

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
400								
HOT MIX ASPHALTIC CONCRETE	Asphalt Cement	DSR T-315	DOT-504	(2) 1 pt.	QPL-7	As per GSP-21	Storage Tank	
	Coarse Aggregate for Asphaltic Concrete	Wash 200 T11	DOT-658	45 lbs.	QPL-2	As necessary	Stockpile	
		Gradation T27						
	Fine Aggregate for Asphaltic Concrete	Gradation T11 & T27	DOT-658	20 lbs.	QPL-1	As necessary	Stockpile	
		Clay Lumps T112						
		Sand Equivalent GDT-63						
		Mica Content						
	Mineral Filler	Gradation T11 & T27	DOT-168	10 lbs.	QPL-81	One per 500 tons, per Type, per Source	Silo	
	In-Place Material	Thickness Measurement GDT42 Method B	DOT-176		One per 1,000 ft, per 2 lanes	Observe 1 per 3 miles, per 2 lanes	Completed Course	
	Hydrated Lime	Physical & Chemical Analysis M303		1 qt.*	QPL-41	One per Quarter	Silo or Tanker	*Air-tight container As required by SOP-17
		Gradation T219						
		Chemical T219						
Release Agent	Slide & Soak Test GDT-113		1 qt.	QPL-39	One per Quarter	Nozzle of Delivery System		
Complete Mixture	Extractions T11, GDT-38, GDT73, GDT-83 or GDT-125, T-30	DOT-387	Varies per Mix Type	Minimum 1 per 500 tons	Two QA samples per 5 days production or 5 lots; 1 comparison sample per 10 days	Truck or Roadway	AASHTO T308 (Method A)	
	Stripping Test GDT-56		300 g	One per Extraction (Open-Graded Mixes only)		Same as Extraction	For all Asphaltic Concrete "OGFC" & other Mixes where the additive is incorporated at the plant, test at frequency of 1 per Extraction	

	Compaction GDT-39, GDT-59, or GDT-73	DOT-386	Core	≥ 500 tons 5 per lot . < 500 tons 1 per 100 tons.		After Compaction	Small quantities may be accepted with less compaction tests *Each test consists of 3 readings when Nuclear Gauge is used to determine Density
	Smoothness GDT-126	DOT-656		per 1 mile			

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402								
HOT MIX RECYCLED ASPHALTIC CONCRETE	Asphalt Cement	DSR-T-315	DOT-504	(2) 1 pt.	QPL-7	As per GSP-21	Storage Tank	
	Coarse Aggregate for Asphaltic Concrete	Wash 200 T11	DOT-658	45 lbs.	QPL-2	As necessary	Stockpile	
		Gradation T27						
	Fine Aggregate for Asphaltic Concrete	Gradation T11 & T27	DOT-658	20 lbs.	QPL-1	As necessary	Stockpile	
		Clay Lumps T112						
		Sand Equivalent GDT-63						
		Mica Content						
	Mineral Filler	Gradation T11 & T27	DOT-168	10 lbs.	QPL-81	One per 500 tons, per Type, per Source	Silo	
	In-Place Material	Thickness Measurement GDT42 Method B	DOT-176		One per 1,000 ft, per 2 lanes	Observe 1 per 3 miles, per 2 lanes	Completed Course	
	Hydrated Lime	Physical & Chemical Analysis M303		1 qt.*	QPL-41	One per Quarter	Silo or Tanker	*Air-tight container As required by SOP-17
Gradation T219								
Chemical T219								
Releasing Agent	Slide & Soak Test GDT-113		1 qt.	QPL-39	One per Quarter	Nozzle of Delivery System		
Complete Recycled Mixture	Extractions T11, GDT-38, GDT73, GDT-83 or GDT-125, T-30	DOT-387	Varies per Mix Type	Minimum 1 per 500 tons	Two QA samples per 5 days production or 5 lots; 1 comparison sample per 10 days	Truck or Roadway	AASHTO T308 (Method A)	

Abson Recovery GDT-119			1 per week, ≥ 20% RAP			As required by GSP 21
Compaction GDT-39, GDT-59, or GDT-73	DOT-386	Core	≥ 500 tons 5 per lot . < 500 tons 1 per 100 tons.		After Compaction	Small quantities may be accepted with less compaction tests *Each test consists of 3 readings when Nuclear Gauge is used to determine Density
Smoothness GDT-126	DOT 656	per 1 mile				

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TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS	
					ACCEPTANCE	QUALITY ASSURANCE			
HOT IN-PLACE RECYCLED ASPHALTIC CONCRETE	Asphalt Cement Rejuvenation Agent	ASTM D4552			Supplier Certification				
	Asphalt Cement	DSR-T-315	DOT-504	(2) 1 pt.	QPL-7	One per 75,000 gal., per Source	Before mixing		
	Hot Mix Asphalt c Concrete produced at asphalt plant (if incorporated)								
	Asphalt Cement	DSR-T-315	DOT-504	(2) 1 pt.	QPL-7	As per GSP-21	Storage Tank		
	Coarse Aggregate for Asphaltic Concrete	Wash 200 T11	DOT-658	45 lbs.	QPL-2	As necessary	Stockpile		
		Gradation T27							
	Fine Aggregate for Asphaltic Concrete	Gradation T11 & T27	DOT-658	20 lbs.	QPL-1	As necessary	Stockpile		
Clay Lumps T112									
Sand Equivalent GDT-63									
	Mica Content								
Mineral Filler	Gradation T11 & T27	DOT-168	10 lbs.	QPL-81	One per 500 tons, per Type, per Source	Silo			
In-Place Material	Thickness Measurement GDT42 Method B	DOT-176		One per 1,000 ft, per 2 lanes		Completed Course			

Hydrated Lime	Physical & Chemical Analysis M303		1 qt.*	QPL-41	One per Quarter	Silo or Tanker	*Air-tight container As required by SOP-17
	Gradation T219						
	Chemical T219						
Complete Mixture	Extractions T11, GDT-38, GDT73, GDT-83 or GDT-125, T30	DOT-387	Varies per Mix Type	Minimum 1 per 500 tons	Two QA samples per 5 days production <u>or</u> 5 lots; 1 comparison sample per 10 days	Truck or Roadway	AASHTO T308 (Method A)
	Stripping Test GDT-56		300 g	One per Extraction (Open-Graded Mixes only)		Same as Extraction	For all Asphaltic Concrete "OGFC" & other Mixes where the additive is incorporated at the plant, test at frequency of 1 per Extraction
Virgin Aggregate	Gradation T27	DOT-658	35 lbs.	QPL-1 or QPL-2	As Needed		
	Wash 200 T11						

