							GUIDE FREQUENCY			
CONTROLLOW STRENGTH   Compressive Strength M240   Control M25   Compressive Strength M25   Compressive Strength M26   Control M25   Compressive Strength M26   Control M27   Compressive Strength M27   Compressive Strength M27   Compressive Strength M26   Compressive Strength M27   Compress	TYPE		TEST PROCEDURES	REPORT	SIZE OF			INDEPENDENT	LOCATION OR TIME OF	
CONTROLLOW STRENGTH	CONSTRUCTION	MATERIAL	Name & <i>Number</i>		SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS
Portland Cement	000									
FLOWABLE FILL   Cement	CONTROL LOW	Concrete Ingred	lients_							
Autocave M85 Compressive Strength M85 Ga175  Vicat T131 Chemical M86 Portland All Connet T137 Pozzolan Fineness M240 Current Autocave M240 Compressive Strength M240 Vicat T131 Chemical M240 Vicat T131 Chemical M240 Fly Ash Physical & Chemical ASTM C311 Fineness M295 Consider M295 Consider M295 Consider M295 Consider M295 Chemical M295 C	STRENGTH	Portland	Air Content <b>T137</b>	Ì	ĺ		1		ĺ	
Compressive Strength M85   Vicat 7737   Chemical M85   Portland   Air Content 7737   Fineness M240   Compressive Strength M240   Compressive	LOWABLE FILL	Cement	Fineness <i>M85</i>							
Compressive Strength M85   Vicat 7731   Chemical M85   Air Content 7737   Fineness M240   Out 7731   Compressive Strength M240   Out 7731			Autoclave <i>M85</i>	DOT-175			One per Quarter, per			
Vicat 17137   Chemical M85   Air Content 17137   Fineness M240   Autoclave M240   DOT-175   Compressive Strength M240   Vicat 17131   Chemical M240   Physical & Chemical ASTM C311			Compressive Strength M85	Ga175	10 lbs.	QPL-3			Stock	
Portland   Portland   Prozoclan   Fineness M240   DOT-175   Compressive Strength M240   DOT-175   Compressive Strength M240   Vicat 7131   Chemical M240   Physical & Chemical ASTM C311   Fineness M295   Dot-175   Compressive Strength M240   Physical & Chemical ASTM C311   Fineness M295   Dot-175   Soundness M295   Density M295   Gal175   Dot-175   Gradation 727   Coarse   Aggregate   Aggregate   Aggregate   Aggregate   Gradation 727   DOT-658   Ga658   Sibs.   Sibs.   Sibs.   Sources, par District   Stock or Conveyor Belt   Sources, par Dot-658   Sources, par Dot-65										
Pozzolan Cement Autoclave M240 Compressive Strength M240 Vicat T131 Chemical M240 Fly Ash Physical & Chemical ASTM C311 Fineness M295 Activity M295 Soundness M295 Density M295 Chemical			Chemical M85							
Cement Autoclave M240 Compressive Strength M240 Vicat T131 Chemical M240 Fly Ash Physical & Chemical ASTM C311 Fineness M295 Activity M295 Soundness M295 Density M295 Chemical M295 Che		Portland	Air Content <b>T137</b>		1	1	<u> </u>		†	
Compressive Strength M240 Vical 7131 Chemical M240 Fineness M295 Activity M295 Soundness M295 Density M295 Chemical M295 Chemica		Pozzolan	Fineness M240							
Vicat 7131		Cement	Autoclave <b>M240</b>	DOT-175						
Vicat T131   Chemical M240			Compressive Strength <b>M240</b>	Ga175						
Fine ness M295 Activity M295 Soundness M295 Density M295 Chemical M295 Coarse Aggregate  DOT-658 Ga658  DOT-										
Fineness M295 Activity M295 Soundness M295 Density M295 Chemical M295 Charge Wash 200 711 Gradation 727  DOT-658 Ga658  Fine Aggregate  Gradation 727  Sand Equivalent GD7-63 Wash 200 711  DOT-658 Ga658  DOT-658 GA658			Chemical <b>M240</b>							
Fineness M295 Activity M295 Soundness M295 Density M295 Chemical M295 Charge Wash 200 711 Gradation 727  DOT-658 Ga658  Fine Aggregate  Gradation 727  Sand Equivalent GD7-63 Wash 200 711  DOT-658 Ga658  DOT-658 GA658		Fly Ash	L	† - <del></del> -	t	1			†	
Activity M295 Soundness M295 Density M295 Chemical M295 DDT-658 Ga658  DOT-658 Ga658  DOT-6		•	,							
Activity M295 Soundness M295 Density M295 Chemical M295 DDT-658 Ga658  DOT-658 Ga658  DOT-6			Fineness <i>M295</i>							
Soundness M295 Density M295 Chemical M295 Coarse Aggregate Aggregate Aggregate  DOT-658 Ga658  Gradation T27  Fine Aggregate  Gradation T27  Gradation T27  Gradation T27  Sand Equivalent GDT-63 Wash 200 T11  DOT-658 Ga658  DOT-658				-	10 lbs.	QPL-30			Stock	
Density M295 Chemical M295 Coarse Aggregate  DOT-658 Ga658  Aggregate  DOT-658 Ga658  DOT-658 Ga			,	Ga175			Source, per District		1	
Chemical M295 Coarse Aggregate  Wash 200 711  Gradation 727  DOT-658 Ga658  DOT-6									1	
Coarse Aggregate  Wash 200 711  Gradation 727  DOT-658 Ga658  Ga658  Ga658  Ga658  Ga658  Ga658  DOT-658 Ga658  Ga			,						1	
Aggregate  Gradation 727  DOT-658 Ga658  Gradation 727  DOT-658 Ga658  DOT-658 Ga		Coarse	L	<del> </del>	t		H		†	
