

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 Natural ground under embankments	ACCEPTANCE In-Place Density (1)	205.03-E	FOP for AASHTO T 99 FOP for AASHTO T 180 FOP for AASHTO T 272 Idaho IT-74 FOP for AASHTO T 310 Method B	ITD-850	Each 5,000 SY.	Document compaction effort (equipment, number of passes etc.) for lifts not tested. After remedial efforts, obtain check tests within 10 feet and at same depth as original test. See QA Manual Section 215.00
	INDEPENDENT ASSURANCE In-Place Density	ITD Project Personnel	ITD Project Personnel			
Excavation  Subgrade Embankment Fill	ACCEPTANCE In-Place Density (1)	205.03-E	FOP for AASHTO T 99 FOP for AASHTO T 180 FOP for AASHTO T 272 Idaho IT-74 FOP for AASHTO T 310 Method B	ITD-850	Each 2,500 CY or 4,000 tons but not less than 1 test per lift for each bottom 3 and each top 3 lifts and 1 test every 2,500 CY or 4,000 tons in between.	Document compaction effort (equipment, number of passes etc.) for lifts not tested. After remedial efforts, obtain check tests within 10 feet and at same depth as original test. See QA Manual Section 215.00
	INDEPENDENT ASSURANCE In-Place Density	ITD Project Personnel	ITD Project Personnel			
(1) Document that the material is too granular to test on the ITD-850 by completing gradation, compaction effort (including equipment and roller passes), and SE (for granular borrow and if more than 5% passing the #200 sieve) at the same frequency as the required density acceptance.						
Note: Median areas and on slopes (approximate 2H:1V) that are outside the roadway prism where Class D compaction is required, fill out ITD-850 listing at least one coverage using Engineer approved track-type or rubber-tired earth moving equipment.						

205-1

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			
TYPE OF CONSTRUCTION						
Borrow Subgrade Embankment Fill	ACCEPTANCE In-Place Density (1)	205.03 -E	FOP for AASHTO T 99 FOP for AASHTO T 180 FOP for AASHTO T 272 Idaho IT-74 FOP for AASHTO T 310 Method B	ITD-850	Each 2,500 CY or 4,000 tons but not less than 1 test per lift for each bottom 3 and each top 3 lifts and 1 test every 2,500 CY or 4,000 tons in between.	Document compaction effort (equipment, number of passes etc.) for lifts not tested.  After remedial efforts, obtain check tests within 10 feet and at same depth as original test. See QA Manual Section 215.00
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	1 observation per project	
Granular Borrow Subgrade Embankment Fill	ACCEPTANCE In-Place Density (1)	205.03 -E	FOP for AASHTO T 99 FOP for AASHTO T 180 FOP for AASHTO T 272 Idaho IT-74 FOP for AASHTO T 310 Method B	ITD-850	Each 5,000 CY but not less than one test per lift for each bottom 3 and each top 3 lifts and 1 test every 5,000 CY in between.	Document compaction effort (equipment, number of passes etc.) for lifts not tested.  After remedial efforts, obtain check tests within 10 feet and at same depth as original test. See QA Manual Section 215.00
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	1 observation per project	
	ACCEPTANCE Sand Equivalent (2)	205.02	FOP for AASHTO T 27 FOP for AASHTO T 11 FOP for AASHTO T 176 Alt. Method 2, Mechanical	ITD-901	Each 10,000 CY	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	
Soft Spot Repair	ACCEPTANCE In-Place Density (1)	205.03 -D	FOP for AASHTO T 99 FOP for AASHTO T 180 FOP for AASHTO T 272 Idaho IT-74 FOP for AASHTO T 310 Method B	ITD-850	Each repair area or combination of areas but not less than each 300 SF	
		ITD Project Personnel	ITD Project Personnel			
(1) Document that the material is too granular to test on the ITD-850 by completing gradation, compaction effort (including equipment and roller passes), and SE (for granular borrow and if more than 5% passing the #200 sieve) at the same frequency as the required density acceptance.						
(2) Sand Equivalent is not required if the material has less than 5% passing the No. 200 sieve in accordance with AASHTO T 27/T 11. Document on Form ITD-901.						
Note: Median areas and on slopes (approximate 2H:1V) that are outside the roadway prism where Class D compaction is required, fill out ITD-850 listing at least one coverage using Engineer approved track-type or rubber tired-earth moving equipment.						

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	ACCEPTANCE In-Place Density (1)	205.03 209.03	FOP for AASHTO T 99 FOP for AASHTO T 180 FOP for AASHTO T 272 Idaho IT-74 FOP for AASHTO T 310 Method B	ITD-850	1 per project	Testing required only when constructed upon dikes per Standard Specification Subsection 209.03.
When constructed upon dikes		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	1 observation per project	
<p>(1) Document that the material is too granular to test on the ITD-850 by completing gradation, compaction effort (including equipment and roller passes), and SE (for granular borrow and if more than 5% passing the #200 sieve) at the same frequency as the required density acceptance.</p> <p>Note: Median areas and on slopes (approximate 2H:1V) that are outside the roadway prism where Class D compaction is required, fill out ITD-850 listing at least one coverage using Engineer approved track-type or rubber-tired earth moving equipment.</p>						

209

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	FOP for AASHTO T 99 FOP for AASHTO T 180 FOP for AASHTO T 272 Idaho IT-74 FOP for AASHTO T 310 Method B	ITD-850	Each 2,500 CY or 4,000 tons for each structure component.  Abutments for Bridge approach slabs not less than one test per 8-in compacted lift.	Document compaction effort for each lift.  After remedial efforts, obtain check tests within 10 feet and at same depth as original test.  See QA Manual Section 215.00
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	1 observation per project	
Compacting Backfill (Pipe Backfill)	ACCEPTANCE In-Place Density (1)	210.03	FOP for AASHTO T 99 FOP for AASHTO T 180 FOP for AASHTO T 272 Idaho IT-74 FOP for AASHTO T 310 Method B	ITD-850	Each 200 LF of pipe installed, but no less than 1 test per pipe installed.	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	1 observation per project	
Compacting Backfill (Retaining Wall Backfill)	ACCEPTANCE In-Place Density (1)	210.03	FOP for AASHTO T 99 FOP for AASHTO T 180 FOP for AASHTO T 272 Idaho IT-74 FOP for AASHTO T 310 Method B	ITD-850	Each 2,500 CY or 4,000 Tons	Document compaction effort for each lift.  After remedial efforts, obtain check tests within 10 feet and at same depth as original test.  See QA Manual Section 215.00
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	1 observation per project	
(1) Document that the material is too granular to test on the ITD-850 by completing gradation, compaction effort (including equipment and roller passes), and SE (for granular borrow and if more than 5% passing the #200 sieve) at the same frequency as the required density acceptance.						
Note: Median areas and on slopes (approximate 2H:1V) that are outside the roadway prism where Class D compaction is required, fill out ITD-850 listing at least one coverage using Engineer approved track-type or rubber-tired earth moving equipment.						

210

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 Manufacturer	Manufacturer	ITD-914 with mill test report attached for steel/iron ITD-851 (All other material)	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03 If Specification requires removal then ITD-914 is not required
Fiber Wattles	ACCEPTANCE Certification	711.20 Manufacturer	Manufacturer	ITD-851	Total Quantity Paid	Certified noxious weed-free grain straw
Sediment Trap	ACCEPTANCE (Erosion Control Geotextile) Certification	212.03-B Manufacturer	Manufacturer	ITD-849	Total Quantity Paid	See QA Manual Section 230.09
Silt Fence	ACCEPTANCE Certification	212.03-B 718.09 Manufacturer	Manufacturer	ITD-849	Total Quantity Paid	See QA Manual Section 230.09
Diversion Channels and Ditches	ACCEPTANCE Inspection	212.03-B No sample required	No testing required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
	ACCEPTANCE Certification	212.03-B Manufacturer	Manufacturer	ITD-849 (When Erosion Control Geotextile used)	Total Quantity Paid	See QA Manual Section 230.09
Dikes and Berms	ACCEPTANCE Inspection	212.03 -B No sample required	No testing required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
Open-top Culvert	ACCEPTANCE Inspection	212.03-B No sample required	No testing required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
Water Bar	ACCEPTANCE Inspection	212.03-B No sample Required	No testing Required	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00

212-1

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			
TYPE OF CONSTRUCTION						
Siltation Berm	ACCEPTANCE Inspection	212.03-B		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-B		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-B		ITD-849	Total Quantity Paid	See QA Manual Section 230.09
Manufacturer	Manufacturer					
Soil Binder	ACCEPTANCE Certification	212.03-B		ITD-851	Total Quantity Paid	Certification of non-toxic properties
		Manufacturer	Manufacturer			
Gabion	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 512					
Revet Mattress	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 512					
Stone Filter Berms/Dams	ACCEPTANCE	212.03-C Permanent Measures		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
	Inspection	No sample required	No testing required			
Sediment Basin	ACCEPTANCE	212.03-C Permanent Measures		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
	Inspection	No sample required	No testing required			