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	Complete Hot in Place Recycled Mix	Extractions T11, GDT-38, GDT73, GDT-83 or GDT-125	DOT-387	Varies per Mix Type	Minimum 1 per 500 tons	Two QA samples per 5 days production <u>or</u> 5 lots; 1 comparison sample per 10 days	Truck or Roadway	AASHTO T308 (Method A)
		Compaction GDT-39, GDT-59, or GDT-73	DOT-382	Core	≥ 500 tons 5 per lot . < 500 tons 1 per 100 tons.		After Compaction	Small quantities may be accepted with less. Compaction tests *Each test consists of 3 readings when Nuclear Gauge is used to determine Density
		Smoothness GDT-126	DOT 656	per 1 mile				
		Density, Stability & Flow T245	DOT-658					
		Maximum Theoretical Gravity T209						One per day from Roadway

Extractions GDT-38 & GDT-83				
Penetration T49				
Percent Voids T269				

405

HOT ASPHALTIC VULCANIZED RUBBER SEAL	Asphalt Cement	DSR-T-315	DOT-504M	1 qt.	QPL-7	One per 5 days of production	Distributor (before application)	
	Vulcanized Rubber				Certified Mill Test Report			
	Coarse Aggregate	Wash 200 T11						
Gradation T27		DOT-658	45 lbs.	QPL-2		Stockpile		

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BITUMINOUS PRIME	Cutback Asphalt	Viscosity T201	DOT-503	1 qt.	QPL-7	one per project	Distributor	
	Cutback Asphalt Emulsion	Viscosity T72	DOT-503	1 qt.	QPL-7 & Visual Inspection	one per project	Distributor	

413

BITUMINOUS TACK COAT	Asphalt Cement	DSR-T-315	DOT-504M	(2) 1 pt.	QPL-7	One per 7 days of placement SR. Two per 7 days placement Interstate.	Distributor (before application)	
		GDT-57		6-inch core				as required

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	Emulsified Asphalt	Viscosity T59 Sieve Test T59 Residue by Distillation T59 (at Bituminous Branch's discretion)	DOT-325M	1 gal plastic	QPL-7	One per 7 days of placement	Distributor (before application)	
		GDT-57		6-inch core				as required
414								
HOT ASPHALT RUBBER SEAL FOR STRESS RELIEF	Asphalt Cement	DSR-T-315			QPL-7 & Visual Inspection			
	Ground Tire Rubber		DOT-658		Certified Mill Test Report			
	Coarse	Wash 200 T11	DOT-658	45 lbs.	QPL-2	As necessary	Stockpile	

		Aggregate	Gradation T27					
424								
BITUMINOUS SURFACE TREATMENT	Asphalt Cement	DSR-T-315	DOT-504M	(2) 1 pt.	QPL-7	1 per project	Distributor	
	Emulsified Asphalt	Viscosity T59 penetration residue sieve	DOT-325M	(2) 1 gal. plastic	QPL-7	1 per project	Distributor	
	Coarse Aggregate	Gradation T27				QPL-2, Sections A, B & C	One per size, per Project	Stockpile
Minus No.200 Material T11			DOT-658	45 lbs.	One per 500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.			

427									
EMULSIFIED ASPHALT SLURRY SEAL	Emulsified Asphalt	Viscosity T59	DOT-503	1 gal.*	QPL-7	One per Project	Storage Tank	*non-metal container	
	Hydrated Lime	Physical & Chemical Analysis M303							
		Gradation T219			1 qt.*	QPL-41	One per Project		*Air-tight container
		Chemical T219							
	Portland Cement	Physical & Chemical Analysis M85							
		Air Content M85							
		Fineness M85		DOT-175	20 lbs.	QPL-3	One per Project		
Autoclave M85									
	Compressive Strength M85								
	Vicat T131								

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Chemical M85						
	Fine Aggregate	Gradation T27	DOT-658	20 lbs.			Stockpile	

		Wash 200 T11			One per 1,500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D.			
	Water	Physical & Chemical Analysis T26	DOT-088	1 qt.*	One per unpotable Source		Enough in advance so results are known before use	*non-metal container	
	In-Place Material	Extraction GDT-38, GDT-83 or GDT-125, T30		1 gal.	One per week, per truck		From Distributor	AASHTO T308 (Method A)	
428									
MICRO-SURFACING	Emulsified Asphalt	Viscosity T59	DOT 325	1 gal.*	QPL-7	One per Project	Before mixing	*non-metal container	
	Diluted Emulsion Tack	Residue by Evaporation T59	DOT 325	1 gal.*	One per 5 days of production		Distributor	*non-metal container	
	Hydrated Lime	Physical & Chemical Analysis M216	DOT 325	1 qt.*	QPL-41	One per Project		*Air-tight container	
	Portland Cement	Physical & Chemical Analysis M85		20 lbs.	QPL-3	One per Project			
	Aggregate	Moisture Content GDT-40			2000 g		One per 5 days of production	Stockpile	
		Gradation T27							
		Minimum No. 200 T11 Sand Equivalent GDT-63		DOT-658	20 lbs.	One per 500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, as needed, except for Section D, Stockpile Basis Sources: GDOT will perform acceptance tests on materials delivered from Section D Sources.	Stockpile	
In-Place Material	Extraction GDT-125			Minimum: 2000 g		Two per 1 day of production	Paver		
	Gradation GDT-3, T30								
430									
PORTLAND CEMENT CONCRETE	Concrete	Compressive Strength GDT-35 & T22	DOT-319 Site Manager	6" X 12" or 4" X 8" cylinders	Divide lot into 3 equal sub lots make 3 (4) cylinders for each sub lot. Lot = 5,334 yd2		During placement operations at Roadway		

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					ACCEPTANCE	QUALITY ASSURANCE		
PAVEMENT		Air Content GDT-26	DOT-176		Air, Slump & mix temp. when cylinders are made & as necessary for control			Minimum of 3 per day by Contractor
		Slump GDT-27						Minimum of 3 per day by Contractor
		Mix Temperature GDT-122						
		Thickness GDT-31		4" core or Echo Meter				As per Section 430.3.06 H of the Specifications and GDT 73 of the STI.
	Portland Cement	Air Content T137	DOT-175	10 lbs.	QPL-3	One per 2,000 tons, per Source	Jobsite storage	
		Fineness M85						
		Autoclave M85						
		Compressive Strength M85						
		Vicat T131						
	Portland Pozzolan Cement	Air Content T137	DOT-175	10 lbs.	QPL-3	One per 2,000 tons, per Source	Jobsite storage	
		Fineness M240						
		Autoclave M240						
		Compressive Strength M240						
		Vicat T131						
	Curing Agent	Specifications for Liquid Membrane Curing M148	DOT-168	1 qt.	QPL-16 or preinspection by Central Lab Personnel		Jobsite storage	As required by SOP-17
		Paper Mats, Plastic Specifications		1 yd ²	Pre-inspected by Central Lab Personnel			
	Air-Entrainment Admixtures	Air-Entraining Admixtures for Concrete M154	DOT-175	1 qt.	QPL 13	1 per 7 production days, per source		Jobsite storage
	Chemical Admixtures	chemical admixtures for Concrete M194	DOT-175	1 qt.	QPL 14	1 per 7 production days, per source		Jobsite storage
	Fly Ash	Fineness M295	DOT-175	10 lbs.	QPL-30	One per 2,000 tons, per Source	Jobsite storage	
		Activity M295						
Soundness M295								
Density M295								

