					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
500								
CONCRETE STRUCTURES	Portland Cement	Air Content T137						
STRUCTURES	Cement	Fineness M85						
		Autoclave M85	DOT-175	10 lbs.	QPL-3	One per Quarter, per	Ctook	
		Compressive Strength M85	001-175	TO IDS.	QPL-3	Source, per District	Stock	
		Vicat T131]					
		Chemical <i>M85</i>	1					
	Portland	Air Content T137						
	Pozzolan Cement	Fineness M240	1	10 lbs.				
		Autoclave M240	1			One per Quarter, per Source, per District		
		Compressive Strength M240	DOT-175		QPL-30		Stock	
		Vicat T131	1					
		Chemical <i>M240</i>	1					
	Portland Slag	Air Content				One per Quarter, per		
	Cement	Fineness M240	DOT-175	10 lbs.	QPL-30	Source, per District	Stock	
	Fly Ash	Physical & Chemical ASTM C311					ne per Quarter, per ource, per District Stock	
		Fineness M295	_		QPL-30	One per Quarter, per		
		Activity M295	DOT-175	10 lbs.				
		Soundness M295				Course, per Bistriot		
		Density M295						
		Chemical M295						
	Slag	Fineness M302						
		Activity M302						
		Soundness M302	DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District	Stock	
		Density M302						
		Chemical M302						
	Coarse Aggregate	Wash 200 T11	DOT-658	35 lbs.	One per month, per active plant. 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 727	T					
Fine Aggregate	Gradation 727			One per month per	QPL-2 Sources, 1 per		
	Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	active plant. One per 500 tons based upon QPL-1,	month, per active	Stock or Conveyor Belt	

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Wash 200 T11			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.		
	Water	Quality of Water to be Used in Concrete 726	DOT-088	1 qt.*	One per unpotable Source, per month		Enough in advance so that results are known before use	*non-metal container
	Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete M154	DOT-168	1 qt.	QPL-13	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Chemical Admixtures	Chemical Admixtures for Concrete M194	DOT-168	1 qt.	QPL-14	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Steel Bars for	Number <i>M31M</i>						
	Reinforcement	Weight M31M						
		Dimensions M31M						
		Deformation Spacing M31M	DOT-166	1 pc @ 24"	QPL-12 & QPL-61 w/Certified Mill Test	Random sampling at	Supplier,Fabricator or	
		Height & Gap <i>M31M</i>	DO1-100	per size	Reports.	Fabricator	Jobsite storage	
	L	Tensile Strength T244						
		Yield Strength T244						
		Elongation T244						

		Bend Test 7285]	
		Chemical <i>M31M</i>						
	Steel Wire for Reinforcement	Size M32M						
	Reiniorcement	Diameter M32M		1 pc @ 24" per size/dia				
		Area M32M	-					
		Tensile Strength T244	Certification		Certified Mill Test Report	I Random samblind	Jobsite storage and/or producer stock	
		Yield Strength T244			rtoport			
		Area Reduction T244	_					
		Bend Test M32M						
	Welded Steel	Size M55M						
	Wire Fabric for Reinforcement	Diameter <i>M55M</i>	-					
		Area M55M	- Certification	2' X 2'	QPL-55 w/Certified	Random sampling	Jobsite storage and/or	
		Tensile Strength T244	Cerunication	2 X 2	Mill Test Report	Random sampling	producer stock	
		Yield Strength T244						
		Area Reduction T244	[]	

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Bend Test M55M						
		Weld Shear Strength M55M						
		Width M55M						
		Length <i>M55M</i>						
		Spacing <i>M55M</i>						
	Permanent Steel Bridge Deck Forms	ASTM A446 & ASTM A525	Certification		Certified Mill Test Report			
	Prestress Stay- In-Place Panels (SIPS)		OMR-122		QPL-9, OMR-122 & Plant Stamp			
	Dowel Bars	Number <i>M31M</i>						
		Weight M31M						
		Dimensions <i>M31M</i>		3 bars in				
		Deformation Spacing M31M*	DOT-166A	basket	QPL-43 w/Certified Mill Test Report			*N/A for Plain Dowel Bars
		Height & Gap <i>M31M</i> *		assembly	Willi Test Report			
		Tensile Strength T244	-					
		Yield Strength 7244						

	Elongation T244	T]	
	Bend Test T285					
	Chemical M31M]				
	Coating 853.08]				
Damproofing or Waterproofing Membrane	Specification Requirements <i>M115, M118 or M121</i>	Certification	1 qt.	One per Type, per Source	Before application	
Curing Agent	Specification for Liquid Membrane Curing M148	DOT-168		QPL-16	 Stock	
Concrete	Compression Strength <i>GDT-35</i> & <i>T22</i>	DOT-319	2 cylinders	See NOTE 1	 	
	NOTE 1: One set per each 50 yd Concrete cylinders shall be fabrica structure to represent Concrete pl	ated for each cui	mulative 50 yd3 o			
	Air Content GDT-26 or GDT-32	DOT-319	See NOTE 2	When cylinders are made	Placement site	Additional Slump test will be required when Water is added on Project
	Slump GDT-27	_		made		

					GUIDE FRI	EQUENCY		
TYPE CONSTRUCTION			REPORT SM Report					
	MATERIAL	TEST PROCEDURES Name & Number		SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Mix Temperature <i>GDT-122</i>						
		NOTE 2: Air, Slump & Mix Temperature recommended at least every third load of			linders are made & as	judged necessary to	insure adequate contro	ols. Additional tests are
	Bridge Deck Thickness	Thickness Measurement GDT-131		One ¾ inch boring	One per 5 spans		After all phases of bridge deck slab construction are completed	
	Concrete for Pipe Head- Walls, Spillways, Slope Drains, Highway Signs Guardrails, Misc. Drainage Structures, Highway Light, Fence, see	Air Content GDT-26 & GDT-35 Slump GDT-27	DOT-319	See NOTE 3			During pouring operation	

	Note 4							
		NOTE: Acceptance of Concrete for the required. Air & Slump tests are performed as judge NOTE 4: For items listed and not listed.	ed necessary to ins	sure adequate	control.		erly documented DOT-	319. No cylinders are
	Concrete used in mow strips under cable barrier	Note: Acceptance of Concrete for required at a frequency of 1 set per	this item is based 350 cubic yards	l upon results or one set per	of Slump, Air, Mix To week per plant.	emp. & cylinders do	cumented on DOT-31	9. Cylinders are
	Silicone Sealant	Tensile Stress ASTM D412		ſ	J	1	·····]
	Silicono Godiani	Durometer ASTM D2240						
		Bond <i>GDT-106</i>						
		Tack Free Time GDT-106	— ,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
		Extrusion GDT-106	Misc. DOT- 168		QPL-66			
		Non-Volatile <i>GDT-106</i>	Certification					
		Specific Gravity ASTM D792						
		Adhesion GDT-106						
		Resistance ASTM C793						
	Epoxy Adhesive	Pot Life <i>GDT-58</i>						
	Adriesive	Bond Strength GDT-58						
		Shelf Life	Misc. DOT- 168	1 kit	QPL-15 <u>or</u> 1 sample, per batch,		Stock	
		Viscosity ASTM D1084	Certification	I KIL	per Type		Slock	
		Specific Gravity						
		Condition						
	Graffiti-Proof Coating		Certification		QPL-42			
501								
STEEL STRUCTURES	Structural Steel	Charpy ASTM E23	Certification	6" X 24" per heat number (4" length is in direction of roll; main	Certified Mill Test Report, preinspected by Office of Materials & GDT stamped		Fabrication shop	Sampling in Accordance with SOP-8 & Supplemental Specifications 501.01

		only)		
	Thickness			
	Yield Strength ASTM A370			
	Tensile Strength ASTM A370			
	Elongation ASTM A370			

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Reduction of Area ASTM A370						
		Hardness ASTM A370						
		Chemical ASTM A709						
	Cold Finished Carbon	Chemical <i>M169</i>						
	Shafting	Certification	Certification		Certified Mill Test Report			
	Steel Castings	Chemical <i>M103</i>						
		Tensile Strength T244			1			
		Yield Strength T244	•		Certified Mill Test Report			
		Elongation T244	Certification					
		Reduction of Area T244			Report			
		Dimensions			1			
		Certification			_			
	Paints	Pigment ASTM D2371						
		Non-Volatile Vehicle						
		Grind						
		Viscosity ASTM D562						
		Dry Time ASTM D711	Certification	1 qt.	Approved by Of	ffice of Materials		
		Percent Volatile	Corumounori	1 4	, approved by Cr	mos of Materials		
		Weight per Gallon ASTM D1475	D1475					
	Color	Color						
		Certification						
	Steel Bolts, Nuts &	ASTM A307	Certification	3 bolts	Certified Mill Test]	Stock	Independent Assurance:
	INULS &	Chemical ASTM F568	Cermicanon	ว มบเเธ	Report		Juok	sample occasionally

Washers	Yield Strength ASTM F606		[
	Tensile Strength ASTM F606					
	Elongation ASTM F606					
	Reduction of Area ASTM F606					
	Hardness ASTM F606					
	Length					
	Diameter					
	Thread Class					
	Galvanization ASTM A90 or ASTM E376					
High Tensile Strength Bolts,	ASTM A325 & ASTM A490	Certification	3 bolt assemblies	Certified Mill Test Report	Fabricator or Supplier	Sample for each Project

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Nuts & Washers	Chemical ASTM F568		(bolt,washers, nut), per				
		Yield Strength ASTM F606		Rotational				
		Tensile Strength ASTM F606		Capacity Lot Number (RCP)				
		Elongation ASTM F606		(1317)				
		Reduction of Area ASTM F606						
		Hardness ASTM F606						
		Rotation ASTM A325	-					
		Diameter						
		Thread Dimension						
		Galvanization ASTM A90 or ASTM E376						
	Anchor Bolts	Grade As Specified on Plans						
		Yield Strength T244	•	1 bolt per				
		Tensile Strength T244	Certification	diameter, per	Certified Mill Test		Fabricator or Supplier	
		Elongation T244		Heat Number, per Project	Report			
		Reduction of Area <i>T244</i>						
		Thread Dimensions						

	Size	T				
	Diameter]				
	Length	1				
	Chemical	1				
Shear	Charpy ASTM E23				 	
Connectors	Thickness	1				
	Yield Strength ASTM A370					
	Tensile Strength ASTM A370					
	Elongation ASTM A370	Certification		QPL-6 w/Certified Mill		
		_		Test Report		
	Reduction of Area ASTM A370					
	Hardness ASTM A370	+				
	Chemical ASTM A709	-				
	Length					
Elastomeric	Hardness ASTM D2240		1 ned ner let		 	
Bearing Pads	Tensile Strength ASTM D412	Certification	1 pad per Lot Number, per	Pre-inspected & GDT	Supplier	Independent Assurance:
		Certification	size, per	stamped	Cupplier	sample occasionally
	Elongation ASTM D412		Project			

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Heat Resistance ASTM D573						
		Compression Set ASTM D395						
		Brittleness ASTM D746						
		Dimensions						
		Laminate Thickness						
		Tensile Strength M183						
		Yield Strength M183						
		Elongation <i>M183</i>						
	Plain Cotton Duck	Certification	Certification		Certified Mill Test Report			

	Rubber Impregnated Cotton Duck	Certification	Certification	Certified Mill Test Report	
	Galvanizing	ASTM A90 or ASTM E376			
	SelfLubricating Bronze Bearing & Expansion Plates & Bushings	Certification	Certification	Certified Mill Test Report	
502					
TIMBER STRUCTURES	Treated Timber	Retention of Preservative AWPA C14	Certification	QPL-50, preinspected by Authorized Agency & AWW stamped	Independent Assurance: sample occasionally
	Untreated Timber	Certification	Certification	Certification of Inspection from Vendor & Visual Inspection; Grade Stamp required	
	Lumber & Timber	Certification	Certification	QPL-50, preinspected by Authorized Agency & AWW stamped	

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Preservative Treatment	Certification	Certification		QPL-50, preinspected by Authorized Agency & AWW stamped			
	Paints	Pigment ASTM D2371				J		
		Non-Volatile Vehicle	-					
		Grind	-					
		Viscosity ASTM D562	Certification	1 qt.	Approved by Of	fice of Materials		
		Dry Time ASTM D711	-					
		Percent Volatile						

