					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 <b>T137</b>						
STRUCTURES	Cement	Fineness M85						
		Autoclave M85	DOT-175	10 lbs.	QPL-3	One per Quarter, per	Ctook	
		Compressive Strength <b>M85</b>	001-175	TO IDS.	QPL-3	Source, per District	Stock	
		Vicat <b>T131</b>	]					
		Chemical <i>M85</i>	1					
	Portland	Air Content <b>T137</b>						
	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 <b>T131</b>	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					Stock	
		Fineness M295	_		QPL-30	One per Quarter, per Source, per District		
		Activity <b>M295</b>	DOT-175	10 lbs.				
		Soundness M295				Course, per Bistriot		
		Density <b>M295</b>						
		Chemical <b>M295</b>						
	Slag	Fineness M302						
		Activity <b>M302</b>						
		Soundness M302	DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District	Stock	
		Density M302						
		Chemical M302						
	Coarse Aggregate	Wash 200 <b>T11</b>	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 <b>727</b>	T					
Fine Aggregate	Gradation <b>727</b>			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 & <b>Number</b>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Wash 200 <b>T11</b>			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 <b>726</b>	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 <i>M154</i>	DOT-168	1 qt.	QPL-13	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Chemical Admixtures	Chemical Admixtures for Concrete <b>M194</b>	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 <b>M31M</b>						
		Dimensions M31M						
		Deformation Spacing <b>M31M</b>	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	
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						

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

					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 <b>M55M</b>						
		Weld Shear Strength <b>M55M</b>						
		Width <b>M55M</b>						
		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 <b>M31M</b>						
		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 <b>T244</b>	-					
		Yield Strength <b>7244</b>						

	Elongation <b>T244</b>	T			]	
	Bend Test T285					
	Chemical <b>M31M</b>	]				
	Coating <b>853.08</b>	]				
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 <b>M148</b>	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 <b>GDT-27</b>	_		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 <b>ASTM D412</b>		[	J	1	·····	]
	Silicono Godiani	Durometer <b>ASTM D2240</b>						
		Bond <i>GDT-106</i>						
		Tack Free Time <b>GDT-106</b>	— ,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
		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 <b>ASTM A370</b>						
		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 <b>T244</b>			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 <b>ASTM D1475</b>	M D1475					
	Color	Color						
		Certification						
	Steel Bolts, Nuts &	ASTM A307	Certification	3 bolts	Certified Mill Test	]	Stock	Independent Assurance:
	INUIS &	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 <b>ASTM F606</b>					
	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 <b>ASTM F568</b>		(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 <b>T244</b>	•	1 bolt per				
		Tensile Strength <b>T244</b>	Certification	diameter, per	Certified Mill Test		Fabricator or Supplier	
		Elongation <b>T244</b>		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 <b>ASTM A370</b>	Certification		QPL-6 w/Certified Mill		
		_		Test Report		
	Reduction of Area ASTM A370					
	Hardness <b>ASTM A370</b>	+				
	Chemical <b>ASTM A709</b>	-				
	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 <b>ASTM D395</b>						
		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 <b>C14</b>	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 <b>ASTM F568</b>		 		
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 <b>ASTM E23</b>		 -	 	
	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 <b>ASTM A370</b>	-	_		
	Chemical ASTM A709		1		

					GUIDE FRI	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <b>Number</b>	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 <b>As Specified</b> Yield Strength <b>7244</b> Tensile Strength <b>7244</b>	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 7137 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 T26	DO1-319 DO1-088	Lot. O	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	<u> </u>	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 t	used in Bridge Curb or each cumulative 50 yd ucture. Cylinders shal	Wall Coping. Two Concr	concrete placed per week structure to represent	
504		10 II 1 00T 05 0 T00						
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 615		(2 for 1 d	each placement date. ay, 2 for 3 day)		In accordance with
		Slump GDT-27	DOT-319		Air, Slump & Mix required when cyling	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 <b>7137</b>						
		Fineness <i>M85</i>	DOT-175					
1					J			

