cubes once per day for each type grout used	The average of three (3) 28-day cubes for Type A or Type B.  The average of three (3) 24-hour cubes for Type C
		ITD Project Personnel	ITD District or Central Lab			
	INDEPENDENT ASSURANCE Observation	IA Inspector	IA Inspector	ITD-857	Observation one (1) per project	

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
Grout Type A Type B Class I Type B Class II Type C (used in other than post tensioning)	ACCEPTANCE Compressive Strength	506.03	AASHTO TP 83 AASHTO T106	ITD-1044 ITD-845 (Lab Report)	One (1) per project	The average of three (3) 28-day cubes for Type A or Type B.  The average of three (3) 24-hour cubes for Type C
		ITD Project Personnel	ITD District or Central Lab			
Grout Type D	ACCEPTANCE Certification	506.03 701 703	AASHTO M85 AASHTO T11 AASHTO T27 AASHTO T176 Method 2, Mechanical	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
<b>STANDARD SPECIFICATION SECTION: 507 BEARING PADS AND PLATES</b>						
Self-Lubricating Bronze Bearing Plates	ACCEPTANCE Certification	507.02 708.29		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Neoprene Bearing Pads	ACCEPTANCE Certification	507.02 720.02	AASHTO M251-90	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
TFE/PTFE Bridge Bearing Pads	ACCEPTANCE Certification	507.02 720.03		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
<b>STANDARD SPECIFICATION SECTION: 508 CORRUGATED PLATE PIPE</b>						
Corrugated Plate Pipe Culvert	ACCEPTANCE Certification	508.02 708.20	AASHTO M167 or M219	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.07
		Manufacturer	Manufacturer			
Corrugated Plate Pipe Arch	ACCEPTANCE Certification	508.02 708.20	AASHTO M167 or M219	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.07
		Manufacturer	Manufacturer			
Corrugated Plate Arch	ACCEPTANCE Certification	508.02 708.20	AASHTO M167 or M219	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.07
		Manufacturer	Manufacturer			

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
STANDARD SPECIFICATION SECTION: <b>509 Non-Structural Concrete</b>						
Mix Design	REVIEW BY HQ Central Lab	509.01		See Section 260.03.		
		Contractor	Contractor			
Concrete	ACCEPTANCE Certification	509.02		ITD-875 with QC test results attached (1) QC tests on First load, then each 50 CY (38 m <sup>3</sup> ) until quantity exceeds 100 CY (75m <sup>3</sup> ). Thereafter, every 100 CY (75 m <sup>3</sup> )	Total Quantity Paid	Unless lack of quality control is evident, plant inspection, aggregate testing, cement & fly ash certs & sampling, field tests and compressive strength tests by the State are not required. <sup>(2B)</sup> See QA Manual Section 230.06 Concrete supplier's certification Note locations on ITD-875
		Contractor	Contractor			
<p>(1) When total is less than 50CY, QC tests can be from previous batches in the 30 days prior to the first placement. Concrete for landscaping using sack mixes will NOT require certification (ITD-875) or verification tests. Acceptance will be by inspection on the RE Letter (ITD-854).</p>						

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
STANDARD SPECIFICATION SECTION: <b>510 CONCRETE OVERLAY</b>						
Mix Design	FOLLOW <a href="#">STANDARD SPECIFICATION SECTION 502</a>					
Aggregate						
Portland Cement						
Curing Compound						
Latex Modified Concrete	ACCEPTANCE (Latex Modifier) Certification	510.02 Manufacturer	Idaho T 121 Manufacturer	ITD-851 with test results attached	Total Quantity Paid	See QA Manual Section 230.01
	ACCEPTANCE (Concrete) Field Tests	510.02 ITD Project Personnel	AASHTO T119 AASHTO T152 AASHTO T309 AASHTO T121 ITD Project Personnel	ITD-70	First load, then each 50 CY (38m <sup>3</sup> ) until quantity reaches 100 CY (75m <sup>3</sup> ), thereafter each 100 CY (75m <sup>3</sup> ).	
	INDEPENDENT ASSURANCE Field Tests	IA Inspector	IA Inspector	ITD-857	Each 2,000 CY (1500 m <sup>3</sup> )	
	ACCEPTANCE (Concrete) Compressive Strength	510.03 ITD Project Personnel	AASHTO T22 AASHTO T23 ITD District or Central Lab	ITD-1044 (Sample Data) ITD-845 (Lab Report)	One (1) set of three (3) 28-day cylinders per day	
	INDEPENDENT ASSURANCE Making Cylinders	IA Inspector	IA Inspector	ITD-857	Observation one (1) per project	
	ACCEPTANCE (Silica Fume) Certification	510.02 Manufacturer	AASHTO M307 Manufacturer	ITD-851 with test results attached	Total Quantity Paid	See QA Manual Section 230.01
Silica Fume Concrete	VERIFICATION Laboratory Test	510.02 ITD Project Personnel	AASHTO M307 ITD Central Lab	ITD-1044 (Sample Data) ITD-1827 (Lab Report)	One (1) per project	One (1) Cylinder Can
	ACCEPTANCE (Concrete) Field Tests	510.02 ITD Project Personnel	AASHTO T119 AASHTO T152 AASHTO T309 AASHTO T121 ITD Project Personnel	ITD-70	First load, then each 50 CY (38m <sup>3</sup> ) until quantity reaches 100 CY (75m <sup>3</sup> ), thereafter each 100 CY (75m <sup>3</sup> ).	
	INDEPENDENT ASSURANCE Field Tests	IA Inspector	IA Inspector	ITD-857	Each 2,000 CY (1500 m <sup>3</sup> )	