Sand Equivalent GDT-63 Wash 200 T11  DOT-658 Ga658		Aggregate	Gradation <b>727</b>		35 lbs.	based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be	month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section		Stock or Conveyor Belt	
Wash 200 711  DOT-658 Ga658  DOT-658 Sources; material from Section D, Stockpile Basis Sources; material from Section D must be sampled.  Stock or Conveyor Belt delivered from Section D		Fine Aggregate	Gradation <i>T27</i>		<del> </del>	1			†	
DOT-658 Ga658  DOT-658 Stockpile Basis Sources; material from Section D, Stockpile Basis Sources; material from Section D must be sampled.  DOT-658 Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section			Sand Equivalent <i>GDT-63</i>				, , ,		1	
DOT-658 Ga658  20 lbs.    Stockpile Basis   Sources; GDOT will   perform acceptance   tests on materials   delivered from Section   Stock or Conveyor Belt   Sampled.			Wash 200 <i>T11</i>						1	
						except for Section D, Stockpile Basis Sources; material from Section D must be	Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section		Stock or Conveyor Belt	
Water Quality of Water to be Used in Ga088 1 qt.* One per unpotable Concrete 726 Enough in advance so that results are known before use		Water		Ga088	1 qt.*	Source, per month			that results are known	*non-metal container
Air Entrainment Air-Entraining Admixtures for T152 1 qt. QPL-13 One per 6 months, per Admixtures Concrete M154 Source, per District Ready Mix Plant Stock				T152	1 qt.	QPL-13			Ready Mix Plant Stock	

						GUIDE FREQUENCY			
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <b>Number</b>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS
	Chemical Admixtures	Chemical Admixtures for Concrete <b>M194</b>	GACERT	1 qt.	QPL-14	One per 6 months, per Source, per District		Ready Mix Plant Stock	
	Deck Oil		GACERT	1 qt.	QPL-23	None		Stock	
602	1			. 4	1	111111111111111111111111111111111111111			
DOUBLEWALL	Complete Unit				Plant inspected by Ce	entral Lab Personnel or			
PRECAST WALL					Certified Wall I	Panel Inspector			
	Backfill	Theoretical Density GDT-24 or GDT-7 & GDT-67	Ga409		As needed to control the work				
		In-Place Density <i>GDT-21 or GDT-</i> 59	Ga553		One per day on continuous work		One per 20 days of wall placement, per Project	Completed Course	
		Gradation <i>T27</i>	DOT-658 <b>Ga658</b>		QPL-2	As needed			
	Joint Treatment		L	<b></b>	.1	J	J	J	L
	Plastic Filter Fabric – Woven	Tensile Strength ASTM D4632							
		Bursting Strength ASTM D3786	Misc. GACERT		QPL-28				Independent Assurance: sample occasionally
		Elongation ASTM D4632			1				
	L	Percent Open Area GDT-88			]				
	Plastic Filter Fabric –	Puncture Resistance <b>ASTM D4833</b>							
	Non-Woven	Grab Tensile Strength <b>ASTM</b>							
		D4632	Misc. GACERT		QPL-28				Independent Assurance: sample occasionally
		Grab Elongation ASTM D4632							
	L	Flowrate GDT-87			]				
	Rubber Bearing Pads	Hardness ASTM D2240	Misc. GACERT						
	Preformed Cork	Recovery ASTM D1752	[		]				
		Compression ASTM D1752	Misc.						
		Extrusion ASTM D1752	GACERT						
		HCI <b>ASTM D1752</b>							
	Bearing Pads	Dimensions			0 00 10		[	T	
		Compression Modulus	Misc.		Certified By  Manufacturer &				
		Shear Modulus	GACERT		inspected by Office of			Before placement	
		Tensile Strength <b>T244</b>			Materials & Research				
		Heat Aging <b>ASTM D573</b>							
	Concrete	Cylinder GDT-35 & T22	DOT-319 <b>T152</b>						
	Reinforced Con	crete Pipe	L	L	J	J	J	J	L
	Physical	Diameter <i>M170</i>			1				
	Properties of	Thickness <i>M170</i>	Ga164		QPL-4 with CPT Stamp				
	Pipe	Reinforcement Design M170			or pre-inspected by Central Lab with GDT				
		External Load Strength <i>T280</i>	OMR-INSP- 86		Stamp				
	Portland	Air Content <b>7137</b>			J				

						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
	Cement	Fineness M85							
		Autoclave <i>M85</i>	DOT-175						
		Compressive Strength M85	Ga175		QPL-3				
		Vicat <b>7131</b>							
		Chemical <i>M85</i>							
	Fly Ash	Fineness M295	<del> </del>	t	1				
		Activity M295							
		Soundness M295	DOT-175 <b>Ga175</b>		QPL-30				
		Density M295	- Ga1/5		1				
		Chemical M295							
	Fine Aggregate	Gradation <b>727</b>	T	1	1				
		Wash 200 <b>T11</b>			One per 500 tons	QPL-1 Sources, 1 per			
		Sand Equivalent GDT-63				month, per active plant,			
					based upon QPL-1,	except for Section D,			
			DOT-658	20 lbs.		Stockpile Basis Sources; GDOT will			
			Ga658	20 103.	Sources: material from	perform acceptance			
					Section D must be	tests on materials			
					sampled.	delivered from Section			
						D Sources.			