212-2

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			
<b>STANDARD SPECIFICATION SECTION: 301- GRANULAR SUBBASE</b>						
Aggregate	ACCEPTANCE  Gradation(1) Sand Equivalent	301.02 703.11	FOP for AASHTO T 2 FOP for AASHTO R 76 FOP for AASHTO T 27 FOP for AASHTO T 255 FOP for AASHTO T 265 FOP for AASHTO T 176 Alt. Method 2, Mechanical	ITD-901	Each 5,000 Tons or 3,000 CY	Acceptance from windrow or roadway.  Wash method not required.  Moisture percent required for payment only
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE  Gradation Sand Equivalent	IA Inspector	IA Inspector	ITD-857	Each 100,000 Tons	
(1) The test sample mass for sieve analysis will be determined using the nominal maximum size of the tested material according to FOP for AASHTO T27, except the maximum test sample mass, after reduction, will not be greater than 65 lb.						
Compacted Roadway	ACCEPTANCE  In-Place Density	301.02	FOP for Idaho IT-74 FOP for AASHTO T 180 FOP for AASHTO T 310 Method B	ITD-850	Each 5,000 Tons	Contractor is responsible to provide FOP for Idaho IT 74 density curve.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE  In-Place Density	IA Inspector	IA Inspector	ITD-857	1 observation per project	
Recycled Asphalt Pavement	ACCEPTANCE  Gradation	301.02	Visual Inspection	ITD-854	Each 5,000 Tons	
		ITD Project Personnel	ITD Project Personnel			
	ACCEPTANCE  In-Place Density	301.03	FOP for AASHTO T 355 modified	ITD-854	Each 7,200 SY but not less than 1 test each lift	
		ITD Project Personnel	ITD Project Personnel			

301

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	702.03 702.05		Loading Certificate	Each shipment to the project	See QA Manual Section 230.11
		Manufacturer	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	FOP for AASHTO R 66 AASHTO T 59	ITD-1045	1 undiluted sample per project	<sup>(1)</sup> No samples for laboratory testing required when total project quantity is less than 2,000 Gal (8 tons).
		ITD Project Personnel	ITD Central Laboratory			
Aggregate (prior to mixing)	ACCEPTANCE Gradation Sand Equivalent Fracture Count	302.02 703.04	FOP for AASHTO T 2 FOP for AASHTO R 76 FOP for AASHTO T 27 FOP for AASHTO T 11 FOP for AASHTO T 255 FOP for AASHTO T 265 FOP for AASHTO T 176 Alt.Method 2, Mechanical FOP for AASHTO T 335 Method 1	ITD-901	Each 700 CY or 1,000 Tons	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 or 20,000 tons	
Compacted Roadway	ACCEPTANCE In-Place Density	302.03	FOP for AASHTO T 310 Method B	ITD-850	Each 700 CY or 1,000 Tons	
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	1 observation per project	

302



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	FOP for AASHTO T 2 FOP for AASHTO R 76 FOP for AASHTO T 27 FOP for AASHTO T 11 FOP for AASHTO T 255 FOP for AASHTO T 265 FOP for AASHTO T 176 Alt.Method 2, Mechanical FOP for AASHTO T 335 Method 1	ITD-901	Each 700 CY or 1,000 Tons	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 or 20,000 tons	
Compacted Roadway	ACCEPTANCE In-Place Density	303.02	FOP for AASHTO T 310 Method B	ITD-850	Each 700 CY or 1,000 tons	Contractor is responsible for providing an FOP for Idaho T 74 density curve.
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	1 observation per project	

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>STANDARD SPECIFICATION SECTION: 304 – RECONDITIONING</b>						
304  Pulverizing Roadbed	ACCEPTANCE Gradation	304.03	Visual Inspection	ITD-854	Prior to compaction each lane mile	
		ITD Project Personnel	ITD Project Personnel			
	ACCEPTANCE In-Place Density	304.03	FOP for AASHTO T 310 Method A modified (CRABS)	ITD-1866 or ITD-854	Establish roller pattern every lane mile.	Acceptance at roadway.
		ITD Project Personnel	ITD Project Personnel			
Soft Spot Repair	ACCEPTANCE In-Place Density	205.03 D 304.03	FOP for AASHTO T 310 Method B	ITD-850	Each repair area or combination of areas but not less than each 1,500 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	FOP for AASHTO T 2 FOP for AASHTO T 27	ITD-901	Each 1,800 CY or 2,500 Tons	Acceptance at Crusher Conveyor Belt  Reducing & wash method not required for Class I & II  Drying to constant mass is not required for Class I & II
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Gradation	IA Inspector	IA Inspector	ITD-857	Each 14,000 CY or 20,000 Tons	Field Test samples will be used for IA evaluation. No split samples required.
	ACCEPTANCE In-place Density	307.03	Method Specification	ITD-850	Each 3,000 LF but not less than once per day	
ITD Project Personnel		ITD Project Personnel				
<sup>(1)</sup> The minimum test sample mass for FOP for AASHTO T27 Sieve Analysis will be 65 lb.						

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>308 - CEMENT RECYCLED ASPHALT BASE STABILIZATION (CRABS)</b>						
Cement	ACCEPTANCE Certification	701.01	AASHTO M 85	Bill of Lading with chemical analysis attached	Weekly	See QA Manual Sections 230.02 and 230.02.01
		Manufacturer	Manufacturer			
Pulverizing Roadbed	ACCEPTANCE Gradation	308.03	Visual Inspection	ITD-854	Prior to compaction each lane mile	
		ITD Project Personnel	ITD Project Personnel			
Compacted Roadway	ACCEPTANCE In-Place Density	308.03	FOP for AASHTO T 310 Method A modified (CRABS)	ITD-850 ITD-1866	Verify the contractor met the density specification every lane mile or when mixture properties changes	Acceptance at roadway.
		ITD Project Personnel	ITD Project Personnel			

308



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	401
		Manufacturer	Manufacturer				
	VERIFICATION Laboratory Tests	702.03	FOP for AASHTO R 66 AASHTO T 59	ITD-1045	1 undiluted sample (as received from the asphalt supplier) per project	No samples required when total project quantity is less than 2,000 Gal 8 Tons.	
		ITD Project Personnel	ITD Central Laboratory				
<b>Distributors</b> will be calibrated each season. The Contractor will submit a valid calibration certification for the distributor before beginning work. Calibrate the distributor according to ASTM D2995.							
<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	402
		Manufacturer	Manufacturer				
	VERIFICATION Laboratory Tests	702.03	FOP for AASHTO R 66 AASHTO T 59	ITD-1045	1 undiluted sample (as received from the asphalt supplier) per project	No samples required when total project quantity is less than 2,000 Gal 8 Tons.	
		ITD Project Personnel	ITD Central Laboratory				
<b>Distributors</b> will be calibrated each season. The Contractor will submit a valid calibration certification for the distributor before beginning work. Calibrate the distributor according to ASTM D2995.							
Blotter	ACCEPTANCE Gradation	703.07 402.02	FOP for AASHTO T 2 FOP for AASHTO R 76 FOP for AASHTO T 27 FOP for AASHTO T 11	ITD-901	1 field gradation per source.	Sample at point of loading to the project.	
		ITD Project Personnel	ITD Project Personnel				
<b>STANDARD SPECIFICATION SECTION: 404 SURFACE TREATMENT</b>							
Asphalt & Cover Coat Material	Design of Seal Coats	404 703	Idaho IR 63		The Contractor furnishes the seal coat design.		
		ITD Project Personnel	ITD District Lab				
<b>Distributors</b> will be calibrated each season. The Contractor will submit a valid calibration certification for the distributor before beginning work. Calibrate the distributor according to ASTM D2995.							
Emulsified Asphalt	ACCEPTANCE Saybolt Viscosity Field Test	702.03	FOP for AASHTO R 66 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>	404-1
		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				

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	FOP for AASHTO R 66 AASHTO T 59	ITD-1045	Each 25,000 Gal or 100 Tons	No samples required when total project quantity is less than 2,000 Gal 8 Tons.
		ITD Project Personnel	ITD Central Laboratory			
	INDEPENDENT ASSURANCE Viscosity Field Test	IA Inspector	IA Inspector	ITD-857	1 observation of Saybolt viscosity per project.	See QA Manual Sections 330.00 & 380.00
PG. Binder	ACCEPTANCE Certification	702.01 702.05		ITD-966 OR manufacturer certification	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	FOP for AASHTO R 66 AASHTO M 320	ITD-859 ITD-859AW <i>(ITD-859AW is the Central Laboratory Report)</i>	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. Purge one gallon from the injection line valve before taking sample	No samples required when total project quantity is less than 22 tons
Anti-Strip Additive	ACCEPTANCE Presence of Anti-Stripping Additive	702.04	Idaho IT 99 (color method only)	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. Purge one gallon from the injection line valve before taking sample.	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	FOP for AASHTO T 2 FOP for AASHTO R 76 FOP for AASHTO T 27 FOP for AASHTO T 11 Idaho IT 72 FOP for AASHTO T335 Method 1	ITD-901	Each 280 CY or 400 Tons 26,000 yd <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 5,600 CY or 8,000 Tons .	