	Weight per Gallon ASTM D1475	T	 		T
	Color				
	Certification				
Misc. Bridge	Chemical ASTM F568		 		
Hardware (Galvanized	Yield Strength ASTM F606	1			
İtems)	Tensile Strength ASTM F606				
	Elongation ASTM F606	-	_		
	Reduction of Area ASTM F606	Certification	Certified Mill Test	Stock	Independent Assurance:
	Hardness ASTM F606		- Report	Clook	sample occasionally
	Length		-		
	Diameter	1	_		
	Thread Class	1	_		
	Galvanization ASTM A90 or ASTM E376	-	-		
Structural Steel	Charpy ASTM E23		 -	 	
	Thickness	1	-		
	Yield Strength ASTM A370	-	-	-	
	Tensile Strength ASTM A370	Certification	Certified Mill Test Report, preinspected	Fabricator or Supplier	
	Elongation ASTM A370		by Office of Materials & GDT stamped	T abridator or cappilor	
	Reduction of Area ASTM A370	-		-	
	Hardness ASTM A370	-	_		
	Chemical ASTM A709		1		

					GUIDE FRI	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Plain Cotton Duck	Certification	Certification		Certified Mill Test Report			
	Misc. Steel	Grade As Specified Yield Strength 7244 Tensile Strength 7244	Certification		Certified Mill Test Report			

Size Elongation 7244 Reduction of Area 7244	1
Reduction of Area <i>T244</i>	
Thread Dimensions	
Diameter	
Length	
Chemical	
Rotation ASTM A325	
Galvanization ASTM A90 or ASTM E376	
13	
OUR HOUR Concrete Cylinders GDT-35 & T22	
OUR HOUR CCELERATED CCELERATED TRENGTH Strength Compressive Strength Com	
ONCRETE DOT 310	In accordance with Section 503 of the Specifications
required when cylinders are made & as	503 of the Specifications
Mix Temperature GDT-122 judged necessary to insure adequate controls	
Portland Air Content 1/37	
Portland Air Content 7737 Cement DOT-175	
Finericss MBS	
CHIDE ERECHENCY	
GUIDE FREQUENCY	
TYPE TEST PROCEDURES REPORT SM SIZE OF QUALITY LOCATION OR TIME	
	REMARKS
TYPE TEST PROCEDURES REPORT SM SIZE OF QUALITY LOCATION OR TIME	REMARKS
TYPE CONSTRUCTION MATERIAL TEST PROCEDURES Name & Number Report SM Report SAMPLE ACCEPTANCE QUALITY ASSURANCE OF SAMPLING Autoclave 1/185 Compressive Strength 1/185	REMARKS
TYPE TEST PROCEDURES REPORT SM SIZE OF QUALITY LOCATION OR TIME	REMARKS
TYPE CONSTRUCTION MATERIAL TEST PROCEDURES Name & Number Autoclave IM85 Compressive Strength IM85 Vical 7131 Chemical IM85	REMARKS
TYPE CONSTRUCTION MATERIAL TEST PROCEDURES Name & Number Autoclave M85 Compressive Strength M85 Vical T131 Chemical M85 Hine Aggregate Gradation 127	REMARKS
TYPE CONSTRUCTION MATERIAL TEST PROCEDURES Name & Number Report Auloclave M85 Compressive Strength M85 Vical 1181 Chemical M85 Fine Aggregate Gradulon 121 Wash 200.1111	REMARKS
TYPE CONSTRUCTION MATERIAL TEST PROCEDURES Name & Number Autoclave M85 Compressive Strength M85 Vical T131 Chemical M85 Hine Aggregate Gradation 127	REMARKS
TYPE CONSTRUCTION MATERIAL TEST PROCEDURES Name & Number Autocleve 1866 Compressive Strength M85 Vical 1131 Chemical M85 Time Aggregate Constation 1727 Wash 200 711 Sand Equivalent CD1-63	REMARKS
TYPE CONSTRUCTION MATERIAL TEST PROCEDURES Name & Number Report Auloclave M85 Compressive Strength M85 Vical 1181 Chemical M85 Fine Aggregate Gradulon 121 Wash 200.1111	REMARKS
TYPE CONSTRUCTION MATERIAL TEST PROCEDURES Name & Number Report Autoclave M86 Compressive Strength M65 Vical 7181 Chemical M86 Fine Aggregate Gladelion 127 Wash 200 711 Sand Equivalent GD7-69 DOT 656 Construction SIZE OF SAMPLE ACCEPTANCE ACC	REMARKS
TYPE CONSTRUCTION MATERIAL TEST PROCEDURES Name & Number Report Autoclave M86 Compressive Strength M65 Vical 7181 Chemical M86 Fine Aggregate Gladelion 127 Wash 200 711 Sand Equivalent GD7-69 DOT 656 Construction SIZE OF SAMPLE ACCEPTANCE ACC	REMARKS
TYPE CONSTRUCTION MATERIAL TEST PROCEDURES Name & Number Report Autoclave M86 Compressive Strength M65 Vical 7181 Chemical M86 Fine Aggregate Gladelion 127 Wash 200 711 Sand Equivalent GD7-69 DOT 656 Construction SIZE OF SAMPLE ACCEPTANCE ACC	REMARKS
TYPE CONSTRUCTION MATERIAL TEST PROCEDURES Name & Number Report Autoclave M86 Compressive Strength M65 Vical 7181 Chemical M86 Fine Aggregate Gladelion 127 Wash 200 711 Sand Equivalent GD7-69 DOT 656 Construction SIZE OF SAMPLE ACCEPTANCE ACC	REMARKS

	Calcium Chloride Water	Specification M144 Quality of Water to be Used in Concrete 726	DO1-319		ne per unpotable purce, per month		Enough in advance so that results are known before use	'non-metal container
STEEL GRID	Steel Grid	Grade As Specified			Certified Mill Test			
FLOORING		Galvanization ASTM A123	Certification		Report, preinspected & GDT stamped		Fabricator or Supplier	
	Paint	Specification Requirement Section 870.01						
			Certification		QPL-73 w/Certifications			Independent Assurance: sample occasionally
	Concrete	Cylinderss-GDT-35-&-T22	DOT-319	Concrete to fabricated for e	used in Bridge Curb or each cumulative 50 yd ucture. Cylinders shal	Wall Coping. Two Concr	concrete placed per week structure to represent	
504	1 O a married	Outlies down ODT OF 6 TOO						
TWENTY-FOUR HOUR ACCELERATED	Concrete Compressive	Cylinders GDT-35 & T22 Air Content GDT-26 & GDT-35	_					_
STRENGTH CONCRETE	Strength	All Content GD1-20 & GD1-35	DOT 646		(2 for 1 d	each placement date. ay, 2 for 3 day)		In accordance with
		Slump GDT-27	DOT-319		required when cylind	Temperature tests are ders are made & as judge	d	Section 504 of the Specifications
		Mix Temperature <i>GDT-122</i>			necessary to ins	sure adequate controls		
	Portland Cement	Air Content 7137						
		Fineness <i>M85</i>	DOT-175					
,					,			

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

		Autoclave <i>M85</i>						
		Compressive Strength M85						
		Vicat T131						
		Chemical <i>M85</i>						
	Fine Aggregate	Gradation 727						
		Wash 200 T11				QPL-1 Sources, 1		
		Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	One per month per active plant. One per 500 tons 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.	Stock or Conveyor Belt	
	Coarse	Wash 200 <i>T11</i>						
	Aggregate	Gradation 727	DOT-658	35 lbs.	One per month per active plant. One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be tested.	QPL-2 Sources, 1 per month, per active plant, except Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.	Stock or Conveyor Belt	
	Calcium Chloride	Specification <i>M144</i>	DOT-319					
	Water	Quality of Water to be Used in Concrete 726	DOT-088	1 qt.*	One per unpotable Source, per month		Enough in advance so that results are known before use	*non-metal container
505								
CORRUGATED STEEL BRIDGE	Corrugated Steel Plank for	ASTM A123 or ASTM A525						
	Bridges	Yield Strength <i>T244</i>			-			
		Tensile Strength <i>T244</i>			-			
		Width			-			
		Thickness	Certification		Certified Mill Test			Independent Assurance:
		Depth & Spacing of Corrugations			Report			sample occasionally
		Chemical ASTM A570			-			
		Galvanization ASTM A90 or ASTM E376						
	L	Ll		L	· L		J	L

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Certification						
	Paints	Pigment ASTM D2371				·		
		Non-Volatile Vehicle						
		Grind						
		Viscosity ASTM D562						
		Dry Time ASTM D711	Certification	1 qt.	Approved by Of	ffice of Materials		
		Percent Volatile		. 4	γ.μρ.στου 29 σ.			
		Weight per Gallon ASTM D1475						
		Color	-					
		Certification						
506				'				
EXPANDED MORTAR	Portland Cement		DOT-175	Sampled of construction of	& tested in conjunction w n Project. No additional normal circumstanc	sample required under		
	Coarse	Wash 200 711			[]		
	Aggregate	Gradation 727	DOT-658	35 lbs.	One per month per active plant. 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 from Section D-Sources.	Stock or Conveyor Belt	
	Fine Aggregate	Gradation 727 Sand Equivalent GDT-63 Wash 200 711	DOT-658	20 lbs.	One per month per active plant. 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.	Stock or Conveyor Belt	

Aluminum	Fineness ASTM D480	Certification	50 g	Acceptance based on	Stock	
Powder				label stating material		
				is Aluminum		
				Powder of		
				Unpolished Type or 1		
				sample per Project		

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					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Water	Quality of Water to be Used in Concrete 726	DOT-088	1 qt.*	One per unpotable Source, per month		Enough in advance so that results are known before use	*non-metal container
507								
PRESTRESSED CONCRETE BRIDGE MEMBERS	Cocrete Bridge Members		OMR-122 (Shipping Report)		QPL-9, OMR-122, GDOT stamp & Plant Stamp			
	Plain Steel	Chemical ASTM A370						
	Bars – Threaded Ends	Tensile Strength T244						
		Yield Strength <i>T244</i>						
		Elongation T244	DOT-166					
		Reduction of Area T244						
		Thread Dimensions						
		Hardness ASTM A370						
	Anchor Bolts	Grade As Specified on Plans		<u> </u>				
		Yield Strength <i>T244</i>					-	
		Tensile Strength T244					-	
		Elongation T244					-	
		Reduction of Area T244	Certification	1 each: Bolt,	Certified Mill Test		Stock	
		Thread Dimensions		Nut & Washer	Report			
		Size						
		Diameter						
		Length					-	
		Chemical					-	
	Bushings, Bearings & Expansion Plates	Certification	Certification		Certified Mill Test Report		Stock	

Structural Steel	Charpy ASTM E23 Thickness Yield strength ASTM A370 Tensile Strength ASTM A370 Elongation ASTM A370 Reduction of Area ASTM A370 Hardness ASTM A370 Chemical ASTM A709	- Certification		Certified Mill Test Report, pre-inspected by Office of Materials & GDT stamped	Fabricator or Supplier	
Elastomeric	Hardness ASTM D2240	Certification	1 pad per Lot	Pre-inspected & GDT	Supplier	

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Bearing Pads	Tensile Strength ASTM D412		Number, per size, per Project	stamped			
		Elongation ASTM D412		,				
		Heat Resistance ASTM D573						
		Compression Set ASTM D395						
		Brittleness ASTM D746						
		Dimensions						
		Laminate Thickness						
		Tensile Strength M183						
		Yield Strength M183						
		Elongation <i>M183</i>						
	Plain Cotton Duck	Weight	Certification	1 yd²	One per shipment		Stock	
	Rubber	Weight						
	Impregnated Cotton Duck	Compressive Strength						
	Paints	Pigment ASTM D2371				J		
		Non-Volatile Vehicle						
		Grind	Certification	1 qt.	Approved by Of	ffice of Materials		
		Viscosity ASTM D562						
		Dry Time ASTM D711	1					

508		Percent Volatile Weight per Gallon ASTM D1475 Color Certification						
ASPHALT PLANK	Premolded	Dimensions						
BRIDGE FLOOR A	Asphalt Plank	Weight of Surface Absorption		1 yd²	One per Lot		Stock	
		Brittleness		1 yu-	Offic per Lot		Stock	
		Hardness M46				Stock		
	Cutback Asphalt	Viscosity T201	DOT-325	1 qt.	QPL-7		Before application	
	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504	1 qt.	QPL-7		Before application	
509								
PRESTRESSING CONCRETE BY	Ducts	Dimensions		48" piece	One per size			60 calender days prior to installation

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
POST TENSIONING	Anchorage Assembly	Dimensions		Complete Assembly	One per size			60 calender days prior to installation
	Steel Bars for	Number <i>M31M</i>						
	Reinforcement	Weight M31M						
		Dimensions <i>M31M</i>						
		Deformation Spacing M31M						
		Height & Gap <i>M31M</i>		1 pc @ 24"	QPL-12 & QPL-61	Random sampling at	Supplier,Fabricator or	60 calender days prior to
		Tensile Strength T244	DOT-166 	per size	w/Certified Mill Test Reports.	Fabricator	Jobsite storage	installation
		Yield Strength T244						
		Elongation T244						
		Bend Test 7285						
		Chemical <i>M31M</i>						
	Post-tensioning Steel Wire Strand	ASTM A 416		3 - 53" long pieces	One set per Heat Number and Certified Mill Test Report			60 calender days prior to installation
	Post-tensioning Steel Wire	ASTM A 421		3 - 53" long pieces	One set per Heat Number and Certified Mill Test Report			60 calender days prior to installation

