						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	
161										
WATER POLLUTION CONTROL (SOIL & EROSION)	Stream Water	Water Turbidity <i>GDT-109</i>	Ga152	As per GSP- 20	-After major rainfall <u>or</u> as requested by the Project Engineer					
163										
MISCELLANEOUS EROSION CONTROL	Lumber & Timber				Visual Inspection by Project Engineer					
	Concrete	Compression Strength GDT-35 & T22	DOT-319 <b>T-152</b>	2 cylinders	See NOTE 1		Observe 1 set per 750 yd <sup>3</sup>		Cylinders to be broken in Branch or Central Lab	
		NOTE 1: One set per each 50 ye shall be fabricated for each cumu placed in another structure.	d <sup>3</sup> of each Class of llative 50 yd <sup>3</sup> , or fra	Concrete pla action thereof	ced daily for each struct, of Concrete placed pe	ture, except for Concre r week in each structur	ete used in Bridge Curb, re. Cylinders shall not b	Handrail or Wall Coping. e fabricated at one structu	Two Concrete cylinders re to represent Concrete	
		Air Content GDT-26 or GDT-32	DOT	See <b>NOTE</b>	When cylinders are				*Additional Slump test will be required when	
		Slump GDT-27*	DOT-168 <b>Ga168</b>	2	made		Observe 1 per 750 yd <sup>3</sup>		Water is added on	
		Mix Temperature GDT-122							Project	
		NOTE 2: Air, Slump & Mix Tempevery third load on Bridge Deck p	erature tests are a placement.	ll required wh	nen cylinders are made	& as judged necessary	to insure adequate cor	trols. Additional tests are	recommended at least	
	Bituminous	Weight	DOT 100 D 100							
	Treated Roving	Certification	DOT-168 <b>Ga168</b>		QPL-24					
	Bituminous Material	Viscosity <b>759</b>		1 gal.	QPL-7			Before application		
	Erosion Contro	l Mats			1	<u> </u>		l		
	Straw	Width								
		Weight								
		Thickness	DOT-168 <b>Ga168</b>		QPL-62					
		Mesh Size								
		Stitch Pattern								
	Excelsior	Width								
		Weight			1					
		Thickness	DOT-168 <b>Ga168</b>		QPL-62					
		Mesh Size			1					
		Stitch Pattern			1					
	Coconut Fiber	Width	DOT-168 <b>Ga168</b>		QPL-62					

						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	
		Weight	<u></u>							
		Thickness	<u></u>							
		Mesh Size								
		Stitch Pattern								
		Width								
		Weight	DOT-168 <b>Ga168</b>		QPL-62					
		Mesh Size								
	Jute Mesh	Width								
		Weight	DOT-168 <b>Ga168</b>		Contractor Certificat	tion & Visual Inspection				
		Thread Count			1					
	Silt Fence		1	1				<u> </u>		
	Wood Post	Spacing								
		Length	DOT-168 <b>Ga168</b>			One section per				
		Area				—Project				
	Steel Post	Spacing								
		Shape	DOT-168 <b>Ga168</b>			One section per				
		Weight				Project				
	Woven Wire	Height								
		Vertical & Horizontal Spacing	_			One section per				
		Diameter	DOT-168 <b>Ga168</b>			Project				
		Number of Wires								
	Fasteners	Dimensions								
		Spacing	DOT-168 <b>Ga168</b>			One per Project				
		Tensile Strength ASTM D4632								
		-								
		Elongation ASTM D4632								
		AOS <b>ASTM D4751</b>	_							
		Flowrate <i>GDT-87</i>	DOT-168 <b>Ga168</b>		QPL-36	One per Project				
		Bursting Strength ASTM D3786			1					
		Width			1					
		Condition of Fabric			1					
164			<u> </u>	1		<u> </u>				

						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	
STRAW MULCH STABILIZATION	Mulch Material				Accepted by Project Personnel based on Visual Inspection					
171				•		'				
TEMPORARY SILT	Wood Post	Spacing								
FENCE		Length	DOT-168 <b>Ga168</b>		Visual Inspection	One per Project				
		Area								
	Steel Post	Spacing								
		Shape	DOT-168 <b>Ga168</b>		Visual Inspection	One per Project				
		Weight	DO1-100 Ga100		visual inspection	One per Project				
		Galvanization ASTM A123								
	Woven Wire	Height								
		Vertical & Horizontal Spacing								
		Diameter	DOT-168 <b>Ga168</b>		Visual Inspection	One per Project				
	Number of Wires	_								
		Galvanization ASTM A123								
	Fasteners	Dimensions	DOT-168 <b>Ga168</b>		Vieual Inapaction	One ner Dreiget				
		Spacing	DO1-100 Ga100		Visual Inspection	One per Project				
	Silt Fence Fabric	Tensile Strength ASTM D4632								
		Elongation ASTM D4632								
		AOS <b>ASTM D4751</b>	-							
		Flowrate <i>GDT-87</i>	DOT-168 <b>Ga168</b>		QPL-36	One per Project				
		Bursting Strength ASTM D3786								
		Width	-		_					
		Condition of Fabric	-							
205										
ROADWAY EXCAVATION		Theoretical Density <i>GDT-7 or GDT-67</i>					One per Project	Compacting)	Volume Change tests may be omitted on	
	ιορ)	Gradation GDT-4	DOT-408 <b>Ga408</b> / DOT-97 <b>Ga097</b>	30 lbs.	One per major soil Type				acceptance samples, except the first sample &	
		Volume Change GDT-6	DOT-97 Gaugi		l ype				each fifth sample	
		Classification Section 810							thereafter, which shall be	

						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
		In-Place Density GDT-20, GDT-21, GDT-55 & GDT-59	DOT-553 <b>Ga553</b>		One per 5,000 yd <sup>3</sup>		One per 60,000 yd <sup>3</sup>		submitted to the Branch or Central Lab for testing, unless provisions are made for testing on the Project. Percent Moisture is part of Density test procedure.
	Rock	Gradation <i>Visual</i> Abrasion <i>T96</i> Soundness <i>T104</i> Petrographic Analysis <i>ASTM C295</i>	DOT-658 <b>Ga658</b>		QPL-2				Requires approval by Pit & Quarry if not from QPL-2 Source
	Pond Sand	Gradation <b>727</b> Volume Change <b>GDT-6</b> Density <b>GDT-7 or GDT-67</b>	DOT-408 <b>Ga408</b> / DOT-97 <b>Ga097</b>						Requires approval by Pit & Quarry
206									
BORROW EXCAVATION	Soil	Gradation <i>GDT-4</i> Percent Clay <i>GDT-4</i> Volume Change <i>GDT-6</i> Density <i>GDT-7</i> or <i>GDT-67</i> Classification <i>Section 810</i>	DOT-408 <b>Ga408</b> / DOT-97 <b>Ga097</b>		Class II, B-3 or better				
207									
EXCAVATION & BACKFILL FOR MINOR STRUCTURES	Type I – Class I & II Soils	Gradation <i>GDT-4</i> Percent Clay <i>GDT-4</i> Theoretical Density <i>GDT-7</i> or <i>GDT-67</i> Volume Change <i>GDT-6</i> In-Place Density <i>GDT-20</i> , <i>GDT-21</i> , <i>GDT-55</i> & <i>GDT-59</i>	DOT-408 <b>Ga408</b> / DOT-97 <b>Ga097</b>	30 lbs.		One per major soil Type One per 500 yd <sup>3</sup> <u>or</u> 1 per 3 structures	One per Project	Before Compacting  Completed Course	Volume Change tests may be omitted on acceptance 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.

						GUIDE FREQUENCY				
T) (2.7		TEOT DDCCTDUDEC	DED057 415	0175.05			WIDEDE: 12 - 11 -	LOCATION CO TIME		
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	
		Traine di Traine		0/	7.0021 17.11.02	7.000.0.0.02	71000101102	57 IIII 2.110		
	Type II – Backfill Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga641</b> <b>Ga658</b>	45 lbs.	One per 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 – Soil/Organic				Notify Central Lab					
208										
EMBANKMENT		Theoretical Density <i>GDT-7 or GDT-67</i>			One per major soil		One per Project	Roadway (before Compacting)		
	ЮР)	Gradation GDT-4	DOT-408 <b>Ga408</b> / DOT-97 <b>Ga097</b>	30 lbs.	Туре				Volume Change tests	
		Volume Change GDT-6	DO1-97 <b>Gaus</b> 7						may be omitted on acceptance samples,	
		Classification Section 810							except the first sample &	
		In-Place Density GDT-20, GDT- 21, GDT-55 & GDT-59	DOT-553 <b>Ga553</b>		One per 5,000 yd <sup>3</sup>		One per 60,000 yd <sup>3</sup>		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. Percent Moisture is part of Density test procedure.	
		In-Place Density GDT-20, GDT- 21, GDT-55 & GDT-59	DOT 553	30 lbs.	1 per 10 ft of Fill at each Bridge End					
		Gradation Visual								
		Abrasion <b>796</b>							Requires approval by Pit	
		Soundness T104	DOT-658 <b>Ga658</b>		QPL-2				& Quarry if not from QPL-2 Source	
		Petrographic Analysis <b>ASTM C295</b>							WFL-2 Source	
	Pond Sand	Gradation <b>727</b>								
		Volume Change GDT-6	DOT-408 <b>Ga408</b> /	,					Requires approval by Pit	
		Density GDT-7 or GDT-67	DOT-97 <b>Ga097</b>						& Quarry	
209										