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

		Autoclave <i>M85</i>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
		Chemical <i>M85</i>						
	Fine Aggregate	Gradation <b>727</b>						
		Wash 200 <b>T11</b>				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 <b>727</b>	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 <b>726</b>	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 <b>ASTM A570</b>			-			
		Galvanization ASTM A90 or ASTM E376						
	L	Ll		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	7.55.01.00.03			
		Weight per Gallon <b>ASTM D1475</b>						
		Color						
		Certification						
506				'	L			
EXPANDED MORTAR	Portland Cement		DOT-175	Sampled construction o	tested in conjunction was tested in conjunction was Project. No additional normal circumstanc	sample required under		
	Coarse	Wash 200 <b>T11</b>	L		[	]		
	Aggregate	Gradation <b>727</b>	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 <b>727</b> Sand Equivalent <b>GDT-63</b> Wash 200 <b>711</b>	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 & <b>Number</b>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Water	Quality of Water to be Used in Concrete <b>726</b>	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 <b>T244</b>						
		Yield Strength <i>T244</i>						
		Elongation <b>T244</b>	DOT-166					
		Reduction of Area T244						
		Thread Dimensions						
		Hardness ASTM A370						
	Anchor Bolts	Grade <b>As Specified on Plans</b>		<u> </u>				
		Yield Strength <i>T244</i>					-	
		Tensile Strength <b>T244</b>					-	
		Elongation <b>T244</b>					-	
		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 <b>ASTM D2240</b>	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 <b>ASTM D2371</b>				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 <b>ASTM D1475</b> 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 <b>M46</b>				Stock		
	Cutback Asphalt	Viscosity <b>T201</b>	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 <b>M31M</b>						
		Dimensions <i>M31M</i>						
		Deformation Spacing <b>M31M</b>						
		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 <b>T244</b>						
		Elongation <b>T244</b>						
		Bend Test <b>7285</b>						
		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 <b>7131</b>						
		Chemical <b>M85</b>						
	Water	Quality of Water to be Used in Concrete <b>726</b>	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 <b>M31M</b>						
		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 <b>T244</b>						
		Yield Strength T244						
		Elongation <b>T244</b>	]					

					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 <b>T285</b>	]					
		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 <b>T244</b>	-					
	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	[	 -		

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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		
		Reduction of Area ASTM A370								
		Hardness ASTM A370			-					
		Chemical <b>ASTM A709</b>			-					
		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 <b>T137</b>					 
	Cement	Fineness <i>M85</i>	_				
		Autoclave M85					
		Compressive Strength M85	DOT-175		QPL-3		
		Vicat <b>7131</b>			_		
		Chemical <b>M85</b>					
	Portland	Air Content <b>T137</b>			-		 
	Pozzolan Cement	Fineness M240					
		Autoclave <i>M240</i>	]				
		Compressive Strength M240	DOT-175	_	QPL-3		
		Vicat <b>7131</b>		_			
		Chemical <i>M240</i>					
	Fine Aggregate	Gradation <b>T27</b>					 
		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 & <b>Number</b>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS

Aggregate	Gradation <b>727</b>			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 <i>M31M</i> Weight <i>M31M</i> Dimensions <i>M31M</i>						
	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 <b>T244</b>	DO1-100	per size	Reports.	Fabricator	Jobsite storage	
	Yield Strength <b>T244</b>						
	Elongation <i>T244</i> Bend Test <i>T285</i>						
	Chemical <b>M31M</b>						
Steel Wire for	Size M32M						
Reinforcement	Diameter <i>M32M</i>						
	Area <b>M32M</b>						
	Tensile Strength <b>T244</b>	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 <b>T244</b>						
	Bend Test M32M						
Welded Steel	Size <b>M55M</b>						
Wire Fabric for Reinforcement	Diameter <i>M55M</i>						
1 Cambrooment	Area <b>M55M</b>						
	Tensile Strength <b>T244</b>						
	Yield Strength <b>T244</b>						
	Area Reduction <b>T244</b>	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 <b>M55M</b>						
	Length <i>M55M</i>						
	Spacing <i>M55M</i>	-					

Cylinders	Compressive Strength T22	DOT-319	3 ea.			
Steel Bolts,	Chemical <b>ASTM F568</b>	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 <b>ASTM F606</b>			-			
		Length						
		Diameter						
		Thread Class						
		Galvanization ASTM A90 or ASTM E376			_			
	Anchor Bolts	Grade <b>As Specified</b>						
		Yield Strength <b>T244</b>			1			
		Tensile Strength <b>T244</b>			-			
		Elongation <i>T244</i>			Certified Mill Test Report			
		Reduction of Area <b>T244</b>						
		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 I Plastic Pipe I	Diameter						
		Depth & Spacing of Corrugations <i>M252</i>			Contisted Mill Took			
		Thickness	Certification		Certified Mill Test Report			
		Stiffness ASTM D2412						
		Flattening <b>M252</b>						
	L		L L		⊥			