404-2

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			
Blotter	ACCEPTANCE Gradation	703.07 404.02	FOP for AASHTO T 2 FOP for AASHTO R 76 FOP for AASHTO T 27 FOP for AASHTO T 11	ITD-901	1 field gradation per source.	Sample at point of loading to the project.
		ITD Project Personnel	ITD Project Personnel			
Choke Sand	ACCEPTANCE Gradation	703.07 404.02	FOP for AASHTO T 2 FOP for AASHTO R 76 FOP for AASHTO T 27 FOP for AASHTO T 11	ITD-901	1 per day	Sample at point of loading to the project.
		ITD Project Personnel	ITD Project Personnel			

404-3





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 OR manufacturer certification	Initial lot & each new lot to project	See QA Manual Sections 230.10
		Manufacturer	Manufacturer	Loading Certificate	Each shipment to project	
	VERIFICATION Laboratory Tests	FOP for AASHTO R 66 AASHTO M 320	FOP for AASHTO R 66	ITD-859 ITD-859AW <i>(ITD-859AW is the Central Laboratory Report)</i>	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. Purge one gallon from the injection line valve before taking sample	No samples required when total quantity is less than 22 Tons See QA Manual Section 230.10
		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. (green or blue color)
		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)	2 locations per Test Section	Contractor establishes roller pattern.
	ACCEPTANCE (1) (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 FOP for AASHTO T 2 FOP for ASHTO R 76 FOP for AASHTO T 176 Alt.Method 2,Mechanical FOP for AASHTO T 335 Method 1 Idaho FOP ASTM D4791 Idaho FOP AASHTO T 304	ITD-1046 ITD-772	**3 cold feed increments per test strip.	Random Samples per Idaho IR 125  (1)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	
<p>**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.</p>						

405-1

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			
405-2  Superpave HMA for Acceptance Test Strip (Cont.)	ACCEPTANCE (2) (Loose Mix Samples)	405.02 405.03-H 405.03-I	Idaho IR 125 FOP for AASHTO T 168 * FOP for AASHTO R 47 FOP for AASHTO T 166 Method A or AASHTO T 331 FOP for AASHTO T 209 Bowl Method AASHTO T 269 FOP for AASHTO T 308 FOP for AASHTO T 30 FOP for AASHTO T329 FOP for AASHTO T 312 AASHTO T 340(4)	ITD-773 ITD-772	3 per test section. Each sample must be at least 100 lb.	Random sample locations per Idaho IR125  *See Note 405-6 (2) Test results for each loose mix sample are averaged for each test section to determine test section acceptance. (3) For calculating VMA use the combined aggregate bulk specific gravity, G <sub>sb</sub> , determined by the Engineer (4) For SP 3 and SP5 mixes only
	Voids Filled With Asphalt (VFA)  Dust to Binder Ratio (DP)  Moisture Content  Rut Depth		Contractor			
	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 Central Laboratory Manager for details: Phone: (208) 334-8453					
	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>405 - SUPERPAVE HOT MIX ASPHALT</b>						
Superpave HMA for Acceptance Test Strip (Cont.)	Density (5) GAUGE CORRELATION	405.03-L	Idaho IR 125 FOP for AASHTO T 355 (Backscatter mode)	ITD-820	5 per <u>test</u> <u>section</u>	Use same cores that were taken for density acceptance.  (5) 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(6) Cores Density (Percent Compaction)	405.03-L	Idaho IR 125 FOP for AASHTO R 67 FOP for AASHTO T 166 Method A FOP for AASHTO T 331 ASTM D7227	ITD-892 ITD-772	5 per <u>test</u> <u>section</u> .	Random sample locations per Idaho IR 125  (6) Test section densities are calculated as the average percent compaction of all cores from the test section using the average $G_{mm}$ 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	

405-3

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	FOP for AASHTO T 168* FOP for AASHTO R 47 FOP for AASHTO T 329 FOP for AASHTO T 308 FOP for AASHTO T 30	ITD-833	Each 750 Tons  Each sample must be at least 50 lb	Random sample locations  *See page 405-6
	Asphalt Content Gradation Moisture	ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Sampling Asphalt Content Gradation Moisture	IA Inspector	IA Inspector	ITD-857	1 observation each project.	
	ACCEPTANCE Density (Percent Compaction)	405.03	FOP for AASHTO T 355 (Backscatter Mode)	ITD-855	Each 750 Tons	Test at random locations  The average G <sub>mm</sub> of the Test Strip test section corresponding to the Contractor's JMF shall be used to determine densities for all production paving.
	(Density using correlated density gauge)	ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Density (Percent Compaction)	IA Inspector	IA Inspector	ITD-857	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	ACCEPTANCE Loose Mix from Roadway  Air Voids VMA Moisture	405.03	FOP for AASHTO T 168* FOP for AASHTO R 47 FOP for AASHTO T 329 FOP for AASHTO T 308 FOP for AASHTO T 166 Method A FOP for AASHTO T 331 FOP for AASHTO T 209 Bowl Method AASHTO T 269 FOP for AASHTO T 312	ITD-833 ITD-777	Each 750 Tons  Each sample must be at least 50 lb	Random Sample Locations  * See page 405-6
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Sampling Air Voids VMA Moisture	IA Inspector	IA Inspector	ITD-857	1 observation each project.	Observation of the tests that are performed to calculate air voids, VMA, and Moisture
	ACCEPTANCE Density (Percent Compaction) (Density using correlated density gauge)	405.03	FOP for AASHTO T 355 (Backscatter Mode)	ITD-855	Each 750 Tons	Test at random locations  The average $G_{mm}$ 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	1 observation each project	
Production Paving Non-structural and Temporary, except on NHS.***	ACCEPTANCE Certification	405.03		ITD-851	Total Quantity Paid	ITD Project Inspector documents visual inspection.
		Manufacturer	Manufacturer			

405-5

\*\*\* 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, ( $G_{mm}$ ). Sampling will be by the Contractor; testing by the State.

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			
405-6  Production Paving when an acceptance test strip is not required, <i>regardless of the class of SuperPave mix</i> and the total quantity is <u>greater than</u> one frequency.  ITD will sample and test for acceptance	ACCEPTANCE Loose Mix from Roadway	405.03	FOP for AASHTO T 168 * FOP for AASHTO R 47 FOP for AASHTO T 329 FOP for AASHTO T 308 FOP for AASHTO T 30	ITD-833	Each 750 Tons	* See page 405-6 SP2 Specification Limits apply.
	Asphalt Content Gradation Moisture	ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE Sampling Asphalt Content Gradation Moisture	IA Inspector	IA Inspector	ITD-857	1 observation each project.	
	ACCEPTANCE Density (Percent Compaction)	405.03 405.03-L	FOP for AASHTO R 67 FOP for AASHTO T 168 * FOP for AASHTO T 166 Method A FOP for AASHTO T 331 FOP for AASHTO T 209 (Bowl Method) ASTM D7227	ITD-773 ITD-892	5 Stratified Random Cores	* See page 405-6 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).
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.					
* 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 sample 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 FOP for AASHTO T 308 and gradation per FOP for AASHTO T 30. 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 and SP5) 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			
Surface Smoothness	ACCEPTANCE Profiler	405.03-P	AASHTO R 57	Contractor furnishes IRI QC test results to Engineer by next calendar day following placement. Acceptance testing to be completed on final lift within 1 week of completion of paving		
		Contractor	Contractor			
	VERIFICATION Profiler	405.03-P		ITD-854 ITD-769	Fully witnessed with report	
		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	ASTM D4632 ASTM D4533 ASTM D6140	ITD-1044 (Sample Data) ITD-1047 (Lab Report)	1 sample from each manufacturer- identified lot for each type	
		ITD Project Personnel	HQ Central Lab			

405-7





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	FOP for AASHTO T 2 FOP for AASHTO R 76 FOP for AASHTO T 27 FOP for AASHTO T 11 FOP for AASHTO T 176 Alt Method 2, Mechanical FOP for AASHTO T 335 Method 1	ITD-901	Each 700 CY or 1,000 Tons	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 14,000 CY or 20,000 Tons .	
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	FOP for AASHTO R 66 AASHTO T 59	ITD-1045	Each 100 tons	No samples required when total project quantity is less than 2,000 Gal 8 Tons
		ITD Project Personnel	HQ Central Laboratory			
PG. Binder	ACCEPTANCE Certification	702.01 702.05		ITD-966 OR manufacturer certification	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 FOP for AASHTO R 66	ITD-859 ITD-859AW <i>(ITD-859AW is the Central Laboratory Report)</i>	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. Purge one gallon from the injection line valve before taking sample	No samples required when total project quantity is less than 22 tons See QA Manual Section 255.00
<b>Distributors</b> will be calibrated each season. The Contractor will submit a valid calibration certification for the distributor before beginning work. Calibrate the distributor according to ASTM D2995.						