						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
SUBGRADE & SUBGRADE STABILIZATION	Subgrade (See <b>NOTE</b> )	Theoretical Density <i>GDT-7</i> or <i>GDT-67</i> Gradation <i>GDT-4</i>	Ga408 Ga495 Ga097 D2487	35 lbs.	One per 1,500 ft, per 2 lanes, per Lift		Occasionally for verification of Family of Curves	Compacting)	Remainder of the material, along with tests results, should be submitted to the Central Lab for soil supports & study
		Volume Change <i>GDT-6</i>	-						
		Classification <b>Section 810</b>							
	Projects.	required on County Projects on	Inly if selected mat	terials used	or if classification is re	equired to determine t			ALL State & Federal
	Select Material	Theoretical Density GDT-7 or GDT-67					One per 3 miles, per 2 lanes	Completed Lift	
		Gradation GDT-4	Ga408 Ga097	45 lbs.	One per 1,500 ft, per				
		Volume Change GDT-6			two lanes, per Lift				
		Classification Section 810							
	Stabilizer Aggregate – Types I & III	Gradation <b>727</b>	DOT-658 G <b>a658</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.	As required by Project Engineer	One per 15,000 tons for Unapproved Source <u>or</u> 200,000 tons for Approved Source	Stockpile or Roadway	
	In-Place Materia	In-Place Density <i>GDT-20, GDT-</i> 21, <i>GDT-55</i> & <i>GDT-59</i>	DOT-553 <b>Ga553</b>	45 lbs.	One per 1,500 ft, per 2 lanes		One per 3 miles, per 2 lanes	Completed Course	
	Bridge Approach	In-Place Density GDT-20, GDT- 21, GDT-55 & GDT-59	DOT 553	45 lbs.	One per side/each side				
	Type II –	Gradation <b>727</b>							
	Aggregate	Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	45 lbs.	One per 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		Stockpile or Roadway	

T PROCEDURES ame & Number  a GDT-4 Clay GDT-4 Change GDT-6 GDT-7 or GDT-67 tion Section 810 a T27 tivalent GDT-63	REPORT SM Report  DOT-408 Ga408 / DOT-97 Ga097	SIZE OF SAMPLE	ACCEPTANCE  Class II, B-3 or better	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
Clay GDT-4 Change GDT-6 GDT-7 or GDT-67 tion Section 810		,	-Class II B-3 or hatter					
Clay GDT-4 Change GDT-6 GDT-7 or GDT-67 tion Section 810		,	-Class II R-3 or better					
Change GDT-6 GDT-7 or GDT-67 tion Section 810		,	Class II R-3 or better					
tion Section 810		'	Class II B-3 or better					
tion Section 810	DO1-97 Ga097		Class II, D 5 of better					
1 <b>T27</b>			·					
ivalent GDT-63	DOT 050 0 050						Requires approval by Pit	
iivaiciil GD1-03	DOT-658 <b>Ga658</b>		Notify Central Lab				& Quarry	
		•						
GDT-4								
Clay <b>GDT-4</b>							Volume Change tests may be omitted on	
Change <i>GDT-6</i>	DOT-408 <b>Ga408</b> /	20 15-	One per 3 structures				acceptance samples &	
GDT-7 or GDT-67	DOT-97 <b>Ga097</b>	30 IDS.	or 1 per Project			- Before Compacting	each fifth sample thereafter shall be	
tion Section 810	1						submitted to Branch or ——Central Lab for testing,	
Density <b>GDT-20, GDT-</b> 55 & GDT-59	DOT-553 <b>Ga553</b>		One per 10 ft of backfill depth, per end bent		One per Bridge	Completed Course	unless provisions are made for testing on the Project.	
1 <b>T27</b>	DOT-658 <b>Ga658</b>	45 lbs.		As required by Project Engineer	One per Project	Stockpile		
GDT-4	1							
Clay <b>GDT-4</b>								
Change <i>GDT-6</i>	DOT-408 <b>Ga408</b> /	,	One per major Soil					
GDT-7 or GDT-67	DOT-97 <b>Ga097</b>		Type, Class I, A-2					
-	1		-					
tion <b>Section 810</b>	DOT-553 <b>Ga553</b>		One per 5,000 yd <sup>3</sup>		One per 60,000 yd <sup>3</sup>			
	7-7 or GDT-67	DOT-97 Ga097  DOT-97 Ga097  DOT-97 Ga097  DOT-97 Ga097  DOT-553 Ga553	7-7 or GDT-67 DOT-97 Ga097  DOT-97 Ga097  DOT-97 Ga097  DOT-97 Ga097	T-7 or GDT-67 DOT-97 Ga097 Type, Class I, A-2  DOT-97 Ga097 Type, Class I, A-2  DOT-97 Ga097 Type, Class I, A-2  One per 5,000 yd <sup>3</sup>	Type, Class I, A-2  Type, Class I, A-2  Type, Class I, A-2  One per 5,000 yd <sup>3</sup>	Type, Class I, A-2  DOT-97 Ga097  Type, Class I, A-2  Dot-97 Ga097  Type, Class I, A-2  One per 5,000 yd <sup>3</sup> One per 60,000 yd <sup>3</sup>	Type, Class I, A-2  Type, Class I, A-2  Type, Class I, A-2  One per 5,000 yd <sup>3</sup> One per 60,000 yd <sup>3</sup>	Type, Class I, A-2  Type, Class I, A-2  Type, Class I, A-2  One per 5,000 yd <sup>3</sup> One per 60,000 yd <sup>3</sup>

						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	
216										
UNPAVED SHOULDERS	Select Material & Impervious Material	Theoretical Density GDT-7, GDT-24, GDT-48, GDT-49 & GDT-67							Volume Change tests may be omitted on	
		Gradation GDT-4							acceptance samples, except the first sample &	
		Volume Change GDT-6	DOT-408 <b>Ga408</b> / DOT-97 <b>Ga097</b>	30 lbs.	One per mile, per shoulder			Commontion (Deloie	each fifth sample	
		Classification Section 810							thereafter, which shall be submitted to the Branch or Central Lab made for testing on the Project.	
		In-Place Density (Ungrassed) GDT-20, GDT-21 or GDT-59	DOT-553 <b>Ga553</b>		One per mile, per shoulder		One per Project	Completed Course	Ungrassed shoulders only	
	Soil	Gradation GDT-4								
		Percent Clay GDT-4	7							
		Volume Change GDT-6	DOT-408 <b>Ga408</b> /	,						
		Density GDT-7 or GDT-67	DOT-97 <b>Ga097</b>		Class II, B-3 or better					-
		Classification <b>Section 810</b>								
218										
BLANKET FOR FILL SLOPES	Plant Topsoil	Gradation <b>727</b>	DOT-658 <b>Ga658</b>							
		Organic Content			Approved by Office of	One sample per				
		Classification Section 810	DOT-408 <b>Ga408</b> / DOT-97 <b>Ga097</b>	30 lbs.	Materials & Research	proposed Source				
219										
CRUSHED	Graded	GDT-49	DOT 050 0-050	45.11	One per 1,500 tons	QPL-2 Sources, 1 per	QPL-2 Sources, 1 per	Destation		
AGGREGATE	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	45 lbs.		20,000 tons, except	200,000 tons, except	Roadway		

						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
SUBGRADE		Sand Equivalent <i>GDT-63</i>			Stockpile Basis Sources; material from Section D must be sampled.	for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.	for Section D, Stockpile Basis Sources; Section D Sources, 1 per 15,000 tons		
		Thickness Measurement <i>GDT-</i> 42			One per 1,500 ft, per 2		Observe 1 per 3 miles per 2 lanes	Completed Course	
		In-Place Density <i>GDT-21 or GDT-59</i>	DOT-553 <b>Ga553</b>		lanes		One per 3 miles, per 2 lanes	John Process	
		Bituminous Prime			QPL-7	One per Project			
221									
SPECIAL SUBGRADE		ograde Stabilization							
COMPACTION & TEST ROLLING			DOT-408 <b>Ga408</b> / DOT-97 <b>Ga097</b>	35 lbs.	One per 1,500 ft, per 2 lanes, per Lift		Occasionally for verification of Family of Curves	Compacting)	Remainder of the material, along with tests results, should be submitted to the Central Lab for soil supports & study
		Gradation GDT-4	•						
		Volume Change GDT-6	1						
		Classification Section 810	]						
	NOTE: Sample Projects.	required on County Projects of	nly if selected mat	erials used	or if classification is re	equired to determine t	hat selected material	is needed. Required on	ALL State & Federal
		Theoretical Density <i>GDT-7 or GDT-67</i>					One per 3 miles, per 2 lanes	Completed Lift	
		Gradation GDT-4	DOT-408 <b>Ga408</b> / DOT-97 <b>Ga097</b>	45 lbs.	One per 1,500 ft, per two lanes, per Lift				
		Volume Change GDT-6	20101		the laries, per Lift				
		Classification Section 810							