	Coorne	Wash 200 <b>T11</b>	<b></b>	<b> </b> -	<b></b>	L		<b></b>	
	L	Gradation <b>727</b>	=			QPL-2 Sources, 1 per			
		Gradation 121			One per 1,500 tons	month, per active plant,			
					based upon QPL-2,	except for Section D,			
			DOT-658		except for Section D,	Stockpile Basis			
			Ga658	s	Section D must be sampled.	Sources; GDOT will			
						perform acceptance tests on materials			
						delivered from Section			
						D Sources.			
	L	<u> </u>	<u> </u>	<u> </u>	l	L			
	Steel Wire for	Size M32M							
	Reinforcement	Diameter M32M	Reinforce-						
		Area <b>M32M</b>	ment Test		Certified Mill Test	Random sampling at			
		Tensile Strength <b>T244</b>	Report	1 ft	Report	Manufacturer			
		Yield Strength <b>T244</b>	Ga166		,				
		Area Reduction <b>T244</b>							
	L	Bend Test M32M	<b></b>	<del> </del>	<b></b>	L		<b> </b>	
	Welded Steel Wire Fabric for	Size M55M							
	Reinforcement	Diameter M55M							
	. Camorocinent	Area M55M	4						
		Tensile Strength <i>T244</i> Yield Strength <i>T244</i>	Welded						
		Area Reduction <b>7244</b>	Wire Test	1 ft <sup>2</sup>	ODL 55	Random sampling at			
		Bend Test <b>M55M</b>	Report	1 π⁻	QPL-55	Manufacturer			
		Weld Shear Strength <i>M55M</i>	Ga166						
		Width <i>M55M</i>							
		Length <i>M55M</i>							
		Spacing M55M	-						
Ţ	[s	Topacing Moon	4		J	<b>└</b>		<b>└</b> -	

						GUIDE FREQUENCY			
TYPE		TEST PROCEDURES	REPORT	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF	
ONSTRUCTION	MATERIAL	Name & <i>Number</i>	SM Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS
	Cylinders	Compressive Strength T22	Certification	3 ea.					
			T152			<u> </u>			
		Concrete Pipe							
	Physical	Diameter M86							
	Properties of	Thickness M86	Ga164			QPL-4 with CPT stamp			
	Pipe	Absorption M86	Ga 104			or pre-inspected by			
		Permeablity <b>M86</b>				Central Lab with GDT			
		External Load Strength <b>T280</b>	OMR-INSP- 86			stamp			
	Portland	Air Content <b>T137</b>	†	1				†	. — - — - —
	Cement	Fineness <i>M85</i>			1				
		Autoclave <i>M85</i>	DOT-175		ODL 0				
		Compressive Strength M85	Ga175		QPL-3				
	1	Vicat <b>7131</b>	7		1				
		Chemical <i>M85</i>							
	Fly Ash	Fineness M295	†	1				†	. — - — - —
	*	Activity M295							
		Soundness M295	DOT-175 — <b>Ga175</b>		QPL-30				
	,	Density M295	- Ga1/5						
		Chemical <b>M295</b>							
	Fine Aggregate	Gradation T27	+	1		[		<b>+</b>	
		Wash –200 <b>T11</b>				QPL-1 Sources, 1 per			
		Sand Equivalent GDT-63			One per 500 tons	month, per active plant,			
			DOT-658 <b>Ga658</b>	20 lbs.	based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	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>	<b>†</b>	† - <i>-</i>	1	[		<u> </u>	. — - —
	Aggregate	Gradation 727				QPL-2 Sources, 1 per			
			DOT-658 <b>Ga658</b>	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.			

						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
	Aggregate for Underdrain	Gradation 727	DOT-658 <b>Ga658</b>		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 test on materials delivered from Section D Sources.			
	Corrugated	Diameter <b>M196M</b>	<del> </del>			L		<b></b>	
	-	Depth & Spacing of Corrugations	-		-				
	Pipe	M196M							
		Thickness M197M	Misc.		OPI -56 & Pre-inspec	ted with CMPT or GDT			
		Arch Dimensions M196M	Ga164a		QPL-56 & Pre-inspected with CMPT or GDT tags				
		Chemical <b>M197M</b>			1	<b>5</b>			
		Tensile Strength <b>T244</b>							
		Yield Strength T244							
	L	Elongation <b>T244</b>	<u> </u>				- — - — - — - —	L	
	Corrugated	Diameter <b>M36M</b>							
	Steel Pipe	Depth & Spacing of Corrugations <b>M36M</b>	Misc.		ted with CMPT or GDT				
		Thickness M36M	Ga 164a		la	gs			
	G	Galvanization <i>M218M</i>			1				
		Diameter <b>M252M</b>	<u> </u>					T	
	Plastic Pipe	Depth & Spacing of Corrugations <b>M252M</b>							
		Thickness M252M	1						
		Stiffness ASTM D2412							
		Flattening <b>M252M</b>	Misc.		QPL-51				
		Elongation <i>M252M</i>	Ga164a		α. 2 σ .				
