						GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
1	-	-	-		-	-		-	
ONCRETE	Concrete Ingred	lients Agents							
ARRIER	Portland	Air Content T137	I	Ì		1			ĺ
	Cement	Fineness <i>M85</i>							
		Autoclave M85	DOT-175						
		Compressive Strength M85	Ga175						
		Vicat 7131							
		Chemical <i>M85</i>							
	Portland	Air Content T137							
	Pozzolan	Fineness M240	†						
	Cement	Autoclave M240	DOT-175						
		Compressive Strength M240	Ga175						
		Vicat 7131							
		Chemical M240							
	Fly Ash	Physical & Chemical ASTM C311							
	1.,,,	inglious de Chombour Pierrin 3011							
		Fineness M295	DOT-175	10 lbs.	QPL-30				
		Activity M295				One per Quarter, per			
		Soundness M295	Ga175		QI L 30	Source, per District			
		Density M295							
		Chemical M295				 			
	Fine Aggregate	Gradation 727							
	, me , gg egale	Sand Equivalent GDT-63				QPL-1 Sources, 1 per			
			DOT-658 Ga658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	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 727	1			QPL-2 Sources, 1 per			
			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.	month , per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.			
	Water	Quality of Water to be Used in Concrete 726	Ga088	1 qt.*	One per unpotable Source, per month			Enough in advance so that results are known before use	*non-metal container
	Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete M154	T152	1 qt.	QPL-13	One per 6 months, per Source, per District		Ready Mix Plant Stock	

						GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Chemical	Chemical Admixtures for Concrete		1 qt.	QPL-14	One per 6 months, per		Ready Mix Plant Stock	
	Admixtures	M194				Source, per District		,	
	Deck Oil		GACERT					<u> </u>	
	Steel Bars for	Number <i>M31M</i>						<u> </u>	
	Reinforcement	Weight <i>M31M</i>							
		Dimensions M31M							
		Deformation Spacing M31M	Reinforce						
		Height & Gap M31M	ment Test	2 pcs. @	QPL-12 & QPL-61	Random sampling at			
		Tensile Strength T244	Report	24" per size	QPL-12 & QPL-01	Fabricator			
		Yield Strength T244	Ga166						
		Elongation T244							
		Bend Test T285							
		Chemical <i>M31M</i>	L	<u> </u>					
	Joint Fillers & S		I	1	1	,		I.a.	1
	Preformed Joint Filler	M153 or M213	Misc. GACERT	10"	QPL-20			Stock	Sample in accordance with SOP-17
	Hot Pour Joint	Penetration GDT-62							
	Sealers	Flow GDT-62	Misc.	1 kit	Pre-inspected by Central Lab; 1 sample			Stock	
		Resilience GDT-62	GACERT						
		Bond GDT-62			per shipment				
		Compatibility GDT-62							
	Elastomeric	Cone Penetration GDT-15			Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment			Stock	
	Polymer Type Joint Compound	Solubility GDT-15	Misc.						
	John Compound	Resilience GDT-15	GACERT						
		Flow GDT-15 Bond GDT-15							
	Preformed	Tensile Strength ASTM D412							
	Elastic Joint Sealer								
	Sealer	Elongation at Break ASTM D412							
		Hardness ASTM D2240			Dec Second 11]	
		Oven Aging ASTM D573	Misc.		Pre-inspected by Central Lab & Certified				
		Oil Swell ASTM D471	GACERT	36"	Mill Test Report; 1			Stock	
		Ozone Resistance ASTM D1149			sample per shipment				
		Joint Sealer Recovery GDT-47							
		Compression/Deflection GDT-70	=						
	Water-Blown	Specification 833.05	Misc.		Certified Mill Test				
	Urethane Joint		GACERT		Report				
	Filler				'				
	Silicone Sealant	Tensile Stress ASTM D412							
		Hardness ASTM D2240	1					1	
		Bond <i>GDT-106</i>	1					1	
		Tack Free Time GDT-106	1		1			1	
		Extrusion GDT-106	Misc.		QPL-66 or 1 sample			1	
		Non-Volatile GDT-106	GACERT		per batch, per Type			Stock	
į	1		J	L	1			_	1