	Post-tensioning Steel Bars	ASTM A 722		3 - 53" long pieces	One set per Heat Number and Certified Mill Test Report			60 calender days prior to installation
	Pre-Package Grout				Certified Mill Test Report			Prior to use
	Portland	Air Content T137						
	Cement	Fineness M85						
		Autoclave <i>M85</i>		40.0				
		Compressive Strength M85	DOT-175	10 lbs.	QPL-3		Prior to use	
		Vicat 7131						
		Chemical M85						
	Water	Quality of Water to be Used in Concrete 726	DOT-088	1 qt.*	One per unpotable Source, per month		Enough in advance so that results are known before use	*non-metal container
511								
REINFORCEMENT	Steel Bars for	Number <i>M31M</i>						
STEEL	Reinforcement	Weight M31M						
		Dimensions M31M						
		Deformation Spacing <i>M31M</i>	DOT 400	1 pc @ 24"	QPL-12 & QPL-61	Random sampling at	Supplier,Fabricator or	
	H 7	Height & Gap <i>M31M</i>	DOT-166	per size	w/Certified Mill Test Reports.	Fabricator	Jobsite storage	
		Tensile Strength T244						
		Yield Strength T244						
		Elongation T244]]	

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Bend Test T285]					
		Chemical <i>M31M</i>]					
	Wire Bar Suppo	orts		·	'		·	<u> </u>
	Galvanized	Shape						
		Height	Certification					
		Wire Size						
		Galvanization ASTM A123	1					
	Stainless	Shape						
		Height	1					
		Wire Size	Certification					
		Chemical	1					
		Tensile Strength T244	-					
	Bright	Shape	Certification					L

]	Height				
		Wire Size]			
	Plastic	Shape				
	Covered	Height				
		Wire size	Certification			
		Tensile Strength T244				
		Hardness ASTM D2240	1			
	Epoxy Coated	Shape		 	 	
		Height]			
		Wire Size	Certification			
		Thickness]			
		Condition]			
	Plastic	Shape				
		Height	Certification			
		Wire Size				
		Compressive Strength T22				
		Water Absorption ASTM D570				
512				ı		
SHEAR CONNECTORS	Stud	Charpy ASTM E23				
		Thickness				
		Yield Strength ASTM A370	Certification	QPL-6 & Certified		
		Tensile Strength ASTM A370	-	Mill Test Report		
		Elongation ASTM A370	[-		

					GUIDE FRI	EQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS		
		Reduction of Area ASTM A370								
		Hardness ASTM A370			-					
		Chemical ASTM A709			-					
		Length			-					
	Channel	Certification			QPL-6 & Certified Mill Test Report					
513	513									

PRECAST REINFORCED CONCRETE BOX CULVERT BARREL SECTIONS & END SECTIONS	Complete Units	Certification	DOT-164A / DOT-619		QPL-4 with CPT stamp <u>or</u> preinspected by Office of Materials Personnel & GDT stamped		
	Portland	Air Content T137					
	Cement	Fineness <i>M85</i>	_				
		Autoclave M85					
		Compressive Strength M85	DOT-175		QPL-3		
		Vicat 7131			_		
		Chemical M85					
	Portland	Air Content T137			-		
	Pozzolan Cement	Fineness M240					
		Autoclave <i>M240</i>]				
		Compressive Strength M240	DOT-175	_	QPL-3		
		Vicat 7131		_			
		Chemical <i>M240</i>					
	Fine Aggregate	Gradation T27					
		Sand Equivalent <i>GDT-63</i> Washed No. 200 <i>T11</i>	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.	
	Coarse	Wash 200 <i>T11</i>	DOT-658	45 lbs.	One per 1,500 tons	QPL-2 Sources, 1	

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

Aggregate	Gradation 727			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.		
Steel Bars for Reinforcement	Number M31M Weight M31M Dimensions M31M						
	Deformation Spacing <i>M31M</i> Height & Gap <i>M31M</i>	DOT-166	1 pc @ 24"	QPL-12 & QPL-61 w/Certified Mill Test	Random sampling at	Supplier,Fabricator or	
	Tensile Strength T244	DO1-100	per size	Reports.	Fabricator	Jobsite storage	
	Yield Strength T244						
	Elongation <i>T244</i> Bend Test <i>T285</i>						
	Chemical M31M						
Steel Wire for	Size M32M						
Reinforcement	Diameter <i>M32M</i>						
	Area M32M						
	Tensile Strength T244	Certification	1 pc @ 24"	Certified Mill Test	Random sampling	Jobsite storage and/or	
	Yield Strength <i>T244</i>	Certification	per size/dia	Report	Kandom sampling	producer stock	
	Area Reduction T244						
	Bend Test M32M						
Welded Steel	Size M55M						
Wire Fabric for Reinforcement	Diameter <i>M55M</i>						
1 Cambrooment	Area M55M						
	Tensile Strength T244						
	Yield Strength T244						
	Area Reduction T244	Certification	2' X 2'	QPL-55 w/Certified	Random sampling	Jobsite storage and/or	
	Bend Test <i>M55M</i>			Mill Test Report		producer stock	
	Weld Shear Strength <i>M55M</i>						
	Width M55M						
	Length <i>M55M</i>						
	Spacing <i>M55M</i>	-					

	Cylinders	Compressive Strength 722	DOT-319	3 ea.			
;	Steel Bolts,	Chemical ASTM F568	Certification		Certified Mill Test	 	

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TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Nuts &	Yield Strength ASTM F606	1100011	97 22	Report	7,10001.0.1102	0. 0 2	r carrie in the
	Washers	Tensile Strength ASTM F606			_			
		Elongation ASTM F606			-			
		Reduction of Area ASTM F606						
		Hardness ASTM F606			-			
		Length						
		Diameter						
		Thread Class						
		Galvanization ASTM A90 or ASTM E376			_			
	Anchor Bolts	Grade As Specified						
		Yield Strength T244			1			
		Tensile Strength T244			-			
		Elongation <i>T244</i>			Certified Mill Test Report			
		Reduction of Area T244						
		Thread Dimensions	Certification -					
		Size	-					
		Diameter						
		Length						
		Chemical						
	Corrugated	Diameter						
	Steel Pipe	Depth & Spacing of Corrugations <i>M36</i>	Certification		Certified Mill Test Report			
		Thickness						
	Corrugated	Diameter						
	Plastic Pipe	Depth & Spacing of Corrugations <i>M252</i>			Contisted Mill Took			
		Thickness	Certification		Certified Mill Test Report			
		Stiffness ASTM D2412						
		Flattening M252						
	L		L L		⊥			

Elongation <i>M252</i>						
Brittleness M252						
Flexibility M252			_			
Couplings M252			-			
Strength M252						
				·		
Gradation GDT-4	DOT-408 /	30 lbs.		One per major soil		
Percent Clay GDT-4	DOT-97			Туре		
	Brittleness M252 Flexibility M252 Couplings M252 Strength M252 Gradation GDT-4	Brittleness M252 Flexibility M252 Couplings M252 Strength M252 Gradation GDT-4 DOT-408 /	Brittleness M252 Flexibility M252 Couplings M252 Strength M252 Gradation GDT-4 DOT-408 / 30 lbs.	Brittleness M252 Flexibility M252 Couplings M252 Strength M252 Gradation GDT-4 DOT-408 / 30 lbs.	Brittleness M252 Flexibility M252 Couplings M252 Strength M252 Gradation GDT-4 DOT-408 / 30 lbs.	Brittleness M252 Flexibility M252 Couplings M252 Strength M252 Gradation GDT-4 DOT-408 / DOT-408 / 30 lbs.

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Volume Change <i>GDT-6</i>						
		Density GDT-7 or GDT-67						
		Classification Section 810						
	Type II – Backfill Aggregate	Gradation <i>T27</i>	DOT-658	45 lbs.	One per 20, 000 tons. One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	As required by Project Engineer		
-	Type III –	Density GDT-7	l		 			
	Soil/Organic	Condition of Mixture	DOT-408 / DOT-97		Notify Central Lab			
514								
EPOXY COATED	Steel Bars for	Number <i>M31M</i>						
STEEL REINFORCEMENT	Reinforcement	Weight M31M						
		Dimensions <i>M31M</i>						
		Deformation Spacing M31M						
		Height & Gap <i>M31M</i>	DOT 4004	1 pc @ 24"	QPL-43 w/Certified	Random sampling at	Supplier,Fabricator or	
		Tensile Strength T244	DOT-166A	per size	Mill Test Reports.	Fabricator	Jobsite storage	
	-	Yield Strength <i>T244</i>						
		Elongation <i>T244</i>						
		Bend Test T285						
		Chemical M31M						
	Epoxy Coating	Thickness ASTM G12			QPL-38			

	[Adhesion <i>M284</i>	T	T					
515									
HANDRAIL - FERROUS METAL	Anchor Bolts	Specification Requirements	Certification	Accepted by Project Personnel based on Visual Inspection & Certified Mill Test Report					
M Ite	Handrail & Misc. Steel Items	Galvanization ASTM A123	Certification	 Finished Handrail inspected by Office of Materials Personnel					
	Structural Steel	Charpy ASTM E23]				
		Thickness	-	-					
		Yield Strength ASTM A370	Certification	Certified Mill Test Report					
		Tensile Strength ASTM A370	-						

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Elongation ASTM A370						
		Reduction of Area ASTM A370						
		Hardness ASTM A370	-		-			
		Chemical ASTM A709	-		-			
	Malleable Iron	Chemical ASTM A27						
	Castings	Tensile Strength T244	-		-			
		Yield Strength T244	Certification		Certified Mill Test Report			
		Elongation T244			Report			
		Reduction of Area T244			-			
	Steel Castings	Chemical M103						
		Tensile Strength T244			-			
		Yield Strength T244			-			
		Elongation 7244	Certification		Certified Mill Test Report			
		Reduction of Area T244			Teport			
		Dimensions			-			
	Steel Pipe	Certification			-			
		Chemical ASTM A53						
		Yield Strength T244	Certification		Certified Mill Test Report			
		Tensile Strength T244						

		Elongation <i>T244</i>	T		T		
			_		_		
		Bending ASTM A53					
		Flattening ASTM A53					
		Non-Destructive Electric Test ASTM A53					
		Weight	-				
		Diameter	-				
		Thickness					
		Finish					
		Appearance					
	Steel Bolts, Nuts &	Chemical ASTM F568					
	Washers	Yield Strength ASTM F606					
		Tensile Strength ASTM F606					
		Elongation ASTM F606	_				
			Certification		Certified Mill Test		
		Reduction of Area ASTM F606			Report		
		Hardness ASTM F606			-		
			_		_		
		Length	_				
		Diameter					
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TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Thread Class						
		Galvanization ASTM A90 or ASTM E376						
	Paints	Pigment ASTM D2371				J		
		Non-Volatile Vehicle	-					
		Grind	-					
		Viscosity ASTM D562	-					
		Dry Time ASTM D711	Certification	1 qt.	Approved by Of	ffice of Materials		
		Percent Volatile	Certification	1 qt.	Approved by Or	nice of Materials		
		Weight per Gallon ASTM D1475						
		Color						
		Certification						

	Plain Steel Bars	S Chemical ASTM A370 Tensile Strength T244					
		Tensile Strength T244			-		
		Yield Strength T244					
		Elongation <i>T244</i>	Certification		Certified Mill Test Report		
		Reduction of Area T244			TOPORT		
		Thread Dimensions					
		Hardness ASTM A370			-		
516							
ALUMINUM HANDRAIL	Aluminum Alloy Materials	Chemical					
HANDRAIL	iviateriais	Thickness					
		Dimensions			-		
		Tensile Strength T244	Certification		Certified Mill Test		
		Yield Strength T244					
		Elongation <i>T244</i>			Report		
		Bend Diameter Factor ASTM B209					
		Hardness ASTM B241					
		Shear Strength ASTM B565			-		
	Caulking Compound	Certification	Certification		Manufacturer's Certification	 	
	Plain Steel Bars	Chemical ASTM A370				 	
		Tensile Strength T244			-		
		Yield Strength T244			Certified Mill Test		
		Elongation T244	Certification		Report		
		Reduction of Area T244			1		
		Thread Dimensions	1		1		