		Brittleness M252M							
		Flexibility <b>M252M</b>							
		Couplings <b>M252M</b>							
		Strength <i>M252M</i>	1		1				
	Reinforcing Ste		.L	l	.1	J		J	
	Steel Bars for	Number <i>M31M</i>	[		1				
	Reinforcement	Weight <b>M31M</b>	1		1				
		Dimensions <i>MM31</i>	1		1				
		Deformation Spacing <i>M31M</i>	Reinforce-		1				
		Height & Gap <i>M31M</i>	ment Test		ODI 40 0 CDI 64				
		Tensile Strength <b>T244</b>	Report		QPL-12 & QPL-61				
		Yield Strength <b>T244</b>	Ga166		1				
		Elongation <b>T244</b>	1		1				
		Bend Test <b>T285</b>	1		1				
		Chemical <i>M31M</i>	1		1				
	Steel Wire for	Size <b>M32M</b>	†		1		- — - — - — - —	T	
	Reinforcement	Diameter <i>M32M</i>	1		1				
		Area <i>M32M</i>	Reinforce-						
		Tensile Strength <b>T244</b>	ment Test Report		Certified Mill Test Report				

						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
		Yield Strength <b>T244</b>	Ga166		roport				
		Area Reduction <i>T244</i>	Gaibb						
		Bend Test <b>M32M</b>							
	Welded Steel	Size <i>M55M</i>	† - <del></del> -	†				<del> </del>	
	Wire Fabric for	Diameter <i>M55M</i>							
	Reinforcement	Area <b>M55M</b>							
		Tensile Strength <b>T244</b>							
		Yield Strength <b>T244</b>	Welded						
		Area Reduction <b>T244</b>	Wire Test		QPL-55				
		Bend Test <i>M55M</i>	Report Ga166						
		Weld Shear Strength <i>M55M</i>	Gaioo						
		Width <i>M55M</i>							
		Length <i>M55M</i>							
		Spacing <i>M55M</i>							
	Dowel Bars	Number <i>M31M</i>	T	T	1	[			
		Weight <b>M31M</b>	1						
		Dimensions <i>M31M</i>	1						
		Deformation Spacing M31M*							
			Reinforce-						*N/A for Plain Dowel Bars
		Height & Gap <i>M31M</i> *	ment Test						
		Tensile Strength T244	Report						
		Yield Strength <b>T244</b>	Ga166						
		Elongation T244							
		Bend Test T285							
		Chemical <b>M31M</b>							
		Coating <b>853.08</b>			QPL-43				
603									
RIP RAP		Soundness <b>T104</b>				Visual Inspection			Requires approval by Pit &
	from								Quarry
	Unapproved Source								
	Rip Rap (Stone)				QPL-2	Visual Inspection			
	from Approved Source								
	Source								
	Stone Filter Blanket	Sand Equivalent GDT-63	DOT						
	DIGITIEL	Soundness T104	DOT-658						
		Percent Wear <b>796</b> Gradation <b>727</b>	Ga658						
	Mombra	Gradation 121	<b></b>	<del> </del>	ODI 16 or 222	<del> </del>			
	Membrane Curing				QPL-16 <u>or</u> pre- inspected by Central				
	Compound				Lab Personnel				
	Portland	Physical & Chemical Analysis	<del> </del>	<del> </del>					
	Cement	M85							
	Comon	Air Content <b>T137</b>	-						
		Fineness M85	DOT-175						
		Autoclave M85	Ga175	20 lbs.	QPL-3				
		Compressive Strength <i>M85</i>	Ja 175						
		Vicat <b>T131</b>	-						
1	1	vicat 1131	J	I	I				

Water Fine A	r F Aggregate G V F	TEST PROCEDURES Name & Number Chemical M85 Physical & Chemical Analysis T26 Gradation T27 Wash -200 T11 Portland Cement Reaction GDT-5	REPORT SM Report Ga088	SIZE OF SAMPLE 1 qt.*	ACCEPTANCE  One per unpotable Source  One per 500 tons based upon QPL-2,	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING  Enough in advance so results are know before use	REMARKS *non-metal container
Fine A	r F Aggregate G V F	Physical & Chemical Analysis <b>726</b> Gradation <b>727</b> Wash -200 <b>711</b> Portland Cement Reaction <b>GDT-5</b>			Source One per 500 tons based upon QPL-2,			results are know before	*non-metal container
Fine A	Aggregate G V F	Gradation <b>727</b> Wash -200 <b>711</b> Portland Cement Reaction <b>GDT-5</b>			Source One per 500 tons based upon QPL-2,			results are know before	*non-metal container
	V F	Vash -200 <i>T11</i> Portland Cement Reaction <i>GDT-5</i>	Ga658	20 lbs	based upon QPL-2,				
	F	Portland Cement Reaction <i>GDT-5</i>	Ga658	20 lbe	based upon QPL-2,				
			Ga658	20 lbs					
	ic Filter IV			20 103.	except for Section D, Stockpile Basis Sources; materials from Section D must be sampled.			Stock	
		VovenTensile Strength ASTM							
Fabric			Misc. GACERT		QPL-28				
	F	Percent Open Area <i>GDT-88</i>	GACERI						
	E	Elongation ASTM D4632							
004									
604 RETAINED EARTH Wall Page 1	Panels		GACERT		l oe	PL-9			
WALL	aneis		GACLINI			Report (OMR-122)			
Soil Re	Reinforcing A	ASTM A82	GACERT		Pre-inspected by Ce	ntral Lab Personnel &			
Mesh	1				serially numbered	GDT tags attached			
Attachi Device	ces	,	GACERT		Certified Mill Test Report				Independent Assurance: sample occasionally
Concre		Compressive Strength <i>GDT-35</i> & C22	DOT-319 <b>T152</b>	2 cylinders	See NOTE 1		Observe 1 set per 750 yd <sup>3</sup>	0.	Cylinders to be broken in Branch or Central Lab
		NOTE 1: One set per each 50 yd <sup>3</sup>							
	а	pe fabricated for each cumulative 5 nother structure.	0 yd <sup>3</sup> or fracti	on thereof, of	concrete placed per wee	ek in each structure. Cyli	nders shall not be fabrica		