						GUIDE FREQUENCY				
			<del> </del>		1					
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	
CONCINCOTION	WWW.TERWAL	Traine a raine		O/ WIN ELE	710021 1711102	710001011102	710001111102	57 WH EH 10	TILIWI II II O	
	Stabilizer Aggregate – Types I & III	Gradation <b>T27</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.	As required by Project Engineer		Stockpile or Roadway		
	In-Place Material	In-Place Density <i>GDT-20, GDT-21, GDT-55</i> & <i>GDT-59</i>	DOT-553 <b>Ga553</b>	45 lbs.	One per 1,500 ft, per 2 lanes	2	One per 3 miles, per 2 lanes	Completed Course		
	Type II –	Gradation <b>727</b>								
	Aggregate	Sand Equivalent <i>GDT-63</i>	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.	As required by Project Engineer		Stockpile or Roadway		
	Soil	Gradation GDT-4								
		Percent Clay GDT-4	-							
		Volume Change <i>GDT-6</i>	DOT-408 <b>Ga408</b> /	,						
		Density GDT-7 or GDT-67	DOT-97 <b>Ga097</b>		Class II, B-3 or better					
		Classification Section 810	-							
	Type IV – Sand	Gradation <b>727</b>							Requires approval by Pit	
		Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>		Notify Central Lab				& Quarry	
222			<u>'</u>		<u> </u>					
AGGREGATE DRAINAGE COURSES	All Types of Aggregate for Drainage	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	45 lbs.	One per 1,000 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will	QPL-2 Sources, 1 per 200,000 tons, except for Section D, Stockpile Basis Sources; Section D Sources, 1 per 15,000 tons	·		

						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	
		Thickness Measurement <i>GDT-</i>	DOT-176 <b>Ga176</b>		One per 1,500 ft, per 2 lanes		One per 3 miles, per 2 lanes	Completed Course	When required	
225										
SOIL LIME	Soil	Gradation GDT-4								
CONSTRUCTION		Percent Clay GDT-4			Plant Mix Base: 1 per 1,000 yd3					
		Volume Change GDT-6	DOT-408 <b>Ga408</b> /	30 lbs.	Road Mix Base: 1 per			Before Lime is added		
		Density GDT-7 or GDT-67	DOT-97 <b>Ga097</b>	30 IDS.	2,000 ft Non-Base: 1 per Soil			before Lime is added		
		CBR <b>7193</b>			Туре					
	Hydrated Lime	Physical & Chemical Analysis <b>M216-84</b>	Misc. <b>Ga168</b>	1 qt.*	QPL-41	One per 2,000 tons, per Source		Stock	*air-tight container	
	Water	Physical & Chemical Analysis <b>726</b>	DOT-WATE Ga088	1 qt.*	One per unpotable Source			Enough in advance so that results are known before use	*non-metal container	
	In-Place Material	Theoretical Density GDT-19 (Lime in lieu of Cement)			One per Soil Type or 1 per compaction*			In-Place Material (before Compacting)	*Check if GDT-67 is used	
		In-Place Density GDT-20, GDT- 21 or GDT-59	DOT-553 <b>Ga553</b>	30 lbs.	One per 1,500 ft, per 2		One per 3 miles, per 2 lanes			
		Thickness Measurement <i>GDT-</i> <b>42</b>	DOT-176 <b>Ga176</b>		lanes, per Lift		Observe 1 per 3 miles, per 2 lanes	Completed Course		
301				<del>'</del>						
SOIL CEMENT CONSTRUCTION	Soil Cement Design	Gradation <i>GDT-4</i>			Plant Mix: 1 per 1,500 yd³ or tons Road Mix: 2 per mile					
		Theoretical Density GDT-19 or GDT-67			As necessary to insure adequate control			Before Cement is added	Job Mix Formula is	
		Percent Clay GDT-4	DOT-409 <b>Ga409</b>	30 lbs.					provided in the Proposal or in a letter	
		Volume Change GDT-6							u iii a iettei	
		Density GDT-7 or GDT-67								
		рН								
		Compressive Strength								
	Portland Cement		DOT-175 <b>Ga175</b>	1 gal.	QPL-3					

						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	
		Physical & Chemical Analysis <b>726</b>	DOT-WATE Ga088	1 qt.*	One per unpotable Source			Enough in advance so that the results are known before use	*non-metal container	
		Thickness Measurement <i>GDT-</i>	DOT-176 <b>Ga176</b>		One per 1,500 ft, per 2 lanes		Observe 1 per 3 miles, per 2 lanes			
		Compressive Strength of Cores GDT-86	DOT-308 <b>Ga308</b>	6" core	One per mile <u>or</u> 1 per day		Observe 1 per 5 miles	Completed Course		
		In-Place Density GDT-20, GDT- 21 or GDT-59	DOT-553 <b>Ga553</b>		One per 1,500 ft, per 2 lanes		Observe 1 per 3 miles, per 2 lanes			
		Bituminous Prime			QPL-7	One per Project				
	Plant Control	Mix Moisture			Every 400 tons or 1 per hour					
		Percent Cement Check			Minimum 1 per day					
302										
STABILIZED BASE	Sand	Gradation <i>GDT-4</i>	DOT-658 <b>Ga658</b>		One per Type, per Project			Stockpile or Roadway (before mixing)		
COURSE		Percent Clay GDT-4								
		Theoretical Density GDT-7 or GDT-67	DOT-408 <b>Ga408</b> / DOT-97 <b>Ga097</b>	30 lbs.	Established by Job Mix Formula			Before Bituminous Material is added		
		Classification Section 810	1							
	PG 64-22	Dynamic Shear <i>TP-5</i>	DOT-504M <b>Ga504M</b>	1 qt.	QPL-7	One per Project		Before mixing		
	RC-800		DOT-503 <b>Ga503M</b>	1 qt.	QPL-7	One per Project				
	Emulsified SS- 1h	Viscosity <b>T59</b>	DOT-325 <b>Ga325</b>	1 gal.*	QPL-7	One per Project		Before mixing	*non-metal container	
	Cationic Asphalt Emulsion	Viscosity, Particle Charge <b>759</b>	DOT-325 <b>Ga325</b>	1 gal.*	QPL-7	One per Project		Before mixing	*non-metal container	
	In-Place Material	Thickness Measurement <i>T191</i>	DOT-176 <b>Ga176</b>		One per 1,500 ft, per 2		One per 3 miles per 3			
		Density GDT-21 or GDT-59	DOT-553 <b>Ga553</b>		_One per 1,500 π, per 2 lanes		One per 3 miles, per 2 lanes	Completed Course		
303										

						GUIDE FREQUENCY				
<b>T</b> /2-		TEOT DDCC=5115=6		0175.05			INDEDE: SELE	1 00 A TION CO THE		
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	
				97 <u></u>	7.002. 77.102	, 10001.0.010	710001111102	J 2 (3	1121111111111	
TOPSOIL OR SAND		Gradation GDT-4								
CLAY CONSTRUCTION	Clay	Percent Clay GDT-4							Atterburg Limits, Density	
CONCINCOTION		Liquid Limit <b>789</b>							& Volume Change may	
		Plastic Limit T90	DOT-408 <b>Ga408</b> /	30 lbs.	One per 1,500 ft, per 2			Completed Course	be determined by use of GDT-112 on acceptance	
		Plastic Index <b>T91</b>	DOT-97 <b>Ga097</b>	30 108.	lanes, per layer			Completed Course	samples, except the first	
		Volume Change GDT-6							sample & each fifth	
		Density GDT-7 or GDT-67							sample thereafter.	
	Stabilizer Aggregate - Types I & III	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.	As required by Project Engineer	t	Stockpile or Roadway		
		Gradation <b>727</b>								
	Aggregate - Type II	Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	45 lbs.	One per 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	t			
	In-Place Material	Thickness Measurement <i>GDT-</i>	DOT-176 <b>Ga176</b>		One per 1,500 ft, per 2		One per 3 miles, per 2			
		In-Place Density <i>GDT-20, GDT-21 or GDT-59</i>	DOT-553 <b>Ga553</b>		lanes		lanes	Completed Course		
	Bituminous Prime				QPL-7					
304				<b>—</b>						
IMPERVIOUS AGGREGATE CONSTRUCTION	00 0	Gradation <i>GDT-4</i> & <i>GDT-13</i> Volume Change <i>GDT-6</i> Liquid Limit <i>T89</i>	DOT-658 <b>Ga658</b>	45 lbs.	One per 1,500 tons		One per 3 miles, per 2	In-Place (prior to	Verification of acceptable designation must be made through the Office	
	Liquid Limit <b>789</b> Plastic Limit <b>790</b>	Plastic Limit <b>T90</b>					101100	Compaction)	of Materials & Research	
		Plastic Index <b>T90</b>								