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Hardness ASTM A370						
	Steel Nuts,	Chemical ASTM F568						
	Bolts & Washers	Yield Strength ASTM F606						
		Tensile Strength ASTM F606	Certification		Certified Mill Test Report			
		Elongation <i>ASTM F606</i>						

			_	-				
		Reduction of Area ASTM F606						
		Hardness ASTM F606			-			
	Elastomeric	Hardness ASTM D2240			-		 	
	Bearing Pads	Tensile Strength ASTM D412	1					
		Elongation ASTM D412			_			
		Heat Resistance ASTM D573			Certified Mill Test Report			
		Compression Set ASTM D395	Certification					
		Brittleness ASTM D746			Тероп			
		Dimensions						
		Laminate Thickness						
		Tensile Strength M183						
		Yield Strength M183						
		Elongation M183						
	Galvanizing	ASTM A90 or ASTM E376	Certification		Pre-inspected by Office of Materials Personnel			
519					1 Gradinia			
BRIDGE DECK OVERLAY	Concrete	Cylinders GDT-35 & T22	DOT-319	2 cylinders	See NOTE 1			Cylinders to be broken in Branch or Central Lab
		NOTE 1: One set per each 50 yearnother structure.	I ³ of Class of Cor	ıcrete placed dail	y for each structure. Cyl	inders shall not be fabrica	ated at one structure to rep	resent Concrete placed in
		Air Content GDT-26 or GDT-32						
		Slump <i>GDT-27</i>		See NOTE 2	When cylinders are made		Placement site	Additional Slump test will be required when Water is added on Project
		Mix Temperature <i>GDT-122</i>		-				
		NOTE 2: Air, Slump & Mix Temp at least every third load on Bridge	erature tests is a Deck placemen	Il required when t	cylinders are made & as	iudged necessary to insu	re adequate controls. Add	itional tests are recommended
	Portland	Air Content T137	DOT-175	10 lbs.	QPL-3	One per Quarter, per	J	[
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					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Cement	Fineness M85				Source, per District		
		Autoclave M85	1					

	Compressive Strength M85						
	Vicat T131	-					
	Chemical <i>M85</i>	-					
Fine Aggregate	Gradation <i>T2</i> 7						
	Sand Equivalent <i>GDT-63</i> Minus No. 200 <i>T11</i>	DOT-658	20 lbs.	One per month per active plant. 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	Wash 200 T11						
Aggregate	Gradation 727	DOT-658	40 lbs.	One per month per active plant. 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 menth, 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						
	Activity M295	-					
	Soundness M295	DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District		
	Density M295	-			Source, per District		
	Chemical M295	-					
Slag Cement	Fineness M302						
	Activity M302	-					
	Air Content M302	DOT-175	10 lbs.	QPL-30	One per 2,000 tons, per Source	Jobsite storage	
	Density M302	-			per Source		
	Chemical M302	-					
Air Entrainment Admixtures	Air-Entraining Admixture for Concrete M154	DOT-168 Certification	1 qt.	QPL-13	One per 6 months, per Source, per District		
				GUIDE FR	EQUENCY		

		GUIDE PREQUENCY	
TYPE	REPORT SM		
CONSTRUCTION	Report		

	MATERIAL	TEST PROCEDURES Name & Number		SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Chemical Admixtures	Chemical Admixtures for Concrete <i>M194</i>	DOT-168 Certification	1 qt.	QPL-14	One per 6 months, per Source, per District		
	Curing Agent	Specification for Liquid Membrane Curing <i>M148</i>	DOT-168 Certification	1 qt.	QPL-16			
	Water	Quality of Water for Concrete 726	DOT-168 Ga168 GACERT	1 qt.*		One per unpotable Source, per month		*non-metal container
520								
PILING	Prestressed Concrete		OMR-122 (Shipping Reprot)		QPL-9, OMR-122 & Plant Stamp			
	Treated Timber Piles	Retention of Preservative AWPA C14	Certification		QPL-50, preinspected by Authorized Agency &			
					AWW Stamp			
	Preservative Treatment	Certification	Certification		QPL-50 & Preinspected by Authorized Agency			
	Aluminum Powder	Fineness ASTM D480	Certification					
	SelfLubricating Bronze Bearing & Expansion Plates & Bushings	Certification	Certification		Certified Mill Test Report			
	Paint	Pigment ASTM D2371						
	Non-Volatile Vehicle							
		Grind	Certification	1 qt.	Approved by Of	fice of Materials		
		Viscosity ASTM D562		1	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			
		Dry Time ASTM D711						
		Percent Volatile			l			

Weight per Gallon ASTM D1475	 	[
Color			

		GUIDE FREQUENCY						
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Certification						
	Welded &	Thickness						
	Seamless Steel Pile	Chemical ASTM A252	1		-			
		Tensile Strength T244]		-			
		Yield Strength 7244	- Certification		QPL-44 w/Certified			
		Elongation <i>T244</i>	Certification	Mill Test Report				
		Diameter]		-			
		Weight	1		_			
		Certification			-			
	Fluted Steel	Thickness						
	Shell Pile	Diameter] [QPL-44 & Certified Mill Test Report			
		Yield Strength 7244	Certification	n				
	Steel H-Pile	Certification] [
		Charpy ASTM E23						
		Thickness						
		Yield Strength ASTM A370						
		Tensile Strength ASTM A370	-					
		Elongation ASTM A370	Certification		QPL-44 & Certified Mill Test Report			
		Reduction of Area ASTM A370						
		Hardness ASTM A370			-			
		Chemical ASTM A709			-			
	Steel Bolts, Nuts & — Washers	Certification			-			
		Chemical ASTM F568						
		Yield Strength ASTM F606						
		Tensile Strength ASTM F606	Certification		Certified Mill Test Report			
		Elongation ASTM F606	1					

	Reduction of Area ASTM F606				
		_			
	Hardness <i>ASTM F606</i>				
	Length				
	Diameter				
	Thread Class				
	Galvanization ASTM A90 or ASTM E376				
Aluminum Alloy Sheet & Plate	Chemical	O-w4:6:4:	 Certified Mill Test	<u></u>	
Sileet & Plate	Thickness	- Certification -	- Report		

Dimensions Tensile Strength 7244 Yield Strength 7244 Elongation 7244 Bend Diameter Factor ASTM B209 Hardness ASTM B241 Shear Strength ASTM B565 S29 NAVIGATION LIGHTING Electrical Materials As Specified Anchor Bolts Grade As Specified Yield Strength 7244 Elongation 7244 Contified Mill Test	 			 			
CONSTRUCTION MATERIAL Name & Number Report SAMPLE ACCEPTANCE ASSURANCE OF SAMPLING REMARK Dimensions Tensile Strength 7244 Yield Strength 7244 Elongation 7244 Bend Diameter Factor ASTM B209 Hardness ASTM B241 Shear Strength ASTM B565 S29 NAVIGATION LIGHTING Electrical Materials As Specified Anchor Bolts Grade As Specified Yield Strength 7244 Elongation 7244				GUIDE FR	EQUENCY		
Tensile Strength 7244 Yield Strength 7244 Elongation 7244 Bend Diameter Factor ASTM B209 Hardness ASTM B241 Shear Strength ASTM B565 NAVIGATION LIGHTING As Specified Anchor Bolts Grade As Specified Anchor Bolts Grade As Specified Yield Strength 7244 Tensile Strength 7244 Elongation 7244 Elongation 7244 Elongation 7244 Elongation 7244 Felongation 7244	MATERIAL			ACCEPTANCE			REMARKS
Yield Strength 7244 Elongation 7244 Bend Diameter Factor ASTM B209 Hardness ASTM B241 Shear Strength ASTM B565 NAVIGATION LIGHTING Electrical Materials As Specified Certification Certification Approved by the Underwriter's Laboratory or Certified Mill Report & approved Catalog Cuts Anchor Bolts Anchor Bolts Grade As Specified Yield Strength 7244 Tensile Strength 7244 Elongation 7244 Elongation 7244 Contified Mill Test		Dimensions					
Elongation 7244 Bend Diameter Factor ASTM B209 Hardness ASTM B241 Shear Strength ASTM B565 S29 NAVIGATION LIGHTING Electrical Materials As Specified Certification Certification Approved by the Underwriter's Laboratory or Certified Mill Report & approved Catalog Cuts Anchor Bolts Grade As Specified Yield Strength 7244 Tensile Strength 7244 Elongation 7244 Elongation 7244 Elongation 7244		Tensile Strength T244					
Bend Diameter Factor ASTM B209 Hardness ASTM B241 Shear Strength ASTM B565 Shear Strength ASTM B565 Approved by the Underwriter's Laboratory or Certification Certification Certification Approved by the Underwriter's Laboratory or Certification & approved Catalog Cuts Anchor Bolts Grade As Specified Yield Strength T244 Tensile Strength T244 Elongation T244 Elongation T244		Yield Strength T244					
B209 Hardness ASTM B241 Shear Strength ASTM B565 S29 NAVIGATION LIGHTING Belectrical Materials As Specified Certification Certification Approved by the Underwriter's Laboratory or Certified Mill Report & approved Catalog Cuts Anchor Bolts Grade As Specified Yield Strength 7244 Tensile Strength 7244 Elongation 7244 Elongation 7244 Certified Mill Test		Elongation T244					
Shear Strength ASTM B565 Shear Strength ASTM B565 Stock							
NAVIGATION LIGHTING Electrical Materials		Hardness ASTM B241					
NAVIGATION LIGHTING Electrical Materials As Specified Certification Certification Approved by the Underwriter's Laboratory or Certified Mill Report & approved Catalog Cuts Anchor Bolts Grade As Specified Yield Strength T244 Tensile Strength T244 Elongation T244		Shear Strength ASTM B565					
NAVIGATION LIGHTING Electrical Materials As Specified Certification Certification Approved by the Underwriter's Laboratory or Certified Mill Report & approved Catalog Cuts Anchor Bolts Grade As Specified Yield Strength T244 Tensile Strength T244 Elongation T244							
LIGHTING Materials Certification Certification Certification Certification Underwriter's Laboratory or Certified Mill Report & approved Catalog Cuts Anchor Bolts Grade As Specified Yield Strength T244 Tensile Strength T244 Elongation T244 Certified Mill Test							
Yield Strength 7244 Tensile Strength 7244 Elongation 7244 Contified Mill Test		As Specified	Certification	Underwriter's Laboratory <u>or</u> Certified Mill Report & approved Catalog		Stock	
Tensile Strength T244 Elongation T244 Contified Mill Test	Anchor Bolts	Grade As Specified		 			
Elongation 7244		Yield Strength T244					
		Tensile Strength T244					
Octuniou Will 165t		Elongation T244	- Certification	Certified Mill Test			
Reduction of Area 7244 Certification Report		Reduction of Area T244	Certification	Report			
Thread Dimensions							
Size							
Diameter		Diameter]			

	Length					
	Chemical					
Paint	Pigment ASTM D2371				·	
	Non-Volatile Vehicle					
	Grind					
	Viscosity ASTM D562					
	Dry Time ASTM D711	O = 1416 = -41 = 1-	4	Ammana d hu Oi	Gian of Makawiala	
	Percent Volatile	Certification	1 qt.	Approved by Oi	ffice of Materials	
	Weight per Gallon ASTM D1475					
	Color					
	Certification					
Lighting Standards	Certification	Certification		QPL-52, pre-inspected Personnel &	d by Office of Materials GDT stamped	
Luminaries & Ballasts	Certification	Certification		Approved Catalog Cuts		

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Circuit Breakers	Certification	Certification		Approved Catalog Cuts			
	Cable	Certification	Certification		Approved Catalog Cuts			
530								
WATERPROOFING	Waterproofing	Thickness						
FABRICS	Membrane Material for Retaining	Tensile Strength ASTM D412			-			
	Walls	Elongation ASTM D412			1			
		Permeance ASTM E96			1			
		Puncture Resistance ASTM E154	Certification		QPL-22			
		Pliability ASTM D146			-			
		Cycling Over Crack Section 888.03						
		Certification			1			
531						,		