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. (Green or Blue color)
			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	FOP for AASHTO R 66 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 2,000 Gal 8 Tons.	
		ITD Project Personnel	HQ Central Laboratory				
Blotter	ACCEPTANCE Gradation	703.07 408.02	FOP for AASHTO T 2 FOP for AASHTO R76 FOP for AASHTO T 27 FOP for AASHTO T 11	ITD-901	1 field gradation per source.	Sample at point of loading to the project.	
		ITD Project Personnel	ITD Project Personnel				
<b>Distributors</b> will be calibrated each season. The Contractor will submit a valid calibration certification for the distributor before beginning work. Calibrate the distributor according to ASTM D2995.							
STANDARD SPECIFICATION SECTION <b>415 - MICROSURFACING</b>							
415	Aggregate	ACCEPTANCE Gradation Sand Equivalent	703 415	FOP for AASHTO T 2 FOP for AASHTO R 76 FOP for AASHTO T 27 FOP for AASHTO T 11 FOP for AASHTO T 176 Alt. Method 2, Mechanical	ITD-901	Each 750 Tons or fraction thereof.	Acceptance at stockpile
			ITD Project Personnel	ITD Project Personnel			
	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	FOP for AASHTO R 66 AASHTO T 59	ITD-1045	1 random undiluted sample (as received from the asphalt supplier) twice per day			
	ITD Project Personnel	HQ Central 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			
STANDARD SPECIFICATION SECTION: <b>409 - PORTLAND CEMENT CONCRETE PAVEMENT</b>						
Concrete Ready-Mix Plant Inspection		ITD Project Personnel	ITD Project Personnel	ITD-893	1 per project	Inspection of plant is valid for 1 year.
Mix Design	CONFIRMATION (Mix samples not required for projects less than 2,500 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 Section 260.02
		Contractor	ITD Central Lab			
	ACCEPTANCE (Water from other than a municipal drinking supply) Certification	720.01	ASTM C1602	Submit independent test results with mix design information	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 C494 AASHTO M 154	Qualified Products List			
	Manufacturer	Manufacturer				
Fine Aggregate	ACCEPTANCE Gradation Sand Equivalent	409.02 703.02	FOP for AASHTO T 2 FOP for AASHTO R 76 FOP for AASHTO T 27 FOP for AASHTO T 11 FOP for AASHTO T 176 Alt Method 2 Mechanical	ITD-901 OR ITD-1043	Each 1,000 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	409.02 703.03	FOP for AASHTO T 2 FOP for AASHTO R 76 FOP for AASHTO T 27	ITD-901 OR ITD-1043	Each 1,000 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	

409-1

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			
409-2  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	AASHTO M 85 or AASHTO M 240	ITD-1044 <sup>(1A)</sup> (Sample Data)	Each 2,500 CY of concrete placed and for each mill analysis number. (2)	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	ITD-1825 (Lab Report)		
Secondary Cementitious Material (SCM)	ACCEPTANCE Certification	714	AASHTO M 295	ITD-968 with bills of lading attached	Each week concrete is placed representing the amount of SCM used	See QA Manual Section 230.02
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests <sup>(1)</sup>	714		ITD-1044 <sup>(1A)</sup> (Sample Data)	Each 15,000 CY of concrete placed and for each sample ident number. (2)	The frequency applies to multiple concrete items from the same concrete plant per project.
		ITD Project Personnel	ITD Central Lab	ITD-1826 (Lab Report)		
<p>(1) No samples for laboratory tests when total quantity of concrete for project is less than 40 cubic yards                      (1A) Include acceptance certification documents with ITD-1044 and sample (ITD-968 and bills of lading).                      (2) When the project quantity is 40 CY or more but less than the minimum sample frequency, the cement or SCM 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.</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				
Dowel Bars	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 503						
Tie Bars	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 503						
Concrete Production (1A)	FIELD ACCEPTANCE Slump Air Content Temperature Unit Weight Cement Factor W/C Ratio	409.02	FOP for WAQTC TM 2 FOP for AASHTO T 119 FOP for AASHTO T 121 FOP for AASHTO T 309 FOP for AASHTO T 152	ITD-70	Each 300 CY	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 6,000 CY		
	ACCEPTANCE Compressive Strength	409.02	AASHTO T 22 FOP for AASHTO T 23 AASHTO T 358	ITD-1044 (Sample Data) ITD-845 (Lab Report)	3 sets for each day's production; 1 set randomly during each third of the day's placement.		Each set consists of 3 28-day and 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	1 observation per project			
(1A) 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 WAQTC TM 2.							

409-3

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 (1A) (Multiple small placements of less than 200 CY per day, i.e. slab replacements, intersections)	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 502					
Curing Compound	ACCEPTANCE Laboratory Test	709.01	ASTM C309	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-J	FOP for AASHTO T 359	ITD-827	Randomly once every 0.1 mile	Thickness price adjustment.
			ITD Project Personnel			
	ACCEPTANCE Profiler (Smoothness)	409.03-K	AASHTO R 57	Contractor furnishes IRI QC test results to Engineer by next calendar day following placement. Acceptance testing to be completed on final lift within 1 week of completion of paving.		
		Contractor	Contractor			
	VERIFICATION Profiler	409.03-K		ITD-854	Fully witnessed with report	
		ITD Project Personnel	ITD Project Personnel	ITD-769		
ACCEPTANCE (Final Finish)	409.03-J	Idaho IT 147	ITD-797	Initially, then each lane mile		
		ITD Project Personnel				
Joints	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 625					
STANDARD SPECIFICATION SECTION: <b>411 - URBAN CONCRETE PAVEMENT</b>						
For all items and materials	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 409					
For multiple small placements of less than 200 CY per day	FOLLOW MTR TABLE STANDARD SPECIFICATIONS SECTION 502					
(1A) 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 WAQTC TM 2.						

409-4

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	1 per project	Inspection of plant is valid for 1 year.
Mix Design	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 M 154	Qualified Products List		
		Manufacturer	Manufacturer			
ACCEPTANCE (Water from other than a municipal drinking supply) Certification	720.01	ASTM C1602	Submit independent test results with mix design information	1 per project	Water from any municipal drinking supply does not require testing.	
Fine Aggregate	ACCEPTANCE Gradation Sand Equivalent	409.02 703.02	FOP for AASHTO T 2 FOP for AASHTO R 76 FOP for AASHTO T 27 FOP for AASHTO T 11 FOP for AASHTO T 176 Alt. Method 2 Mechanical	ITD-901 OR ITD-1043	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	IA Inspector	ITD-857	Each 10,000 CY of concrete placed	
Coarse Aggregate	ACCEPTANCE Gradation	409.02 703.03	FOP for AASHTO T 2 FOP for AASHTO R 76 FOP for AASHTO T 27	ITD-901 OR ITD-1043	Each 500 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	ITD District Lab	ITD-857	Each 10,000 CY of concrete placed	

502-1

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			
Cement	ACCEPTANCE Certification	701.01	AASHTO M 85 or AASHTO M 240 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			
	VERIFICATION Laboratory Tests <sup>(1)</sup>	701.01	AASHTO M 85 or AASHTO M 240	ITD- 1044(1B) (Sample Data) ITD-1825 (Lab Report)	Each 1,000 CY of concrete placed and for each mill analysis number (2)	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			
Secondary Cementitious Material (SCM)	ACCEPTANCE Certification	714		ITD-968 with bill of lading attached	Each week concrete is placed representing the amount of SCM used	See QA Manual Section 230.02
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests <sup>(1)</sup>	714		ITD- 1044(1B) (Sample Data) ITD-1826 (Lab Report)	Each 4,000 CY of concrete placed and for each sample ident number (2)	The frequency applies to multiple concrete items from the same concrete plant per project.
		ITD Project Personnel	ITD Central Lab			
Metal Reinforcement	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 503					
Pre-Stressing Strand	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 506					
Curing Compound(1A)	ACCEPTANCE Laboratory Test	709.01	ASTM C309	ITD-1044 (Sample Data) ITD-1823 (Lab Report)	Submit sample at least 30 days before use for each batch/lot	Pre-approved by batch or lot number.
		Manufacturer	ITD Central Lab			
	ACCEPTANCE Certification			ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Joint Fillers and Sealers	FOLLOW STANDARD SPECIFICATION SECTION 625 OF THE MTR TABLE					
(1) No samples for laboratory tests when total quantity of concrete for project is less than 40 cubic yards. (1A) Acceptance by manufacturer's certification when total project quantity is less than 55 gallons. (2) When the project quantity is 40 CY or more but less than the minimum sample frequency, the cement or SCM 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. (1B) Include acceptance certification documents with ITD-1044 and sample. (ITD-968 and bill of lading)						

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			
Concrete Production (1B) Specified Strength of 3,500 psi or greater	FIELD ACCEPTANCE Slump Air Content Temperature Unit Weight Cement Factor W/C Ratio	502.02	FOP for WAQTC TM 2 FOP for AASHTO T 119 FOP for AASHTO T 121 FOP for AASHTO T 309 FOP for AASHTO T 152	ITD-70	First load, then randomly each 50 CY until quantity exceeds 100 CY. Thereafter, randomly every 100 CY but not less than one per day. (2)	When there is a failing test, obtain check tests immediately and continue checking each load until 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	
	ACCEPTANCE Compressive Strength/Surface Resistivity	502.02	AASHTO T 22 FOP for AASHTO T 23 AASHTO T 358	ITD-1044 (Sample Data)	1 set of three 28- day cylinders and 1 set of two 7-day cylinders each 100 CY but not less than 1 per day(2).	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	ITD-845 (Lab Report)		
INDEPENDENT ASSURANCE Making Cylinders	IA Inspector	IA Inspector	ITD-857	1 observation per project		
<p>(1B) 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 WAQTC TM-2.</p> <p>(2) 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 4 CY bridge footings, columns, pier caps or bridge parapet.</p>						
Concrete Specified Strength of 3,000 psi or less	ACCEPTANCE Certification (2B)	502.01-B		ITD-875 with QC test results attached(3) QC tests on the first load, then randomly each 50 CY until quantity exceeds 100 CY. Thereafter randomly every 100 CY.	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. (2B) See QA Manual Section 230.06 Concrete supplier's certification. Note locations on ITD-875
<p>(2B) 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>(3) When total is less than 50CY, QC tests can be from previous batches in the 30 days prior to the first placement.</p>						