			DOT-168 <b>T152</b>	See <b>NOTE</b> 2	When cylinders are made		Observe 1 set per 750 yd <sup>3</sup>		Additional Slump test will be required when Water is added on Project
	<u> </u>	Slump GDT-27							
		Mix Temperature GDT-122							
	tl	NOTE 2: Air, Slump & Mix Temper hird load on Bridge Deck placemer	nt.	e all required	,	e & as judged necessary	to insure adequate contro	ols. Additional tests are rec	
Joint F	Fillers	As Specified	GACERT		Certified Mill Test Report				Independent Assurance: sample occasionally
Granul		Physical & Chemical Analysis <b>As</b> Specified	GACERT	45 lbs.	Approved by Central Lab Personnel			Prior to use	Requires approval by Pit & Quarry
		heoretical Density <b>GDT-24 or</b> GDT-7				As needed to control the work			
		n-Place Density <i>GDT-21 or GDT-</i> 59	DOT-553 <b>Ga553</b>		One per day on continuous work		One per 20 days of wall placement, per Project	Completed Course	

TYPE ONSTRUCTION MATERIAL MATE							OLUBE EDECLIENCY			
March   Marc	T) (D.E.		TEAT DROOFDURES		0175.05		GUIDE FREQUENCY	LUDEDENDENT		
Pitter Fabric   As Specified   GACERT   GPL-28   GACERT   STRAILED   STRAILED   Standard   Strain Fabric   Strain Fabric   Strain Fabric   Standard   Strain Fabric   Standard		MATERIAL		-		ACCEPTANCE				DEMARKS
OACERT OPIL-9 & Plant Shigning Report (OMR-122)	CONSTRUCTION				SAMPLE		ASSURANCE	ASSURANCE	SAMPLING	REWARKS
SCENERAL   STABLEZED   Sacrification   STABLEZED   School   STABLEZED   School   Stabilizing Method   Stabilizin		Filter Fabric	As Specified	GACERT		QPL-28				
STABLIZED EIGHANNMENT Stabilizing Mesh Stellizing Mesh MOTE 1: One set per each 507 yat of cate of Character Stellizing Mesh MOTE 2: One set per each 507 yat of one control Exhausted Stellizing Mesh MOTE 2: One set per each 507 yat of one control Exhausted Stellizing Mesh Act Chemical Fore Got Got Factor Mesh See NOTE 1152  DOT-188 See NOTE 1152  DOT-188 See NOTE 1152  NOTE 2: Ar. Stump & Mr. Temperature sets are all required when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least over when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least over when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least over when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least over when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least over when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least over when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least over when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least over when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least over Mesh years and the proposal desired of the proposal desired of the proposal desired of		h.,								
Steel Strap Connection   Steel Strap Connect		L		L	<b></b>		ing Report (OMR-122)			
Connection   Compressive Strength GD7-32   Compressive Strength GD7-35 & DOT-179   Connected and present strength GD7-35 & DOT-179   Connected and present strength GD7-35 & DOT-179   Connected and present strength GD7-37   Connected and present structure.   Connected and Dot-179   Connected			ASIM A82	GACERI						
Connection   Compressive Strength GD7-32   Compressive Strength GD7-35 & DOT-179   Connected and present strength GD7-35 & DOT-179   Connected and present strength GD7-35 & DOT-179   Connected and present strength GD7-37   Connected and present structure.   Connected and Dot-179   Connected								<u></u>		<b>_</b>
Control of			As Specified	GACERT						
Concrete Con		Connection			each size					
NoTE 1: One set per each 50 yell* of each class of Concrete placed daily for each structure, except for Concrete using in Bridge Curb. Handrail or Wall Coping. Two Concrete placed daily for each structure, except for Concrete using in Bridge Curb. Handrail or Wall Coping. Two Concrete placed in Bridge Curb. Handrail or Wall Coping. Two Coping on Factor Placed In Section Plac				507.040		J				
be fabricated for each cumulative 50 yd* or fraction thereof, of Concrete placed per week in each structure. Cylinders shall not be fabricated at one structure to represent Concrete placed another structure.  At Content GD7-26 or GD7-32		Concrete			2 cylinders	See NOTE 1		· ·	During pouring	
Air Content GDT-26 or GDT-32 Air Content GDT-27 Air Content GDT-122 Air Content GDT-123 Air Content GDT-124 Air Content GDT-125 Air Content GDT-126 Air Content GDT-126 Air Content GDT-127 Air Content GDT-126 Air Content GDT-127 Air			NOTE 1: One set per each 50 yd3	of each Clas	s of Concrete	placed daily for each stru	ucture, except for Concre	ete used in Bridge Curb, F	Handrail or Wall Coping. Tw	o Concrete cylinders shall