DAMPPROOFING	Bituminous Material for Waterproofing or Dampproofing	Specification Requirements M115, M118 or M121	Certification	1 qt.	One per Type, per Source		Before application	
533								
BRIDGE DECK WATERPROOFING MEMBRANE	Hot Mix Asphalt Asphalt Cement	<u>c Concrete</u> Dynamic Shear <i>TP</i> - <u>315</u> 5	DOT-504	Two 1 qt. cans	QPL-7	As per GSP-21	Storage Tank	
	Coarse	Wash 200 T11						
	Aggregate for Asphaltic Concrete	Gradation 727	DOT-658	45 lbs.	QPL-2	As necessary	Stockpile	
	Fine Aggregate	Gradation <i>T11 & T2</i> 7						
	for Asphaltic Concrete	Clay Lumps T1121					<u> </u>	
		Sand Equivalent GDT-63	DOT-658	20 lbs.	QPL-1	As necessary	Stockpile	
		Mica Content ASTM C 295						
	Mineral Filler	Gradation <i>T11 & T27</i>	DOT-168 Certification	10 lbs.	QPL-81	One per 500 tons, per Type, per Source	Stockpile	
	In-Place Material	Thickness Measurement <i>GDT42</i>	DOT-176		One per 1,000 ft, per 2 lanes		Completed Course	
	Hydrated Lime	Physical & Chemical Analysis <i>M216-84</i>	Certification	1 qt.*	QPL-41	One per Quarter	Silo or Tanker	*air-tight container

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Gradation <i>T219</i>						As required by SOP-17
		Chemical 7219						
	Complete Mixture	Asphalt Binder Content:Extractions GDT-125, GDT-83, or T-308 Gradation: T-27 or GDT-38T11, GDT-38, GDT73, GDT-83 or GDT-125	DOT- <u>159</u> 387	Varies per Mix Type	Minimum Asphalt Producer will test 1 per 500 tons	GDOT will test 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 <i>GDT-56</i>	<u>DOT-159</u>	300 g	One per Extraction (Open-Graded Mixes only)		Same as Extraction	For OGFC and PEM mixes only. 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, or GDT-59 or GDT-73	DOT- <u>150</u> 386	Core	Five per Lot*		After Compaction	Quantities less than 500 tons will be tested at 1 per 100 tons. Small quantities may be accepted with less Compaction tests *Each test consists of 3 readings when Nuclear Gauge is used to determine Density
Bituminous Tacl Asphalt Cement	<u>k Coat</u> Dynamic Shear 7 <u>-315</u> ₽-5	DOT-504M	Two 1 quart cans	Once per week per distributor QPL-7	J	<u>Distributor</u>	Delisity
Emulsified Asphalt	Viscosity 759	T59	Two 1 gal containers1 qt.	QPL-7Once per week per distributor		<u>Distributor</u> Before application	Non metal container
Sand For Blast	Gradation <i>GDT-3</i>				J		
Cleaning	TCLP EPA SWD 846-1311	Certification		Visual Ir	nspection	Stock	Independent Assurance: sample occasionally
	Certification						Sample occasionally
Waterproofing	Bond <i>GDT-69</i>]		
Membrane Material for	Permeability GDT-69						
Bridge Decks	Heat Resistance GDT-69						
	Penetration GDT-69						
	Freeze-Thaw GDT-69	Certification		QPL-22			
	Chemical Resistance <i>GDT-69</i>	Certification		WL-77			
	Shear Resistance GDT-69						
	Effectiveness GDT-69						
	Certification	-					

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION 535	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
PAINTING STRUCTURES	Paint	Specification Requirements Section 870.01	Certification		QPL-73 w/Certifications			Independent Assurance: sample occasionally

	Paint – Completed Coat	Anchor Pattern Steel Temperature Ambient Temperature Humidity Dew Point Adhesion MEK Rub GDT-110 Final Paint Thickness	DOT-168A Certification		QPL-73 w/Certifications		Independent Assurance
	Lead Paint Residue	TCLP EPA SWD 846-1311	TCLP Report			 	
		Disposal Manifest					
543							
CÓNSTRUCTION OF BRIDGE COMPLETE	Earthwork Embankments (to within 1 ft of top)	Theoretical Density GDT-7 or GDT-67 Gradation GDT-4 Volume Change GDT-6 Classification Section 810 In-Place Density GDT-20, GDT21, GDT-55 & GDT-59	DOT-408 / DOT-97 DOT-553	30 lbs.	One per major soil Type One per 5,000 yd³	Roadway (before Compacting) Completed Lift	Volume Change tests may be omitted on accepted samples, except the first sample & each fifth sample thereafter, which shall be submitted to the Branch or Central Lab for testing, unless provisions are made for testing on the Project.
	Rock	Gradation <i>Visual</i> Abrasion <i>T96</i> Soundness <i>T104</i> Petrographic Analysis <i>ASTM</i>	DOT-658		QPL-2	 	Percent Moisture is part of Density test procedure. Requires approval by Pit & Quarry if not from QPL-2 Source
		Petrographic Analysis ASTM C295					Source

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Pond Sand	Gradation <i>Visual</i>						
		Volume Change <i>GDT-6</i>	DOT-408 /					Requires approval by Pit &
		Density GDT-7 or GDT-67	DOT-97					Quarry

Treated Timber Piles	ing Retention of Preservative AWPA cated Timber es			QPL-50, preinspected by Authorized Agency & AWW stamp					
		Certification			,	r	- ,		
Fluted Steel Shell Pile	Thickness								
, ,	Diameter	Certification		QPL-44 & Certified					
,	Yield Strength T244	Certinication		Mill Test Report					
'	Certification			7					
Steel H-Pile	Charpy ASTM E23								
'	Thickness	Certification		QPL-44 & Certified Mill Test Report					
'	Yield Strength			Willi restriction.					
Lumber & Timber	Certification	Certifcation		QPL-50, preinspected by Authorized Agency & AWW stamp					
Expanded Mort	ar]]]		
Expanded Mort Portland Cement Coarse		nction with other Con	crete constructi	ion on Project. No additiona	al sample required under	normal circumstances.	1		
Portland Cement	Sampled & tested in conjur	nction with other Con	crete construct		· · · · · · · · · · · · · · · · · · ·	normal circumstances.]		
Portland Cement Coarse	Sampled & tested in conjur Wash 200 <i>T11</i>	DOT-658	35 lbs.		al sample required under QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources. The Department will perform acceptance tests on materials delivered from Section D Sources.	normal circumstances. Stock or Conveyor Belt			
Portland Cement Coarse	Sampled & tested in conjur Wash 200 <i>T11</i>			One per month per active plant. One per 500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources. The Department will perform acceptance tests on materials delivered from				

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

	Wash 200 T11			except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D-Sources.		
Aluminum Powder	Fineness ASTM D480	Certification	50 g	Acceptance based on label stating material is Aluminum Powder of Unpolished Type or 1 sample per Project		Stock	
Water	Quality of Water to be Used in Concrete 726	DOT-088	1 qt.*	One per unpotable Source, per month		Enough in advance so that results are known before use	*non-metal container
Steel Bars for	Number <i>M31M</i>						
Reinforcement	Weight M31M						
	Dimensions <i>M31M</i>	-					
	Deformation Spacing M31M						
	Height & Gap <i>M31M</i>		1 pc @ 24"	QPL-12 & QPL-61	Random sampling at	Supplier,Fabricator or	One sample per size, per
	Tensile Strength T244	DOT-166	per size	w/Certified Mill Test Reports.	Fabricator	Jobsite storage	Project by Independent Assurance Personnel
	Yield Strength T244			Тюропо.			7.00drande i eroonner
	Elongation T244						
	Bend Test 7285						
	Chemical M31M						
Misc. Bridge Hardware		Certification	One of ea. item	Certified Mill Test Report		Stock	
Joint Material		L	_		J	1	L
Silicone	Tensile Stress ASTM D412						
Sealant	Durometer ASTM D2240	Certification		QPL-66		Stock	
	Bond <i>GDT-106</i>						
	Tack Free Time GDT-106						
	Extrusion GDT-106						
	Non-Volatile GDT-106					1	
	Specific Gravity ASTM D792						
	Adhesion <i>GDT-106</i>						
	Resistance ASTM C793	1		7		1	

					GUIDE FRI	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Ероху	Pot Life GDT-58						
	Adhesive	Bond Strength GDT-58	1				_	
		Shelf Life	-					
		Elongation GDT-58	Certification		QPL-15 <u>or</u> 1 sample		Stock	
		Hardness ASTM D2240	-		per batch, per Type			
		Sag 7237	-		-		_	
		Wet Bond <i>T137</i>	-		-		_	
	Bond Breakers	Density ASTM D1622						-
	– Rods	Tensile Strength ASTM D1623	Certification	5 ft	One per Project & Certified Mill Test		Stock	
		Water Absorption ASTM C1016	- Corumoutori		Report			
	Bond Breakers - Tape	Thickness	Certification	5 ft	One per Project & Certified Mill Test Report		Stock	
	Creosote &		ļ		Accepted by Project			-
	Pitch				Personnel based on Visual Inspection			
	Roofing Felt				Accepted by Project Personnel based on Visual Inspection		Stock	Independent Assurance: sample occasionally
	Sheet Packing				Accepted by Project Personnel based on Visual Inspection			
	Tie Bolt Assembly		Certification		Certified Mill Test Report & Visual Inspection			
	Paint	Specification Requirements Section 870.01	Certification		QPL-73 w/Certifications			Independent Assurance: sample occasionally
	Completed Units				QPL-9		 	

544								
DECK DRAIN SYSTEMS	Clips, Brackets, Bars, etc.	Certification	Certification	1 ea.	Certified Mill Test Report		Stock	Independent Assurance: sample occasionally
					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Galvanized Repair Compound	Certification	Certification	1 qt.	Approved by Office of Materials			
	Hardware	Certification	Certification		Certified Mill	I Test Report		
550						_		
STORM DRAIN	Reinforced Con	crete Pipe						
PIPE, PIPE-ARCH CULVERTS & SIDE	Physical	Diameter M170			→ QPL-4 with CPT			
RAIN PIPE Properties	Properties of Pipe	Thickness M170]		Stamp or preinspected			
	·	Reinforcement Design <i>M170</i>	DOT-164		by Office of Materials with GDT Stamp			
		External Load Strength 7280	OMR-INSP86					
	Portland	Air Content T137			-			
	Cement	Fineness <i>M85</i>	-					
		Autoclave M85	1		_			
		Compressive Strength M85	- DOT-175		QPL-3			
		Vicat 7131	-					
		Chemical M85	-					
	Fly Ash	Fineness <i>M295</i>						
		Activity M295	-					
		Soundness M295	DOT-175		QPL-30			
		Density M295	1					
		Chemical M295						
	Fine Aggregate	Gradation 727	DOT CEO	20.15-	One per 500 tons	QPL-1 Sources, 1		
		Wash 200 <i>T11</i>	- DOT-658	20 lbs.	based upon QPL-1, except for Section D,	per month, per active plant, except for		

	Sand Equivalent <i>GDT-63</i>			Stockpile Basis Sources; material from Section D must be sampled.	Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.	
Coarse	Wash 200 711	DOT-658	45 lbs.	One per 1,500 tons	QPL-2 Sources, 1	

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Aggregate	Gradation 727			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.		
	Steel Wire for Reinforcement	Size M32M						
	Reinforcement	Diameter M32M	-					
	Tens	Area M32M	Cerification				e e	
		Tensile Strength T244		1 pc @ 24" per size/dia	Certified Mill Test Report	Random sampling		
		Yield Strength T244			'		'	
		Area Reduction T244						
		Bend Test M32M	-					
	Welded Steel Wire Fabric for	Size M55M						
	Reinforcement	Diameter <i>M55M</i>	-					
		Area M55M	-					
		Tensile Strength T244						
		Yield Strength T244		01.74.01	QPL-55 w/Certified	Daniel and a second trans	Jobsite storage and/or	
		Area Reduction 7244 Bend Test M55M Certificatio	Certification	2' X 2'	Mill Test Report	Random sampling		
			-					
	Weld Shear Strength M55M Width M55M							
		Length M55M]					

	Spacing <i>M55M</i>						
Cylinders	Compressive Strength 722	Certification DOT -T152	3 ea.		 		
Non-Reinforced	I Concrete Pipe			.'	 	'	
Physical	Diameter <i>M86</i>						
Properties of Pipe	Thickness M86			QPL-4 with CPT Stamp or preinspected			
	Absorption M86			by Office			
	Permeablity M86	DOT-164		of Materials with GDT Stamp			
	External Load Strength 7280	OMR-INSP- 86					
Portland	Air Content 7137	-			 		
Cement	Fineness M85]					
	Autoclave M85	DOT-175		- QPL-3			
	Compressive Strength M85	1					

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Vicat T131	1					
		Chemical <i>M85</i>	1		1			
	Fly Ash	Fineness M295	1					
		Activity M295	1		-			
		Soundness M295	DOT-175		QPL-30			
		Density M295	1		1			
		Chemical M295	1		-			
	Fine Aggregate	Gradation 727	1					
		Wash –200 T11]			QPL-1 Sources, 1		
		Sand Equivalent <i>GDT-63</i>	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.	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	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform		