Slag	Chemical M295	DOT-175	10 lbs.	QPL-30	One per 2,000 tons, per Source	Jobsite storage	
	Fineness M302						
	Activity M302						
	Air Content M302						
	Density M302						

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					ACCEPTANCE	QUALITY ASSURANCE		
Steel Bars for Reinforcement	Steel Bars for Reinforcement	Chemical M302	DOT-166	1 pc @ 24" per size	QPL-12 & QPL-61 w/Certified Mill Test Reports.	Random sampling at Fabricator	Supplier, Fabricator or Jobsite storage	
		Number M31M						
		Weight M31M						
		Dimensions M31M						
		Deformation Spacing M31M						
		Height & Gap M31M						
		Tensile Strength T244						
		Yield Strength T244						
		Elongation T244						
		Bend Test T285						
Steel Wire for Reinforcement	Steel Wire for Reinforcement	Chemical M31M	Certification	1 pc @ 24" per size/dia	Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Size M32M						
		Diameter M32M						
		Area M32M						
		Tensile Strength T244						
		Yield Strength T244						
		Area Reduction T244						
Bend Test M32M								
Welded Steel Wire Fabric for Reinforcement	Welded Steel Wire Fabric for Reinforcement	Size M55M	Certification	2' X 2'	QPL-55 w/Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Diameter M55M						
		Area M55M						
		Tensile Strength T244						
		Yield Strength T244						
		Area Reduction T244						
		Bend Test M55M						
Weld Shear Strength M55M								

	Width M55M						
	Length M55M						
	Spacing M55M						
Dowel Bars	Number M31M	DOT-166A	3 pcs. @ 18" long per size	QPL-43 w/Certified Mill Test Report		Jobsite storage, prior to use	*N/A for Plain Dowel Bars
	Weight M31M						
	Dimensions M31M						
	Height & Gap M31M*						
	Tensile Strength T244						
	Yield Strength T244						
	Elongation T244						
	Bend Test T285						
	Chemical M31M						
	Coating 853.08						
Tie Bars	Number M31M	DOT-166	3 pcs. @ 30"	QPL-12 & QPL 61		Jobsite storage, prior to	

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Weight M31M		long per size			use	
		Dimensions M31M						
		Deformation Spacing M31M						
		Height & Gap M31M*						
		Tensile Strength T244						
		Yield Strength T244						
		Elongation T244						
		Chemical M31M						
	Dowel Bars & Tie Bars Baskets	As Specified	DOT-166A	6 bars in basket assembly	One per Project	One per Project	Jobsite storage, prior to use	
	Multi-Piece tie Bars	As Specified	DOT- 166	Complete Assembly*	As per Section 430.2.E of the Specifications	One per Project	Jobsite storage, prior to use	*2 pieces of deformed reinforcing steel (3' each) with coupler assembled
	Coarse	Gradation T27	DOT-658	45 lbs.			Belt & Stockpile	

Aggregate	Wash 200 T11			One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
Fine Aggregate	Gradation T27	DOT-658	20 lbs.	One per 1,500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources. Material from Section D must be sampled.	QPL-1 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources. The Department will perform acceptance tests on materials delivered from Section D Sources.	Belt & Stockpile	
	Minus No. 200 T11						
	Sand Equivalent GDT-63						
Silicone Sealant	Tensile Stress ASTM D412	DOT-168		QPL-66 or 1 sample per batch, per Type			
	Durometer ASTM D2240						
	Bond GDT-106						
	Tack Free Time GDT-106						
	Extrusion GDT-106						
	Non-Volatile GDT-106						

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		Specific Gravity ASTM D792						
		Adhesion GDT-106						
		Resistance ASTM C793						
Bond Breakers -Rods		Density ASTM D1622	DOT-168	6 ft	Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment		Stock	
		Tensile Strength ASTM D1623						
		Water Absorption ASTM C1061						

Bond Breakers -Tape	Thickness	DOT-168		Certified Mill Test Report			
Epoxy Adhesive	Pot Life GDT-58	DOT-168	1 kit	QPL-15 or 1 sample per batch, per Type			
	Bond Strength GDT-58						
	Shelf Life						
	Condition						
Water	Quality of Water to be Used in Concrete T26	DOT-088	1 qt.*	One per unpotable Source, per month		Prior to use	*non-metal container

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REINFORCED CONCRETE APPROACH SLABS	Concrete	Compressive Strength GDT-35 & T22	DOT-319 Site Manager		One set of 50 yd ³ daily for each structure		Placement site	
		Air Content GDT-26			Air, slump & mix temp. when cyls. Are made & as judge necessary to insure adequate control		Placement site	
		Slump GDT-27						
		Mix Temperature GDT-122						
	Portland Cement	Air Content T137	DOT-175			QPL-3		
		Fineness M85						
		Autoclave M85						
		Compressive Strength M85						
		Vicat T131						
	Portland Pozzolan Cement	Air Content T137	DOT-175			QPL-3		
		Fineness M240						
		Autoclave M240						
		Compressive Strength M240						
		Vicat T131						
	Fine Aggregate	Gradation T27	DOT-658		One per 1,500 tons	QPL-1 Sources, 1		

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		Sand Equivalent GDT-63			based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
Coarse Aggregate		Wash 200 T11	DOT-658		One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Gradation T27						
Steel Bars for Reinforcement		Number M31M	DOT-166	1 pc @ 24" per size	QPL-12 & QPL-61 w/Certified Mill Test Reports.	Random sampling at Fabricator	Supplier, Fabricator or Jobsite storage	
		Weight M31M						
		Dimensions M31M						
		Deformation Spacing M31M						
		Height & Gap M31M						
		Tensile Strength T244						
		Yield Strength T244						
		Elongation T244						
		Bend Test T285						
	Chemical M31M							
Fly Ash		Fineness M295	DOT-175	10 lbs.	QPL-30			
		Activity M295						
		Soundness M295						
		Density M295						
		Chemical M295						
Slag		Fineness M302	DOT-175	10 lbs.	QPL-30			
		Activity M302						
		Air Content M302						
		Density M302						
		Chemical M302						

Silicone Sealant	Tensile Stress ASTM D412	Misc. DOT168	QPL-66 or 1 sample per batch, per Type
	Durometer ASTM D2240		
	Bond GDT-106		