Air Content GDT-28 or GDT-32  Sump GDT-27  Mix Temperature GDT-122  NOTE 2: All Sump & MIx Temperature but third load on bridge deck placement.  Joint Filler  As Specified  Backfill  Physical & Chemical Analysis As Specified Theoretical Density GDT-24 or GDT-18-39  Backfill  Masonry Stone  More 2: All Sump Masonry Stone  More Stand Sump GDT-24 or GDT-18-39  Backfill  More Sum Mo				50 yd <sup>3</sup> or fract	ion thereof, o	f Concrete placed per we	ek in each structure. Cy	linders shall not be fabric	ated at one structure to repr	resent Concrete placed in
Source   S				T		1	1		Di	TA -1-124:1 Ol 44
Stump 6D7-27 Mix Temperature 6D7-122 MOTE 22, Ar, Stump & Mix Temperature tests are all required when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least even third load on bridge deck placement.  Joint Fillers  As Specified  As Specified  Physical & Chemical Analysis As Specified  Theoretical Density 6D7-24 or GD7-7 In-Place Density 6D7-24 or GD7-7 In-Place Density 6D7-21 or GD7-53 Soundess 7104 Visual Inspection  Mortar Sand  Gradation 727 Wash 200 711 Portland Physical & Chemical Analysis Aucuciave MBS Vical 7131 Chemical MBS Visual 17131 Chemical MBS Water  Physical & Chemical Analysis 726  Water  Physical & Chemical Analysis 726  Teleplace Density 6D7-22 or GD7-55 Teleplace deck, placement.  ACCERT Report Requires approval by F. Control Mill Test Report			Air Content GD1-26 or GD1-32					•	Placement site	be required when Water is
Mix Temperature (207-122 NOTE 2: Ar, Slump & Mix Temperature lests are all required when cylinders are made as judged necessary to insure adequate controls. Additional tests are recommended at least even third load on bridge deck placement.  Joint Fillers As Specified Sectified As Specified Report Repo			Slump CDT 27	1152	_					
NOTE 2: Air, Stump & Mix Temperature tests are all required when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least even third load on bridge deck placement.  Joint Fillers  As Specified  Backfill  Physical & Chemical Analysis As Specified  Theoretical Density GDT-24 or GDT-7  In-Place Density GDT-24 or GDT-7  In-Plac			<u>'</u>	-						
Mashing   State   Mashing   State   Mashing			'	ratura taste a	ro all required	when evlinders are made	2 on judged personal	to incure adequate centr	ole Additional tasts are rea	commanded at least every
Joint Fillers    As Specified    Backfill    Physical & Chemical Analysis As Specified    Theoretical Density GDT-24 or GDT-7    Tin-Place Density GDT-24 or GDT-7    Backfill    Prior to use    Requite approval by Fortrat    Lab Personnel    As needed to control the work    As needed to control the work    One per 20 days of wall placement, per Project    Density GDT-24 or GDT-7    Density GDT-24 or GDT-7    DOT-553    Ga553    One per day on continuous work    Dot on through work    Dot on per 20 days of wall placement, per Project    Stock    Tin Place Density GDT-24 or GDT-553    Ga553    Dot on through work    Dot on through work    Dot on per 20 days of wall placement, per Project    Don per 20 days of wall placement, per Project    Dot on per 20 day					e all required	when cylinders are made	e & as juugeu necessary	to insure adequate conti	ois. Additional tests are rec	oninended at least every
Specified   Lab Personnel   Lab Personnel   Lab Personnel   Lab Personnel   Lab Personnel   Country		Joint Fillers						]	]	Independent Assurance: sample occasionally
Theoretical Density GDT-24 or GDT-   Theoretical Density GDT-21 or Ga553		Backfill			45 lbs.				Prior to use	Requires approval by Pit &
In-Place Density GDT-21 or GDT-59   DOT-553   Ga553   Conper day on continuous work   Completed Course placement, per Project   Completed Course placement										,
RUBBLE MASONRY   Masonry Stone   Percent Wear 196   Soundness 7104   Misc.   100 lbs.			In-Place Density GDT-21 or GDT-				uio work		Completed Course	
RUBBLE MASONRY   Masonry Stone   Percent Wear 196   Soundness 7104   Misc.   100 lbs.										
Soundness 7104   Visual Inspection   Misc.   100 lbs.   If not on QPL-2, 1 per Source   Source   Source   Source   Source   Stock   If not on QPL-2, 1 per Source   If not on QPL-2, 1 per S		1			,	,	,			
Mortar Sand	RUBBLE MASONRY	Masonry Stone				If not on QPI -2 1 per				
Mortar Sand				Misc.	100 lbs.				Stock	
Wash 200 T11			J							<b>_</b>
Portland   Cement		Mortar Sand			20 lbs.	QPL-1				
Cement				Ga658				per Source		
Fineness M85						QPL-3				
Autoclave M85 Compressive Strength M85 Vicat T131 Chemical M85  Water Physical & Chemical Analysis T26  Total M85  Total			Air Content T137							
Autoclave M85 Compressive Strength M85 Vicat T131 Chemical M85  Water Physical & Chemical Analysis T26 Physical & Chemical Analysis T26  Table Physical & Chemical Ana			Fineness M85	DOT-175	00 lb-					
Vicat 7131 Chemical M85  Water Physical & Chemical Analysis 726 Physical & Chemical Analysis 726 Source Enough in advance so that results are known before use			Autoclave M85	Ga175	ZU IDS.					