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
Silica Fume Concrete (Continued)	ACCEPTANCE (Concrete) Compressive Strength	510.03	AASHTO T22 AASHTO T23	ITD-1044 (Sample Data) ITD-845 (Lab Report)	One (1) set of three (3) 28-day cylinders per day	
		ITD Project Personnel	ITD District or Central Lab			
	INDEPENDENT ASSURANCE Making Cylinders	IA Inspector	IA Inspector	ITD-857	Observation one (1) per project	
Smoothness	ACCEPTANCE	409 510.03(F)		ITD-25 (Standard Diary)		Identify any delaminations for removal.
			ITD Project Personnel			
<b>STANDARD SPECIFICATION SECTION: 511 CONCRETE WATERPROOFING SYSTEMS</b>						
Liquid Asphalt Sealant Type A System	ACCEPTANCE Certification	511.02	ASTM D 3406	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Asphalt Roll Roofing Type A System	ACCEPTANCE Certification	511.02	ASTM D 224 TYPE II	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Primer Type A System	ACCEPTANCE Certification	702.03		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Asphalt Cement Type B System	ACCEPTANCE Certification	702.01		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Fabric Type B System	ACCEPTANCE Certification	718.02		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Sand Membrane Protection Blanket	ACCEPTANCE Gradation Sand Equivalent	703.02	AASHTO T27 AASHTO T11 AASHTO T176 Method 2, Mechanical	ITD-901	One (1) per project	If test fails immediately, perform check test. If check test fails, reject material.
		ITD Project Personnel	ITD Project Personnel			
Membrane Sheet Type D System	ACCEPTANCE Certification	511.02 511.03		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Water Repellant Type C System	ACCEPTANCE Certification	511.02 511.03		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 512 GABION STRUCTURE</b>						
Wire Mesh	ACCEPTANCE Certification	715.01	ASTM A 370 ASTM A 641 ASTM A 90 ASTM A 185	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Joints	ACCEPTANCE Certification	715.05	ASTM A 641 ASTM A 370 ASTM A 641 ASTM A 90 ASTM A 764	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Fill Material	ACCEPTANCE Inspection	715.06		ITD-25 (Standard Diary)		
		No sample required	No testing required			
Compacting Backfill	ACCEPTANCE In-Place Density	512.03	AASHTO T 99 Method C or A AASHTO T 310 Method B	ITD-850	Each 2500 CY or 4000 tons (2000 m <sup>3</sup> or 3500 t)	Document compaction effort for each lift. Obtain check tests within 10 feet (3m) and at same depth as original test.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	Observation one (1) per project	
Geotextile	FOLLOW STANDARD SPECIFICATION SECTION 640					

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
STANDARD SPECIFICATION SECTION: <b>602 CULVERTS, 603 PIPE SIPHONS, 604 IRRIGATION PIPE LINES, 605 SEWERS, 606 PIPE UNDERDRAINS, 607 EMBANKMENT PROTECTORS, 608 APRONS FOR PIPE</b>						
Corrugated Metal Pipe and Pipe Arches	ACCEPTANCE Certification	706.06	AASHTO M 36M or M 196M	ITD-914 with mill test reports attached for steel & ITD-851 for aluminum	Total Quantity Paid	See QA Manual Sections 230.01 and 230.07
		Manufacturer	Manufacturer			
	ACCEPTANCE Certification	706.06	AASHTO M 36M Galvanized Coating	ITD-914 with QC results attached	Total Quantity Paid .	See QA Manual Section 230.07
		Manufacturer	Manufacturer			
Structural Plate Pipe, Pipe Arches and Arches	ACCEPTANCE Certification	708.20	AASHTO M 167 or M219	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Concrete Pipe for Sewer, Irrigation or Drainage,	ACCEPTANCE Certification	706.01 706.02 706.03	AASHTO M 86M ASTM C 118	ITD-851	Total Quantity Paid	See QA Manual Sections 230.01 and 230.04
		Manufacturer	Manufacturer			
Reinforced Concrete Culvert, Storm Drain and Sewer Pipe	ACCEPTANCE Certification	706.01 706.04	AASHTO M 170M	ITD-851	Total Quantity Paid	See QA Manual Sections 230.01 and 230.04
Pipe Underdrains (metallic coated corrugated steel, corrugated aluminum pipe, corrugated PE drainage tubing PVC pipe)	ACCEPTANCE Certification	706.07 706.08 706.10 706.14	AASHTO M 36M AASHTO M 196M AASHTO M 252M AASHTO M 278M	ITD-851 or ITD-914 for steel (with mill test reports attached)	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
ABS or PVC or PE Pipe	ACCEPTANCE Certification	706.13 706.14 706.15 706.16 706.17	ASTM D 2680 AASHTO M 278 ASTM F 794 AASHTO M 294 ASTM F 894	ITD-851	Total Quantity Paid	See QA Manual Section 230.06
		Manufacturer	Manufacturer			
Metal Aprons	ACCEPTANCE Certification	708.21	AASHTO M 36M or M 196M	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Concrete Aprons	ACCEPTANCE Certification	502.01(B)		ITD-875 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.06  Concrete Supplier's certification  Note locations on ITD-875
		Concrete Supplier	Concrete Supplier			
Gaskets for Concrete Pipe	ACCEPTANCE Certification	706.11	AASHTO M 198	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Rubber Gaskets for CMP	ACCEPTANCE Certification	706.12	ASTM D 1056	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Manhole Covers and Rings, Grates	ACCEPTANCE Certification	708.22	AASHTO M 105	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Catch Basins, Inlets & Manholes (Pre-cast)	ACCEPTANCE Certification	Standard Drawing E6		ITD-851	Total Quantity Paid	See QA Manual Section 230.05  Manufacturer's certification
		Manufacturer	Manufacturer			
Catch Basins, Inlets & Manholes (Cast in-Place)	ACCEPTANCE Certification	Standard Drawing E6		ITD-875 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.05  Concrete Supplier's certification  Note locations on ITD-875
		Manufacturer	Manufacturer			
Corrugated Metal Embankment Protectors	ACCEPTANCE Certification	607.02 706.06	AASHTO M 36 AASHTO M 196	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Compacting Backfill	FOLLOW STANDARD SPECIFICATION SECTION 210					
Drain Rock	ACCEPTANCE Certification	606.02	AASHTO T2 AASHTO T248 AASHTO T27	ITD-851 with QC gradation tests attached	Total Quantity Paid	See QA Manual Section 230.01
		Contractor	Contractor			
Geotextile	Follow Standard Specification Section 640					