						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			1		1	1			
		Soil Aggregate Cement Design			Issued by Central Lab					
	In-Place Compacted Course	42	DOT-176 <b>Ga176</b>		One per 1,500 ft, per 2		One per 3 miles, per 2 lanes	Completed Course		
	Course	In-Place Density GDT-21 or GDT-59	DOT-553 <b>Ga553</b>		lanes, per Lift		lanes	Completed Course		
305				•						
CEMENT	Soil	Gradation GDT-4								
STABILIZED SOIL AGGREGATE		Volume Change <i>GDT-6</i>	DOT-408 <b>Ga408</b> /				One per 3 miles, per 2			
CONSTRUCTION		Density GDT-7	DOT-97 <b>Ga097</b>				lanes			
	Aggregate	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</i>	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.	for Section D, Stockpile Basis, Sources, GDOT will	QPL-2 Sources, 1 per 200,000 tons, except for Section D, Stockpile Basis, Sources; Section D Sources, 1 per 15,000 tons			
		Soil Aggregate-Cement Design			Issued by Central Lab					
	Portland Cemen	t Physical & Chemical Analysis <b>M85</b>								
		Fineness ASTM C204	DOT-658 <b>Ga658</b>	20 lbs.	QPL-3	One per Quarter		Stock		
		325 Sieve <b>ASTM C430</b>								
	Cores	Compressive Strength GDT-86	Ga386	6" cores	One per mile, per 2 lanes				Submit to Central or Branch Lab	
	Water	Physical & Chemical Analysis <b>726</b>	Ga088	1 qt.*	One per unpotable Source			Enough in advance so that results that are known before use	*non-metal container	
	Plant Control	Mix Moisture			One per hour					
		Percent Cement Check			One per day <u>or</u> as necessary to control plant					

						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	
	In-Place Compacted Course		DOT-553 <b>Ga553</b>		One per 1500 ft, per 2 lanes, per Lift		One per 3 miles, per 2 lanes			
310			•		•	<b>'</b>				
GRADED	Graded	Gradation <b>T27</b>								
AGGREGATE CONSTRUCTION	Aggregate – Group 1 or 2	Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	45 lbs.	based upon QPL-2,	for Section D, Stockpile Basis Sources; GDOT will	QPL-2 Sources, 1 per 200,000 tons, except for Section D, Stockpile Basis Sources; Section D Sources, 1 per 15,000 tons	Roadway		
		Theoretical Density <i>GDT-49</i>			Established before beginning construction*				*GDT-45	
		Gradation <b>727</b>								
	Limerock Base	Theoretical Density <i>GDT-49</i> Limerock Bearing Ratio <i>Florida DOT Method &amp; FM 5-515</i>		200 lbs.	based upon QPL-2, except for Section D, Stockpile Basis	for Section D, Stockpile Basis Sources; GDOT will	QPL-2 Sources, 1 per 200,000 tons, except for Section D, Stockpile Basis	Roadway	Every 4th sample shall be sent to Central Lab to be tested for GDT-49, FM 5-515 and ASTM D	
		Total Carbonates (Insoluable Residue) <i>ASTM D3042</i>			Sources; material from Section D must be sampled.		Sources; Section D Sources, 1 per 15,000 tons		3042. All other samples are to be subjected to AASHTO T27 only	
	In-Place Material	Thickness Measurement <i>GDT-</i>	DOT-176 <b>Ga176</b>		One per 1,500 ft, per 2		One per 3 miles, per 2	Completed Course		
		In-Place Density GDT-21 or GDT-59	DOT-553 <b>Ga553</b>		lanes		lanes	Completed Course		
		In-Place Density GDT-21 or GDT-59	DOT 553	45 lbs.	1 per side of Bridge each lift					
	Bituminous Prime	Viscosity		1 qt.	QPL-7					
316				<b>'</b>						
CEMENT	Aggregate	Gradation <b>T27</b>	DOT-658 <b>Ga658</b>	45 lbs.	One per 1,500 tons	QPL-2 Sources, 1 per	QPL-2 Sources, 1 per	Belt (before Cement is		

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT <b>SM</b>	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
STABILIZED GRADED		Sand Equivalent <i>GDT-63</i>			based upon QPL-2, except for Section D,	20,000 tons, except for Section D,	200,000 tons, except for Section D,	added)		
AGGREGATE		Percent Wear <b>T96</b>			Stockpile Basis	Stockpile Basis	Stockpile Basis			
					Sources; material from Section D must be		Sources; Section D Sources , 1 per			
					sampled.	test on materials	15,000 tons			
						delivered from Section D Sources.				
						D Sources.				
		Physical & Chemical Analysis	GACERT	20 lbs.	QPL-3	One per 10,000		Stock		
		M85				barrels, per Source				
	Water	Physical & Chemical Analysis <b>T26</b>	Ga088	1 qt.*	One per unpotable Source			Enough to advance so results are known before	*non-metal container	
					000.00			use		
	In-Place Material	Thickness Measurement <b>GDT</b> -	DOT-176 <b>Ga176</b>							
		42			One per 1,500 ft, per 2	) )	One per 3 miles, per 2			
		In-Place Density GDT-21 or	DOT-553 <b>Ga553</b>		lanes		lanes			
		GDT-59						Completed Course		
		Compressive Strength GDT-86		6" core	One per mile, per 2 lanes					
	D'1		O A OFFIT	4						
	Bituminous Prime		GACERT	1 qt.	QPL-7					
	Plant Control	Mix Moisture			Minimum 2 per day					
		Percent Cement Check			Willimum 2 per day					
317										
RECONSTRUCTED BASE / SUBBASE	In-Place Material	As Specified	DOT-408 <b>Ga408</b> / DOT-97 <b>Ga097</b>			See Plans or	Proposal for Type of M	aterial		
27.027.0027.02					Test P	rocedures shall conform	to the requirements fo	r the Material specified.		
						Section 30	1, Soil Cement Construc	ction		
						Section 302, Sand	<b>Bituminous Stabilized E</b>	Base Coarse		
							psoil or Sand Clay Con Graded Aggregate Cons			
						·				
318										
SELECTED	Topsoil, Sand,	Gradation <b>GDT-4</b>	DOT 400 0-400 /			1		After missing but before		
MATERIAL	l '	Percent Clay GDT-4	DOT-408 <b>Ga408</b> / DOT-97 <b>Ga097</b>	30 lbs.	One per 1,500 ft			After mixing but before Compaction		
			1	1			<u> </u>		<u>l</u>	

						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	
					T					
SURFACE COURSE		Liquid Limit <b>T89</b>								
		Plastic Limit <b>T90</b>								
		Plastic Index <b>T91</b>								
		Volume Change <i>GDT-6</i>								
		Density GDT-7 or GDT-67								
	Graded Aggreg	<u>ate</u>								
	Aggregate	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	45 lbs.	One per 1,500 tons based upon QPL-2,	for Section D, Stockpile Basis Sources; GDOT will perform acceptance	QPL-2 Sources, 1 per 200,000 tons, except for Section D, Stockpile Basis Sources; Section D Sources, 1 per 15,000	Roadway		
		Theoretical Density <i>GDT-49</i>			Established before beginning construction*				*GDT-45	
	In-Place Materia	Thickness Measurement <i>GDT-</i>	DOT-176 <b>Ga176</b>		One per 1,500 ft, per 2		One per 3 miles, per 2	0 11 10		
		In-Place Density GDT-21 or GDT-59	DOT-553 <b>Ga553</b>		lanes		lanes	Completed Course		
	Bituminous Prime	Viscosity		1 qt.	QPL-7					
	Coarse Aggrega	ate .	•	•	•	•	•			
	Stabilizer Aggregate - Types I & III	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	45 lbs.		Engineer	One per 1,500 tons for Unapproved Source; 200,000 for Approved Source	Stockpile or Roadway (prior to spreading)		
	Stabilizer	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	45 lbs.	One per 500 tons	As required by Project	One per 1,500 tons for	Stockpile or Roadway		

						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 - Type II	Sand Equivalent <i>GDT-63</i>			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	Engineer	Unapproved Source; 200,000 for Approved Source	(prior to spreading)		
		Thickness Measurement <i>GDT</i> -42	Ga176		One per 2 miles			Completed Course	*When required	
319										
LIME-FLY ASH SOIL CONSTRUCTION	In-Place Material	Theoretical Density <i>GDT-19</i>	Ga553	20 lbs.	Established before beginning construction			Before Lime Fly Ash is added		
		In-Place Density <i>GDT-20</i>			One per 1,500 ft, per 2 lanes		One per 3 miles, per 2 lanes			
		Thickness Measurement <i>GDT</i> -42	DOT-176 <b>Ga176</b>					Completed Course		
	Fly Ash		DOT-175 GACERT	10 lbs.	QPL-30					
325				<u> </u>						
STABILIZED BASE MATERIAL FOR PATCHING	Soil Cement Material - Category A	Gradation <i>GDT-4</i>		25 lbs.	One per 1,500 tons			Before Cement is added		
	Graded	Gradation <b>727</b>								
	Aggregate	Volume Change <i>GDT-6</i>		1		QPL-2 Sources, 1 per				
		Sand Equivalent <i>GDT-63</i>		45 lbs.	One per 1,500 tons based upon QPL-2,	20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will	QPL-2 Sources, 1 per 200,000 tons, except for Section D, Stockpile Basis Sources; Section D Sources, 1 per 15,000	Belt (before Cement is added)		
	Portland Cement	Physical & Chemical Analysis <b>M85</b>		10 lbs.	QPL-3	One per 2,000 tons		Stock		
		Viscosity T201 (Cutback Asphalt)	DOT-325 <b>Ga325</b>		QPL-7					