502-3

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			
Pre-cast Stringers, Prestressed Members	ACCEPTANCE Field Tests (Air, slump, unit weight, temperature)	502.02	FOP for AASHTO T 119 FOP for AASHTO T 152 FOP for AASHTO T 309 FOP for AASHTO T 121	ITD-70	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 T 22 FOP for AASHTO T 23	ITD-845	1 set of 3 28-day cylinders per member	
		ITD On-site Inspector	ITD District or Central Lab			
Concrete Parapet	FOLLOW MTR FOR STRENGTH SPECIFIED					
Voided Slabs, Approach Slabs	ACCEPTANCE Field Tests (Air, slump, unit weight, temperature)	502.02	FOP for AASHTO T 119 FOP for AASHTO T 152 FOP for AASHTO T 309 FOP for AASHTO T 121	ITD-70	1 per member and when multiple members are poured in one continuous line- one test per line up to 50 cy and additional tests per 50cy.	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 T 22 FOP for AASHTO T 23	ITD-845	1 set of 3 28-day cylinders per member	
		ITD On-site Inspector	ITD District or Central Lab			
Permanent Metal Concrete Forms	ACCEPTANCE Certification	708.31	ASTM A653 SS (SS=structural steel)	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Finished Concrete	ACCEPTANCE (Smoothness)	502.03-l-e	Idaho IT 87	ITD-854 ITD-769	As required	
			ITD Project Personnel			
	ACCEPTANCE (Final Finish)	502.03-l-d	Idaho IT 147	ITD-797	Once per project	
			ITD Project Personnel			

502-4

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 M 31	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests (3)	503.02		ITD- 1044(3A) (Sample Data)  ITD-1810 (ITD 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	ASTM A775	ITD-914 with mill test reports attached for steel/iron and with Holiday and coating thickness test reports attached	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests (3)	503.02		ITD- 1044(3A) (Sample Data)  ITD-1810 (ITD-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 M 254	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
(3) Samples not required when used with concrete of specified strength of 3,000 psi or less. Form ITD-914 is required. (3A) Including acceptance certification documents with ITD-1044 and sample (ITD-914 and mill test reports).						

503-1

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			
503-2	ACCEPTANCE Certification	708.04	AASHTO M 31	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests(3)(4)	503.02		ITD- 1044(3A) (Sample Data) ITD-1810 (ITD-812 Lab Report)	1 sample of 2 bars per day of concrete paving	Slab replacement or rehab project where less than 1,000 bars, then 1 sample of 2 bars per project.
		ITD Project Personnel	ITD Central Lab			
<p>(3) Samples not required when used with concrete of specified strength of (3,000 psi) or less. Form ITD-914 is required.</p> <p>(3A) Including acceptance certification documents with ITD-1044 and sample (ITD-914 and mill test reports).</p> <p>(4) Samples not required when less than 200 bars are used on a project.</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				
<b>STANDARD SPECIFICATION SECTION: 504 - STRUCTURAL METALS</b>							
Steel Bridge	ACCEPTANCE Certification	504.01 504.03 708.06	AASHTO M 270	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03	
		Manufacturer	Manufacturer				
	ACCEPTANCE Fabrication Inspection(5)	504.01 504.02 504.03		ITD Central Lab	HQ will provide memo of inspection		District notifies HQ as soon as fabricator is known. HQ arranges fabrication inspection.
		ITD Project Personnel					
Structural Steel	ACCEPTANCE Certification	504.01 504.03 708.06	AASHTO M 270	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03	
		Manufacturer	Manufacturer				
	ACCEPTANCE Fabrication Inspection(5)	504.01 504.02 504.03		ITD Central Lab	HQ will provide memo of inspection		District notifies HQ as soon as fabricator is known. HQ arranges fabrication inspection.
		ITD Project Personnel					
Steel Forgings	ACCEPTANCE Certification	708.06	AASHTO M 270	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03	
		Manufacturer	Manufacturer				
	ACCEPTANCE Fabrication Inspection(5)	504.03		ITD Central Lab	HQ will provide memo of inspection		District notifies HQ as soon as fabricator is known. HQ arranges fabrication inspection.
		ITD Project Personnel					
Paint	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 627						
<p>(5) Fabrication Inspection not required if less than 16 Ton. 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).</p>							

504-1

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			
Bolts, Nuts, Hardened Washers, Direct Tension Indicators	ACCEPTANCE Certification	504.03-L 708.06-2	ASTM A307 ASTM A325 ASTM A490 ASTM E18	ITD-914 <b>no</b> mill test reports for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests	504.03-L 708.06-2	ASTM A307 ASTM A325 ASTM A490 ASTM E18	ITD-1044 (Sample Data) ITD-1811 (Lab Report)	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 M 270	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Two Tube Curb- Mount Railing	ACCEPTANCE Certification	504.02 708.06-1	AASHTO M 270	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Pedestrian Bicycle Railing	ACCEPTANCE Certification	504.02 708.06-1	AASHTO M 270	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Combination Pedestrian, Bicycle, and Traffic Railing	ACCEPTANCE Certification	504.02 708.06-1	AASHTO M 270	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			

504-2

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			
<b>STANDARD SPECIFICATION SECTION: 505 - PILING</b>						
H-Beam Piles	ACCEPTANCE Certification	505.02 708.08	ASTM A36	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Steel Shell Piles	ACCEPTANCE Certification	505.02 708.30		ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Timber Piles	ACCEPTANCE Certification	505.02 710.05	ASTM D25	ITD-851	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Pile Point	ACCEPTANCE Approved List and Certification	505.03-C		Qualified Product List ITD-914 with mill test reports attached for steel/iron		See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Concrete with specified strength of 3,000 psi 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 MTR TABLE STANDARD SPECIFICATION SECTION 503					
Welded Wire	ACCEPTANCE Certification			ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Pre-Stressing Strand	ACCEPTANCE Certification	708.05	ASTM A416 ASTM A722	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests	506.03		ITD-1044 (Sample Data) ITD-1813 (ITD-838 Lab Report)	1 per reel	See QA Manual Section 230.05.01
Grout Type A Type B Class I Type B Class II Type C  (used in post tensioning)	ACCEPTANCE Compressive Strength	506.03-I 705	ID FOP for AASHTO R 64 AASHTO T 106	ITD-1044 (Sample Data) ITD-845 (Lab Report)	Grout cubes once per day for each type grout used	The average of 3 28-day cubes for Type A or Type B. The average of 3 24-hour cubes for Type C
		ITD Project Personnel	ITD District or Central Lab			
	INDEPENDENT ASSURANCE Observation	IA Inspector	IA Inspector	ITD-857	1 observation per project	

505

506-1

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			
506-2  Grout Type A Type B Class I Type B Class II Type C (used in other than post tensioning)	ACCEPTANCE Compressive Strength	506.03-I 705	AASHTO R 64 AASHTO T 106	ITD-1044 ITD-845 (Lab Report)	1 per project	The average of three 28-day cubes for Type A or Type B.  The average of three 24-hour cubes for Type C
		ITD Project Personnel	ITD District or Central Lab			
Grout Type D	ACCEPTANCE Certification	701 703 705	AASHTO M85 FOP for AASHTO T 11 FOP for AASHTO T 27 FOP for AASHTO T 176 Alt. 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>						
507  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 M 251	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>						
508  Corrugated Plate Pipe Culvert	ACCEPTANCE Certification	508.02 708.20	AASHTO M 167 or AASHTO M 219	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 Section 230.03 and Section 230.07
		Manufacturer	Manufacturer			
Corrugated Plate Pipe Arch	ACCEPTANCE Certification	508.02 708.20	AASHTO M 167 or AASHTO M 219	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 Section 230.03 and Section 230.07
		Manufacturer	Manufacturer			
Corrugated Plate Arch	ACCEPTANCE Certification	508.02 708.20	AASHTO M 167 or AASHTO M 219	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 Section 230.03 and 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 District	509.01		See Section 260.03.		
		Contractor	Contractor			
Concrete(1)	ACCEPTANCE Certification	509.02		ITD-875 with QC test results attached (1) Test the first load, then again randomly prior to reaching 50 CY. Test again randomly prior to reaching 100 CY and again randomly within every 100 CY thereafter.	Total Quantity Paid	(2) 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. 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.</p> <p>(2) Concrete using sack mixes will NOT require certification (ITD-875) or verification tests. Acceptance will be by inspection on the RE Letter (ITD-854).</p>						

509

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: **510 - CONCRETE OVERLAY**

Mix Design	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 502
Aggregate	
Portland Cement	
Curing Compound	