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 609 MINOR STRUCTURES</b>						
Concrete Specified strength of 3000 psi (20.5 MPa) or less	ACCEPTANCE Certification	509 Concrete Supplier	Concrete Supplier	ITD-851 (Precast) ITD-875 (Cast in Place) with QC test results attached	Total Quantity Paid	See QA Manual Section 230.06 Concrete Supplier's certification Note locations on ITD-875.
Concrete Specified strength of 3500 psi (24.0 MPa) or greater	FOLLOW STANDARD SPECIFICATION SECTION 502					
Metal Reinforcement [with concrete of specified strength of 3000 psi (20.5 MPa) or less]	ACCEPTANCE Certification	708.02 Manufacturer	Manufacturer	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03 No samples required.
Metal Reinforcement [with concrete of specified strength of 3500 psi (24.0 MPa) or greater]	FOLLOW STANDARD SPECIFICATION SECTION 503					
Timber	ACCEPTANCE Certification	710 Manufacturer	Manufacturer	ITD-851	Total Quantity Paid	
Compacting Backfill	FOLLOW STANDARD SPECIFICATION SECTION 210					

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			

STANDARD SPECIFICATION SECTION: **610 FENCE**

610-1	Barbed Wire	708.09	AASHTO M 280	ITD-1044 (Sample Data)	Check barb count at least once for every 50 rolls or at least once (1) per project	If field tests meet specifications, record results on ITD-1044 and submit sample to Central Laboratory for tests. If any of the field test results do not meet specification, <b>reject</b> the material.
		ITD Project Personnel	ITD Project Personnel			

Field Tests (Include this information on the ITD-1044):

- Total number of barbs: Count total barbs in a 25 ft. (7.6 m) length. Test lengths must contain at least 69 barbs in 25 ft. (7.6 m) length for 4 in. (102 mm) spacing or 55 barbs in 25 ft. (7.6 m) length for 5 in. (127 mm) spacing.
- Cumulative average: Divide the total length by the total number of barbs.
- Individual percent barb spacing: Measure individual barb spacing (edge of one barb at the strand to corresponding edge of adjacent barb) over the same 25 ft. (7.6 m) section. Divide the number of compliant spacings by the total number of spaces times 100. At least 93.5% of individual barb spaces must conform to the barb spacing in the table below ± 3/4 in. (19 mm).

Table Condensed (see AASHTO M 280 for full table)

Strand Gage <sup>A</sup>	No. Points	Barb Spacing	Barb Gage <sup>A</sup>	Barb Shape
12½	2	4 (102)	13 <sup>B</sup>	Flat
12½	2	4 (102) or 5 (127)	14	Round
12½	4	5 (127)	14	Round
12½	4	5 (127)	14 <sup>B</sup>	Half-Round
12½	2	4 (102)	12½ <sup>B</sup>	Flat
13½	2	4 (102)	14	Round
13½	4	5 (127)	14	Round

Footnotes

<sup>A</sup> Nominal zinc-coated wire diameters:

12½ ga	0.099 in. (2.51mm)
13 ga	0.092 in. (2.32 mm)
13½ ga	0.086 in. (2.18 mm)
14 ga	0.080 in.(2.03 mm)

<sup>B</sup>Gage of flat and half-round barbs is gage of round wire before forming.

Note: If a sample is failing on the spacing, measure samples from two randomly selected rolls in the lot. If either one of the additional samples fail, reject the entire lot in the field.

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
Barbed Wire	ACCEPTANCE Laboratory Tests	708.09		ITD-1044 (Sample Data)	One (1) sample per each 50 spools delivered to project. Minimum one sample per project per Supplier.	<b>Sample Size: 6 linear feet (2 meters)</b> Barb spacing will not be checked in the lab as a 25ft (7.6 m) sample is required. Reject failing material.
		ITD Project Personnel	ITD Central Lab	ITD-1836 (Lab Report)		
Woven Wire	ACCEPTANCE Laboratory Tests	708.10		ITD-1044 (Sample Data)	One (1) sample per each 50 spools delivered to project. Minimum one sample per project per Supplier.	<b>Sample Size: 6 linear feet (2 meters)</b> Reject failing material.
		ITD Project Personnel	ITD Central Lab	ITD-1837 (Lab Report)		
Chain Link	ACCEPTANCE Laboratory Tests	708.13		ITD-1044 (Sample Data)	One (1) sample per each 50 rolls delivered to each project. Minimum one sample per project per Supplier.	<b>Sample Size: 3 linear feet (1 meter)</b> Reject failing material.
		ITD Project Personnel	ITD Central Lab	ITD-1838 (Lab Report)		
Metal Posts for all fence types	ACCEPTANCE Inspection	708.12	Field verification of ASTM A 702 or AASHTO M281 or AASHTO M181	ITD-854  ITD-25 (Standard Diary)	One (1) test for weight per 1000 posts	RE Letter-See <a href="#">QA Manual Section 250.00</a>
		ITD Project Personnel	ITD Project Personnel			
Wood Posts	ACCEPTANCE Inspection	710.08	No Testing Required	ITD-854	Total Quantity Paid	RE Letter- See <a href="#">QA Manual Section 250.00</a>
Gates	ACCEPTANCE Inspection	610.03	No Testing Required	ITD-854	Total Quantity Paid	RE Letter- See <a href="#">QA Manual Section 250.00</a>
Braces	ACCEPTANCE Inspection	610.03	No Testing Required	ITD-854	Total Quantity Paid	RE Letter- See <a href="#">QA Manual Section 250.00</a>
Hardware for Barbed or Woven Wire Fence	ACCEPTANCE Inspection	708.11	No Testing Required	ITD-854	Total Quantity Paid	RE Letter- See <a href="#">QA Manual Section 250.00</a>
NOTE: No samples required when total fence item is less than 50 LF. Acceptance by manufacturer's certification.						