		Gradation 727		be sampled.	acceptance tests on materials delivered from Section D Sources.	
ļ	Corrugated	Diameter M36M		 	/	
	Steel Plain Zinc Coated Pipe	Depth & Spacing of Corrugations <i>M36M</i>	DOT-291	QPL-56 & pre-inspecte	d by CMPT or GDT	
		Thickness M36M		tags		
		Galvanization <i>M218M</i>]			
	Corrugated Steel AluminizedCoated Type 2 Pipe	M274 & M36	DOT-291	QPL-56 & pre-inspecte tags	d by CMPT or GDT	
	Corrugated	Diameter M196M	DOT-291	 QPL-56 & pre-inspecte	d by CMPT or GDT	

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Aluminum Alloy Pipe	Depth & Spacing of Corrugations <i>M196M</i>			tags			
		Thickness <i>M196M</i>						
		Arch Dimensions M196M						
		Chemical M197M						
		Tensile Strength T244						
		Yield Strength T244						
		Elongation T244						

Smooth Lined Corrugated Polyethylene (HDPE) Culvert Pipe	M294M	OMR-INSP- 89		QPL-51 & pre-inspecte sticker.	ed by PPT stamp or		
Polyvinyl Chloride (PVC) Profile Wall Drain Pipe	M304	OMR-INSP- 89		QPL-51 & pre-inspecte sticker.	ed by PPT stamp or		
PVC Corrugated Smooth Interior Pipe	ASTM F949	OMR-INSP89		QPL-51 & pre-inspecte sticker.	ed by PPT stamp or		
Ductile Iron Pipe	Certification	Certification		Certified Mill Test Repo	ort		
Mortar Cement	Specification Requirements <i>M150</i>	DOT-175	1 gal.	Enough to insure consistency & quality	}	Stock	
Mortar Sand	Gradation T27	DOT-658	20 lbs.	QPL-1, Sections A, B & C			
Backfill Type I – Soil,	Gradation <i>GDT-4</i>		·		J	1	
Class I & II	Percent Clay GDT-4	DOT-408	30 lbs.		One per major soil	Before Compacting	
	Volume Change <i>GDT-6</i>				Type		
	Density GDT-7 or GDT-67						
	Classification Section 810						

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	ON MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Type II – Backfill Aggregate	Gradation 727	DOT-658	45 lbs.	One per 500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D Sources must be sampled One per 20, 000 tons.	As required by Project Engineer		

	Type III – Soil/Organic	Density <i>GDT-7</i> Condition of Mixture	DOT-408		Notify Central Lab		
	Bituminous Plastic Cement	Specification Requirements		1 qt.	QPL-21 <u>or</u> sample representing each Lot of shipment	Stock	
	Pre-Coated	Diameter M245M					
	Galvanized Steel Culverts	Depth & Spacing of Corrugations <i>M245M</i>	-				
		Thickness M245M	- Certification		Certified Mill Test		
		Galvanize <i>M218M</i>	_		Report		
		Coating Thickness M245M	-				
		Arch Dimensions M245M	-				
	Galvanized Repair Compound	Certification	Certification	1 qt.	Approved by Office of Materials		
	Gaskets	Certification	Certification		QPL-21 & Certified Mill Test Report		
	Post Installation	l Inspection					
	All Pipe	GDT 136	Certified Test Report		Certified Test Report meeting requirements Section 550 and GDT 136	of	
555							
TUNNEL LINER	Liner Plates	Size As Specified					
		Thickness As Specified					
		Sectional Modulus As Specified					
		Tensile Strength T244	- Certification		Certified Mill Test Report		
		Yield Strength T244	-		i i		
		Elongation T244	1		1		
		Bend Test ASTM A569	-		1		
		Galvanization <i>M167M</i>	-		1		

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Grout Ingredients	As Specified			Enough to insure co	onsistency & quality		
	Bricks	Size	Certification	10 Bricks	One set per 50,000) bricks, per Source		

	T	Absorption 732	T		[
		Compressive Strength 732					
560							
STRUCTURAL	Backfill						
PLATE PIPE,	Type I – Class	Gradation <i>GDT-4</i>					
PIPEARCH & ARCH CULVERTS	I & II Soils	Percent Clay GDT-4]				
		Volume Change <i>GDT-6</i>					
		Density GDT-7 or GDT-67					
		Classification Section 810	DOT-408			One per major soil Type	
	Type II –	Gradation 727	DOT-658		One per 20, 000	000 As required by Project	
	Backfill Aggregate				tons.One per 500 tons based upon	Engineer	
	7.199.094.0				QPL-2, except for		
					Section D, Stockpile Basis Sources;		
					material from Section		
					D must be sampled.		
	Type III –	Density GDT-7					
	Soil/Organic	Condition of Mixture	DOT-408		Notify Central Lab		
	Steel Structural	Diameter M167M	5			J	
	Plate for Pipe, Pipe-Arches, &	Depth & Spacing of Corrugations					
	Arches	M167M					
		Thickness M167M					
		Chemical M167M	Certification		QPL-56 & pre-inspected with CMPT or GDT		
		Yield strength T244			Tag	ay	
		Tensile Strength T244					
		Elongation T244					
		Galvanization <i>M167M</i>					
	Galvanized	Certifiation					
	Repair Compound		Certification	1 qt.	Approved by Office of I	Materials	
	Corrugated						
	Aluminum Alloy	Depth & Spacing of Corrugations					
	Structural Plate	M219M					
	PipeArches &	Thickness M219M	Certification			ted with CMPT or GDT ag	
	Arches	Arch Dimensions M219M			-	5	
		Chemical ASTM B209			-		
I					<u> </u>		I
			REPORT SM		GUIDE FR	EQUENCY	

Report

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>		SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Tensile Strength T244						
		Yield Strength T244						
		Elongation T244						
561					_			
RENOVATING PIPE (Helically	Corrugated Steel Pipe	Diameter M36M						
Corrugated)	Oteer i pe	Depth & Spacing of Corrugations <i>M36M</i>	DOT-291		QPL-56 & pre-inspecte tag	ed with CMPT or GDT		
		Thickness M36M			- tag			
		Galvanization <i>M218M</i>						
	Portland	Air Content T137]		
	Cement	Fineness <i>M85</i>						
		Autoclave M85						
		Compressive Strength M85	DOT-175					
		Vicat 7131						
		Chemical <i>M85</i>						
	Mineral Filler		Certification		QP	L-81		
	Fine Aggregate	Gradation 727	-]		
		Sand Equivalent <i>GDT-63</i>	DOT-658		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.		
	Fly Ash	Fineness M295						
		Activity M295			1			
		Soundness M295	DOT-175		QPL-30	One per Quarter, per		
		Density M295				Source, per District		
		Chemical M295						
	Water	Quality of Water to be Used in Concrete 726	DOT-088	1 qt.	One per unpotable Source, per month		Enough in advance so that results are known before use	
	Grout Mixture	Slump GDT-84			One per day <u>or</u> enough to control work			

Smooth Lined Corrugated	Diameter M294M	OMR-INSP-	QPL-51 & pre-inspected by PPT stamp or	
Polyethylene	Depth & Spacing of Perforations M294M	89	QPL-51 & pre-inspected by PPT stamp or sticker.	

						GUIDE FR	EQUENCY		
Stiffness M294M Flattening M294M Cracking M294M Brittleness M294M Fittings M294M Depth & Spacing of Corrugations M36M Depth & Spacing of Corrugations M36M Galvanization M318M Type II — Backfill Aggregated Type II — Backfill Aggregated Fradation T27 DOT-658 DOT-		MATERIAL				ACCEPTANCE			REMARKS
Flattening M294M Cracking M294M Brittleness M294M Fittings M294M Diameter M36M Depth & Spacing of Corrugations M36M Galvanization M318M Galvanization M318M Gradation T27 DOT-658 DOT-65		Culvert Pipe	Thickness M294M						
Cracking M294M Brittleness M294M Fittings M294M Diameter M36M Depth & Spacing of Corrugations M36M Thickness M36M Galvanization M318M Type II – Backfill Aggregated Gradation T27 DOT-658 DOT-658 45 ibs. Deept 20,000 tone, besed upon QPL-2, except for Section D, Stockpile Basic Sources; materials from Section D, Stockpile Basic Sources; materials from Section D, Dust-be sampled. Type II – Backfill Aggregate for Underdrain DOT-658 DOT-658 DOT-658 DOT-658 45 ibs. Dot-658		Stiffness M294M							
Brittleness M294M Fittings M294M Metal Pipe Diameter M36M Depth & Spacing of Corrugations M36M Depth & Spacing of Corrugations M36M Thickness M36M Galvanization M318M Type II - Backfill Aggregated Gradation T27 DOT-658 DOT-658 As required by Project Engineer DOT-658 As required by Project Engineer Engineer At least 1 in each 3 sampled: One per 20, 000 tons based upon Section D. Stockpile Basis-Sources; materials from Section D. must be sampled: ST3 UNDERDRAINS Aggregate for Underdrain Gradation T27 DOT-658 DOT-658 At least 1 in each 3 samples shall be tak			Flattening M294M						
Fittings M294M Fittings M294M Fittings M294M Fittings M294M			Cracking M294M						
MINOR DRAINAGE STRUCTURES FOR DETOURS Diameter M36M			Brittleness M294M						
MINOR DRAINAGE STRUCTURES FOR DETOURS Corrugated Metal Pipe Diameter M36M Depth & Spacing of Corrugations M36M Thickness M36M Galvanization M318M Type II - Backfill Aggregated Gradation T27 DOT-658 DOT-658 Aggregate for Underdrain UNDERDRAINS Aggregate for Underdrain Diameter M36M Depth & Spacing of Corrugations M36M DOT-291 DOT-291 QPL-56 & pre-inspected with CMPT or GDT tag As required by Project Engineer At least 1 in each 3 samples shall be tak			Fittings M294M						
STRUCTURES FOR DETOURS Metal Pipe Depth & Spacing of Corrugations M36M Thickness M36M Galvanization M318M Type II - Backfill Aggregated Gradation 727 DOT-658 DOT-658 DOT-658 DOT-658 DOT-658 DOT-658 QPL-56 & pre-inspected with CMPT or GDT tag As required by Project Engineer Engineer As required by Project Engineer As required by Project Engineer Dot-658 570									
FOR DETOURS Depth & Spacing of Corrugations M36M		Corrugated							
Thickness M36M Galvanization M318M Type II - Backfill Aggregated Gradation 727 DOT-658 45 lbs. One per 20, 000 tons, One per 500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; materials from Section D must be sampled. Type II - Backfill Aggregated As required by Project Engineer As required by Project Engineer As required by Project Engineer Find the project Engineer Sources; materials from Section D must be sampled. Thickness M36M One per 20,000 tons, One per 20,000 tons, One per 20,000 tons, One per 1,500 tons, One per 1,500 tons, One per 1,500 tons, One per 20,000 tons, On		ivietai Fipe		DOT-291					
Type II – Backfill Aggregated Gradation 727 DOT-658 45 lbs. One per 20, 000 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; materials from Section D must be sampled. 573 UNDERDRAINS Aggregate for Underdrain Gradation 727 DOT-658 As required by Project Engineer			Thickness <i>M36M</i>			- -	ay		
Backfill Aggregated Dote			Galvanization <i>M318M</i>			_			
UNDERDRAINS Aggregate for Underdrain Gradation 727 DOT-658 45 lbs. One per 20,000 tons, One per 1,500 Per 20,000 tons, One per 1,500 Spreader Belt or Trench Samples shall be taken a samples shall be taken a sample shall be		Backfill	Gradation 727	DOT-658	45 lbs.	tons. One per 500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; materials from Section D must be	As required by Project Engineer		
Underdrain tons. One per 1,500 per 20,000 tons, samples shall be tak									
QPL-2, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials Conveyor & Belt. If the samples are taken from the sam	UNDERDRAINS		Gradation 727	DOT-658	45 lbs.	tons. One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section	per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from	Spreader Belt or Trench	samples shall be taken from the Spreader, Conveyor & Belt. If the samples are taken from Trench, it shall be a combination of material taken from 3 locations at
Reinforced Concrete Pipe				L			J		L
Physical Diameter M170		1							
Properties of Pipe Dot 1170 DOT-164 QPL-4 with CPT Stamp or pre-inspected by Office of Materials with GDT Stamp			Thickness M170	DOT-164		QPL-4 with CPT Stamp	o or pre-inspected by		
Reinforcement Design M170		i ihe	Reinforcement Design M170			Office of Materials With			

	External Load Strength <i>T280</i>	OMR-INSP86				
Portland	Air Content T137				 	
Cement	Fineness M85		_			
	Autoclave <i>M85</i>	DOT-175	_	QPL-3		
	Compressive Strength M85		_			
	Vicat 7131	_		, 		