Elongation <i>M252</i>						
Brittleness <b>M252</b>						
Flexibility <b>M252</b>			_			
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 <b>GDT-7</b>	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 <b>M31M</b>						
		Dimensions <i>M31M</i>						
		Deformation Spacing <i>M31M</i>						
		Height & Gap <i>M31M</i>	DOT 4004	1 pc @ 24"	QPL-43 w/Certified	Random sampling at	Supplier,Fabricator or	
		Tensile Strength <b>T244</b>	DOT-166A	per size	Mill Test Reports.	Fabricator	Jobsite storage	
	-	Yield Strength <b>T244</b>						
		Elongation <i>T244</i>						
		Bend Test <b>T285</b>						
		Chemical <b>M31M</b>						
	Epoxy Coating	Thickness <b>ASTM G12</b>			QPL-38			

	[	Adhesion <i>M284</i>	T		T					
515										
HANDRAIL - FERROUS METAL & PIPE	Anchor Bolts	Specification Requirements	Certification		Accepted by Project Personnel based on Visual Inspection & Certified Mill Test Report					
& FIFL	Handrail & Misc. Steel Items	Galvanization ASTM A123	Certification	Finished Handrail inspected by Office of Materials Personnel						
	Structural Steel	Charpy <b>ASTM E23</b>				]				
		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 <b>ASTM A27</b>						
	Castings	Tensile Strength <b>T244</b>	-		-			
		Yield Strength <b>T244</b>	Certification		Certified Mill Test Report			
		Elongation <b>T244</b>	-		Report			
		Reduction of Area T244	-		-			
	Steel Castings	Chemical <b>M103</b>						
		Tensile Strength <b>T244</b>			-			
		Yield Strength T244			-			
		Elongation <b>T244</b>	Certification		Certified Mill Test Report			
		Reduction of Area <b>T244</b>			Teport			
		Dimensions			-			
	Steel Pipe	Certification			-			
		Chemical <b>ASTM A53</b>						
		Yield Strength <b>T244</b>	Certification		Certified Mill Test Report			
		Tensile Strength <b>T244</b>						

	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 <b>ASTM F568</b>				
Washers	Yield Strength ASTM F606				
	Tensile Strength ASTM F606				
	Elongation <b>ASTM F606</b>	_	-		
		Certification	Certified Mill Test		
	Reduction of Area ASTM F606		Report		
	Hardness <b>ASTM F606</b>		-		
		_	_		
	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	Chemical <b>ASTM A370</b>					
		Tensile Strength <b>T244</b>			-		
		Yield Strength <b>T244</b>					
		Elongation <i>T244</i>	Certification		Certified Mill Test Report		
		Reduction of Area T244			Report		
		Thread Dimensions			-		
		Hardness ASTM A370			-		
516							
ALUMINUM HANDRAIL	Aluminum Alloy Materials	Chemical					
HANDRAIL	iviateriais	Thickness					
		Dimensions			-		
		Tensile Strength <b>T244</b>	Certification		Certified Mill Test		
	Yield Strength <b>7244</b> Elongation <b>7244</b> Bend Diameter Factor <b>ASTM B209</b>	Yield Strength <b>T244</b>					
		Elongation <i>T244</i>			Report		
		Hardness ASTM B241					
		Shear Strength ASTM B565			-		
	Caulking Compound	Certification	Certification		Manufacturer's Certification	 	
	Plain Steel Bars	Chemical <b>ASTM A370</b>				 	
		Tensile Strength <b>T244</b>			-		
		Yield Strength <b>T244</b>			Certified Mill Test		
		Elongation <b>T244</b>	Certification		Report		
		Reduction of Area <b>T244</b>			1		
		Thread Dimensions	1		1		