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	BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
			SAMPLED BY	TESTED BY			
<b>610-3</b>	Concrete	ACCEPTANCE Certification		No Testing Required	ITD-875	Total Quantity Paid	See <a href="#">QA Manual Section 230.06</a> Concrete Supplier's certification

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
STANDARD SPECIFICATION SECTION: <b>611 CATTLE GUARDS</b>						
Concrete	ACCEPTANCE Certification	509		ITD-875 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.06  Concrete Supplier's certification
		Concrete Supplier	Concrete Supplier			
Metal Reinforcement	ACCEPTANCE Certification	708.02		ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
Structural Metals	ACCEPTANCE Certification	504.02	(1)	ITD-914 with mill test reports attached	Total Quantity Paid	
		Manufacturer	Manufacturer			
Culverts	FOLLOW STANDARD SPECIFICATION SECTION 602					
Fence	FOLLOW STANDARD SPECIFICATION SECTION 610					
<sup>(1)</sup> Fabrication Inspection by ITD Central Lab required when quantities over 16 Tons (15 t).						

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 612 METAL GUARDRAIL</b>						
Post and Blocks	ACCEPTANCE Certification	710.03 710.09		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Steel Rail and Fittings	ACCEPTANCE Certification	708.14		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Aluminum Rail and Fittings	ACCEPTANCE Certification	708.25		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Metal Terminal Section	ACCEPTANCE Certification <sup>(2)</sup>	Standard Drawings		ITD-851	Total Quantity Paid	Type 5 and Type 10 are certified as complete units, all other types need certifications for each component. See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Impact Attenuator (Temporary or Permanent)	ACCEPTANCE Certification <sup>(2)</sup>	[Spec. Prov.]		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
<sup>(2)</sup> Manufacturer's certification must indicate guardrail meets NCHRP 350 standards, where applicable, in addition to material requirements.						

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
STANDARD SPECIFICATION SECTION: <b>612 CONCRETE GUARDRAIL</b>						
Pre-Cast	ACCEPTANCE Certification <sup>(3)</sup>	502.01(B)		ITD-851	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.05
		Manufacturer	Manufacturer			
Cast-In-Place Specified strength of 3000 psi (20.5 MPa) or less	ACCEPTANCE Certification <sup>(3)</sup>	502.01(B)		ITD-875 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.06  Concrete Supplier's certification  Note locations on ITD-875.
		Concrete Supplier	Concrete Supplier			
Cast-In-Place Specified strength of 3500 psi (24.0 MPa) or greater	FOLLOW STANDARD SPECIFICATION SECTION 502					
Metal Reinforcement (Cast-In-Place only)	ACCEPTANCE Certification <sup>(3)</sup>	503.02 708.02		ITD-914 with mill test results attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
Concrete Terminal Section	ACCEPTANCE Certification <sup>(3)</sup>	Standard Drawings		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Impact Attenuator (Temporary or Permanent)	ACCEPTANCE Certification <sup>(3)</sup>	[Spec. Prov.]		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
<sup>(3)</sup> Manufacturer's certification must indicate guardrail meets NCHRP 350 standards, where applicable, in addition to material requirements.						

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS	
		SAMPLED BY	TESTED BY				
<b>STANDARD SPECIFICATION SECTION: 613 SIDEWALKS</b>							
<b>613</b>	Concrete	ACCEPTANCE Certification	509 Concrete Supplier	Concrete Supplier	ITD-875 with QC test results attached*	Total Quantity Paid	See QA Manual Section 230.06 Concrete Supplier's certification Note locations on ITD-875.
	Plant Mix	ACCEPTANCE Inspection	405	No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
	Road Mix	ACCEPTANCE Inspection	406	No Testing Required	ITD-854	Total Quantity Paid	RE Letter- See QA Manual Section 250.00
	Soil or Aggregate Under Sidewalk	ACCEPTANCE In-Place Density	613.02 ITD Project Personnel	AASHTO T310 ITD Project Personnel	ITD-850	One (1) per project	
<b>STANDARD SPECIFICATION SECTION: 614 URBAN APPROACHES</b>							
<b>614</b>	Concrete	ACCEPTANCE Certification	509 Concrete Supplier	Concrete Supplier	ITD-875 with QC test results attached*	Total Quantity Paid	See QA Manual Section 230.06 Concrete Supplier's certification Note locations on ITD-875.
	Plant Mix	ACCEPTANCE Inspection	405	No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
	Road Mix	ACCEPTANCE Inspection	406	No Testing Required	ITD-854	Total Quantity Paid	RE Letter- See QA Manual Section 250.00
	Soil or Aggregate Under Sidewalk	ACCEPTANCE In-Place Density	614.02 ITD Project Personnel	AASHTO T310 ITD Project Personnel	ITD-850	One (1) per project	
<b>STANDARD SPECIFICATION SECTION: 615 CURB AND GUTTER</b>							
<b>615</b>	Type A, B, C Concrete (cast in place, precast, extruded)	ACCEPTANCE Certification	509 Concrete Supplier	Concrete Supplier	ITD-875 with QC test results attached*	Total Quantity Paid	See QA Manual Section 230.06 Concrete Supplier's certification Note locations on ITD-875.
	Type D Plant Mix	ACCEPTANCE Inspection		No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
* When total is less than 50CY, QC tests can be from previous batches in the 30 days prior to the first placement.							