<b>510</b>	Latex Modified Concrete	ACCEPTANCE (Latex Modifier) Certification	510.02 Manufacturer	FOP for Idaho IR 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	FOP for AASHTO T 119 FOP for AASHTO T 152 FOP for AASHTO T 309 FOP for AASHTO T 121 ITD Project Personnel	ITD-70	First load, then randomly each 50 CY until quantity reaches 100 CY, thereafter randomly each 100 CY.	
		INDEPENDENT ASSURANCE Field Tests	IA Inspector	IA Inspector	ITD-857	Each 2,000 CY	
		ACCEPTANCE (Concrete) Compressive Strength	510.03 ITD Project Personnel	AASHTO T 22 FOP for AASHTO T 23 ITD District or Central Lab	ITD-1044 (Sample Data) ITD-845 (Lab Report)	1 set of 3 28-day cylinders per day	
		INDEPENDENT ASSURANCE Making Cylinders	IA Inspector	IA Inspector	ITD-857	1 observation per project	
		ACCEPTANCE (Silica Fume) Certification	510.02 Manufacturer	AASHTO M 307 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 M 307 ITD Central Lab	ITD-1044 (Sample Data) ITD-1827 (Lab Report)	1 per project	1 Cylinder Can
		ACCEPTANCE (Concrete) Field Tests	510.02 ITD Project Personnel	FOP for AASHTO T 119 FOP for AASHTO T 152 FOP for AASHTO T 309 FOP for AASHTO T 121 ITD Project Personnel	ITD-70	First load, then randomly each 50 CY until quantity reaches 100 CY, thereafter randomly each 100 CY.	
		INDEPENDENT ASSURANCE Field Tests	IA Inspector	IA Inspector	ITD-857	Each 2,000 CY	

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 T 22 FOP for AASHTO T 23	ITD-1044 (Sample Data) ITD-845 (Lab Report)	1 set of 3 28-day cylinders per day	
		ITD Project Personnel	ITD District or Central Lab			
	INDEPENDENT ASSURANCE Making Cylinders	IA Inspector	IA Inspector	ITD-857	1 observation per project	
Finished Overlay	ACCEPTANCE (Smoothness)	409-K 510.03-F	Idaho IT 87	ITD-854 ITD-769	As required	Identify any delaminations for removal.
			ITD Project Personnel			
	ACCEPTANCE (Final Finish)	510.03-E	Idaho IT 147	ITD-797	Once per structure	
			ITD Project Personnel			
<b>STANDARD SPECIFICATION SECTION: 511 - CONCRETE WATERPROOFING SYSTEMS</b>						
Liquid Asphalt Sealant Type A System	ACCEPTANCE Certification	511.02	ASTM D3406	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Asphalt Roll Roofing Type A System	ACCEPTANCE Certification	511.02	ASTM D224 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	FOP for AASHTO T 27 FOP for AASHTO T 11 FOP for AASHTO T 176 Alt. Method 2, Mechanical	ITD-901	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			

510-2

511

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 A370 ASTM A641 ASTM A90 ASTM A185	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Joints	ACCEPTANCE Certification	715.05	ASTM A641 ASTM A370 ASTM A641 ASTM A90 ASTM A764	ITD-851 ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Gabion Fill Material	ACCEPTANCE Inspection	715.06		ITD-854		
		No sample required	No testing required			
Compacting Backfill	ACCEPTANCE In-Place Density	512.03-C	FOP for AASHTO T 99 Method C or A FOP for AASHTO T 310 Method B	ITD-850	Each 2,500 CY or 4,000 tons	Document compaction effort for each lift. After remedial efforts, obtain check tests within 10 feet and at same depth as original test.  See QA Manual Section 215.00
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE In-Place Density	IA Inspector	IA Inspector	ITD-857	1 observation per project	
Geotextile	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 640					

512

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 36 or AASHTO M 196	ITD-914 with mill test reports attached for steel/iron & ITD-851 for aluminum	Total Quantity Paid	See QA Manual Section 230.01 Section 230.03, and Section 230.07
		Manufacturer	Manufacturer			
	ACCEPTANCE Certification	706.06	AASHTO M 36 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 AASHTO M 219	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Concrete Pipe for Sewer, Irrigation or Drainage (Non-Reinforced)	ACCEPTANCE Certification	706.01 706.02 706.03	AASHTO M 86 ASTM C118	ITD-851 or ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Sections 230.01, Section 230.03 and Section 230.04 ITD-914 is not required if metal reinforcement is not used
		Manufacturer	Manufacturer			
Reinforced Concrete Culvert, Storm Drain and Sewer Pipe	ACCEPTANCE Certification	706.01 706.04	AASHTO M 170	ITD-851 or ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01, Section 230.03 and Section 230.04
		Manufacturer	Manufacturer			
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 36 AASHTO M 196 AASHTO M 252 AASHTO M 278	ITD-851 or ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			

**602, 603, 604, 605, 606, 607, 608-1**

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			
ABS or PVC or PE Pipe	ACCEPTANCE Certification	706.13 706.14 706.15 706.16 706.17	ASTM D2680 AASHTO M 278 ASTM F794 AASHTO M 294 ASTM F894	ITD-851	Total Quantity Paid	See QA Manual Section 230.06
		Manufacturer	Manufacturer			
Metal Aprons	ACCEPTANCE Certification	608 708.21	AASHTO M 36 or AASHTO M 196	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Concrete Aprons	ACCEPTANCE Certification	608 509.01-B		ITD-875 with QC test reports attached ITD 914 with mill test results attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 Section 230.03, and Section 230.06 Manufacturer certification Note locations on ITD-875
		Manufacturer	Manufacturer			
Gaskets for Concrete Pipe	ACCEPTANCE Certification	706.11	ASTM C990	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Rubber Gaskets for CMP	ACCEPTANCE Certification	706.12	ASTM D1056	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 ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Catch Basins, Inlets & Manholes (Pre-cast)	ACCEPTANCE Certification	609 Standard Drawings 605		ITD-875 ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01, Section 230.03 and Section 230.06
		Manufacturer	Manufacturer			
Catch Basins, Inlets & Manholes (Cast in-Place)	ACCEPTANCE Certification	609 Standard Drawings 605		ITD-875 with QC test reports attached ITD-914 With mill test results attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01, Section 230.03 and Section 230.06 Concrete Supplier's certification Note locations on ITD-875
		Manufacturer	Manufacturer			

602, 603, 604, 605, 606, 607, 608-2

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			
Corrugated Metal Embankment Protectors	ACCEPTANCE Certification	607.02 706.06	AASHTO M 36 AASHTO M 196	ITD-914 with test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Compacting Backfill	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 210					
Drain Rock	ACCEPTANCE Certification	606.02	FOP for AASHTO T 2 FOP for AASHTO R 76 FOP for AASHTO T 27	ITD-851 with QC gradation tests attached	Total Quantity Paid	See QA Manual Section 230.01
		Contractor	Contractor			
Geotextile	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 640					
<b>STANDARD SPECIFICATION SECTION: 609 - MINOR STRUCTURES</b>						
Concrete Specified strength of 3,000 psi or less	ACCEPTANCE Certification	509		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 Supplier	Concrete Supplier			
Concrete Specified strength of 3,500 psi or greater	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 502					
Metal Reinforcement [with concrete of specified strength of 3,000 psi 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 3,500 psi or greater]	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 503					
Timber	ACCEPTANCE Certification	710		ITD-851	Total Quantity Paid	
		Manufacturer	Manufacturer			
Compacting Backfill	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 210					

602, 603, 604, 605, 606, 607, 608-3

609

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>610 - FENCE</b>						
Barbed Wire	ACCEPTANCE Certification	708.09		ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
			No Testing Required			
Woven Wire	ACCEPTANCE Certification	708.10		ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
			No Testing Required			
Chain Link Fence Fabric	ACCEPTANCE Certification	708.13		ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
			No Testing Required			
Metal Posts for all fence types	ACCEPTANCE Certification	708.12		ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		ITD Project Personnel	No Testing Required			
Wood Posts	ACCEPTANCE Inspection	710.08	Visual Inspection	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
			No Testing Required			
Gates	ACCEPTANCE Inspection or Certification for steel/iron	610.03	Visual Inspection	ITD-854 or ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 & Section 230.03 RE Letter-See QA Manual Section 250.00
			No Testing Required			
Braces	ACCEPTANCE Inspection or Certification for steel/iron	610.03	Visual Inspection	ITD-854 or ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 & Section 230.03 RE Letter-See QA Manual Section 250.00
			No Testing Required			
Hardware for Fence	ACCEPTANCE Inspection or Certification for steel/iron	708.11	Visual Inspection	ITD-854 or ITD-914 with <b>no</b> mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 & Section 230.03 RE Letter-See QA Manual Section 250.00
Concrete	ACCEPTANCE Certification	509		ITD-875	Total Quantity Paid	See QA Manual Section 230.06 Concrete Supplier's certification
			No Testing Required			

610



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: 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 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Structural Metals	ACCEPTANCE Certification	504.02	(1)	ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Culverts	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 602					
Fence	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 610					
(1) Fabrication Inspection by ITD Central Lab required when quantities over 16 Tons.						

611

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 – GUARDRAIL AND CONCRETE BARRIER</b>						
Wood Post and Blocks	ACCEPTANCE Certification	710.03 710.09		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Steel Post	ACCEPTANCE Certification	708.07		ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Blocks (Other than wood)	ACCEPTANCE Certification	QPL		ITD-851	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Steel Rail	ACCEPTANCE Certification	708.14		ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Bolts, Nuts, Washers, and Fittings	ACCEPTANCE Certification	708.14		ITD-914 <b>No</b> mill test reports for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		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 (2)	Standard Drawings Section G		ITD-851 ITD-914 with mill test reports attached for steel/iron	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 and Section 230.03
		Manufacturer	Manufacturer			
Impact Attenuator (Temporary or Permanent)	ACCEPTANCE Certification (2)	[Special Provision]		ITD-851 ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
(2) Manufacturer's certification must indicate item meets Manual for Assessing Safety Hardware (MASH) or National Cooperative Highway Research Program (NCHRP) Report 350 requirements on all portions of the NHS and State Highway System. See QA Manual 270.08.						