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

			<del>_</del>	-	<del></del>			
		Reduction of Area ASTM F606						
		Hardness <b>ASTM F606</b>			-			
	Elastomeric	Hardness ASTM D2240			-		<del> </del>	
	Bearing Pads	Tensile Strength ASTM D412						
		Elongation ASTM D412			_			
		Heat Resistance ASTM D573			Certified Mill Test Report			
		Compression Set <b>ASTM D395</b>	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 <sup>3</sup> 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 <b>T137</b>	DOT-175	10 lbs.	QPL-3	One per Quarter, per	J	[
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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
	Cement	Fineness M85				Source, per District		
		Autoclave M85	1					

	Compressive Strength M85	]					
	Vicat <b>7131</b>	-					
	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 <i>T11</i>						
Aggregate	Gradation <b>727</b>	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 <b>M295</b>						
	Activity M295	-					
	Soundness M295	DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District		
	Density M295	-			Source, per District		
	Chemical <b>M295</b>	-					
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 <b>M154</b>	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 & <b>Number</b>		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 <b>726</b>	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 <b>ASTM D480</b>	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 FR	EQUENCY		
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 <b>T244</b>	]		-			
		Yield Strength <b>7244</b>	]		QPL-44 w/Certified			
		Elongation <i>T244</i>	Certification		Mill Test Report			
		Diameter	]		-			
		Weight	1		-			
		Certification	1					
	Fluted Steel	Thickness						
	Shell Pile	Diameter	] [		QPL-44 & Certified			
		Yield Strength <b>7244</b>	Certification	on	Mill Test Report			
	Steel H-Pile Ch	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 <b>ASTM A709</b>			-			
	Steel Bolts,	Certification			-			
		Chemical <b>ASTM F568</b>						
	Nuts & Washers	Yield Strength ASTM F606						
	VVasilois	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 <b>T244</b>					
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  Certified Mill Test							
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 <b>As Specified</b>		 			
Elongation 7244		Yield Strength <b>T244</b>					
		Tensile Strength <b>T244</b>					
Octuniou Will 165t		Elongation T244	- Certification	Certified Mill Test			
Reduction of Area <b>7244</b> 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 <b>ASTM E154</b>	Certification		QPL-22			
		Pliability ASTM D146			-			
		Cycling Over Crack <b>Section 888.03</b>						
		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> <b>5</b>	DOT-504	Two 1 qt. cans	QPL-7	As per GSP-21	Storage Tank	
	Coarse	Wash 200 <b>T11</b>						
	Aggregate for Asphaltic Concrete	Gradation <b>727</b>	DOT-658	45 lbs.	QPL-2	As necessary	Stockpile	
	Fine Aggregate	Gradation <i>T11 &amp; T27</i>						
	for Asphaltic Concrete	Clay Lumps <b>T1121</b>						
	Control	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 &amp; 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 & <b>Number</b>	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 <b>7219</b>						
	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	k Coat Dynamic Shear <b>7</b> <u>-315</u> ₽-5	DOT-504M	Two 1 quart cans	Once per week per distributor QPL-7	J	Distributor	Density
Emulsified Asphalt	Viscosity <b>759</b>	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 <b>846-1311</b>	Certification		Visual Ir	nspection	Stock	Independent Assurance:
	Certification						sample occasionally
Waterproofing	Bond <i>GDT-69</i>				]		
Membrane Material for	Permeability <i>GDT-69</i>						
Bridge Decks	Heat Resistance GDT-69						
	Penetration GDT-69						
	Freeze-Thaw GDT-69	Certification		QPL-22			
	Chemical Resistance <i>GDT-69</i>	Certification		WrL-22			
	Shear Resistance GDT-69						
	Effectiveness GDT-69						
1	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 <b>846-1311</b>	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 <b>ASTM C295</b>					Source