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 616 SIGNS AND SIGN SUPPORTS</b>						
Sign Material <i>All materials for signs and sign supports require certification for acceptance. Acceptance of all components on one ITD-851 certification form is acceptable as long as the components are listed on the ITD-851.</i>	ACCEPTANCE Certification	Extruded Aluminum 708.26		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
	ACCEPTANCE Certification	Sheet Aluminum 708.27		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
	ACCEPTANCE Certification	Steel and Aluminum sign supports 708.17(A)		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
	ACCEPTANCE Certification	Hardware for signs 708.18		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
	ACCEPTANCE Certification	Plywood for Type E signs 712.01		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
ACCEPTANCE Certification	Reflective Sheeting 712.02		ITD-851	Total Quantity Paid	See QA Manual Section 230.01	
	Manufacturer	Manufacturer				
ACCEPTANCE Certification	Reflective removable cutouts 712.02 E		ITD-851	Total Quantity Paid	See QA Manual Section 230.01	
	Manufacturer	Manufacturer				
ACCEPTANCE Certification	Porcelain Enamel 712.05		ITD-851	Total Quantity Paid	See QA Manual Section 230.01	
	Manufacturer	Manufacturer				
ACCEPTANCE Certification	Polyester Powder Coating 712.06		ITD-851	Total Quantity Paid	See QA Manual Section 230.01	
	Manufacturer	Manufacturer				

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
Overhead Sign Structures	ACCEPTANCE Certification	708.17(B)		ITD-851 or ITD-914 for steel (with mill test reports attached)	Total Quantity Paid	ITD Central Lab Inspection required
		Manufacturer	Manufacturer			
Breakaway Wood Posts	ACCEPTANCE Certification	710.02 710.09		ITD-851	Total Quantity Paid	See QA Manual Section 230.01 The manufacturer must provide a copy of the wood treatment certification to ITD Central Laboratory.
		Manufacturer	Manufacturer			
Steel Brackets and Brace angles	ACCEPTANCE Certification	708.17(A)		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Breakaway Steel Sign Posts	ACCEPTANCE Certification	708.17(A)		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Breakaway Steel Sign Post Installation	ACCEPTANCE Inspection	708.17(A)		ITD-854	Total Quantity Paid	See QA Manual Section 230.01
Concrete Specified strength of 3000 psi (20.5 MPa) or less	ACCEPTANCE Certification	502.01(B)		ITD-875 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.06 Concrete supplier's certification Note locations on ITD-875
		Concrete Supplier	Concrete Supplier			
Concrete Specified strength of 3500 psi (24.0 MPa) or greater	FOLLOW STANDARD SPECIFICATION SECTION 502					
Metal Reinforcement [with concrete of specified strength of 3000 psi (20.5 MPa) or less]	ACCEPTANCE Certification	708.02		ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03 No samples required.
		Manufacturer	Manufacturer			
Metal Reinforcement [with concrete of specified strength of 3500 psi (24.0 MPa) or greater]]	FOLLOW STANDARD SPECIFICATION SECTION 503					

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
STANDARD SPECIFICATION SECTION: <b>617 DELINEATORS AND MILEPOSTS</b>						
Steel Posts	ACCEPTANCE Certification	708.16		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Aluminum Posts	ACCEPTANCE Certification	708.16		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Delineator and Milepost Plates	ACCEPTANCE Certification	708.15		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Reflector Units	ACCEPTANCE Certification	712.04		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Reflective Sheeting	ACCEPTANCE Certification	712.02		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Silk Screen Paste	ACCEPTANCE Certification	712.08		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 618 MARKER POSTS, WITNESS POSTS AND STREET MONUMENTS</b>						
Right-of-Way Markers	ACCEPTANCE Inspection	618.02	No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
Brass Caps	ACCEPTANCE Inspection	708.28	No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
Reference Markers	ACCEPTANCE Inspection	618.02	No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
Project Markers	ACCEPTANCE Inspection	618.02	No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
Witness Posts	ACCEPTANCE Inspection	Steel 708.16	No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
	ACCEPTANCE Inspection	Wood 710.09	No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
	ACCEPTANCE Inspection	Fiberglass 618.02	No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
Street Monuments	ACCEPTANCE Inspection	618.02	No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 619 ILLUMINATION</b>						
Illumination Poles and Bases	ACCEPTANCE Certification	708.19 710.06		ITD-851 or ITD-914 for steel (with mill test reports attached)	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
Illumination Components	ACCEPTANCE Inspection	710.07 713.01 713.02 713.03 713.04 713.05 713.06	No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
Concrete Specified strength of 3000 psi (20.5 MPa) or less	ACCEPTANCE Certification	502.01(B)		ITD-875 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.06  Concrete Supplier's certification  Note locations on ITD-875
		Concrete Supplier	Concrete Supplier			
Concrete Specified strength of 3500 psi (24.0 MPa) or greater	FOLLOW STANDARD SPECIFICATION SECTION 502					
Metal Reinforcement [with concrete of specified strength of 3500 psi (24.0 MPa) or greater]	FOLLOW STANDARD SPECIFICATION SECTION 503					
Metal Reinforcement [with concrete of specified strength of 3000 psi (20.5 MPa) or less]	ACCEPTANCE Certification	503.02 708.02		ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03  No samples required.
		Manufacturer	Manufacturer			