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Chemical <i>M85</i>						
	Fly Ash	Fineness M295						
		Activity M295						
		Soundness M295	DOT-175		QPL-30			
		Density M295						
		Chemical M295	-					
	Fine Aggregate	Gradation 727						
		Wash 200 <i>T11</i>	-			QPL-1 Sources, 1		
		Sand Equivalent <i>GDT-63</i>	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.	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	Wash 200 T11						
Agi	Aggregate	Gradation 727	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.		
	Steel Wire for Reinforcement	Size M32M	- Certification	1 pc @ 24"	Certified Mill Test	Random sampling	Jobsite storage and/or	
	Reiniorcement	Diameter M32M	Cerunication	per size/dia	Report	Kandom sampling	producer stock	

	Area M32M Tensile Strength T244 Yield Strength T244 Area Reduction T244 Bend Test M32M						
Welded Steel Wire Fabric for Reinforcement	Size M55M Diameter M55M Area M55M Tensile Strength T244 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 M55M						

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Weld Shear Strength <i>M55M</i>						
		Width <i>M55M</i>	-					
		Length <i>M55M</i>	1					
		Spacing <i>M55M</i>	-					
	Cylinders	Compressive Strength 722	Certification	3 ea.				
	Non-Reinforced	 Concrete Pipe	L			J	l	
	Physical	Diameter <i>M86</i>						
	Properties of Pipe	Thickness M86]]			
	-	Absorption <i>M86</i>	1					
		Permeablity <i>M86</i>	DOT-164 OMR-INSP86					
		External Load Strength T280			QPL-4 with CPT Stamp Office of Materials with	o or pre-inspected by GDT Stamp		
	Portland	Air Content T137						
	Cement	Fineness M85	-		_			
		Autoclave M85	-					
		Compressive Strength M85	DOT-175		QPL-3			
		Vicat T131	-					
		Chemical <i>M85</i>	-		-			
	Fly Ash	Fineness M295						
		Activity M295	DOT-175		QPL-30			

	Soundness M295 Density M295 Chemical M295					
Fine Ag	gregate Gradation <i>T27</i> Wash –200 <i>T11</i> Sand Equivalent <i>GDT-63</i>	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.	
Coarse	Wash 200 T11	DOT-658	45 lbs.	One per 1,500 tons	QPL-2 Sources, 1	

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Aggregate	Gradation <i>T27</i>			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.		
	Aluminum Alloy Underdrain Pipe	Diameter <i>M196M</i>	3			J		
		Depth & Spacing of Corrugations M196M						
		Thickness <i>M197M</i>						
		Arch Dimensions M196M	DOT-291			ted with CMPT or GDT		
		Chemical <i>M197M</i>			· ·	ag		
		Tensile Strength T244						
		Yield Strength <i>T244</i>						
		Elongation T244						
		Diameter M36M			ODI 50 8 mm in an an	ted with CMDT as CDT		
	Underdrain Pipe	Depth & Spacing of Corrugations M36M	DOT-291			ted with CMPT or GDT ag		

		Thickness M36M					
		Galvanization <i>M218M</i>					
Ţ	Corrugated	Diameter M252M					
	Polyethylene Underdrain Pipe	Depth & Spacing of Corrugations <i>M252M</i>					
		Thickness M252M					
		Stiffness ASTM D2412					
		Flattening M252M	OMR-INSP-		 QPL-51		
		Elongation <i>M252M</i>	89 				
		Brittleness M252M					
		Flexibility M252M					
		Couplings M252M					
		Strength M252M					
	Smooth Lined	Diameter M294M					
	Corrugated Polyethylene Culvert Pipe	Depth & Spacing of Perforations <i>M294M</i>			QPL-51 & pre-inspected by PPT stamp or		
		Thickness M294M	OMR-INSP89		sticker		
		Stiffness M294M					
		Flattening M294M	_				
L						L	

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Cracking M294M						
		Brittleness M294M						
		Fittings M294M						
574							<u>'</u>	
EDGE DRAINS	Corrugated	Diameter M196M						
	Aluminum Alloy Slope Drain Pipe	Depth & Spacing of Corrugations M196M	8					
		Thickness <i>M197M</i>						
		Arch Dimensions M196M	DOT-291			ed with CMPT or GDT		
		Chemical <i>M197M</i>			. ta	ag		
		Tensile Strength T244						
		Yield Strength T244	-					
	Elongation 7244							

Physical	Diameter <i>M170</i>						
Properties of	Thickness M170	DOT-164		QPL-4 with CPT Stamp	p or pre-inspected by		
Pipe	Reinforcement Design M170			Office of Materials with	GD1 Stamp		
	External Load Strength 7280	OMR-INSP86					
Portland	Air Content T137			 			-
Cement	Fineness M85			-			
	Autoclave M85			-			
	Compressive Strength M85	DOT-175		- QPL-3			
	Vicat T131			-			
	Chemical <i>M85</i>			-			
Fly Ash	Fineness M295						
A	Activity M295			-			
	Soundness M295	DOT-175		QPL-30			
	Density M295						
	Chemical M295			-			
Fine Aggregate	Gradation <i>T2</i> 7						
	Wash 200 T11				QPL-1 Sources, 1		
	Sand Equivalent <i>GDT-63</i>	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.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Coarse Aggregate	Wash 200 T11	DOT-658 Ga658	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 727		T			1	I
	Gradation 121						
Steel Wire for	Size M32M	-	-				
Reinforcement	Diameter M32M	-					
	Area M32M	_					
			1 pc @ 24" per	Certified Mill Test		Jobsite storage and/or	
	Tensile Strength T244	Certification	size/dia	Report	Random sampling	producer stock	
	Yield Strength T244						
	Area Reduction T244						
	Bend Test <i>M32M</i>						
Welded Steel	Size M55M						
Wire Fabric for Reinforcement	Diameter <i>M55M</i>						
Remorement	Area M55M	-					
	Tensile Strength T244	-					
	Yield Strength T244	-					
	Area Reduction T244	Certification	2' X 2'	QPL-55 w/Certified	Random sampling	Jobsite storage and/or	
	Bend Test <i>M55M</i>			Mill Test Report	Transcom Sampung	producer stock	
	Weld Shear Strength <i>M55M</i>						
	Width <i>M55M</i>						
	Length <i>M55M</i>						
	Spacing <i>M55M</i>						
Cylinders	Compressive Strength T22	Certification	3 ea.				
Non-Reinforced	Concrete Pipe	_L	J		J		L
Physical	Diameter M86						
Properties of Pipe							
	Thickness <i>M86</i>	DOT-164		-			
				-			
	Absorption M96		1	I			
	Absorption M86			_			
	Absorption <i>M86</i> Permeablity <i>M86</i> External Load Strength <i>T280</i>	OMR-INSP86					

					GUIDE FR	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Portland	Air Content T137						
	Cement	Fineness M85			-			
		Autoclave M85	DOT 475					
		Compressive Strength M85	DOT-175		- QPL-3			
		Vicat 7131			-			
		Chemical M85			-			
	Fly Ash	Fineness M295						
		Activity M295			-			
		Soundness M295	DOT-175		QPL-30			
		Density M295						
		Chemical M295			-			
	Fine Aggregate	Gradation 727						
		Wash –200 <i>T11</i>				QPL-1 Sources, 1		
		Sand Equivalent <i>GDT-63</i>	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.	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	Wash 200 <i>T11</i>						
	Aggregate	Gradation <i>T27</i>	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.		
	Fine Aggregate	Gradation <i>T2</i> 7	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	QPL-1 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance		

Sand Equivalent <i>GDT-63</i> Minus No. 200 <i>T11</i>		be sampled.	tests on materials delivered from Section D Sources.		
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					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Coarse	Wash 200 T11						
	Aggregate	Gradation 727	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.		
	Fly Ash	Fineness M295						
		Activity M295			-			
		Soundness M295	DOT-175		QPL-30			
		Density M295			-			
		Chemical M295			-			
	Portland	Air Content T137						
	Cement	Fineness M85						
		Autoclave M85	DOT 475					
		Compressive Strength M85	DOT-175		- QPL-3			
		Vicat T131			-			
		Chemical M85						
	Corrugated	Diameter M252M						
	Polyethylene Underdrain Pipe	Depth & Spacing of Corrugations <i>M252M</i>						
		Thickness M252M	OMR-INSP-		QPL-51			
		Stiffness ASTM D2412	89		1			
		Flattening M252M			1			
		Elongation <i>M252M</i>			1			

	Brittleness M252M						
	Flexibility M252M						
	Couplings M252M						
	Strength M252M						
Drainage Aggregate	Gradation 727	DOT-658		QPL-2, Sections A, B & C; QPL-2, Section D, 1 per 1,500 tons1 per 20, 000 tons	QPL-2, Sections A, B & C, 1 per 20,000 tons		
	Target Density <i>GDT-59</i>	DOT-553	Average of 5 tests from 100 ft control strip	One per Source		Completed Course	
	Compaction GDT-59			One per mile			

					GUIDE FF	REQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Hot Mix Asphalt	ic Concrete Target Density <i>GDT-</i> 59	DOT-159-5 DOT-387	Average of 5 tests from 100 ft control strip	One per Source			
		Compaction <i>GDT-59</i>	DOT-553		One per mile		Completed Course	
	Asphalt Cement	Dynamic Shear <i>TP</i> - <u>315</u> 5	DOT-504	Two 1 quart cans1 qt.	QPL-7	As per GSP-21	Storage Tank	
	Coarse	Wash 200 T11	-					<u> </u>
	Aggregate for Asphaltic Concrete	Gradation 727	DOT-658	45 lbs.	QPL-2	As necessary	Stockpile	
	Fine Aggregate	Gradation <i>T11 & T2</i> 7	-					
	for Asphaltic Concrete	Clay Lumps <i>T112</i>	_					
		Sand Equivalent <i>GDT-63</i>	DOT-658	20 lbs.	QPL-1	As necessary	Stockpile	
		Mica Content ASTM C 295						
	Mineral Filler	Gradation <i>T11 & T27</i>	DOT-168	10 lbs.	QPL-81	One per 500 tons, per Type, per Source	Silo	
	Hydrated Lime	Physical & Chemical Analysis <i>M</i> 216-84	Certification	1 gallon qt .*	QPL-41	One per Quarter	Silo or Tanker	*air-tight container
		Gradation T219	1					As required by SOP-17

		Chemical 7219			[[
	Complete Mixture	Asphalt Binder Content: GDT- 125, GDT-38, or T-308	DOT 159	Varies Per Mix Type	Asphalt Producer will test 1 per 500 tons	GDOT will test two QA samples per 5 days production or 5 lots. 1 comparison sample per 10 days production.	Truck or Roadway	
		Stripping Test: GDT-56	DOT 159	300g	One per extraction		Same as extraction	For OGFC and PEM mixes only.
		Compaction: GDT-39, or GDT-56	DOT 150	Core	Five per lot*		In-place after compaction	Quantities less than 500 tons will be tested at 1 per 100 tons. *Each test consist of 3 readings when Nuclear
								Gauge is used to determine density.
	Bituminous Tack Coat Asphalt Cement	Dynamic Shear: T-315		Two 1 quart cans	Once per week per distributor		<u>Distributor</u>	
	Plastic Filter Fabric - Non-Woven	Puncture Resistance ASTM D4833						
	Non-woven	Grab Tensile Strength ASTM D4632	Certification		QPL-28			
		Grab Elongation ASTM D4632						
		Flow Rate <i>GDT-87</i>						
576								
SLOPE DRAIN	Corrugated	Diameter M196M						
	Aluminum Alloy Slope Drain Pipe	Depth & Spacing of Corrugations <i>M</i> 196 <i>M</i>			QPL-56 & pre-inspected with CMPT or GDT tag			
		Thickness M197M	DOT-291					
		Arch Dimensions M196M						
		Chemical <i>M197M</i>						
		Tensile Strength T244			1			

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Yield Strength T244						
		Elongation <i>T244</i>						
	Corrugated	Diameter M36M						
	Steel Culvert Pipe	Depth & Spacing of Corrugations <i>M36M</i>	DOT-291		QPL-56 & pre-inspected	d with CMPT or GDT tag		