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					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <b>Number</b>	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	g Retention of Preservative AWPA ted Timber C14			QPL-50, preinspected by Authorized Agency & AWW stamp					
		Certification	<b></b>		,	r			
Fluted Steel Shell Pile	Thickness								
, ,	Diameter	Certification		QPL-44 & Certified					
,	Yield Strength <b>T244</b>	Certinication		Mill Test Report					
'	Certification								
Steel H-Pile	Charpy <b>ASTM E23</b>								
'	Thickness	Certification		QPL-44 & Certified Mill Test Report					
'	Yield Strength			Willi restriction.					
Lumber & Timber	Certification	Certifcation	1	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 <b>T11</b>			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 <b>ASTM D480</b>	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 <b>726</b>	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 <b>M31M</b>						
	Dimensions <i>M31M</i>	-					
	Deformation Spacing <b>M31M</b>						
	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 <b>T244</b>	DOT-166	per size	w/Certified Mill Test Reports.	Fabricator	Jobsite storage	Project by Independent Assurance Personnel
	Yield Strength <b>T244</b>			Тюропо.			7.00drande i eroonner
	Elongation <b>T244</b>						
	Bend Test <b>7285</b>						
	Chemical <b>M31M</b>						
Misc. Bridge Hardware		Certification	One of ea.	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 <b>ASTM D792</b>						
	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 <b>7237</b>	-		-		_	
		Wet Bond <i>T137</i>	-		-		_	
	Bond Breakers	Density <b>ASTM D1622</b>						-
	– 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		<del> </del>	

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 & <b>Number</b>	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			
DRAIN PIPE	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 <b>7280</b>	OMR-INSP86					
	Portland	Air Content <b>T137</b>			-			
	Cement	Fineness <i>M85</i>	-					
		Autoclave M85	1		_			
		Compressive Strength M85	- DOT-175		QPL-3			
		Vicat <b>7131</b>	-					
		Chemical M85	-					
	Fly Ash	Fineness <i>M295</i>						
		Activity M295	-					
		Soundness M295	DOT-175		QPL-30			
		Density M295	1					
		Chemical <b>M295</b>						
	Fine Aggregate	Gradation <b>727</b>	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 <b>711</b>	DOT-658	45 lbs.	One per 1,500 tons	QPL-2 Sources, 1	

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

	Spacing <i>M55M</i>					
Cylinders	Compressive Strength <b>722</b>	Certification DOT -T152	3 ea.		 	
Non-Reinforced	Concrete Pipe				 	`
Physical	Diameter <i>M86</i>					
Properties of Pipe	Thickness M86			QPL-4 with CPT Stamp or preinspected		
	Absorption <i>M86</i>	7		by Office		
	Permeablity <b>M86</b>	DOT-164		of Materials with GDT Stamp		
	External Load Strength <b>T280</b>	OMR-INSP- 86				
Portland	Air Content <b>7137</b>	-			 	
Cement	Fineness M85			1		
	Autoclave M85	DOT-175		- QPL-3		
	Compressive Strength M85					

					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 <b>T131</b>	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 <b>727</b>	1					
		Wash –200 <b>T11</b>	]			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 <b>T11</b>	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 <b>727</b>		be sampled.	acceptance tests on materials delivered from Section D Sources.	
ļ	Corrugated	Diameter <b>M36M</b>		 	/	 
	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 <b>M196M</b>	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 <i>M196M</i>						
		Chemical <b>M197M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength T244						
		Elongation <b>T244</b>						

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 <b>T27</b>	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 <b>727</b>	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 <b>M245M</b>					
	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 <b>T244</b>	- Certification		Certified Mill Test Report		
		Yield Strength T244	-		i i		
		Elongation <b>T244</b>	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 <b>732</b>	T		[		
		Compressive Strength <b>732</b>					
560							
STRUCTURAL	Backfill						
PLATE PIPE, PIPEARCH & ARCH	Type I – Class	Gradation GDT-4					
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 <b>727</b>	DOT-658		One per 20, 000	As required by Projec	 
	Backfill Aggregate				tons. One per 500 tons based upon	Engineer	
	33 3				QPL-2, except for		
					Section D, Stockpile Basis Sources;		
					material from Section		
					D must be sampled.		
	Type III –	Density <b>GDT-7</b>					 
	Soil/Organic	Condition of Mixture	DOT-408		Notify Central Lab		
	Steel Structural	Diameter <b>M167M</b>	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		
		Tensile Strength <b>T244</b>					
		Elongation <b>T244</b>					
		Galvanization <i>M167M</i>					
	Galvanized	Certifiation					
	Repair Compound		Certification	1 qt.	Approved by Office of I	Materials	
	Corrugated						 
	Aluminum Alloy						 
	Structural Plate	Depth & Spacing of Corrugations <b>M219M</b>					
	for Pipe, PipeArches &	Thickness <b>M219M</b>	Certification			ted with CMPT or GDT ag	 
	Arches	Arch Dimensions <b>M219M</b>			-	~ອ	 
		Chemical <b>ASTM B209</b>					 
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			REPORT SM		GOIDE FR	LGULINOT	