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 620 PLANTING</b>						
Plants, Commercial Fertilizer, Soil Conditioner, Topsoil, Mulch	ACCEPTANCE Inspection	711.06 711.07 711.08 711.09 711.10 711.12	No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
<b>STANDARD SPECIFICATION SECTION: 621 SEEDING</b>						
Seed, Mulch, Commercial Fertilizer, Erosion Blanket	ACCEPTANCE Certification	711.05 711.07 711.10 711.11 711.12 711.16	AOSA	ITD-851* with Laboratory Analysis Report attached	Total Quantity Paid	See QA Manual Section 230.12 Note: State furnished seed is accepted to use on projects but MUST be sampled and tested. Unless it meets all the parameters in QA Manual 230.12. Include completed ITD-1044 to test lab with seed sample. Send copy of ITD-1044 to HQ Highway Operations, Attention: Roadside Program Administrator *ITD 851 for contractor supplied seed and not needed for State furnished seed.
	VERIFICATION Laboratory Test <u>Seed Only</u>	711.05	Purity, Germination & TZ	ISDA Test Results	One (1) for each individually packaged seed containers from each species	
<b>STANDARD SPECIFICATION SECTION: 622 PRE-CAST CONCRETE HEADGATES</b>						
Pre-Cast Concrete Head gates	ACCEPTANCE Certification	502.01(B) Manufacturer	Manufacturer	ITD-851	Total Quantity Paid	See QA Manual Section 230.05
<b>STANDARD SPECIFICATION SECTION: 623 CONCRETE SLOPE PAVING</b>						
Concrete	ACCEPTANCE Certification	502.01(B) Concrete Supplier	Concrete Supplier	ITD-875 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.06 Concrete Supplier's certification Note locations on ITD-875
Pre-formed- expansion Joint Fillers	ACCEPTANCE Certification	623.02 Manufacturer	AASHTO M 213 Manufacturer	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
Compaction	FOLLOW STANDARD SPECIFICATION SECTION 205 OR 303					

	BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
			SAMPLED BY	TESTED BY			
<b>624</b>	<b>STANDARD SPECIFICATION SECTION: 624 RIPRAP</b>						
	Loose and Hand Placed	ACCEPTANCE Inspection	711.04	Initial testing required for Apparent Specific Gravity, Absorption, and Coarse durability Index. Only visual inspection during placement.	ITD-854	Total Quantity Paid	RE Letter-See <a href="#">QA Manual Section 250.00</a>
	Sack and Concrete Stabilized	ACCEPTANCE Inspection	711.04	Initial testing required for Apparent Specific Gravity, Absorption, and Coarse durability Index. Only visual inspection during placement.	ITD-854	Total Quantity Paid	RE Letter-See <a href="#">QA Manual Section 250.00</a>
<b>625</b>	<b>STANDARD SPECIFICATION SECTION: 625 JOINTS</b>						
	Pre-Formed Expansion Joint Filler	ACCEPTANCE Certification	704.01		ITD-851	Total Quantity Paid	See <a href="#">QA Manual Section 230.01</a>
			Manufacturer	Manufacturer			
	Hot Poured Elastic Type Concrete Joint Sealer	ACCEPTANCE Certification	704.02		ITD-851	Total Quantity Paid	See <a href="#">QA Manual Section 230.01</a>
			Manufacturer	Manufacturer			
	Hot Poured Elastomeric Type Concrete Joint Sealer	ACCEPTANCE Certification	704.03		ITD-851	Total Quantity Paid	See <a href="#">QA Manual Section 230.01</a>
Manufacturer			Manufacturer				
Neoprene Compression Seal	ACCEPTANCE Certification	704.04		ITD-851	Total Quantity Paid	See <a href="#">QA Manual Section 230.01</a>	
		Manufacturer	Manufacturer				
Silicone Sealant	ACCEPTANCE Certification	704.05		ITD-851 with test results attached	Total Quantity Paid	See <a href="#">QA Manual Section 230.01</a>	
			Independent Laboratory	Independent Laboratory			

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 626 CONSTRUCTION TRAFFIC CONTROL DEVICES</b>						
Rent Construction Signs, Barricades, Drums, Portable Tubular Markers, Incidental Traffic Control Items	ACCEPTANCE Inspection	Reflectivity <a href="#">712.02</a>	No Testing Required	<a href="#">ITD-854</a>	Total Quantity Paid	RE Letter-See <a href="#">QA Manual Section 250.00</a>
Rent Vertical Panels, Advance Warning Arrow Panel, Traffic Control Signal, Hazard Identification Beacon	ACCEPTANCE Inspection	Reflectivity <a href="#">712.02</a>	No Testing Required	<a href="#">ITD-854</a>	Total Quantity Paid	RE Letter-See <a href="#">QA Manual Section 250.00</a>
Temporary Pavement Striping Tape	ACCEPTANCE Inspection	Reflectivity <a href="#">712.02</a>	No Testing Required	<a href="#">ITD-854</a>	Total Quantity Paid	RE Letter-See <a href="#">QA Manual Section 250.00</a>
Temporary Flexible Raised Pavement Marker	ACCEPTANCE Inspection	Reflectivity <a href="#">712.02</a>	No Testing Required	<a href="#">ITD-854</a>	Total Quantity Paid	RE Letter-See <a href="#">QA Manual Section 250.00</a>
Temporary Rigid Raised Pavement Marker	ACCEPTANCE Inspection	Reflectivity <a href="#">712.02</a>	No Testing Required	<a href="#">ITD-854</a>	Total Quantity Paid	RE Letter-See <a href="#">QA Manual Section 250.00</a>