Converted Polymyland Polymyla		T	Thickness M36M	T		T			
Corrugated Polyethylene Culvert Pipe Report Spacing of Perforations M294M Siffness M294M Fintening M294M Fintening M294M Brittleness M294M Filtings M394 Siffness M304 Filtings M304 Surgings M304 Surgins M304 Surgings M304 Surgings M304 Surgings M304 Surgings M3			Galvanization <i>M218M</i>	-		=			
Polyethylene Culvert Pipe Culvert Pipe Culvert Pipe Thickness M394M Thickness M394M Sittleness M394M Flattening M294M Caraking M294M Flattening M294M Flattening M294M Chloride (PVC) Profile Wall Drain Pipe Dameler M304 Flattening M394 Chloride (PVC) Profile Wall Drain Pipe Thickness M304 Flattening M394 Elongation M304 Elongation M304 Elothoride M304 Couplings M304 Elothoride M304 Couplings M304 Elothoride M304			Diameter M294M						
Stiffness M294M		Polyethylene	Depth & Spacing of Perforations M294M			-			
Flattening M294M Cracking M294M Bittleness M294M Flittings M294M Flittings M294M Flittings M294M Bittleness M294M Flittings M294M Bittleness M394 Depth & Spacing of Corrugation M304 Bittleness M304 Flietneing M304 Bittleness M304 Bittleness M304 Bittleness M304 Flietneing M304 Bittleness M304 Bittle			Thickness M294M	_		-			
Flattening M294M Cracking M294M Britteness M294M Fittings M304 Fitting			Stiffness M294M				ed by PPT stamp or		
Brittleness M294M Filtings M294M Polyvinyi Chioride (PVC) Profile Wall Drain Pipe Brittleness M304 Filtering M			Flattening M294M	- 89		- sticker			
Fittings M294M			Cracking M294M	-		-			
Polyvinyl Chloride (PVC) Profile Wall Drain Pipe Diameter M304 Depth & Spacing of Corrugation M304 Thickness M304 Stiffness M304 Flattening M304 Brittleness M304 Flexibility M304 Couplings M304 Strength M304 Strength M304 Thickness M			Brittleness M294M	-		-			
Chloride (PVC) Profile Wall Drain Pipe Begin Wall Drain Pipe Stiffness M304 Flattening M304 Flattening M304 Flexibility M304 Couplings M304 Strength M304 Strength M304 Thickness M304 Flexibility M304 Strength M304 Thickness M304 Flexibility M304 Thickness M30			Fittings M294M	-		-			
Profile Wall Drain Pipe Profile Wall Drain Pipe		Polyvinyl	Diameter M304						
Thickness M304 Stiffness M304 Flattening M304 Elongation M304 Brittleness M304 Flexibility M304 Couplings M304 Strength M304 Strength M304 Strength M304 Text DRAIN IN_ETS METAL DRAIN Coarse Asphaltic Concrete Asphaltic Concrete Fine Aggregate for Asphaltic Co		Profile Wall				-			
Flattening M304 Elongation M304 Brittleness M304 Flexibility M304 Couplings M304 Strength M304 METAL DRAIN INLETS Asphaltic Concrete Coarse Aggregate for Asphaltic Concrete Fine Aggregate for Asphaltic Concrete Concrete Fine Aggregate for Asphaltic Concrete Concrete Fine Aggregate for Asphaltic Concrete Stockpile Fine Aggregate for Asphaltic Concrete Fine Aggregat			Thickness M304	-					
Elongation M304 Britteness M304 Flexibility M304 Couplings M304 Strength M304 Strength M304 Strength M304 DOT-504 Asphaltic Concrete Asphaltic Concrete Coarse Aggregate for Asphaltic Concrete Fine Aggregate for Asphaltic Concrete Fine Aggregate for Asphaltic Concrete Fine Aggregate for Asphaltic Concrete Concrete Fine Aggregate for Asphaltic Concrete Fine			Stiffness M304	-					
Elongation M304 Britteness M304 Flexibility M304 Couplings M304 Strength M304 Strength M304 METAL DRAIN IN ETS Asphaltic Concrete Asphalt Cement Coarse Aggregate for Asphaltic Concrete Fine Aggregate for Asphaltic Concrete Fine Aggregate for Asphaltic Concrete Fine Aggregate for Asphaltic Concrete Fine Aggregate for Asphaltic Concrete Fine Aggregate for Asphaltic Concrete Fine Aggregate for Asphaltic Concrete Gradation T11 & T27 Clay Lumps T1121 Sand Equivalent GDT-63 DOT-658 As necessary Stockpile			Flattening M304						
Flexibility M304 Couplings M304 Strength M304 Strength M304 METAL DRAIN INLETS Asphaltic Concrete Asphalt Cement Dynamic Shear T-315TP-5 DOT-504 Aggregate for Asphaltic Concrete Fine Aggregate for Aggregate for Asphaltic Concrete Fine Aggregate for Aggrega			Elongation M304						
Couplings M304 Strength M304 Storage Tank Storage Tank OPL-7 As per GSP-21 Storage Tank OPL-2 As necessary Stockpile Fine Aggregate for Asphaltic Concrete Fine Aggregate for Asphaltic Concrete Stockpile ODT-658 ODT-658 ODT-658 ODT-658 ODT-658 ODT-658 OPL-1 As necessary Stockpile			Brittleness M304	-		-			
Strength M304 Strength M304 Strength M304			Flexibility M304						
METAL DRAIN INLETS Asphaltic Concrete Asphalt Cement Dynamic Shear T-315TP-5 DOT-504 1-qt-two 1 quart cans QPL-7 As per GSP-21 Storage Tank			Couplings M304						
Asphaltic Concrete Asphaltic Cement Dynamic Shear 7-3157P-5 DOT-504 1-qt.two 1 quart cans QPL-7 As per GSP-21 Storage Tank			Strength M304			-			
Asphalt Cement Dynamic Shear T-315TP-5 DOT-504 1qt-two 1 quart cans QPL-7 As per GSP-21 Storage Tank									
Cement Coarse Aggregate for Asphaltic Concrete Fine Aggregate for Asphaltic Concrete Concrete Clay Lumps 71121 Sand Equivalent GD7-63 Coarse Aggregate for Asphaltic Concrete Concrete Coarse Aggregate for Asphaltic Concrete Clay Lumps 71121 Sand Equivalent GD7-63 Coarse As per Cor 21 As necessary As necessary Stockpile Clay Lumps 71121 Sand Equivalent GD7-63 Coarse As necessary Stockpile Clay Lumps 71121 Sand Equivalent GD7-63	METAL DRAIN				1 at two 1				
Aggregate for Asphaltic Concrete Fine Aggregate for Asphaltic Concrete Gradation T27 DOT-658 45 lbs. QPL-2 As necessary Stockpile Gradation T11 & T27 Clay Lumps T1121 Sand Equivalent GDT-63 DOT-658 20 lbs. QPL-1 As necessary Stockpile	INFETS	Asphalt Cement		DOT-504		QPL-7	As per GSP-21	Storage Tank	
Asphaltic Concrete Fine Aggregate for Asphaltic Concrete Gradation 727 Clay Lumps 71121 Sand Equivalent GD7-63 DOT-658 45 lbs. QPL-2 As necessary Stockpile As necessary Stockpile DOT-658 20 lbs. QPL-1 As necessary Stockpile									
for Asphaltic Concrete Clay Lumps 71121 Sand Equivalent GD7-63 DOT-658 20 lbs. QPL-1 As necessary Stockpile		Asphaltic	Gradation 727	DOT-658	45 lbs.	QPL-2	As necessary	Stockpile	
for Asphaltic Concrete Clay Lumps 71121 Sand Equivalent GD7-63 DOT-658 20 lbs. QPL-1 As necessary Stockpile		Fine Aggregate	Gradation <i>T11 & T2</i> 7			-			
Sand Equivalent GDT-63 DOT-658 20 lbs. QPL-1 As necessary Stockpile		for Asphaltic		_					
		Concrete	'	DOT-658	20 lbs.	QPL-1	As necessary	Stockpile	
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					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS

	Mineral Filler	Gradation T11 & T27	DOT-168 Certification	10 lbs.	QPL-81	One per 500 tons, per Type, per Source	Silo	
	In-Place Material	Thickness Measurement <i>GDT42</i>	DOT-176		One per 1,000 ft, per 2 lanes	Observe 1 per 3 miles, per 2 lanes	Completed Course	
1	Hydrated Lime	Physical & Chemical Analysis <i>M216-84</i>						*air tight container
		Gradation T219	Certification	1 gallonqt.*	QPL-41	One per Quarter	Silo or Tanker	A
		Chemical T219						As required by SOP-17
	Complete Mixture	Asphalt Binder Content: GDT- 125, GDT-38, or T- 308Extractions T11, GDT-38, GDT73, GDT-83 or GDT-125	DOT-387 DOT-159-5	Varies per Mix Type	Asphalt producer will testMinimum 1 per 500 tons	GDOT will test two QA samples per 5 days production or 5 lots. 1 comparison sample per 10 days production.Two QA samples per 5 days production or lots; 1 comparison sample per 10 days	Truck or Roadway	*For all Asphaltic Concrete "OGFC" & other Mixes where the additive is incorporated at the plant, test at frequency of 1 per extraction
		Stripping Test <i>GDT-56</i>		300 g	One per Extraction (Open-Graded Mixes only)		Same as Extraction	For OGFC and PEM mixes only.
		Compaction GDT-39, or GDT-59 or GDT-73	DOT- <u>150</u> 386	Core	Five per Lot*		After Compaction	Quantities less than 500 tons will be tested at 1 per 100 tons. Small quantities may be accepted with less Compaction tests. *Each test consists of 3 readings when Nuclear Gauge is used to determine Density.
	Concrete		·	·	'		·	-'
	Fly Ash	Fineness M295	1		1		T	
		Activity M295						
		Soundness M295						
		Density M295						
		Chemical M295	DOT-175		QPL-30			
	Portland Cement	Air Content T137						
		Fineness M85	DOT 475		ODL 2			
		Autoclave <i>M85</i>	DOT-175		QPL-3			
		Compressive Strength M85						

	Vicat 7131					
	Chemical <i>M85</i>					
Portland Pozzolan	Air Content T137	DOT 475	1	QPL-3	 	
	Fineness M240	DOT-175				

			GUIDE FREQUENCY					
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Cement	Autoclave M240						
		Compressive Strength M240			-			
		Vicat 7131	-		-			
		Chemical M240			-			
	Sand-Cement	Compressive Strength 722						
	Bag Rip Rap	Moisture Content T134	Certification	45 lbs.	Laboratory Mix Design			
		Bag Material & Size						
	Slope Drain Pipe		<u> </u>	-'	•	·		
	Corrugated	Diameter <i>M196M</i>	1		7 			
	Aluminum Alloy Pipe	Depth & Spacing of Corrugations <i>M196M</i>	5 DOT-291			ed with CMPT or GDT ag		
		Thickness M197M						
		Arch Dimensions M196M						
		Chemical M197M						
		Tensile Strength T244						
		Yield Strength T244						
		Elongation T244			-			
	Corrugated Steel Pipe	Diameter M26M	DOT-291					
	Steel Fipe	Depth & Spacing of Corrugations <i>M36M</i>			QPL-56 & pre-inspect			
		Thickness <i>M36M</i>			tag			
		Galvanization M218M						
	Smooth Lined	Diameter M294M						
	Corrugated Polyethylene Pipe	Depth & Spacing of Perforations <i>M294M</i>						
		Thickness M294M	OMR-INSP- 89		QPL-51 & pre-inspecte	ed by PPT stamp or		
		Stiffness M294M			sticker			
		Flattening M294M						
		Cracking M294M						

	<u></u>	Brittleness M294M	T		T			
		Fittings M294M	-		-			
	Asphaltic Concr	ete Curb					l	<u></u>
	Whe	en placed in conjunction with Pay Ite	em in Section 400), and ingredients	are sampled under that	Item, no additional samp	les of AC, CA, FA, or Minera	al Filler required.
	Tack Coat	Dynamic Shear: T- 315Specification Requirements 759	DOT-503	1 gal.two 1 quart cans	QPL-7One per week per distributor.	One per Project	Before applicationdistributor	
	Asphalt Cement	Dynamic Shear <u>T-315</u> TP-5	DOT-504	Two 1 quart cans1 qt.	Once per weekQPL-7	One per Project	Before applicationstorage tank	
	Mineral Filler	Gradation <i>T11 & T2</i> 7	Certification	10 lbs.	QPL-81	One per 1,000 tons, per Type, per Source	Stock	
					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Completed Mix	Asphalt Binder Content: GDT- 125, GDT-38, or T- 308Specification Requirements GDT-38 or GDT-83	<u>159</u>	25 lbs.varies per mix type	Two per week Asphalt producer will test 1 per 500 tons	GDOT will test two QA samples per 5 days production or 5 lots. 1 comparison per 10 days	Truck or Roadway	*Job Mix Formula may not be required.
	Fine Aggregate	Gradation 727						
		Wash 200 T11	DOT-658		QPL-2	As necessary		
		Sand Equivalent <i>GDT-63</i>						
	Coarse Aggregate	Wash 200 <i>T11</i> Gradation <i>T27</i>	- DOT-658		QPL-2	As necessary		