						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	
	•		•			•				
		Viscosity T72 (Cutback Asphalt Emulsion)								
	In-Place Material	In-Place Density GDT-20, GDT- 21 or GDT-59			As necessary for adequate control			Completed Course		
		Gradation GDT-4								
	Design	Percent Clay GDT-4								
		Volume Change <i>GDT-6</i>			- Plant Mix: 1 per 1,500					
		Density GDT-7 or GDT-67	DOT-409 <b>Ga409</b>		yd <sup>3</sup> or tons  Road Mix: 2 per mile					
		pH								
		Compressive Strength			-					
	Stabilizer Aggregate – Types I & III	Gradation <b>727</b>	DOT-658 <b>Ga658</b>			As required by Project Engineer				
	Stabilizer	Gradation <b>727</b>								-
	Aggregate – Type II	Sand Equivalent <i>GDT-63</i>	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.	As required by Project Engineer				
	Soil	Gradation GDT-4								
		Percent Clay GDT-4								
		Volume Change <i>GDT-6</i>	DOT-408 <b>Ga408</b> /	,						
		Density GDT-7 or GDT-67	DOT-97 <b>Ga097</b>							
		Classification <b>Section 810</b>								
	Type IV - Sand	Gradation <b>T27</b>	DOT-658 <b>Ga658</b>							
		Sand Equivalent GDT-63								
326										
PORTLAND	Concrete	Air Content GDT-26	T152		One per 2,000 yd <sup>3</sup> ,		One per 20,000 yd <sup>3</sup>	During pouring operation		

						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	T	1	1	1	I	T		
CEMENT CONCRETE SUB- BASE		Slump <i>GDT-27</i>			per day		Observe 1 per 2,000 yd <sup>3</sup>			
DAGE		Thickness Field Control			One per 250 ft, per 2 lanes		Observe 1 per 20 days operation			
		Compressive Strength GDT-35	DOT-319	6" X 12" cylinder		Two sets per week of operation	Observe 2 sets per 20 days operation			
	Graded	Gradation <b>T27</b>								
	Aggregate	Sand Equivalent <i>GDT-63</i>	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.	perform acceptance	QPL-2 Sources, 1 per 200,000 tons, except for Section D, Stockpile Basis Sources; Section D Sources, 1 per 15,000 tons	Stockpile		
	Coarse Aggregate	Gradation <b>T27</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.	10,000 tons, except for Section D, Stockpile Basis Sources; GDOT will	QPL-2 Sources, 1 per 100,00 tons, except for Section D, Stockpile Basis Sources; Section D Sources, 1 per 10,000 tons	Belt or Stockpile		
	Fine Aggregate	Gradation <b>T27</b>								
	i ine Aggregate	Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	20 lbs.	One per 1,500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	for Section D, Stockpile Basis Sources, GDOT will	Sources; Section D Sources, 1per 10,000	Belt or Stockpile		
	Fly Ash	Fineness M295								
		Activity <b>M295</b>	DOT-175 <b>Ga175</b>	10 lbs.	One per 400 tons					
		Soundness M295	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				_	1	1			
		Density M295								
		Chemical <b>M295</b>								
	Portland Cement	Air Content <b>M85</b>								
		Fineness <i>M85</i>								
		Autoclave <i>M85</i>	DOT 475 0-475	40 11-	ODL 0	0				
		Compressive Strength M85	DOT-175 <b>Ga175</b>	10 lbs.	QPL-3	One per 2,000 tons				
		Vicat <b>T131</b>								
		Chemical <i>M85</i>								
400										
HOT MIX ASPHALTIC	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504 <b>Ga504</b>	1 qt.	QPL-7	As per GSP-21		Storage Tank		
CONCRETE	Coarse	Wash 200 <i>T11</i>								
	Aggregate for	Gradation <b>727</b>								
	Asphaltic Concrete		DOT-658 <b>Ga658</b>	45 lbs.	QPL-2	As necessary		Stockpile		
	Fine Aggregate	Gradation <i>T11 &amp; T27</i>								
	for Asphaltic	Clay Lumps T1121								
	Concrete	Sand Equivalent GDT-63	DOT-658 <b>Ga658</b>	20 lbs.	QPL-1	As necessary		Stockpile		
		Mica Content								
	Mineral Filler	Gradation T11 & T27	DOT-168 <b>Ga168</b>	10 lbs.	QPL-81	One per 500 tons, per Type, per Source	One per Project	Silo		
	In-Place Material	Thickness Measurement <i>GDT-</i>	DOT-176 <b>Ga176</b>		One per 1,000 ft, per 2 lanes	Observe 1 per 3 miles, per 2 lanes		Completed Course		
		Physical & Chemical Analysis <b>M216-84</b>							*air-tight container	
		Gradation <b>T219</b>		1 qt.*	QPL-41	One per Quarter		Silo or Tanker	As required by COD 47	
		Chemical <b>T219</b>		†					As required by SOP-17	
	Release Agent	Slide & Soak Test <i>GDT-113</i>		1 qt.	QPL-39	One per Quarter		Nozzle of Delivery System		
		Extractions <i>T11</i> , <i>GDT-38</i> , <i>GDT-73</i> , <i>GDT-83</i> or <i>GDT-125</i>	DOT-387 <b>Ga387</b> <b>Ga159-5</b>	Varies per Mix Type	tons	Two QA samples per 5 days production or 5 lots; 1 comparison sample per 10 days	One per 10 days of production or 8,000 tons	•	AASHTO T308 (Method A)	

						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	
		Stripping Test <i>GDT-56</i>		300 g	One per Extraction (Open-Graded 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, GDT-59 or GDT-73	DOT-386 <b>Ga386</b> <b>Ga386T</b>	Core	Five per Lot*		One per 10 lots, per Mix, consisting of 5 individual comparison tests		Small quantities may be accepted with less Compaction tests  *Each test consists of 3 readings when Nuclear Gauge is used to determine Density	
		Smoothness	Ga656							
402										
HOT MIX RECYCLED ASPHALTIC	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504 <b>Ga504</b>	1 qt.	QPL-7	As per GSP-21		Storage Tank		
CONCRETE		Wash 200 <b>T11</b>								
	Aggregate for Asphaltic Concrete	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	45 lbs.	QPL-2	As necessary		Stockpile		
		Gradation T11 & T27								
	for Asphaltic Concrete	Clay Lumps <i>T1121</i>	DOT-658 <b>Ga658</b>	20 lbs.	QPL-1	As necessary		Stockpile		
		Sand Equivalent <i>GDT-63</i>	DO1-030 Ga036	20 lbs.	QPL-1	As necessary		Stockpile		
		Mica Content								
	Mineral Filler	Gradation <i>T11 &amp; T27</i>	DOT-168 <b>Ga168</b>	10 lbs.	QPL-81	One per 500 tons, per Type, per Source	One per Project	Silo		
		Thickness Measurement <i>GDT-</i> 42	DOT-176 <b>Ga176</b>		One per 1,000 ft, per 2 lanes	Observe 1 per 3 miles, per 2 lanes		Completed Course		
		Physical & Chemical Analysis <i>M216-84</i>			051.44			0.1.	*air-tight container	
		Gradation T219		1 qt.*	QPL-41	One per Quarter		Silo or Tanker	As required by SOP-17	
		Chemical <b>T219</b>							7,	