612-1

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			
<b>STANDARD SPECIFICATION SECTION: 612 - CONCRETE GUARDRAIL</b>						
Pre-Cast	ACCEPTANCE Certification (3)	502.01-B		ITD-875 with QC test results attached*	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.05
		Manufacturer	Manufacturer			
Cast-In-Place Specified strength of 3,000 psi or less	ACCEPTANCE Certification (3)	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 3,500 psi or greater	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 502					
Metal Reinforcement	ACCEPTANCE Certification (3)	503.02 708.02		ITD-914 with mill test results attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Concrete Terminal Section	ACCEPTANCE Certification (3)	Standard Drawings Section G		ITD-875 with QC test results attached*	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
<b>STANDARD SPECIFICATION SECTION: 613 - CRASH CUSHIONS</b>						
Concrete	ACCEPTANCE Certification (3)	509		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			
Metal Reinforcement	FOLLOW MTR TABLE STANDARD SPECIFICATIONS SECTION 503					
<p>(3) Manufacturer's certification must indicate item meets Manual for Assessing Safety Hardware (MASH) or National Cooperative Highway Research Program (NCHRP) report 350 requirements on all portions of the NHS and State Highway System. See QA Manual 270.08.</p> <p>* When total is less than 50CY, QC tests can be from previous batches in the 30 days prior to the first placement.</p>						

612-2

613.

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: 614 - SIDEWALKS, DRIVEWAYS, CURB RAMPS</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  Note locations on ITD-875.
		Concrete Supplier	Concrete Supplier			
Agg. Base Compaction	ACCEPTANCE Inspection	614.03			Total Quantity Paid	Minimum 2 passes of lightweight mech. Tamper, roller, or vibratory system.
		ITD Project Personnel	No Testing Required			
Subgrade Compaction	ACCEPTANCE In-Place Density	614.02	FOP for AASHTO T 99 FOP for AASHTO T 310 Method B	ITD-850	1 per project	
		ITD Project Personnel	ITD Project Personnel			
<b>STANDARD SPECIFICATION SECTION: 615 - CURB AND GUTTER</b>						
Class 30 Concrete (cast-in-place, precast, extruded)	ACCEPTANCE Certification	509		ITD-875 with 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			
Superpave HMA ½" SP 2 or 3, Non-structural	ACCEPTANCE Inspection	405		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
			No Testing Required			
Metal Reinforcement	ACCEPTANCE Certification	708.02		ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03  No samples required.
		Manufacturer	Manufacturer			
* 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 or ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
	ACCEPTANCE Certification	Hardware for signs 708.18		ITD-851 or ITD-914 With <b>no</b> mill test reports for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		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			

616-1

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			
Overhead Sign Structures	ACCEPTANCE Certification	708.17-B		ITD-851 or ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	ITD Central Lab Inspection required See QA Manual Section 230.01 and Section 230.03
		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-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Breakaway Steel Sign Posts	ACCEPTANCE Certification	708.17-A		ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		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 3,000 psi or less	ACCEPTANCE Certification	509.01-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 3,500 psi or greater	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 502					
Metal Reinforcement [with concrete of specified strength of 3,000 psi or less]	ACCEPTANCE Certification	708.02		ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03 No samples required.
		Manufacturer	Manufacturer			
Metal Reinforcement [with concrete of specified strength of 3,500 psi or greater]	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 503					

616-2

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			
<b>STANDARD SPECIFICATION SECTION: 617 - DELINEATORS AND MILEPOSTS</b>						
Steel Posts	ACCEPTANCE Certification	708.16		ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		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			

617

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 or Certification for steel/iron	618.02		ITD-854 or ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	RE Letter-See QA Manual Section 250.00 See QA Manual Section 230.01 and Section 230.03
			No Testing Required			
Brass Caps	ACCEPTANCE Inspection	708.28		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
			No Testing Required			
Reference Markers	ACCEPTANCE Inspection or Certification for steel/iron	618.02		ITD-854 or ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	RE Letter-See QA Manual Section 250.00 See QA Manual Section 230.01 and Section 230.03
			No Testing Required			
Project Markers	ACCEPTANCE Inspection or Certification for steel/iron	618.02		ITD-854 ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	RE Letter-See QA Manual Section 250.00 See QA Manual Section 230.01 and Section 230.03
			No Testing Required			
Witness Posts	ACCEPTANCE Inspection or Certification for steel/iron	Steel 708.16		ITD-854 or ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	RE Letter-See QA Manual Section 250.00 See QA Manual Section 230.01 and Section 230.03
			No Testing Required			
	ACCEPTANCE Inspection	Wood 710.09		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
Street Monuments	ACCEPTANCE Inspection or Certification for steel/iron	618.02		ITD-854 or ITD-914 with test reports attached for steel/iron	Total Quantity Paid	RE Letter-See QA Manual Section 250.00 See QA Manual Section 230.01 and Section 230.03
			No Testing Required			

618



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 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Illumination Components	ACCEPTANCE Inspection or Certification for steel/iron	710.07 713.01 713.02 713.03 713.04 713.05 713.06		ITD-854 or ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	RE Letter-See QA Manual Section 250.00 See QA Manual Section 230.01 and Section 230.03
			No Testing Required			
Concrete Specified strength of 3,000 psi or less	ACCEPTANCE Certification	509.01(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 3,500 psi or greater	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 502					
Metal Reinforcement [with concrete of specified strength of 3,500 psi or greater]	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 503					
Metal Reinforcement [with concrete of specified strength of 3,000 psi or less]	ACCEPTANCE Certification	503.02 708.02		ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03 No samples required.
		Manufacturer	Manufacturer			

619



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		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
			No Testing Required			
<b>STANDARD SPECIFICATION SECTION: 621 - SEEDING</b>						
Seed, Mulch, Commercial Fertilizer, Rolled Erosion Control Products (RECP), Turf Reinforcement Mats, Irrigation Water, Mulch Tackifier	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 230.12Note: 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.
		Licensed Supplier / Manufacturer	Licensed Supplier / Manufacturer			
	VERIFICATION Laboratory Test <u>Seed Only</u>	711.05	Purity and Viability, (Germination & Tetrazolium (TZ))	ISDA Test Results	1 for each individually packaged seed containers from each species	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.
ITD Project Inspector	(Boise) ISDA Seed Laboratory					
<b>STANDARD SPECIFICATION SECTION: 622 - PRE-CAST CONCRETE HEADGATES</b>						
Pre-Cast Concrete Head gates	ACCEPTANCE Certification	502.01-B		ITD-851 & ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.05 See QA Manual Section 230.01 & Section 230.03
		Manufacturer	Manufacturer			
<b>STANDARD SPECIFICATION SECTION: 623 - CONCRETE SLOPE PAVING</b>						
Concrete	ACCEPTANCE Certification	502.01-B		ITD-875 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.06 Concrete Supplier certification Note locations on ITD-875 See QA Manual Section 230.01 & Section 230.03
		Concrete Supplier	Concrete Supplier	ITD-914 with mill test reports attached for steel/iron		
Pre-formed- expansion Joint Fillers	ACCEPTANCE Certification	623.02	AASHTO M 213	ITD-851	Total Quantity Paid	See QA Manual Section 230.01
Manufacturer	Manufacturer					
Compaction	FOLLOW MTR TABLE 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>STANDARD SPECIFICATION SECTION: 624 - RIPRAP</b>							
624  Loose Placed	ACCEPTANCE Inspection	711.04	Visual Inspection	ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00  Initial testing required for Apparent Specific Gravity, Absorption, (AASHTO T 85) and Coarse durability Index, (AASHTO T 210). Only visual inspection during placement.	
			ITD Project Personnel				
<b>STANDARD SPECIFICATION SECTION: 625 - JOINTS</b>							
625	Pre-Formed Expansion Joint Filler	704.01		ITD-851	Total Quantity Paid	See QA Manual Section 230.01	
		Manufacturer	Manufacturer				
	Hot Poured Elastic Type Concrete Joint Sealer	ACCEPTANCE Certification	704.02		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
			Manufacturer	Manufacturer			
	Hot Poured Elastomeric Type Concrete Joint Sealer	ACCEPTANCE Certification	704.03		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
			Manufacturer	Manufacturer			
	Neoprene Compression Seal	ACCEPTANCE Certification	704.04		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
			Manufacturer	Manufacturer			
	Silicone Sealant	ACCEPTANCE Certification	704.05		ITD-851 with test results attached	Total Quantity Paid	See QA Manual Section 230.01
			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 – TEMPORARY TRAFFIC CONTROL</b>						
Rent Construction Signs, Barricades, Drums, Portable Tubular Markers, Incidental Traffic Control Items	ACCEPTANCE Inspection	Reflectivity 712.02		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
			No Testing Required			
Rent Vertical Panels, Advance Warning Arrow Panel, Traffic Control Signal, Hazard Identifi- cation Beacon	ACCEPTANCE Inspection	Reflectivity 712.02		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
			No Testing Required			
Temporary Pavement Striping Tape	ACCEPTANCE Inspection	Reflectivity 712.02		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
			No Testing Required			
Temporary Flexible Raised Pavement Marker	ACCEPTANCE Inspection	Reflectivity 712.02		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
			No Testing Required			
Temporary Rigid Raised Pavement Marker	ACCEPTANCE Inspection	Reflectivity 712.02		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
			No Testing Required			

626

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(4)	ACCEPTANCE Pre-Tests(4)	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 and/or ITD-1832.
		Coordinate with ITD Central Lab	ITD Central Lab			
	ACCEPTANCE Certification	707.03		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Painting Wood(4)	ACCEPTANCE Pre-Tests(4)	707.02			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 QA Manual Section 230.01
		Manufacturer	Manufacturer			
Painting Concrete(4)	ACCEPTANCE Pre-Tests(4)	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 and/or ITD-1832.
		Coordinate with ITD Central Lab	ITD Central Lab			
	ACCEPTANCE Certification	707.03		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
(4)Acceptance by Manufacturer's Certification when total project quantity is less than 25 gallons.						