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TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>		SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
561					_			
RENOVATING PIPE (Helically	Corrugated Steel Pipe	Diameter <b>M36M</b>						
Corrugated)	Oteer i pe	Depth & Spacing of Corrugations <i>M36M</i>	DOT-291		QPL-56 & pre-inspecte tag	ed with CMPT or GDT		
		Thickness <b>M36M</b>			- tag			
		Galvanization <i>M218M</i>						
	Portland	Air Content <b>T137</b>				]		
	Cement	Fineness <i>M85</i>						
		Autoclave <b>M85</b>						
		Compressive Strength M85	DOT-175					
		Vicat <b>7131</b>						
		Chemical <i>M85</i>						
	Mineral Filler		Certification		QP	L-81		
	Fine Aggregate	Gradation <b>727</b>	-			]		
		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 <b>M295</b>						
		Activity <b>M295</b>			1			
		Soundness M295	DOT-175		QPL-30	One per Quarter, per		
		Density <b>M295</b>				Source, per District		
		Chemical <b>M295</b>						
	Water	Quality of Water to be Used in Concrete <b>726</b>	DOT-088	1 qt.	One per unpotable Source, per month		Enough in advance so that results are known before use	
	Grout Mixture	Slump <b>GDT-84</b>			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 <b>M294M</b>	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 <b>M294M</b>						
Fittings M294M    Fittings M294M   Fittings M294M   Fittings M294M			Cracking <b>M294M</b>						
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 <b>M294M</b>						
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.		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 <b>727</b>	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 <b>727</b>	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 <b>7280</b>	OMR-INSP86				
Portland	Air Content <b>7137</b>				 	
Cement	Fineness <i>M85</i>		_			
	Autoclave <i>M85</i>	DOT-175	_	QPL-3		
	Compressive Strength M85					
	Vicat <b>7131</b>	_		, 		

					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <b>Number</b>	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 <b>M295</b>	-					
		Chemical M295	-					
	Fine Aggregate	Gradation <b>727</b>						
		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>						
Agi	Aggregate	Gradation <b>727</b>	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 <b>M32M</b>	- Certification	1 pc @ 24"	Certified Mill Test	Random sampling	Jobsite storage and/or	
	Reiniorcement	Diameter <b>M32M</b>	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 <b>T244</b> Bend Test <b>M55M</b>						

					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 <b>722</b>	Certification	3 ea.		<b></b>		
	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 <b>T280</b>			QPL-4 with CPT Stamp Office of Materials with	o or pre-inspected by GDT Stamp		
	Portland	Air Content <b>T137</b>						
	Cement	Fineness M85	-		_			
		Autoclave M85	-					
		Compressive Strength M85	DOT-175		QPL-3			
		Vicat <b>T131</b>	-					
		Chemical <i>M85</i>	-		-			
	Fly Ash	Fineness <b>M295</b>						
		Activity <b>M295</b>	DOT-175		QPL-30			

	Soundness <b>M295</b> Density <b>M295</b> Chemical <b>M295</b>					
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 <b>T11</b>	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 <b>M196M</b>						
		Thickness <i>M197M</i>						
		Arch Dimensions M196M	DOT-291			ted with CMPT or GDT		
		Chemical <b>M197M</b>			· ·	ag		
		Tensile Strength <b>T244</b>						
		Yield Strength <i>T244</i>						
		Elongation <b>T244</b>						
		Diameter <b>M36M</b>			ODI 50 8 mm in an an	ted with CMDT as CDT		
	Underdrain Pipe	Depth & Spacing of Corrugations <b>M36M</b>	DOT-291		QPL-56 & pre-inspected with CMPT or GDT tag			