						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	
	Relase Agent	Slide & Soak Test <i>GDT-113</i>		1 qt.	QPL-39	One per Quarter		Nozzle of Delivery System		
	Complete Recycled Mixture	Extractions <i>T11</i> , <i>GDT-38</i> , <i>GDT-73</i> , <i>GDT-83</i> or <i>GDT-125</i>	Ga159-5	Varies per Mix Type	Minimum 1 per 500 tons	Two QA samples per 5 days production or 5 lots; 1 comparison sample per 10 days	One per 10 days of production or 8,000 tons		AASHTO T308 (Method A)	
		Abson Recovery <i>GDT-119</i>		-	One at beginning of Project					
			DOT-386 <b>Ga386</b> <b>Ga386T</b>	Core	Five per lot*		One per 10 lbs., per Mix, consisting of 5 individual comparison tests	·	Small quantities may be accepted with less Compaction tests  *Each test consists of 3 readings when Nuclear Gauge is used to determine Density	
403										
HOT IN-PLACE RECYCLED ASPHALTIC CONCRETE	Asphalt Cement Rejuvenation Agent	ASTM D4552			Supplier Certification					
	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504 <b>Ga504</b>	1 qt.	QPL-7	One per 75,000 gal., per Source		Before mixing		
	Hot Mix Asphalt	tic Concrete	L	I.	_L	L	l	I		
	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504 <b>Ga504</b>	1 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 <b>Ga658</b>	45 lbs.	QPL-2	As necessary		Stockpile		
		Gradation T11 & T27								
	for Asphaltic Concrete	Clay Lumps T1121						1		
	Concrete	Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	20 lbs.	QPL-1	As necessary		Stockpile		
		Mica Content						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
	Mineral Filler	Gradation T11 & T27	DOT-168 <b>Ga168</b>	10 lbs.	QPL-81	One per 500 tons, per Type, per Source	One per Project	Silo	
	In-Place Material	Thickness Measurement <i>GDT-</i> 42	DOT-176 <b>Ga176</b>		One per 1,000 ft, per 2 lanes		Observe 1 per 3 miles per 2 lanes	Completed Course	
	Hydrated Lime	Physical & Chemical Analysis <i>M216-84</i>							*air-tight container
		Gradation <b>T219</b>		1 qt.*	QPL-41	One per Quarter		Silo or Tanker	As required by SOP-17
		Chemical <b>T219</b>						-	As required by SOF-17
	Complete Mixture	Extractions <i>T11,GDT-38, GDT-73, GDT-83</i> or <i>GDT-125</i>	DOT-387 <b>Ga387</b> <b>Ga159-5</b>	Varies per Mix Type	Minimum 1 per 500 tons	5 days production or 5	One per 10 days of production or 8,000 tons	Truck or Roadway	AASHTO T308 (Method A)
		Stripping Test <i>GDT-56</i>		300 g	One per Extraction (Open-Graded 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, GDT-59 or GDT-73	DOT-386 <b>Ga386</b> <b>Ga553</b>	Core	Five per Lot*		One per 10 lots, per Mix, consisting of 5 individual comparison tests	·	Small quantities may be accepted with less Compaction tests  *Each test consists of 3 readings when Nuclear Gauge is used to determine Density
	Hot Mix Recycle	ed Asphaltic Concrete							1
		Dynamic Shear <i>TP-5</i>	DOT-504 <b>Ga504</b>	1 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 <b>Ga658</b>	45 lbs.	QPL-2	As necessary		Stockpile	
	Fine Aggregate	Gradation T11 & T27	DOT-658 <b>Ga658</b>	20 lbs.	QPL-1	As necessary		Stockpile	

						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	
	Concrete	Clay Lumps <i>T1121</i> Sand Equivalent <i>GDT-63</i> Mica Content								
		Gradation <i>T11 &amp; T27</i>	DOT-168 <b>Ga168</b>	10 lbs.	QPL-81	One per 500 tons, per Type, per Source	One per Project	Silo		
		Thickness Measurement <i>GDT-</i>	DOT-176 <b>Ga176</b>		One per 1,000 ft, per 2 lanes	Observe 1 per 3 miles, per 2 lanes		Completed Course		
		Physical & Chemical Analysis <i>M216-84</i>		-1 at *	QPL-41	One per Quarter		Silo or Tanker	*air-tight container	
		Gradation <b>T219</b> Chemical <b>T219</b>		1 qt.*	QFL-41	One per Quarter			As required by SOP-17	
		Extractions <i>T11</i> , <i>GDT-38</i> , <i>GDT-73</i> , <i>GDT-83</i> or <i>GDT-125</i>	DOT-387 <b>Ga387</b> <b>Ga159-5</b>	Varies per Mix Type	Minimum 1 per 500 tons	Two QA samples per 5 days production or 5 lots; 1 comparison sample per 10 days	One per 10 days of production or 8,000 tons		AASHTO T308 (Method A)	
		Abson Recovery <i>GDT-119</i>			One at beginning of Project					
		Compaction GDT-39, GDT-59 or GDT-73	DOT-382 <b>Ga382</b>	Core	Five per lot*		One per 10 lbs., per Mix, consisting of 5 individual comparison tests	·	Small quantities may be accepted with less Compaction tests  *Each test consists of 3 readings when Nuclear Gauge is used to determine Density	
	Virgin Aggregate		DOT-658 <b>Ga658</b>	35 lbs.	QPL-1 or QPL-2	As Needed	Not Required			
		Wash 200 <b>T11</b> Density, Stability & Flow <b>T245</b>	DOT-658 <b>Ga658</b>				·			
	,	Maximum Theoretical Gravity <b>T209</b>								
		Extractions GDT-38 & GDT-83						One per day		
		Abson Recovery <i>GDT-119</i> Penetration <i>T49</i>								

						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	
Γ	Γ	Damand Maida Tooo	T		1	T		Т		
405		Percent Voids <b>7269</b>								
HOT ASPHALTIC VULCANIZED RUBBER SEAL	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504M <b>Ga504M</b>	1 qt.	QPL-7	One per 5 days of production		Distributor (before application)		
	Vulcanized Rubber				Certified Mill Test Report					
	Coarse	Wash 200 <b>T11</b>	DOT 050 <b>0 050</b>	45.11	0.01			0		
	Aggregate	Gradation <b>T27</b>	DOT-658 <b>Ga658</b>	45 lbs.	QPL-2		As Needed	Stockpile		
412										
BITUMINOUS PRIME	Cutback Asphalt	Viscosity <b>T201</b>	DOT-503 <b>Ga503</b>	1 qt.	QPL-7			Before application		
	Cutback Asphalt Emulsion	Viscosity <b>T72</b>	DOT-503 <b>Ga503</b>	1 qt.	QPL-7 & Visual Inspection			Before application		
	Emulsified Asphalt	Viscosity <b>759</b>	DOT-325M <b>Ga325M</b>	1 qt.	QPL-7	One per 5 day of placement		Distributor (before application)		
413										
BITUMINOUS TACK COAT	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504M <b>Ga504M</b>	1 qt.	QPL-7	One per 5 days of placement		Distributor (before application)		
	Emulsified Asphalt	Viscosity <b>759</b>	DOT-325M <b>Ga325M</b>	1 qt.	QPL-7	One per 5 days of placement		Distributor (before application)		
414										
HOT ASPHALT RUBBER SEAL FOR	Asphalt Cement				QPL-7 & Visual Inspection					
	Ground Tire Rubber		DOT-658 <b>Ga658</b>		Certified Mill Test Report					
	Coarse	Wash 200 <b>T11</b>	DOT 050 5 555	45.11	0.51 0			0		
	Aggregate	Gradation <b>T27</b>	DOT-658 <b>Ga658</b>	45 lbs.	QPL-2	As necessary		Stockpile		
424										

						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	
BITUMINOUS SURFACE TREATMENT	Asphalt Cement	Dynamic Shear <b>TP-5</b>	DOT-504M <b>Ga504M</b>	1 qt.		One per 75,000 gal., per Source		Storage Tank		
	Emulsified Asphalt	Viscosity <b>759</b>	DOT-325M <b>Ga325M</b>	1 gal.		One per 75,000 gal., per Source		Storage Tank		
	Aggregate	Gradation <i>T27</i>			QPL-2, Sections A, B & C	One per size, per Project	One per size, per Project	Stockpile		
		Minus No.200 Material <b>711</b>	DOT-658 <b>Ga658</b>	45 lbs.	One per 500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.					
425										
PENETRATION MACADAM	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504M <b>Ga504M</b>	1 qt.		One per 75,000 gal., per Source		Before application		
	Coarse Aggregate	Gradation <b>T27</b>	Ga658	45 lbs.		One per 20,000 yd <sup>3</sup> or tons	One per Project	Stockpile		
	Fine Aggregate	Gradation <b>727</b>	Ga658	20 lbs.		One per 2,500 yd <sup>3</sup> or tons	One per Project	Stockpile		
426										
SPRINKLE OVERLAY	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504 <b>Ga504</b>	1 qt.	QPL-7	One per 75,000 gal., per Source				