Chemical <i>M85</i> Water Physical & Chemical Analysis <i>726</i> Source Enough in advance so that results are known before use										
Water Physical & Chemical Analysis 726 1 qt.* One per unpotable Source Enough in advance so that results are known before use				]						
Source that results are known before use										
		Water	Physical & Chemical Analysis <i>T26</i>		1 qt.*				that results are known	*non-metal container
	608	1				1	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
BRICK MASONRY	Clay or Shale	Specification Requirements M91,		10 Bricks	One set per 50,000			Material delivered to	
	Brick	Grade MA			bricks, per Source			Project	
	Concrete Brick	Specification Requirements		10 Bricks	One set per 50,000			Material delivered to	
		ASTM C55			bricks, per Source			Project	
	Brick	Size	Misc.	T					
		Absorption <b>732</b>	GACERT						
		Compressive Strength <b>T32</b>	CAULA						
	Mortar Sand	Gradation T27							
		Wash 200 <b>T11</b>	DOT-658				One per 10,000 yd <sup>3</sup> ,		
		Organics <b>721</b>	Ga658	20 lbs.	QPL-1		per Source	Stockpile	
		Mortar properties <i>T71</i>					por course		
		Durability <i>GDT-75</i>							
	Portland Cement	Physical & Chemical Analysis  M85 or M150, Type II							
		Air Content <b>T137</b>							
		Fineness M85	DOT-175	00 11: -	ODL 0				
		Autoclave <i>M85</i>	Ga175	20 lbs.	QPL-3				
		Compressive Strength M85							
		Vicat <b>7131</b>							
		Chemical <i>M85</i>			]				
	Water	Physical & Chemical Analysis <b>T26</b>	Ga088	1 qt.*	One per unpotable Source			Enough to advance so that results are known before use	*non-metal container
609									
EARTH WALL	Wall Panels		GACERT		QPL-9 & Plant Shipping				
REINFORCED					Report (OMR-122)				
	Reinforcing Tie		GACERT	2 straps @	Certified Mill Test				
	Straps			24"	Report				
	Granular Backfill	Physical & Chemical Analysis <b>As Specified</b>		45 lbs.	Approved by Central Lab Personnel			Prior to use	Requires approval by Pit & Quarry
		Theoretical Density GDT-21 or				As needed to control			,
		GDT-59				the work			
		In-Place Density GDT-21 or GDT-	DOT-553		One per day on		One per 20 days of wall	Completed Course	
		59	Ga553		continuous work		placement, per Project		
	Joint Fillers		GACERT		Certified Mil	Test Report			
	Concrete	, ,	DOT-319	2 cylinders	See NOTE 1		Observe 1 set per 750	During pouring	Cylinders to be broken in
		T22	T152				yd <sup>3</sup>		Branch or Central Lab
		NOTE 1: One set per each 50 yd3	of each Class	s of Concrete	placed daily for each stru	cture, except for Concre	te used in Bridge Curb, H	landrail or Wall Coping. Two	Concrete cylinders shall
		be fabricated for each cumulative 5	50 yd <sup>3</sup> or fract	ion thereof, o	f Concrete placed per we	ek in each structure. Cy	linders shall not be fabrica	ated at one structure to repr	esent Concrete placed in
		another structure.	T		1		1	Г	T
		Air Content GDT-26 or GDT-32							Additional Slump tests will
			DOT-168	See NOTE	When cylinders are		Observe 1 set per 750	Placement site	be required when Water is
		Slump GDT-27	T152	2	made		yd <sup>3</sup>		added on Project
		Mix Temperature GDT-122			and a second second	0 !!!	As in a constant of the in-	ala Addisiana di A	
		NOTE 2: Air, Slump & Mix Temper		re all required	when cylinders are made	& as judged necessary	to insure adequate contr	ols. Additional tests are rec	ommended at least every
		third load on bridge deck placemer	IL.						

						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
	Reinforcing				QP	L-12			
	Steel								
521									
CONCRETE	Concrete Ingred		i	i	1	1		1	•
BARRIER	Portland	Air Content <b>T137</b>							
	Cement	Fineness M85							
		Autoclave <i>M85</i>	DOT-175						
		Compressive Strength M85	Ga175						
		Vicat <b>T131</b>							
	L	Chemical <b>M85</b>	<b> </b>	ļ. —. — -		L		L	
	Portland	Air Content T137							
	Pozzolan	Fineness M240							
	Cement	Autoclave <b>M240</b>	DOT-175						
		Compressive Strength <b>M240</b>	Ga175						
		Vicat <b>T131</b>							
	L	Chemical M240	<b> </b>	ļ. —. — -		L		L	
	Fly Ash	Physical & Chemical <b>ASTM C311</b>							
		Fineness M295	DOT 475			0			
		Activity M295	DOT-175 <b>Ga175</b>	10 lbs.	QPL-30	One per Quarter, per Source, per District			
		Soundness M295	Gairs			Source, per District			
		Density M295							
		Chemical <b>M295</b>	7						
	Fine Aggregate	Gradation <i>T27</i>	<b></b>	1				T	
	Coarse	Sand Equivalent <i>GDT-63</i> Wash 200 <i>T11</i>	DOT-658 <b>Ga658</b>	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.			