		Thickness M36M					
		Galvanization <i>M218M</i>					
Ţ	Corrugated	Diameter <b>M252M</b>					
	Polyethylene Underdrain Pipe	Depth & Spacing of Corrugations <i>M252M</i>					
		Thickness <b>M252M</b>					
		Stiffness ASTM D2412					
		Flattening <b>M252M</b>	OMR-INSP-		-    QPL-51		
		Elongation <i>M252M</i>	89  				
		Brittleness M252M					
		Flexibility <b>M252M</b>					
		Couplings M252M					
		Strength M252M					
	Smooth Lined	Diameter <b>M294M</b>					
	Corrugated Polyethylene Culvert Pipe	Depth & Spacing of Perforations <i>M294M</i>			QPL-51 & pre-inspected by PPT stamp or		
		Thickness <b>M294M</b>	OMR-INSP89		sticker		
		Stiffness M294M					
		Flattening <b>M294M</b>	_				
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					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 <b>M294M</b>						
		Brittleness M294M						
		Fittings <b>M294M</b>						
574								
EDGE DRAINS	Corrugated	Diameter M196M						
	Aluminum Alloy Slope Drain Pipe	Depth & Spacing of Corrugations <b>M196M</b>	3					
		Thickness <i>M197M</i>						
		Arch Dimensions M196M	DOT-291			ed with CMPT or GDT		
		Chemical <i>M197M</i>			. ta	ag		
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>	-					
		Elongation <b>7244</b>						

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	Office of Materials with GDT Stamp				
	External Load Strength <b>7280</b>	OMR-INSP86							
Portland	Air Content <b>T137</b>			 			-		
Cement	Fineness M85			-					
	Autoclave M85			-					
	Compressive Strength M85	DOT-175		- QPL-3					
	Vicat <b>T131</b>			-					
	Chemical <i>M85</i>			-					
Fly Ash	Fineness <b>M295</b>								
A	Activity M295			-					
	Soundness M295	DOT-175		QPL-30					
	Density M295								
	Chemical M295			-					
Fine Aggregate	Gradation <i>T2</i> 7								
	Wash 200 <b>T11</b>				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 <b>T11</b>	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 <b>M32M</b>	-					
Reinforcement	Diameter <b>M32M</b>	-					
	Area <b>M32M</b>	_					
			1 pc @ 24" per	Certified Mill Test		Jobsite storage and/or	
	Tensile Strength <b>T244</b>	Certification	size/dia	Report	Random sampling	producer stock	
	Yield Strength <b>T244</b>						
	Area Reduction <b>T244</b>						
	Bend Test <i>M32M</i>						
Welded Steel	Size <b>M55M</b>						
Wire Fabric for Reinforcement	Diameter <i>M55M</i>						
Remorement	Area <b>M55M</b>	-					
	Tensile Strength <b>T244</b>	-					
	Yield Strength <b>T244</b>	-					
	Area Reduction <b>T244</b>	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 <b>T22</b>	Certification	3 ea.				
Non-Reinforced	Concrete Pipe	_L	J		J		L
Physical	Diameter <b>M86</b>						
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 <b>T137</b>						
	Cement	Fineness M85			-			
		Autoclave M85	DOT 475					
		Compressive Strength M85	DOT-175		- QPL-3			
		Vicat <b>7131</b>			-			
		Chemical M85			-			
	Fly Ash	Fineness M295						
		Activity M295			-			
		Soundness M295	DOT-175		QPL-30			
		Density M295						
		Chemical <b>M295</b>			-			
	Fine Aggregate	Gradation <b>727</b>	_					
		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 <b>T11</b>						
	Aggregate	Gradation <b>727</b>	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 <b>M295</b>						
		Activity <b>M295</b>			-			
		Soundness M295	DOT-175		QPL-30			
		Density M295			-			
		Chemical <b>M295</b>			-			
	Portland	Air Content <b>T137</b>						
	Cement	Fineness M85						
		Autoclave M85	DOT 475					
		Compressive Strength M85	DOT-175		- QPL-3			
		Vicat <b>T131</b>			-			
		Chemical <b>M85</b>						
	Corrugated	Diameter <b>M252M</b>						
	Polyethylene Underdrain Pipe	Depth & Spacing of Corrugations <i>M252M</i>						
		Thickness M252M	OMR-INSP-		QPL-51			
		Stiffness ASTM D2412	89		1			
		Flattening <b>M252M</b>			1			
		Elongation <i>M252M</i>			1			