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 627 PAINTING</b>						
Painting Steel <sup>(4)</sup>	ACCEPTANCE Pre-Tests <sup>(4)</sup>	707.02		ITD-1832	All lots (1-quart can sample size)	Record lot numbers and lab numbers of approved pre- tested paint from ITD Central Lab letter.
		Coordinate with ITD Central Lab	ITD Central Lab			
	ACCEPTANCE Certification	707.03		ITD-851	Total Quantity Paid	See <a href="#">QA Manual Section 230.01</a>
		Manufacturer	Manufacturer			
Painting Wood <sup>(4)</sup>	ACCEPTANCE Pre-Tests <sup>(4)</sup>	707.02		ITD-841	All lots (1-quart can sample size)	Record lot numbers and lab numbers of approved pre- tested paint from ITD Central Lab letter and/ or <a href="#">ITD-841</a> .
		Coordinate with ITD Central Lab	ITD Central Lab			
	ACCEPTANCE Certification	707.03		ITD-851	Total Quantity Paid	See <a href="#">QA Manual Section 230.01</a>
		Manufacturer	Manufacturer			
Painting Concrete <sup>(4)</sup>	ACCEPTANCE Pre-Tests <sup>(4)</sup>	707.02		ITD-1832	All lots (1-quart can sample size)	Record lot numbers and lab numbers of approved pre- tested paint from ITD Central Lab letter.
		Coordinate with ITD Central Lab	ITD Central Lab			
	ACCEPTANCE Certification	707.03		ITD-851	Total Quantity Paid	See <a href="#">QA Manual Section 230.01</a>
		Manufacturer	Manufacturer			
<sup>(4)</sup> Acceptance by manufacturer's certification when total project quantity is less than 25 gallons.						

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 628 SNOW POLES</b>						
Rigid Posts for Delineators, Snow Poles, and Mileposts or Kilometer Posts	ACCEPTANCE Inspection	708.16	No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
Reflector Units for Delineators	ACCEPTANCE Inspection	712.04	No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
Flexible Snow Poles	ACCEPTANCE Approved List	712.11		Qualified Products List		
		Manufacturer	Manufacturer			
<b>STANDARD SPECIFICATION SECTION: 634 MAILBOX</b>						
Type I Support/ Foundation	ACCEPTANCE Certification	708.16		ITD-851	Total Quantity Paid	-See QA Manual Section 230.00
		710.02	Manufacturer			
Mailbox	ACCEPTANCE Inspection	634.02	No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
<b>STANDARD SPECIFICATION SECTION: 635 ANTI-SKID MATERIAL</b>						
Aggregate (Production)	ACCEPTANCE Gradation	703.10	AASHTO T 2 AASHTO T 248 AASHTO T 11 AASHTO T 27	ITD-901	Each 1000 Tons (900 t)	
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Gradation Sand Equivalent	IA Inspector	IA Inspector	ITD-857	Each 20,000 Tons (18,000 t)	

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: 640 GEOTEXTILES</b>						
Drainage Geotextile	ACCEPTANCE Certification	718.05		ITD-849 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.09
		Manufacturer	Manufacturer			
Drainage Geotextile	VERIFICATION Laboratory Tests <sup>(5)</sup>	718.05		ITD-1044 <sup>(5A)</sup> (Sample Data) ITD-1047 (Lab Reports)	One (1) sample per lot	See QA Manual Section 230.09
		ITD Project Personnel	ITD Central Lab			
Riprap/Erosion Geotextile	ACCEPTANCE Certification	718.06		ITD-849 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.09
		Manufacturer	Manufacturer			
Riprap/Erosion Geotextile	VERIFICATION Laboratory Tests <sup>(5)</sup>	718.06		ITD-1044 <sup>(5A)</sup> (Sample Data) ITD-1047 (Lab reports)	One (1) sample per lot	See QA Manual Section 230.09
		ITD Project Personnel	ITD Central Lab			
Subgrade Separation Geotextile	ACCEPTANCE Certification	718.07		ITD-849 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.09
		Manufacturer	Manufacturer			
Subgrade Separation Geotextile	VERIFICATION Laboratory Tests <sup>(5)</sup>	718.07		ITD-1044 <sup>(5A)</sup> (Sample Data) ITD-1047 (Lab reports)	One (1) sample per lot	See QA Manual Section 230.09
		ITD Project Personnel	ITD Central Lab			
Pavement Overlay Geotextile	ACCEPTANCE Certification	718.08		ITD-849 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.09
		Manufacturer	Manufacturer			
Pavement Overlay Geotextile	VERIFICATION Laboratory Tests <sup>(5)</sup>	718.08		ITD-1044 <sup>(5A)</sup> (Sample Data) ITD-1047 (Lab Reports)	One (1) sample per lot	See QA Manual Section 230.09
		ITD Project Personnel	ITD Central Lab			
<sup>(5)</sup> No Samples required for quantities less than 600 square yards (500 square meters). <sup>(5A)</sup> Include acceptance certification documents with ITD-1044 and sample.						