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		Tack Free Time GDT-106						
		Extrusion GDT-106						
		Non-Volatile GDT-106						
		Specific Gravity ASTM D792						
		Adhesion GDT-106						
		Resistance ASTM C793						
	Bond Breakers -Rods	Density ASTM D1622	Misc. DOT168	6 ft	Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment		Stock	
		Tensile Strength ASTM D1623						
		Water Absorption ASTM C1061						
	Bond Breakers -Tape	Thickness	Misc. DOT168		Certified Mill Test Report			
	Epoxy Adhesive	Pot Life GDT-58	Misc. DOT168		QPL-15 or 1 sample per batch, per Type			
		Bond Strength GDT-58						
		Shelf Life						
Condition								
434								
SAND ASPHALT PAVED DITCHES	Concrete	Compressive Strength GDT-35 & T22	DOT-319	2 cylinders	One set per each 100 cumulative yd ³ or 1 set per week, per Plant		During pouring operation	
		Air Content GDT-26 or GDT-32						
		Slump GDT-27						
	Asphalt Complete Mixture	Specification Requirements GDT-38 or GDT-83, GDT 125, T30		25 lbs.	Two per week		Truck or Roadway	
	Asphalt Cement	DSR T315	DOT-504	(2) 1 pt.	QPL-7	One per Project	Before application	
Fine Aggregate	Gradation T11 or T27	DOT-658	20 lbs.			Stockpile		

Sand Equivalent **GDT-63**

One per 1,500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.

QPL-1 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.

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RAPID SETTING CEMENT	Rapid Setting Patching	Flow of Mortar ASTM C109	Misc. DOT168		QPL-27 or preinspected by Central			
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CONCRETE END DAMS & PATCHES	Material	Flexural Strength T97			Lab Personnel			
		Compressive Strength ASTM C109 or ASTM C31						
		Adsorption ASTM C140						
		Chlorides T260						
		Shear Bond Freeze-Thaw ASTM C666						
	Epoxy Adhesive	Pot Life GDT-58	Misc. DOT168	1 kit	QPL-15 or 1 sample per batch, per Type	Stock		
		Elongation GDT-58						
		Bond Strength GDT-58						
		Hardness ASTM D2240						
		Sag Test T237						
	Wet Bond Test T237							
	Silicone Sealant	Tensile Stress ASTM D412	Misc. DOT168		QPL-66 or 1 sample per batch, per Type	Stock		
		Hardness ASTM D2240						
		Bond GDT-106						
		Tack Free Time GDT-106						
		Extrusion GDT-106						
		Non-Volatile GDT-106						
	Specific Gravity ASTM D792							

	Adhesion GDT-106						
	Resistance ASTM C793						
Bond Breakers -Rods	Density ASTM D1622	Misc. DOT168	6 ft	Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment		Stock	
	Tensile Strength ASTM D1623						
	Water Absorption ASTM C1061						
Bond Breakers -Tape	Thickness	Misc. DOT168		Certified Mill Test Report			
Preformed Foam Joint Filler	Specification 822.10	Misc. DOT168		QPL-20 Certified Mill Test Report			

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ASPHALTIC CONCRETE CURB	NOTE: When placed in conjunction with Pay Item in Section 400, and ingredients are sampled under that Item, no additional samples of AC, CA, FA, or Mineral Filler required.						
Tack Coat	Specification Requirements T59, DSR T315	DOT-503	1 gal. PLASTIC	QPL-7	One per Project	Before application	

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Asphalt Cement	Dynamic Shear TP-5, DSR T315	DOT-504	(2) 1 pt.	QPL-7	One per Project	Before application	
	Mineral Filler	Gradation T11 & T27		10 lbs.	QPL-81	One per 1,000 tons, per Type, per Source	Stock	
	Completed Mix	Specification Requirements GDT-38 or GDT-83, GDT 125, T30	DOT-387 OMR-TM- 159-5	25 lbs.	Two per week		Truck or Roadway	
	Fine Aggregate	Gradation T27	DOT-658		One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	As necessary		
		Sand Equivalent GDT-63 Minus No. 200 T11						
	Coarse	Wash 200 T11	DOT-658			As necessary		

Aggregate	Gradation T27			One per 500 tons based upon QPL-2, except from Section D, Stockpile Basis Sources; material from Section D must be sampled.		
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437							
GRANITE CURB	Granite from Unapproved Source	Percent Wear T96		100 lbs.	One per Source		Stock
	Granite from Approved Source				QPL-2 & Visual Inspection		

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PRECAST CONCRETE HEADER CURB	Portland Cement	Air Content T137	DOT-175		QPL-3	One per Quarter, per Source, per District		
		Fineness M85						
		Autoclave M85						
		Compressive Strength M85						
		Vicat T131						
	Portland Pozzolan Cement	Air Content T137	DOT-175					
		Fineness M240						
		Autoclave M240						
		Compressive Strength M240						
		Vicat T131						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Chemical M240						
	Fine Aggregate	Gradation T27	DOT-658	20 lbs.				

	Sand Equivalent GDT-63			One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources: GDOT will perform acceptance tests on materials delivered from Section D Sources.		
Coarse Aggregate	Wash 200 T11	DOT-658	45 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources: GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Gradation T27						
Steel Bars for Reinforcement	Number M31M	DOT-166	1 pc @ 24" per size	QPL-12 & QPL-61 w/Certified Mill Test Reports.	Random sampling at Fabricator	Supplier, Fabricator or Jobsite storage	
	Weight M31M						
	Dimensions M31M						
	Deformation Spacing M31M						
	Height & Gap M31M						
	Tensile Strength T244						
	Yield Strength T244						
	Elongation T244						
	Bend Test T285						
Chemical M31M							
Fly Ash	Fineness M295	DOT-175		QPL-30			
	Activity M295						
	Soundness M295						
	Density M295						
	Chemical M295						
Dowel Bars	Number M31M	DOT-166A		QPL-43 w/Certified Mill Test Report		*N/A for Plain Dowel Bars	
	Weight M31M						
	Dimensions M31M						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS	
					ACCEPTANCE	QUALITY ASSURANCE			
		Deformation Spacing M31M*							
		Height & Gap M31M*							
		Tensile Strength T244							
		Yield Strength T244							
		Elongation T244							
		Bend Test T285							
		Chemical M31M							
		Coating 853.08							
439									
PORTLAND CEMENT CONCRETE PAVEMENT (SPECIAL)	Concrete	Compressive Strength GDT-35 & T22	DOT-319 Site Manager	2 cylinders 6" X 12" or 4" X 8"	See NOTE 1		During pouring	Cylinders to be broken in Branch or Central Lab	
		NOTE 1: One set per each 350 yd ³ of each Class of Concrete placed daily for each structure, except for Concrete used in Bridge Curb, Handrail or Wall Coping. Two Concrete cylinders shall be fabricated for each cumulative 350 yd ³ or fraction thereof, of Concrete placed per week in each structure. Cylinders shall not be fabricated at one structure to represent Concrete placed in another structure.							
		Air Content GDT-26 or GDT-32		See NOTE 2	When cylinders are made		Placement site	Additional Slump test will be required when Water is added on Project	
		Slump GDT-27							
		Mix Temperature GDT-122							
NOTE 2: Air, Slump & Mix Temperature tests are all required when cylinders are made & as judged necessary to insure adequate control.									
Portland Cement		Air Content T137	DOT-175	10 lbs.	QPL-3		Jobsite Plants only		
		Fineness M85							
		Autoclave M85							
		Compressive Strength M85							
		Vicat T131							
Chemical M85									
Portland Pozzolan Cement		Air Content T137	DOT-175	10 lbs.	QPL 3		Jobsite Plants only		
		Fineness M240							
		Autoclave M240							
		Compressive Strength M240							
		Vicat T131							
Chemical M240									