	Brittleness M252M						
	Flexibility <b>M252M</b>						
	Couplings M252M						
	Strength M252M						
Drainage Aggregate	Gradation <b>727</b>	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-59</i>	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> <b>5</b>	DOT-504	Two 1 quart cans1 qt.	QPL-7	As per GSP-21	Storage Tank	
	Coarse	Wash 200 <b>T11</b>						
	Aggregate for Asphaltic Concrete	Gradation <b>727</b>	DOT-658	45 lbs.	QPL-2	As necessary	Stockpile	
	Fine Aggregate	Gradation <i>T11 &amp; 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	1					
	Mineral Filler	Gradation <i>T11 &amp; T2</i> 7	DOT-168	10 lbs.	QPL-81	One per 500 tons, per Type, per Source	Silo	
	Hydrated Lime	Physical & Chemical Analysis <i>M216-84</i>	Certification	1 gallon <del>qt</del> .*	QPL-41	One per Quarter	Silo or Tanker	*air-tight container
		Gradation <b>T219</b>	1					As required by SOP-17

		Chemical <b>7219</b>			[			[
	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 <b>ASTM D4833</b>						
	Non-woven	Grab Tensile Strength <b>ASTM D4632</b>	Certification		QPL-28			
		Grab Elongation ASTM D4632						
		Flow Rate <i>GDT-87</i>						
576								
SLOPE DRAIN	Corrugated	Diameter <b>M196M</b>						
	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 <b>T244</b>			1			

					GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <b>Number</b>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
		Yield Strength <b>T244</b>						
		Elongation <i>T244</i>						
	Corrugated	Diameter <b>M36M</b>						
	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		<b>T</b>	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 <b>M218M</b>	-		-			
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 <b>M294M</b>						
Stiffness M294M		Polyethylene	Depth & Spacing of Perforations <b>M294M</b>			-			
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 <b>M294M</b>	_		-			
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 <b>M294M</b>	- 89		- sticker			
Fittings M294M			Cracking <b>M294M</b>	-		-			
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 <b>M294M</b>	-		-			
Profile Wall Drain Pipe    Profile Wall Drain Pipe		Polyvinyl	Diameter <b>M304</b>						
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	-		1			
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 <b>727</b>	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 &amp; 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	
·				_					
GUIDE FREQUENCY		L				CHIDE ED	EOHENOV	J	

					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 <b>T219</b>	Certification	1 gallonqt.*	QPL-41	One per Quarter	Silo or Tanker	A
		Chemical <b>T219</b>						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	<del></del>	·	·	'		·	-'
	Fly Ash	Fineness M295	1		1		T	
		Activity M295						
		Soundness M295						
		Density M295						
		Chemical <b>M295</b>	DOT-175		QPL-30			
	Portland Cement	Air Content <b>T137</b>						
		Fineness M85	DOT 475		ODL 2			
		Autoclave <i>M85</i>	DOT-175		QPL-3			
		Compressive Strength M85						

	Vicat <b>7131</b>					
	Chemical <i>M85</i>					
Portland Pozzolan	Air Content <b>T137</b>	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 <b>M240</b>						
		Compressive Strength M240			-			
		Vicat <b>7131</b>	-		-			
		Chemical M240			-			
	Sand-Cement	Compressive Strength <b>722</b>						
	Bag Rip Rap	Moisture Content <b>T134</b>	Certification	45 lbs.	Laboratory Mix Design			
		Bag Material & Size						
	Slope Drain Pipe		<u> </u>	-'	•	·		
	Corrugated	Diameter <i>M196M</i>	1		7 <b></b>			
	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 <b>T244</b>						
		Yield Strength T244						
		Elongation <b>T244</b>			-			
	Corrugated Steel Pipe	Diameter <b>M26M</b>	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 <b>M294M</b>						
	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 <b>M294M</b>						
		Cracking <b>M294M</b>						

	1	Brittleness <b>M294M</b>	T		T			
		Fittings <b>M294M</b>	-					
	Asphaltic Concr				'			
	Whe	en placed in conjunction with Pay Ite	em in Section 400	0, 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> <b>TP-5</b>	DOT-504	Two 1 quart cans1 qt.	Once per weekQPL-7	One per Project	Before applicationstorage tank	
	Mineral Filler	Gradation <i>T11 &amp; T27</i>	Certification	10 lbs.	QPL-81	One per 1,000 tons, per Type, per Source	Stock	
					GUIDE FR	EQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <b>Number</b>	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 <b>727</b>						
		Wash 200 <b>T11</b>	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		