						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	1	1					,
TREATMENT OF HOT MIX	Coarse Aggregate for	Gradation <b>727</b>								
ASPHALTIC CONCRETE	Asphaltic Concrete	Wash 200 <b>T11</b>	DOT-658 <b>Ga658</b>	45 lbs.	QPL-2	One per 500 yd <sup>3</sup> or tons	One per Project	Stockpile		
		Gradation T11 & T27								
	for Asphaltic Concrete	Clay Lumps <i>T1121</i>								
	Concrete	Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	20 lbs.	QPL-1	As necessary		Stockpile		
		Mica Content								
	Mineral Filler	Gradation T11 & T27	DOT-168 <b>Ga168</b>	10 lbs.	QPL-81	One per 500 tons, per Type, per Source		Stockpile		
	Hot Bin Aggregate Samples	Gradation <b>727</b>	Ga658	20 lbs.	As necessary			Bins		
		Thickness Measurement <i>GDT-</i>	DOT-176 <b>Ga176</b>		One per 1,000 ft, per 2 lanes	2	Observe 1 per 3 miles, per 2 lanes	Completed Course		
		Physical & Chemical Analysis <b>M216-84</b>				One per 2,000 tons during periods of		O		
		Gradation <b>T219</b>		1 qt.*	QPL-41	production - GDOT use		Silo or Tanker	*air-tight container	
		Chemical <b>T219</b>								
427										
EMULSIFIED ASPHALT SLURRY SEAL	Emulsified Asphalt	Viscosity <b>759</b>	DOT-503 <b>Ga503</b>	1 gal.*	QPL-7	One per Project		Storage Tank	*non-metal container	
SEAL	Hydrated Lime	Physical & Chemical Analysis <b>M216</b>								
		Gradation <b>T219</b>		1 qt.*	QPL-41	One per Project			*air-tight container	
		Chemical <b>T219</b>								
	Portland Cement	Physical & Chemical Analysis <b>M85</b>								
		Air Content <i>M85</i>	-							
		Fineness <i>M85</i>	1							
		Autoclave <i>M85</i>	DOT-175 <b>Ga175</b>	20 lbs.	QPL-3	One per Project				
		Compressive Strength <i>M85</i>	1							
		Vicat <b>T131</b>	1							
		Chemical <i>M85</i>	1							

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
	Fine Aggregate	Gradation <b>727</b> Wash 200 <b>711</b>		20 lbs.	One per 1,500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section	QPL-1 Sources, 1 per 200,000 tons except for Section D, Stockpile Basis Sources; Section D Sources, 1 per 15,000	Stockpile		
	Water	Physical & Chemical Analysis <b>726</b>	Ga088	1 qt.*	One per unpotable Source	D.		Enough in advance so results are known before use	*non-metal container	
		Extraction GDT-38, GDT-83 or GDT-125		1 gal.	One per week, per truck		One per Project		AASHTO T308 (Method A)	
428					1					
MICRO-SURFACING	Emulsified Asphalt	Viscosity <b>759</b>	Ga325	1 gal.*	QPL-7	One per Project		Before mixing	*non-metal container	
	Diluted Emulsion Tack	Residue by Evaporation <b>759</b>	Ga325	1 gal.*	One per 5 days of production			Distributor	*non-metal container	
		Physical & Chemical Analysis <b>M216</b>	Ga325	1 qt.*	QPL-41	One per Project			*air-tight container	
		Physical & Chemical Analysis <i>M85</i>		20 lbs.	QPL-3	One per Project				
	Aggregate	Moisture Content GDT-40		2000 g		One per 5 days of production		Stockpile		
		Gradation <b>727</b>								
		Minimum No. 200 <i>T11</i>				QPL-2 Sources, as				
		Sand Equivalent <i>T176</i>	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	materials delivered from Section D Sources.	As Needed	Stockpile		
	In-Place Material	Extraction GDT-132		Minimum:		Two per 1 day of	One per Project	Paver		

						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	One delice OPT 0	1	J0000 ==	1	la and a decoder	<u></u>	T	T T	
430		Gradation GDT-3		2000 g		production				
PORTLAND CEMENT CONCRETE PAVEMENT	Concrete	Compressive Strength <i>GDT-35</i> & <i>T22</i>		6" X 12" cylinders	Three sets of 4 cylinders per lot		Observe 1 set per 10 lots or per 2 weeks production			
PAVEINENT		Air Content GDT-26	DOT-319 <b>T152</b>		When cylinders are		Three per 20 days of operation	During pouring operation at Roadway	Minimum of 3 per day by Contractor	
		Slump <i>GDT-27</i>			made & as necessary for control		Observe 3 per 20 days of operation			
		Thickness GDT-31	Ga176	4" core	As per Section 430.06 of the Specifications		Observe 1 per 3 miles	Roadway		
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>	-							
		Autoclave <b>M85</b>	1			One per 2,000 tons,				
		Compressive Strength M85	—DOT-175 <b>Ga175</b> —	10 lbs.	0 lbs. QPL-3	per Source		Jobsite storage		
		Vicat <b>7131</b>								
		Chemical <i>M85</i>	1							
	Portland	Air Content <b>T137</b>								
	Pozzolan	Fineness M240	1							
	Cement	Autoclave <b>M240</b>	1							
		Compressive Strength M240	DOT-175 <b>Ga175</b>							
		Vicat <b>7131</b>	1							
		Chemical <i>M240</i>	-							
	Curing Agent	Specifications for Liquid Membrane Curing <b>M148</b>	DOT-168 <b>Ga168</b>	1 qt.	QPL-16 or pre- inspection by Central Lab Personnel			Jobsite storage	As required by SOP-17	
		Paper Mats, Plastic Specifications		1 yd <sup>2</sup>	Pre-inspected by Central Lab Personnel					
	Admixtures				QPL-13 & QPL-14			Stock		
	Fly Ash	Fineness M295								
		Activity <b>M295</b>	1			One per 2,000 tons,		1		
		Soundness M295	DOT-175 <b>Ga175</b>	10 lbs.	QPL-30	per Source		Jobsite storage		
	So	Density M295	1							

						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	
	1			1	1		T			
		Chemical M295								
	Slag	Fineness M302								
		Activity M302				0 0 000 1				
		Air Content M302	DOT-175 <b>Ga175</b>	10 lbs.	QPL-30	One per 2,000 tons, per Source		Jobsite storage		
		Density M302								
		Chemical M302								
	Steel Bars for	Number M31M								
	Reinforcement	Weight <b>M31M</b>								
		Dimensions M31M								
		Deformation Spacing M31M								
		Height & Gap <i>M31M</i>	Reinforce-ment Test Report  2 pcs. @ 24" per size	ODI 12 8 ODI 61	Random Sampling at					
		Yield Strength 7244  Elongation 7244	Ga166	Ga166 24" per size	QPL-12 & QPL-61 Fa	Fabricator				
		Elongation <b>T244</b>								
		Bend Test <b>T285</b>								
	C	Chemical M31M	1 1							
		Size M32M								
	Reinforcement	Diameter M32M			=					
		Area <b>M32M</b>	Reinforce-ment							
		Tensile Strength T244	Test Report		Certified Mill Test Report					
		Yield Strength T244	GACERT		-Keport					
		Area Reduction T244			=					
		Bend Test M32M								
	Welded Steel	Size <i>M55M</i>								
	Wire Fabric for Reinforcement	Diameter <i>M55M</i>								
	Comorcement	Area <b>M55M</b>			1					
		Tensile Strength T244	7		1					
	Yi Ai Bi	Yield Strength <b>T244</b>	Welded Wire Test		1					
		Area Reduction <b>T244</b>	Report <b>Ga166</b>		QPL-55					
		Bend Test <i>M55M</i>	7		1					
		Weld Shear Strength <i>M55M</i>			1					
		Width <b>M55M</b>			1					
		Length M55M			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	
	T	T2 . 22 22	1	T	T	1	T	T	T	
		Spacing <i>M55M</i>								
	Dowel Bars	Number M31M								
		Weight <b>M31M</b>								
		Dimensions M31M								
		Deformation Spacing <i>M31M</i> *							*N/A for Plain Dowel Bars	
		Height & Gap <i>M31M</i> *	Reinforce-ment						Bars	
		Tensile Strength T244	Test Report Ga166							
		Yield Strength <b>T244</b>	Jaroo							
		Elongation T244								
		Bend Test <b>T285</b>	1							
		Chemical <i>M31M</i>								
		Coating <b>853.08</b>			QPL-43					
	Dowel Bar Dipping Pan Paint		GACERT		Pre-inspected by Co	entral Lab Personnel				
	Dowel Bars & Tie Bars	As Specified	Ga166	3 bars in basket assembly	Pre-inspected by Central Lab Personnel	One per Project		Jobsite storage		
	Coarse	Gradation <b>727</b>								
	Aggregate	Wash 200 <b>T11</b>	DOT-658 <b>Ga658</b>	45 lbs.	based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	for Section D, Stockpile Basis Sources; GDOT will perform acceptance	QPL-2 Sources, 1 per month of production, except for Section D, Stockpile Basis Sources; Section D Sources, 1 per 1,500	Belt & Stockpile		
	Fine Aggregate	Gradation <b>T27</b> Minus No. 200 <b>T11</b>	DOT-658 <b>Ga658</b>	20 lbs.	One per 1,500 tons based upon QPL-1,	QPL-1 Sources, 1 per 20,000 tons, except	QPL-1 Sources, 1 per 20,000 tons, except	Belt & Stockpile		