Fine Aggregate	Gradation T27	DOT-658	20 lbs.	Based upon QPL-1,	QPL-1 Sources, 1		
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TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Sand Equivalent GDT-63 Minus No. 200 T11			Except for Section D, Stockpile Basis Sources; material from Section D must be sampled 1 per 500 tons.	per month, per active plant, except for Section D, Stockpile Basis Sources: GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse Aggregate	Wash 200 T11	DOT-658	30 lbs.	Based upon QPL-2 Sources, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources: GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Gradation T27						
	Steel Bars for Reinforcement	Number M31M	DOT-166	1 pc @ 24" per size	QPL-12 & QPL-61 w/Certified Mill Test Reports.	Random sampling at Fabricator	Supplier, Fabricator or Jobsite storage	
		Weight M31M						
		Dimensions M31M						
		Deformation Spacing M31M						
		Height & Gap M31M						
		Tensile Strength T244						
		Yield Strength T244						
		Elongation T244						
		Bend Test T285						
	Chemical M31M							
	Steel Wire for Reinforcement	Size M32M	Certification	1 pc @ 24" per size/dia	Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Diameter M32M						
		Area M32M						
		Tensile Strength T244						

Welded Steel Wire Fabric for Reinforcement	Yield Strength T244	Certification	2' X 2'	QPL-55 w/Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
	Area Reduction T244						
	Bend Test M32M						
	Size M55M						
	Diameter M55M						
	Area M55M						
Tensile Strength T244							

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS						
					ACCEPTANCE	QUALITY ASSURANCE								
		Yield Strength T244												
		Area Reduction T244												
		Bend Test M55M												
		Weld Shear Strength M55M												
		Width M55M												
		Length M55M												
		Spacing M55M												
	Dowel Bars	Number M31M							DOT-166A	3 pcs. @ 18" long per size	QPL-43 w/Certified Mill Test Report		Jobsite Storage, prior to use	*N/A for Plain Dowel Bars
	Weight M31M													
	Dimensions M31M													
	Deformation Spacing M31M*													
	Height & Gap M31M*													
	Tensile Strength T244													
	Yield Strength T244													
	Elongation T244													
	Bend Test M285													
	Chemical M3													
	Coating 853.08													
Tie Bars	Number M31M	DOT-166	3 pcs. @ 30" long per size	QPL-12 & QPL-61		Jobsite Storage, prior to use								
Weight M31M														
Dimensions M31M														
Deformation Spacing M31M														
Height & Gap M31M														
Tensile Strength T244														
Yield Strength T244														

	Elongation T244						
	Chemical M3						
Dowel Bar & Tie Bar Baskets	As Specified	DOT-166	6 bars in basket assembly	One per Project, per size		Jobsite Storage, prior to use	
Multi-Piece Tie Bars	As Specified	DOT-166	Complete Assembly*	As per Section 430.2.E of the Specifications	One per Project	Jobsite Storage, prior to use	*2 pieces of deformed reinforcing steel (3' long each) with coupler, assembled
Fly Ash	Fineness M295	DOT-175	10 lbs.	QPL-30	One per 2,000 tons, per Source	Jobsite storage	Jobsite plants only
	Activity M295						
	Air Content M295						
	Density M295						
Slag	Chemical M295	DOT-175	10 lbs.	QPL-30	One per 2,000 tons, per Source	Jobsite storage	Jobsite plants only
	Fineness M302						
	Activity M302						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Soundness M302						
		Density M302						
		Chemical M302						
	Silicone Sealant	Tensile Stress ASTM D412	Misc. DOT168		QPL-66 or 1 sample per batch, per Type			
		Durometer ASTM D2240						
		Bond GDT-106						
		Tack Free Time GDT-106						
		Extrusion GDT-106						
		Non-Volatile GDT-106						
		Specific Gravity ASTM D792						
		Adhesion GDT-106						
		Resistance ASTM C793						
	Bond Breakers -Rods	Density ASTM D1622	Misc. DOT168	6 ft	Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment	Stock		
		Tensile Strength ASTM D1623						
		Water Absorption ASTM C1061						

Bond Breakers -Tape	Thickness	Misc. DOT168		Certified Mill Test Report			
Epoxy Adhesive	Pot Life GDT-58	Misc. DOT168		QPL-15			
	Bond Strength GDT-58						
	Shelf Life						
	Condition						
Water	Quality of Water to be Used in Concrete T26	DOT-088	1 qt.*	One per unpotable Source, per month		Prior to use	*non-metal container

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PORTLAND CEMENT CONCRETE SHOULDERS	Portland Cement	Physical & Chemical Analysis M85	DOT-175	10 lbs.	QPL-3	One per 2,000 tons	Jobsite storage	
		Air Content T137						
		Fineness M85						
		Autoclave M85						
		Compressive Strength M85						
		Vicat M131						
		Chemical M85						
Portland Pozzolan Cement	Air Content T137	DOT-175	10 lbs.	QPL-3	One per 2,000 tons, per source	Jobsite storage		
	Fineness M240							
	Autoclave M240							

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Compressive Strength M240						
		Vicat T131						
		Chemical M240						
	Water	Quality of Water to be Used in Concrete T26	DOT-088	1 qt.*	One per unpotable source, per month		Prior to use	*non-metal container
	Curing Agent	Specification for Liquid Membrane Curing M148	DOT-168		QPL-16			
	Air-Entrainment Admixtures	Air-Entraining Admixtures for Concrete M154	DOT-168	1 qt.*	QPL-13	1 per 7 production days, per source	Jobsite storage	