						ODI 2 Causaa 4 sas			
	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	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.			
w	Water	Concrete <b>T26</b>	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 <b>M154</b>	T152	1 qt.	QPL-13	One per 6 months, per Source, per District		Ready Mix Plant Stock	<b>_</b>

						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
	Chemical	Chemical Admixtures for Concrete		1 qt.	QPL-14	One per 6 months, per		Ready Mix Plant Stock	
	Admixtures	M194		. 4	α	Source, per District		Trough mix riant otook	
	Deck Oil		GACERT						
	Steel Bars for	Number <i>M31M</i>							
	Reinforcement	Weight <b>M31M</b>							
		Dimensions <i>M31M</i>							
		Deformation Spacing M31M	Reinforce-						
		Height & Gap <i>M31M</i>	ment Test	2 pcs. @	QPL-12 & QPL-61	Random sampling at			
		Tensile Strength <b>T244</b>	Report	24" per size	QPL-12 & QPL-01	Fabricator			
		Yield Strength T244	Ga166						
		Elongation T244							
		Bend Test <b>T285</b>							
		Chemical <b>M31M</b>	L						
	Joint Fillers & S			 I	 I				
	Preformed Joint Filler		Misc. GACERT	10"	QPL-20			Stock	Sample in accordance with SOP-17
	Hot Pour Joint	Penetration GDT-62							
	Sealers	Flow GDT-62	Misc.		Pre-inspected by				
		Resilience GDT-62	GACERT	1 kit	Central Lab; 1 sample			Stock	
		Bond GDT-62			per shipment				
	<u></u>	Compatibility GDT-62				L		<b> </b>	
	Elastomeric	Cone Penetration GDT-15			Pre-inspected by			-	
	Polymer Type	Solubility <i>GDT-15</i> Resilience <i>GDT-15</i>	Misc.	4.1.9	Central Lab & Certified			0	
	John Compound	Flow GDT-15	GACERT	1 kit	Mill Test Report; 1			Stock	
		Bond <i>GDT-15</i>			sample per shipment			-	
	Preformed	Tensile Strength ASTM D412	<del> </del>			H		<b></b>	
	Elastic Joint Sealer	-							
	Gealei	Elongation at Break <b>ASTM D412</b>							
		Hardness ASTM D2240			Pre-inspected by				
		Oven Aging ASTM D573	Misc.		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	H		<b></b>	
	Urethane Joint	opcomeduon oos.oo	GACERT		Report				
		Tensile Stress ASTM D412				<u> </u>		<u> </u>	
		Hardness ASTM D2240							
		Bond GDT-106							
		Tack Free Time <i>GDT-106</i>							
		Extrusion GDT-106	Misc.		QPL-66 <u>or</u> 1 sample			Stock	
		Non-Volatile <i>GDT-106</i>	GACERT		per batch, per Type			J	

						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							
	L	Resistance ASTM C793	<b>.</b> - — - — - –	<b></b>	l	L		L	
		Density ASTM D1622			Pre-inspected by				
	-Rods	Tensile Strength ASTM D1623	Misc.	0.6	Central Lab & Certified			Otests	
		Water Absorption ASTM C1061	GACERT	6 ft	Mill Test Report; 1			Stock	
		Water Absorption ASTM C1001			sample per shipment				
	Bond Breakers	Thickness	Misc.	<del> </del> -	Certified Mill Test	<b></b>			
	–Таре		GACERT		Report				
		Specification 833.07	Misc.	1	Certified Mill Test				
	Bridge Deck		GACERT		Report				
	Joint Seal		ļ - — - —	l	<b> </b>	L			
			Misc. GACERT		Certified Mill Test				
	Propylene Diene Monomer for		GACERI		Report				
	Bridge Deck								
	Joint Seals								
	Polyurethane	Hardness <b>ASTM D2240</b>	<del> </del> -	<del> </del>		<b></b>			
	Sealant for	Tensile Strength ASTM D412	-		=				
	Inductive Loops		Mina						
		Elongation ASTM D412	Misc. GACERT		QPL-75				
		Flexibility	O/IOZIKI						
		Weather Resistance ASTM D822							
	Doct on a	0	<u> </u>	<b></b>	O - 425 - I MULTI-	L		<b></b>	
	Preformed Foam Joint Filler	Specification 833.10	Misc. GACERT		Certified Mill Test Report				
	r cam come i moi		O/IOZIKI		rtoport				
	Concrete	Strength <i>GDT-35 &amp; T22</i>	DOT-319	2 cylinders	See NOTE 1	<b></b>	Observe 1 set per 1500	During pouring operation	Cylinders to be tested in
			T152	'			yd <sup>3</sup>		Branch or Central Lab
		<b>NOTE 1:</b> One set per each 75 yd <sup>3</sup>	or fraction the	ereof placed o	daily, except for Concrete	barrier placed with slip fo	orm equipment. Two cylin	nders shall be fabricated for	each 150 yd <sup>3</sup> or fraction
		thereof placed daily.			<del>-</del>	·	<u>-</u>		
		Air GDT-26 or GDT-32							
		Slump GDT-27		See NOTE		Observe 1 set per 1500		During pouring operation	
				2		yd <sup>3</sup>		J F	
		Mix Temperature GDT-122				an induced managements if			
		NOTE 2: Air, Slump & Mix Temper	rature tests a	re required wh	nen cylinders are made &	as judged necessary to	insure adequate control.		