						GUIDE FREQUENCY			
TYPE		TEST PROCEDURES	REPORT	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF	
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	SM Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS
		Specific Gravity ASTM D792							
		Adhesion GDT-106							
		Resistance ASTM C793							
	Bond Breakers	Density ASTM D1622			Pre-inspected by				
	-Rods	Tensile Strength ASTM D1623	Misc.		Central Lab & Certified				
			GACERT	6 ft	Mill Test Report; 1			Stock	
		Water Absorption ASTM C1061			sample per shipment				
	Bond Breakers	Thickness	Misc.		Certified Mill Test				
	-Tape	111101111000	GACERT		Report				
	Neoprene for	Specification 833.07	Misc.		Certified Mill Test				
	Bridge Deck Joint Seal		GACERT		Report				
	Ethylene	Specification 833.08	Misc.		Certified Mill Test				
	Propylene Diene	•	GACERT		Report				
	Monomer for								
	Bridge Deck								
	Joint Seals								
	Polyurethane	Hardness ASTM D2240							
	Sealant for Inductive Loops	Tensile Strength ASTM D412							
		Elongation ASTM D412	Misc.		QPL-75				
		Flexibility	GACERT		Q1 L-73				
		Weather Resistance ASTM D822							
	Preformed	Specification 833.10	Misc.		Certified Mill Test				
	Foam Joint Filler		GACERT		Report				
	Concrete	Strength GDT-35 & T22	DOT-319	2 cylinders	See NOTE 1		Observe 1 set per 1500	During pouring operation	Cylinders to be tested in
			T152				yd ³		Branch or Central Lab
		or fraction the	eof placed da	ily, except for Concrete b	arrier placed with slip forn	n equipment. Two cylinde	ers shall be fabricated for each	ch 150 yd ³ or fraction	
		thereof placed daily. Air GDT-26 or GDT-32							
		Slump GDT-27		See NOTE		Observe 1 set per 1500			
				2		vd ³		During pouring operation	
		Mix Temperature GDT-122		1		,			
		NOTE 2: Air, Slump & Mix Tempera	ature tests are	required whe	en cylinders are made & a	s judged necessary to ins	ure adequate control.	1	1

627							
MECHANICALLY	Reinforcing	Charpy ASTM E23					
STABILIZED EMBANKMENT	Strips	Dimensions					
RETAINING WALLS		Yield Strength ASTM A709	-				
		Tensile Strength ASTM A709	Misc. GACERT		Certified Mill Test Report		
		Elongation ASTM A709					
		Reduction of Area ASTM A709					
		Hardness ASTM A709					
		Chemical ASTM A709					
	Reinforcing	Size ASTM A185					
	Mesh	Diameter ASTM A185					
		Area ASTM A185					
		Tensile Strength T244	1				
		Yield Strength T244	Welded Wire Test		Pre-inspected by Central Lab Personnel &		
		Area Reduction <i>T244</i>	Report GACERT		serially numbered GDT tag attached		
		Bend Test ASTM A185	- -				
		Weld Shear Strength ASTM A185					
		Width ASTM A185					

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
								_		
		Length ASTM A185								
		Spacing ASTM A185								
	Connecting Devices	As Specified	GACERT		Certified Mill Test Report				Independent Assurance: sample occasionally	
	Fasteners	Chemical ASTM A325								
		Yield Strength ASTM A325								
		Tensile Strength ASTM A325								
		Elongation ASTM A325	-							
		Reduction of Area ASTM A325	Misc. GACERT							
		Hardness ASTM A325								
		Length								
		Diameter								
		Thread Class								
		Galvanization ASTM A153								
	Attachments	Size ASTM A82								
		Diameter ASTM A82								
		Area ASTM A82								
		Tensile Strength T244	Reinforce-ment Test Report							
		Yield Strength T244	GACERT							
		Area Reduction T244								
		Bend Test ASTM A82								
		Galvanization ASTM A123								
	Concrete									
		Compressive Strength <i>GDT-35</i> & <i>T22</i>	Misc. T152							
	Portland Cemen	t Air Content T137								
		Fineness <i>M85</i>	1		1					
		Autoclave M85	DOT 175 2 155]					
		Compressive Strength M85	DOT-175 Ga175		QPL-3					
		Vicat T131	1		1					
		Chemical <i>M85</i>	1		1					

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
	1	T	1	T	1					1
	00 0	Gradation 727	-							
		Sand Equivalent <i>GDT-63</i>	DOT-658 Ga658	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.				
I	Coarse	Wash 200 T11				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.				
	Aggregate	Gradation 727	DOT-658 Ga658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.					
	Mechanically Stabilized Embankment	In Place Density GDT-24 GDT-59	DOT-553		One per wall per day.					
	Joint Fillers			1.	-1			<u>'</u>		
	Plastic Filter Fabric - Woven	Tensile Strength ASTM D4632								
		Bursting Strength ASTM D3786	Misc. GACERT		QPL-28					
		Elongation ASTM D4632								
		Percent Open Area GDT-88								
	Plastic Filter Fabric – Non-Woven	Puncture Resistance ASTM D4833	Misc. GACERT							
		Grab Tensile Strength ASTM D4632			QPL-28					
		Grab Elongation <i>ASTM 4632</i>								

						GUIDE FREQUENCY		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OF SAMPLI
		Flowrate <i>GDT-87</i>						
	Bearing Pads	Dimensions						
		Hardness ASTM D2240	Misc. GACERT					
		Physical & Chemical Analysis As Specified	DOT-658 Ga658		Approved by Central Lab Personnel			Prior to use
		Determination of Zinc Coating Thickness Gauge <i>GDT-82</i>	GACERT				Occasionally*	
		Epoxy Coated Systems						
	Wall Panels					g Report (OMR-122) & ant Stamp		