Chemical Admixtures	Chemical Admixtures for Concrete M194	DOT-168	1 qt.*	QPL-14	1 per 7 production days, per source	Jobsite storage	
Steel Bars for Reinforcement	Number M31M	DOT-166	1 pc @ 24" per size	QPL-12 & QPL-61 w/Certified Mill Test Reports.	Random sampling at Fabricator	Supplier, Fabricator or Jobsite storage	
	Weight M31M						
	Dimensions M31M						
	Deformation Spacing M31M						
	Height & Gap M31M						
	Tensile Strength T244						
	Yield Strength T244						
	Elongation T244						
	Bend Test T285						
Chemical M31M							
Steel Wire for Reinforcement	Size M32	Certification	1 pc @ 24" per size/dia	Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
	Diameter M32						
	Area M32						
	Tensile Strength T244						
	Yield Strength T244						
	Area Reduction T244						
	Bend Test M32						
Welded Steel Wire Fabric for Reinforcement	Size M55M	Certification	2' X 2'	QPL-55 w/Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
	Diameter M55M						
	Area M55M						
	Tensile Strength T244						
	Yield Strength T244						
	Area Reduction T244						
	Bend Test M55M						
	Weld Shear Strength M55M						
	Width M55M						
	Length M55M						
	Spacing M55M						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		

	Preformed Joint Filler		Misc. DOT168		QPL-20 Certified Mill Test Report			
	Tie Bars	Number M31M	DOT-166	3 bars @ 30" long	QPL-12 & QPL-61		Jobsite storage, prior to use	
		Weight M31M						
		Dimensions M31M						
		Deformation Spacing M31M						
		Height & Gap M31M						
		Tensile Strength T244						
		Yield Strength T244						
		Elongation T244						
		Bend Test T285						
		Chemical M31M						
		Coating 853.08						
	Graded Aggregate	Gradation T11	DOT-658	45 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D sources.	Stockpile	*Normally GDT-63 will only be required on Independent Assurance samples of graded aggregate. Also, GDT-2 will normally only be required on Independent Assurance samples on fine aggregate.
		Sand Equivalent GDT-63* Gradation T27						
	Coarse Aggregate	Gradation T27	DOT-658	45 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.	Belt or Stockpile	
		Wash 200 T11						
	Fine Aggregate	Gradation T27	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D,	QPL-1 Sources, 1 per 20,000 tons, except for Section D,	Belt or Stockpile	
		Minus No. 200 T11						

Sand Equivalent **GDT-63**

Stockpile Basis Sources; material from Section D must be sampled.

Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Concrete	Compressive Strength GDT-35 & T22	DOT-319 Site Manager	6" X 12" or 4"X 8" cylinders	Three sets of 2 cylinders per Lot		During placement operations at Roadway	
		Air Content GDT-26			Air, slump & mix temp.; when cyls. Are made & as judge necessary to insure adequate control.			
		Slump GDT-27						
		Mix Temperature GDT-122						
		Thickness		As per specified Shoulder Type				
	Slag	Fineness M302	DOT-175	10 lbs.	QPL-30	One per 2,000 tons, per source	Jobsite storage	
		Activity M302						
		Air Content M302						
		Density M302						
		Chemical M302						
	Fly Ash	Fineness M295	DOT-175	10 lbs.	QPL-30	One per 2,000 tons, per source	Jobsite storage	
		Activity M295						
		Soundness M295						
		Density M295						
		Chemical M295						
	Silicone Sealant	Tensile Stress ASTM D412	Misc. DOT168		QPL-66			
		Durometer ASTM D2240						
		Bond GDT-106						
		Tack Free Time GDT-106						
		Extrusion GDT-106						
		Non-Volatile GDT-106						

	Specific Gravity ASTM D792						
	Adhesion GDT-106						
	Resistance ASTM C793						
Bond Breakers -Rods	Density ASTM D1622	Misc. DOT168	6 ft	Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment			
	Tensile Strength ASTM D1623						
	Water Absorption ASTM C1061						
Bond Breakers -Tape	Thickness	Misc. DOT168		Certified Mill Test Report			
Epoxy Adhesive	Pot Life GDT-58	Misc. DOT168		QPL-15			
	Bond Strength GDT-58						
	Shelf Life						
	Condition						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
441								
MISCELLANEOUS CONCRETE	Portland Cement	Air Content T137	DOT-175		QPL-3			
		Fineness M85						
		Autoclave M85						
		Compressive Strength M85						
		Vicat T131						
		Chemical M85						
	Portland Pozzolan Cement	Air Content T137	DOT-175		QPL-3			
		Fineness M240						
		Autoclave M240						
		Compressive Strength M240						
		Vicat T131						
		Chemical M240						
Fine Aggregate	Gradation T27	DOT-658	20 lbs.					

	Sand Equivalent GDT-63 Minus No. 200 T11			One per 500 tons, based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources: GDOT will perform acceptance tests on materials delivered from Section D Sources.		
Coarse Aggregate	Wash 200 T11	DOT-658	45 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources: GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Gradation T27						
Curing Agents	Specification for Liquid Membrane Curing M148	DOT-168		QPL-16			
Air-Entrainment Admixtures	Air-Entraining Admixtures for Concrete M154	Misc. DOT168		QPL-13			
Chemical Admixtures	Chemical Admixtures for Concrete M194	Misc. DOT168		QPL-14			
Steel Bars for	Number M31M	DOT-166	1 pc @ 24"	QPL-12 & QPL-61	Random sampling at	Supplier, Fabricator or	

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Reinforcement	Weight M31M		per size	w/Certified Mill Test Reports.	Fabricator	Jobsite storage	
		Dimensions M31M						
		Deformation Spacing M31M						
		Height & Gap M31M						
		Tensile Strength T244						
		Yield Strength T244						
		Elongation T244						
		Bend Test T285						
Chemical M31M								

Steel Wire for Reinforcement	Size M32M	Certification	1 pc @ 24" per size/dia	Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
	Diameter M32M						
	Area M32M						
	Tensile Strength T244						
	Yield Strength T244						
	Area Reduction T244						
	Bend Test M32M						
Welded Steel Wire Fabric for Reinforcement	Size M55M	Certification	2' X 2'	QPL-55 w/Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
	Diameter M55M						
	Area M55M						
	Tensile Strength T244						
	Yield Strength T244						
	Area Reduction T244						
	Bend Test M55M						
	Weld Shear Strength M55M						
	Width M55M						
	Length M55M						
Spacing M55M							
Joint Fillers & Sealers		Misc. DOT168	10"	QPL-20		Stock	Sample in accordance with SOP-17
Preformed Joint Filler	M153 or M213						
Hot Pour Joint Sealers	Penetration GDT-62	Misc. DOT168	8 lb. kit	Pre-inspected by Central Lab; 1 sample per shipment		Stock	
	Flow GDT-62						
	Resiliance GDT-62						
	Bond GDT-62						
	Compatibility GDT-62						
Elastomeric Polymer Type Joint Compound	Cone Penetration GDT-15	Misc. DOT168	1 kit	Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment		Stock	
	Solubility GDT-15						
	Resiliance GDT-15						
	Flow GDT-15						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		