627

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	ACCEPTANCE Inspection Inspection or Certification for steel/iron	708.16		ITD-854 or ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	RE Letter-See QA Manual Section 250.00 See QA Manual Section 230.01 and Section 230.03
			No Testing Required			
Reflector Units for Delineators	ACCEPTANCE Inspection	712.04		ITD-854	Total Quantity Paid	RE Letter-See QA Manual Section 250.00
			No Testing Required			
Flexible Snow Poles	ACCEPTANCE Approved List	712.11		Qualified Products List		
		Manufacturer	Manufacturer			
<b>STANDARD SPECIFICATION SECTION: 634 - MAILBOX</b>						
Support	ACCEPTANCE Certification	708.16 710.02		ITD-851 or ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03
		Manufacturer	Manufacturer			
Mailbox	ACCEPTANCE Inspection or Certification for steel/iron	634.02		ITD-854 or ITD-914 with mill test reports attached for steel/iron	Total Quantity Paid	RE Letter-See QA Manual Section 250.00 See QA Manual Section 230.01 and Section 230.03
			No Testing Required			
<b>STANDARD SPECIFICATION SECTION: 635 - ANTI-SKID MATERIAL</b>						
Aggregate (Production)	ACCEPTANCE Gradation	703.10	FOP for AASHTO T 2 FOP for AASHTO R 76 FOP for AASHTO T 11 FOP for AASHTO T 27	ITD-901	Each 1,000 Tons	
		ITD Project Personnel	ITD Project Personnel			
	INDEPENDENT ASSURANCE  Gradation Sand Equivalent	IA Inspector	IA Inspector	ITD-857	Each 20,000 Tons	

628

634

635

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 - GEOSYNTHETICS</b>						
640-1 Drainage Geotextile	ACCEPTANCE Certification	718.05	ASTM D4632 ASTM D6241 ASTM D4751 ASTM D4491	ITD-849 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.09
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests(5)	718.05	ASTM D4632 ASTM D6241 ASTM D4751 ASTM D4491	ITD- 1044(5A) ( Sample Data)  ITD-1047 (Lab Reports)	1 sample per lot (5B)	See QA Manual Section 230.09
		ITD Project Personnel	ITD Central Lab			
640-1 Riprap/Erosion Geotextile	ACCEPTANCE Certification	718.06	ASTM D4632 ASTM D6241 ASTM D4533 ASTM D4751 ASTM D4491 ASTM D4355	ITD-849 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.09
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests(5)	718.06	ASTM D4632 ASTM D6241 ASTM D4533 ASTM D4751 ASTM D4491 ASTM D4355	ITD- 1044(5A) (Sample Data)  ITD-1047 (Lab reports)	1 sample per lot (5B)	See QA Manual Section 230.09
		ITD Project Personnel	ITD Central Lab			
640-1 Subgrade Separation Geotextile	ACCEPTANCE Certification	718.07	ASTM D4632 ASTM D6241 ASTM D4533 ASTM D4751 ASTM D4491	ITD-849 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.09
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests(5)	718.07	ASTM D4632 ASTM D6241 ASTM D4533 ASTM D4751 ASTM D4491	ITD- 1044(5A) (Sample Data)  ITD-1047 (Lab reports)	1 sample per lot (5B)	See QA Manual Section 230.09
		ITD Project Personnel	ITD Central Lab			



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			
Pavement Overlay Geotextile	ACCEPTANCE Certification	718.08	ASTM D4632 ASTM D4533 ASTM D6140	ITD-849 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.09
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests(5)	718.08	ASTM D4632 ASTM D4533 ASTM D6140	ITD- 1044(5A) (Sample Data) ITD-1047 (Lab Reports)	1 sample per lot (5B)	See QA Manual Section 230.09
		ITD Project Personnel	ITD Central Lab			
Geogrid	ACCEPTANCE Certification	[Special Provision]		ITD-849 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.09
		Manufacturer	Manufacturer			
	VERIFICATION Laboratory Tests(5)	[Special Provision]		ITD- 1044(5A) (Sample Data) ITD-1048 (Lab Reports)	1 sample per lot (5B)	See QA Manual Section 230.09
		ITD Project Personnel	ITD Central Lab			

640-2

(5) No Samples required for quantities less than 600 square yards.

(5A) Include acceptance certification documents with ITD-1044 and sample.

(5B) A lot is defined as geotextile or geogrid rolls within the same consignment or shipment that a manufacturer produced with the same product name or designation (Section 718.03 Samples of ITD Standard Specifications)

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:

- Prefabricated Vertical Drain (Wick Drain), Prefabricated Drainage Mat (Geocomposite Drainage System), Edge Drain, Geonet.
- Geocell (Cellular Confinement System).
- Geomembrane, Geosynthetic Clay Liner.

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>						
Signal Poles and Mast Arms	ACCEPTANCE Certification	656.02		ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.03
		Manufacturer	Manufacturer			
Signal Components	ACCEPTANCE Inspection or Certification for steel/iron		No Testing Required	ITD-854 or ITD-914 no mill test reports for steel/iron	Total Quantity Paid	RE Letter-See QA Manual Section 250.00 See QA Manual Section 230.01 and Section 230.03
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			
Concrete Specified strength of 3,000 psi or less	ACCEPTANCE Certification	509.01(B)		ITD-875 with QC test results attached	Total Quantity Paid	See QA Manual Section 230.06 Note locations on ITD-875
		Concrete Supplier	Concrete Supplier			
Concrete Specified strength of 3,500 psi or greater	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 502					
Metal Reinforcement [with concrete of specified strength of 3,500 psi or greater]	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 503					
Metal Reinforcement [with concrete of specified strength of 3,000 psi or less]	ACCEPTANCE Certification	503.02 708.02		ITD-914 with mill test reports attached	Total Quantity Paid	See QA Manual Section 230.01 and Section 230.03 No samples required
		Manufacturer	Manufacturer			

656

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 BUILDING ITEMS</b>						
Compaction	ACCEPTANCE Density	205.03	FOP for AASHTO T 310 Method B	ITD-850	At least 1 per project	
		ITD Project Personnel	ITD Project Personnel			
Structural Concrete (Footings, Foundations, Piers)	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 502					
Non-Structural Concrete (Sidewalks, Driveways, Slabs)	ACCEPTANCE Certification	502.02 (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			
Metal Reinforcement (for structural concrete-footings, foundations, piers)	FOLLOW MTR TABLE STANDARD SPECIFICATION SECTION 503					
Paint	FOLLOW MTR TABLE 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	[Special Provision]	Per Specs	ITD-1044 (Sample Data) ITD-1822	Each 100 tons or 1 per project	Follow Special Provision requirements for acceptance; either by test or by certification.  See QA Manual Section 230.01 for certification requirements.
		ITD Project Personnel	ITD Central Lab			
	ACCEPTANCE Certification	[Special Provision]		ITD-851	Total Quantity Paid	
		Manufacturer	Manufacturer			
Epoxies	ACCEPTANCE Certification	720.04		ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Traffic Line Paint(6)	ACCEPTANCE Laboratory Tests			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 and/ or ITD-1830 or ITD-1831.  Do not collect Sample from stripper paint guns. <b>(Not project specific.)</b>  Reject if totes do not match lot numbers.
		ITD Project Personnel	ITD Central Lab			
Methyl Methacrylate (MMA) Pavement Markings (8)	ACCEPTANCE Laboratory Tests			ITD -1831	Each lot used on Project	Manufacturer provides samples to Central Laboratory. Allow 14 days for pre-test results.
		Manufacturer	ITD Central Lab			
	ACCEPTANCE Certification(6)			ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Thermoplastic Pavement Markings	ACCEPTANCE Certification			ITD-851	Total Quantity Paid	See QA Manual Section 230.01
		Manufacturer	Manufacturer			
Glass Beads (7)	ACCEPTANCE Laboratory Tests			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 and/ or ITD-1828.  <b>(Not project specific.)</b>
		ITD Project Personnel	ITD Central Lab			
<p>(6) Acceptance by manufacturer's certification when total project quantity is less than 55 gallons.</p> <p>(7) Acceptance by manufacturer's certification when total project quantity is less than 350 pounds.</p> <p>(8) When warranty applies, no samples or certifications required. A copy of the warranty must be in the project files; post a remark on MSR.</p>						

MISCELLANEOUS ITEMS