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
Geogrid	ACCEPTANCE Certification	[Spec. Prov.]		ITD-849 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.09
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests <sup>(5)</sup>	[Spec. Prov.]		ITD-1044 <sup>(5A)</sup> (Sample Data) ITD-1048 (Lab Reports)	One (1) sample per lot	See QA Manual Section 230.09
		ITD Project Personnel	ITD Central Lab			
<p><sup>(5)</sup> No Samples required for quantities less than 600 square yards (500 square meters).</p> <p><sup>(5A)</sup> Include acceptance certification documents with <a href="#">ITD-1044</a> and sample.</p> <p>The following geosynthetic materials cannot be tested by ITD and will be accepted by certifications with required form No. ITD-849 with QC test results attached:</p> <ul style="list-style-type: none"> <li>• Prefabricated Vertical Drain (Wick Drain), Prefabricated Drainage Mat (Geocomposite Drainage System), Edge Drain, Geonet.</li> <li>• Geocell (Cellular Confinement System)</li> <li>• Geomembrane, Geosynthetic Clay Liner</li> </ul>						

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BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS	
		SAMPLED BY	TESTED BY				
<b>STANDARD SPECIFICATION SECTION: 656 TRAFFIC SIGNAL INSTALLATION</b>							
<b>656</b>	Signal Poles and Mast Arms	ACCEPTANCE Certification	656.02 Manufacturer	Manufacturer	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
	Signal Components	ACCEPTANCE Inspection		No Testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
	Signal Cabinet Electrical Components	ACCEPTANCE PRE-TEST		HQ or District Traffic	ITD-500 memo		Post acceptance memo on MSR
	State-Furnished Material		No Testing Required	No Testing Required			
	Concrete Specified strength of 3000 psi (20.5 MPa) or less	ACCEPTANCE Certification	502.01(B) Concrete Supplier	Concrete Supplier	ITD-875 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.06 Note locations on ITD-875
	Concrete Specified strength of 3500 psi (24.0 MPa) or greater	FOLLOW STANDARD SPECIFICATION SECTION 502					
	Metal Reinforcement [with concrete of specified strength of 3500 psi (24.0 MPa) or greater]	FOLLOW STANDARD SPECIFICATION SECTION 503					
	Metal Reinforcement [with concrete of specified strength of 3000 psi (20.5 MPa) or less]	ACCEPTANCE Certification	503.02 708.02 Manufacturer	Manufacturer	ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03 No samples required

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
STANDARD SPECIFICATION SECTION: <b>MISCELLANEOUS BUILDING ITEMS</b>						
Compaction	ACCEPTANCE Density	205.03 ITD Project Personnel	AASHTO T 310 ITD Project Personnel	ITD-850	At least one (1) per project	
Structural Concrete (Footings, Foundations, Piers)	FOLLOW STANDARD SPECIFICATION SECTION 502					
Non-Structural Concrete (Sidewalks, Driveways, Slabs)	ACCEPTANCE Certification	502.02 Concrete Supplier	Concrete Supplier	ITD-875 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.06 Concrete Supplier's certification Note locations on ITD-875
Metal Reinforcement (for structural concrete- footings, foundations, piers)	FOLLOW STANDARD SPECIFICATION SECTION 503					
Paint	FOLLOW STANDARD SPECIFICATION SECTION 627 (No sampling or testing required when total project quantity is less than 25 gallons.)					

MISCELLANEOUS BUILDING ITEMS

BID ITEM/ MATERIAL	PURPOSE OF TESTING	ITD SPEC. REF.	TEST METHOD	REQUIRED REPORT FORM NO.	MINIMUM REQUIRED FREQUENCY	REMARKS, NOTES OR ADDITIONAL DIRECTIONS
		SAMPLED BY	TESTED BY			
<b>STANDARD SPECIFICATION SECTION: MISCELLANEOUS ITEMS</b>						
Magnesium Chloride for Dust Control	ACCEPTANCE Laboratory Tests	[Spec. Prov.]	Per Specs	ITD-1044 (Sample Data) ITD-1822	Each 100 tons or one (1) per project	Follow Special Provision requirements for acceptance; either by test or by certification.
		ITD Project Personnel	ITD Central Lab			
	ACCEPTANCE Certification	[Spec. Prov.]		ITD-851	Total Quantity Paid	See QA Manual Section 230.01 for certification requirements.
		Manufacturer	Manufacturer			
Epoxies	ACCEPTANCE Certification	720.04		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Traffic Line Paint <sup>(6)</sup>	ACCEPTANCE Laboratory Tests	ITD Project Personnel	ITD Central Lab	ITD-1830 (Waterborne) Or ITD-1831 (Others)	Each lot used on Project	Record lot numbers and lab numbers of approved pre-tested paint from ITD Central Lab letter.  Do not collect Sample from striper paint guns.  *Not project specific. Reject if totes do not match lot numbers.
Methyl Methacrylate (MMA) Pavement Markings (8)	ACCEPTANCE Laboratory Tests	Manufacturer	ITD Central Lab	ITD -1831	Each lot used on Project	Manufacturer provides samples to Central Laboratory. Allow 14 days for pre-test results.
	ACCEPTANCE Certification <sup>(6)</sup>	Manufacturer	Manufacturer	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
Thermoplastic Pavement Markings	ACCEPTANCE Certification	Manufacturer	Manufacturer	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
Glass Beads	ACCEPTANCE Laboratory Tests	ITD Project Personnel	ITD Central Lab	ITD-1828	Each lot used on Project (Sample must be left in manufacturer's bag.)	Record lot numbers and lab numbers of approved pre-tested paint from ITD Central Lab letter.  *Not project specific.
<sup>(6)</sup> Acceptance by manufacturer's certification when total project quantity is less than 55 gallons. <sup>(7)</sup> Acceptance by manufacturer's certification when total project quantity is less than 350 pounds. <sup>(8)</sup> When warranty applies, no samples or certifications required. A copy of the warranty must be in the project files; post a remark on MSR.						