Preformed Elastic Joint Sealer	Bond GDT-15	Misc. DOT168	36"	Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment	Stock
	Tensile Strength ASTM D412				
	Elongation at Break ASTM D412				
	Hardness ASTM D2240				
	Oven Aging ASTM D573				
	Oil Swell ASTM D471				
	Ozone Resistance ASTM D1149				
	Joint Sealer Recovery GDT-47				
Compression/Deflection GDT70					
Water-Blown Urethane Joint Filler	Specification 833.05	Misc. DOT168		Certified Mill Test Report	
Silicone Sealant	Tensile Stress ASTM D412	Misc. DOT168		QPL-66 or 1 sample per batch, per Type	Stock
	Hardness ASTM D2240				
	Bond GDT-106				
	Tack Free Time GDT-106				
	Extrusion GDT-106				
	Non-Volatile GDT-106				
	Specific Gravity ASTM D792				
	Adhesion GDT-106				
Resistance ASTM C793					
Bond Breakers – Rods	Density ASTM D1622	Misc. DOT168	6 ft	Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment	Stock
	Tensile Strength ASTM D1623				
	Water Absorption ASTM C1061				
Bond Breakers – Tape	Thickness	Misc. DOT168		Certified Mill Test Report	

Neoprene for Bridge Deck Joint Seal	Specification 833.07	Misc. DOT168		Certified Mill Test Report			
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TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Ethylene Propylene Diene Monomer for Bridge Deck Joint Seals	Specification 833.08	Misc. DOT168		Certified Mill Test Report			
	Polyurethane Sealant for Inductive Loops	Hardness ASTM D2240	Misc. DOT168		QPL-75			
		Tensile Strength ASTM D412						
		Elongation ASTM D412						
		Flexibility						
		Weather Resistance ASTM D822						
	Preformed Foam Joint Filler	Specification 833.2.10	Misc. DOT168		Certified Mill Test Report			
	Dowel Bars	Number M31M	DOT-166A	2 bars	QPL-43 w/Certified Mill Test Report	One per Project	Stock	*N/A for Plain Dowel Bars
		Weight M31M						
		Dimensions M31M						
		Deformation Spacing M31M*						
		Height & Gap M31M*						
		Tensile Strength T244						
		Yield Strength T244						
		Elongation T244						
		Bend Test T285						
		Chemical M3						
		Coating 853.08						

Concrete	Compressive Strength GDT-35 & T22	DOT-319 Site Manager	2 cylinders 6" X 12" or 4" X 8"	One set per each cumulative 100 yd ³ or 1 set per week, per Plant		During placement operations	
	Air Content GDT-26 or GDT-32			Air & Slump tests are required when cylinders are made & as judged necessary to insure adequate control		During placement operations	
	Slump GDT-27						
Fly Ash	Fineness M295	DOT-175		QPL-30			
	Activity M295						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Soundness M295						
		Density M295						
		Chemical M295						
	Epoxy Adhesive	Pot Life GDT-58	Misc. DOT168		QPL-15			
		Bond Strength GDT-58						
		Shelf Life						
	Condition							
442								
SEALING ROADWAY & BRIDGE JOINTS	Silicone Sealant	Tensile Stress ASTM D412	Misc. DOT168		QPL-66		Stock	
		Durometer ASTM D2240						
		Bond GDT-106						
		Tack Free Time GDT-106						
		Extrusion GDT-106						
		Non-Volatile GDT-106						
		Specific Gravity ASTM D792						
		Adhesion GDT-106						
	Resistance ASTM C793							
	Epoxy Adhesive	Pot Life GDT-58	Misc. DOT168		QPL-15 or 1 sample per batch, per Type		Stock	
Bond Strength GDT-58								

		Shelf Life					
		Elongation GDT-58					
		Hardness ASTM D2240					
		Sag T237					
		Wet Bond T137					
	Bond Breakers - Rods	Density ASTM D1622	Misc. DOT168	5 ft	One per Project & Certified Mill Test Report		Stock
		Tensile Strength ASTM D1623					
		Water Absorption ASTM C1016					
	Bond Breakers - Tape	Thickness	Misc. DOT168	5 ft	One per Project & Certified Mill Test Report		Stock

445							
WATERPROOFING PAVEMENT JOINTS & CRACKS	Waterproofing Membranes for Pavement Joints & Cracks	Permeability GDT-69					
		Breaking Factor ASTM D882					
		Heat Resistance GDT-69	Misc. DOT168		QPL-22		Stock
		Puncture Resistance ASTM E154					

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Elongation ASTM D882						
		Pliability ASTM D146						
		Adhesion GDT-69						
		Thickness						
446								
PAVEMENT REINFORCEMENT FABRIC	High Strength Pavement Reinforcement Fabric	Tensile Strength ASTM D412						
		Elongation ASTM D412						
		Density ASTM E12	Misc. DOT168		QPL-40		Stock	
		Weight per Gallon ASTM D70						
		Softening Point ASTM D36						
		Caliper ASTM D1777						

		Specific Gravity ASTM D80					
		Pliability ASTM D146					
		Width					
		Weight					
Pavement Reinforcement Fabric – Type I or II		Tensile Strength ASTM D4632	Misc. DOT168		QPL-40		Stock
		Elongation at Break ASTM D4632					
		Asphalt Retention GDT-95					
Bituminous Tack		Asphalt T-315		(2) 1 pt.	QPL-7		from Distributor

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PORTLAND CEMENT CONCRETE END DAMS & PATCHES	Concrete	Compressive Strength GDT-35 & GDT-22	DOT-319 Site Manager		One set of 4 for each placement date. (2 for 1 day, 2 for 3 day)		
		Air Content GDT-26 & GDT-32					
		Slump GDT-27					
		Mix Temperature GDT-122					
Epoxy Adhesive	Pot Life GDT-58	Misc. DOT168	1 kit	QPL-15 or 1 sample per batch, per Type		Stock	
	Elongation GDT-58						
	Bond Strength GDT-58						
	Hardness ASTM D2240						
	Sag Test T237						
	Wet Bond Test T237						
Silicone	Tensile Stress ASTM D412	Misc. DOT-		QPL-66			

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY			REMARKS
					ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	
	Sealant	Durometer ASTM D2240	168					
		Bond GDT-106						
		Tack Free Time GDT-106						
		Extrusion GDT-106						
		Non-Volatile GDT-106						

	Specific Gravity ASTM D792						
	Adhesion GDT-106						
	Resistance ASTM C793						
Preformed Foam Joint Filler	Specification 833.2.10	Misc. DOT168		QPL-20			
Portland Cement	Air Content T137	DOT-175		QPL-3			
	Fineness M85						
	Autoclave M85						
	Compressive Strength M85						
	Vicat T131						
	Chemical M85						
Portland Pozzolan Cement	Air Content T137	DOT-175		QPL-3			
	Fineness M240						
	Autoclave M240						
	Compressive Strength M240						
	Vicat T131						
	Chemical M240						
Fine Aggregate	Gradation T27	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources: GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Sand Equivalent GDT-63 Minus No. 200 T11						
Coarse	Wash 200 T11	DOT-658	45 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		

	Aggregate	Gradation T27			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources: GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Fly Ash	Fineness M295	DOT-175		QPL-30			
		Activity M295						
		Soundness M295						
		Density M295						
		Chemical M295						
	Epoxy Adhesive	Pot Life GDT-58	DOT-168		QPL-15			
		Bond Strength GDT-58						
		Shelf Life						
		Condition						

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PRESSURE GROUTING PORTLAND CEMENT CONCRETE PAVEMENT	Concrete Grout							
	Portland Cement	Air Content T137	DOT-175		QPL-3			
		Fineness M85						
		Autoclave M85						
		Compressive Strength M85						
		Vicat T131						
		Chemical M85						
	Calcium Chloride	Specification M144	DOT-319					
	Water	Quality of Water to be Used in Concrete T26	DOT-088	1 qt.	One per unpotable Source, per month		Enough in advance so that results are known before use	*Non-metal container
	Fly Ash	Fineness M295	DOT-175		QPL-30			
Activity M295								
Soundness M295								
Density M295								
Chemical M295								
Fine Aggregate	Gradation T27	DOT-658	20 lbs.	One per 500 tons	QPL-1 Sources, 1	Stock	If Lime or Fly Ash is to be	

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Sand Equivalent GDT-63 Minus No. 200 T11			based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources: GDOT will perform acceptance tests on materials delivered from Section D Sources.		added, sample Total Mixture of Fine Aggregate as indicated.
	Complete Mixture	Flow of Grout GDT-84			One per day of operation	Observe 1 per Project	During pumping operation	
		Penetration Resistance ASTM C403			One per Project <u>or</u> enough to insure proper setting time			
	Agricultural Lime				Pre-approved by Central Lab			
	Mineral Filler	Gradation GDT-22						
		Plasticity Index T90						

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451									
PATCHING PORTLAND CEMENT CONCRETE PAVEMENT	24-Hour Concrete								
	Concrete	Compressive Strength GDT-35 & T22	DOT-319 Site Manager	6" X 12" or 4" X 8" cylinders	One set for 4 of each placement date. (2 for 1 day, 2 for 3 day) Air, Slump & Mix Temperature tests are required when cylinders are made & as judged necessary to insure adequate controls.				Cylinder frequency & curing in accordance with Section 504 of the Specifications
		Air Content GDT-26 & GDT-35							
		Slump GDT-27							
		Mix Temperature GDT-122							
	Portland Cement	Air Content T137	DOT-175		QPL-3				
		Fineness M85							
		Autoclave M85							
		Compressive Strength M85							
		Vicat T131							
	Chemical M85								
	Fine Aggregate	Gradation T27	DOT-658	20 lbs.				Stock or Conveyor Belt	

Wash 200 **T11**

One per 500 tons based upon QPL-1,

QPL-1 Sources, 1 per month, per active

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Sand Equivalent GDT-63			except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	plant, except for Section D, Stockpile Basis Sources: GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse Aggregate	Wash 200 T11	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources: GDOT will perform acceptance tests on materials delivered from Section D Sources.	Stock or Conveyor Belt	
		Gradation T27						
	Calcium Chloride	Specification M144	DOT-319					
	Water	Quality of Water to be Used in Concrete T26	DOT-088	1 qt.	One per unpotable Source, per month		Enough in advance so that results are known before use	*Non-metal container
	Epoxy Adhesive	Pot Life GDT-58	Certification		QPL-15			
		Bond Strength GDT-58						
		Shelf Life						
		Condition						
	Silicone Sealant	Tensile Stress ASTM D412	Certification		QPL-66			
		Durometer ASTM D2240						
		Bond GDT-106						
		Tack Free Time GDT-106						
		Extrusion GDT-106						

	Non-Volatile GDT-106						
	Specific Gravity ASTM D792						
	Adhesion GDT-106						
	Resistance ASTM D793						
Polyethylene Foam	Cell Structure	Certification		QPL-20			
	Compression ASTM D1752						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Recovery ASTM D1752						
		Water Absorption ASTM D1752						
		Extrusion ASTM D1752						
	Rapid Setting Patching Material	Flow of Mortar ASTM C109						
		Flexural Strength T97						
		Compressive Strength ASTM C109 or ASTM C31						
		Absorption ASTM C140	Certification		QPL-27		Stock	
		Chlorides T260						
		Shear Bond Section 934.03						
		Freeze-Thaw Durability Certification						
	Epoxy Concrete				Mix Designs submitted to the Central Lab for approval			
452								
FULL DEPTH SLAB REPLACEMENT	Concrete	Compressive Strength GDT-35 & T22	DOT-319	6" X 12" Or 4" X 8" Cylinders	One set of 4 for each placement date. (2 for 1 day, 2 for 3 day) Air & Slump tests are required when cylinders are made & as judged necessary to ensure adequate controls			
		Air Content GDT-26						
		Slump GDT-27						

Portland Cement	Mix Temperature GDT-122	DOT-175	QPL-3			
	Air Content T137					
	Fineness M85					
	Autoclave M85					
	Compressive Strength M85					
	Vicat T131					
Fine Aggregate	Chemical M85	DOT-658	One per 500 tons based upon QPL-1,	QPL-1 Sources, 1 per month, per active		
	Gradation T27					
	Minus No.200 T11					

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Sand Equivalent GDT-63			except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	plant, except for Section D, Stockpile Basis Sources: GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse Aggregate	Wash 200 T11	DOT-658		One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources: GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Gradation T27						
	Steel Bars for Reinforcement	Number M31M	DOT-166	1 pc @ 24" per size	QPL-12 & QPL-61 w/Certified Mill Test Reports.	Random sampling at Fabricator	Supplier, Fabricator or Jobsite storage	
		Weight M31M						
		Dimensions M31M						
		Deformation Spacing M31M						
		Height & Gap M31M						
	Tensile Strength T244							

		Yield Strength T244							
		Elongation T244							
		Bend Test T285							
		Chemical M31M							
	Dowel Bars	Number M31M	DOT-166A	3 bars in basket assembly	QPL-43 w/Certified Mill Test Report			*N/A for Plain Dowel Bars	
		Weight M31M							
		Dimensions M31M							
		Deformation Spacing M31M*							
		Height & Gap M31M*							
		Tensile Strength T244							
		Yield Strength T244							
		Elongation T244							
		Bend Test T285							
		Chemical M31M							
		Coating 853.08							
	Silicone	Tensile Stress ASTM D412				Certification			QPL-66
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS	
	Sealant	Durometer ASTM D2240							
		Bond GDT-106							
		Tack Free Time GDT-106							
		Extrusion GDT-106							
		Non-Volatile GDT-106							
		Specific Gravity ASTM D792							
		Adhesion GDT-106							
		Resistance ASTM C793							
	Epoxy Adhesive	Pot Life GDT-58	Certification	1 kit	QPL-15 or one sample per batch, per Type		Stock		
		Bond Strength GDT-58							
		Shelf Life							