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
		Sand Equivalent <i>GDT-63</i>			except for Section D, Stockpile Basis, Sources. Material from Section D must be sampled.	for Section D, Stockpile Basis, Sources. The Department will perform acceptance tests on materials delivered from Section D Sources.	for Section D, Stockpile Basis, Sources. Section D Sources, 1 per 1,500 tons.			
		Tensile Stress ASTM D412  Durometer ASTM D2240								
		Bond <i>GDT-106</i>								
		Tack Free Time GDT-106								
		Extrusion GDT-106	Misc.		QPL-66 <u>or</u> 1 sample					
		Non-Volatile GDT-106	Ga168		per batch, per Type					
		Specific Gravity ASTM D792								
		Adhesion GDT-106								
		Resistance ASTM C793								
		Density ASTM D1622			Pre-inspected by					
	rtous	Tensile Strength ASTM D1623	Misc. <b>Ga168</b>	6 ft	Central Lab & Certified Mill Test			Stock		
		Water Absorption <b>ASTM C1061</b>	Garoo		Report; 1 sample per shipment					
	Bond Breakers – Tape	Thickness	Misc. <b>Ga168</b>		Certified Mill Test Report					
	Epoxy Adhesive	Pot Life <i>GDT-58</i>								
		Bond Strength GDT-58	Misc.	4 14	QPL-15 <u>or</u> 1 sample					
		Shelf Life	Ga168	1 kit	per batch, per Type					
		Condition	]							
	Water	Quality of Water to be Used in 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	
433										
REINFORCED CONCRETE		Compressive Strength <i>GDT-35</i> & <i>T22</i>	DOT-319 <b>T152</b>		Three sets of 4 cylinders per Lot					

						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	
APPROACH SLABS		Air Content <i>GDT-26</i> Slump <i>GDT-27</i> Mix Temperature <i>GDT-122</i>								
	Portland Cement	Air Content <b>T137</b> Fineness <b>M85</b> Autoclave <b>M85</b> Compressive Strength <b>M85</b> Vicat <b>T131</b> Chemical <b>M85</b>	- - -DOT-175 <b>Ga175</b> -		QF	PL-3				
	Portland Pozzolan Cement	Air Content <i>T137</i> Fineness <i>M240</i> Autoclave <i>M240</i> Compressive Strength <i>M240</i> Vicat <i>T131</i> Chemical <i>M240</i>	-DOT-175 <b>Ga175</b>							
	Fine Aggregate	Gradation <b>T27</b> Sand Equivalent <b>GDT-63</b>	DOT-658 <b>Ga658</b>		One per 1,500 tons based upon QPL-1, except for Section D,	for Section D, Stockpile Basis Sources; GDOT will perform acceptance	QPL-1 Sources, 1 per month of production, except for Section D, Stockpile Basis, Sources; Section D Sources, 1 per 1,500 tons			
	A a are a a to	Wash 200 <b>T11</b> Gradation <b>T27</b>	DOT-658 <b>Ga658</b>		based upon QPL-2,	for Section D, Stockpile Basis Sources; GDOT will perform acceptance	QPL-2 Sources, 1 per month of production, except for Section D, Stockpile Basis Sources; Section D Sources, 1 per 1,500 tons			
	Steel Bars for Reinforcement	Number <i>M31M</i> Weight <i>M31M</i>	Reinforce-ment Test Report	2 pcs. @ 24" per size	QPL-12 & QPL-61	Random sampling at Fabricator				

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
			T.							
		Dimensions M31M	Ga166							
		Deformation Spacing M31M								
		Height & Gap M31M								
		Tensile Strength T244								
		Yield Strength <b>T244</b>								
		Elongation T244								
		Bend Test T285								
		Chemical <b>M31M</b>								
	Fly Ash	Fineness M295								
		Activity <b>M295</b>								
		Soundness <i>M295</i>	DOT-175 <b>Ga175</b>	10 lbs.	QPL-30					
		Density M295								
		Chemical <b>M295</b>								
	Slag	Fineness M302								
		Activity M302								
		Air Content <b>M302</b>	DOT-175 <b>Ga175</b>	10 lbs.	QPL-30	One per 2,000 tons, per Source		Jobsite storage		
		Density M302	1			per Source		1		
		Chemical <i>M302</i>	1							
	Silicone Sealant	Tensile Stress ASTM D412								
		Durometer ASTM D2240	1							
		Bond <i>GDT-106</i>	1							
		Tack Free Time GDT-106	1							
		Extrusion GDT-106	Misc.		QPL-66 <u>or</u> 1 sample					
		Non-Volatile GDT-106	Ga168		per batch, per Type					
		Specific Gravity ASTM D792		_						
		Adhesion <i>GDT-106</i>	_		-					
		Resistance ASTM C793	-		_					
	Bond Breakers -	Density ASTM D1622								
	Rods	Tensile Strength ASTM D1623	Misc. <b>Ga168</b>	6 ft	Pre-inspected by Central Lab & Certified Mill Test			Stock		
		Water Absorption ASTM C1061	-54100		Report; 1 sample per shipment					
	Bond Breakers -	Thickness	Misc.		Certified Mill Test					

						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	
	<u></u>		T=	1	1_	T	T	ı		
	Tape		Ga168		Report					
		Pot Life GDT-58								
		Bond Strength GDT-58	Misc.		QPL-15 <u>or</u> 1 sample					
		Shelf Life	Ga168		per batch, per Type					<u>,                                    </u>
		Condition								1
434										
SAND ASPHALT PAVED DITCHES		Compressive Strength <i>GDT-35</i> & <i>T22</i>			One set per each 100					
		Air Content GDT-26 or GDT-32	DOT-319 <b>T152</b>	2 cylinders	cumulative yd <sup>3</sup> <u>or</u> 1 set per week, per Plant		Observe 1 per 20 days operation	During pouring operation		
		Slump GDT-27								
		Specification Requirements GDT-38 or GDT-83		25 lbs.	Two per week			Truck or Roadway		
	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504 <b>Ga504</b>	1 qt.	QPL-7	One per Project		Before application		
	Fine Aggregate	Gradation <i>T11 or T27</i>								
		Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	20 lbs.	One per 1,500 tons based upon QPL-1,	for Section D, Stockpile Basis Sources; GDOT will perform acceptance	QPL-1 Sources, 1 per month of production, except form Section D, Stockpile Basis Sources; Section D Sources, 1 per 1,500	Stockpile		
435										
RAPID SETTING CEMENT CONCRETE END	Patching Material	Flow of Mortar <b>ASTM C109</b>								
DAMS & PATCHES		Flexural Strength <b>797</b> Compressive Strength <b>ASTM C109 or ASTM C31</b>	Misc. Ga168		QPL-27 <u>or</u> pre- inspected by Central Lab Personnel					
		Adsorption ASTM C140	1		1					
		Chlorides <b>T260</b>								

						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	
	•									
		Shear Bond Freeze-Thaw ASTM C666								
	Epoxy Adhesive	Pot Life <i>GDT-58</i>								
		Elongation GDT-58								
		Bond Strength GDT-58	Misc.		QPL-15 or 1 sample			Ī., .		
		Hardness ASTM D2240	Ga168	1 kit	per batch, per Type			Stock		
		Sag Test <b>T237</b>								
		Wet Bond Test <b>T237</b>								
	Silicone Sealant	Tensile Stress ASTM D412								
		Hardness ASTM D2240			1					
		Bond GDT-106			1					
		Tack Free Time GDT-106			1					
		Extrusion GDT-106	Misc.		QPL-66 <u>or</u> 1 sample			Ctools		
		Non-Volatile GDT-106	Ga168		per batch, per Type			Stock		
		Specific Gravity ASTM D792								
		Adhesion <i>GDT-106</i>			-			1		
		Resistance ASTM C793			-			<del> </del>		
	Bond Breakers –	Density ASTM D1622								
	Rods		Misc.	6 ft	Pre-inspected by Central Lab & Certified Mill Test			Stock		
		Water Absorption ASTM C1061	Ga168	O II	Report; 1 sample per shipment			Stock		
	Bond Breakers – Tape	Thickness	Misc. Ga168		Certified Mill Test Report					
	Preformed Foam Joint Filler		Misc. Ga168		Certified Mill Test Report					
436 ASPHALTIC	NOTE: When pl	aced in conjunction with Pay It	em in Section 400	), and ingred	lients are sampled und	ler that Item, no addit	tional samples of AC,	CA, FA, or Mineral Filler re	equired.	
CONCRETE CURB										
	Tack Coat	Specification Requirements <b>759</b>	DOT-503 <b>Ga503</b>	1 gal.	QPL-7	One per Project		Before application		
	1									

						GUIDE FREQUENCY				
				0.75.05						
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	
				0,	7.002. 7702	710001111102	71000701102	<i>57</i> 2 (8		
	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504 <b>Ga504</b>	1 qt.	QPL-7	One per Project		Before application		
	Mineral Filler	Gradation T11 & T27		10 lbs.	QPL-81	One per 1,000 tons, per Type, per Source		Stock		
	Completed Mix	Specification Requirements GDT-38 or GDT-83	Ga387 Ga159-5	25 lbs.	Two per week		One per Project	Truck or Roadway		
	Fine Aggregate	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>		One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	As necessary				
	Coarse	Wash 200 <b>T11</b>								
	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>		One per 500 tons based upon QPL-2, except form Section D, Stockpile Basis Sources; material from Section D must be sampled.	As necessary				
437										
GRANITE CURB	Granite from Unapproved Source	Percent Wear <b>T96</b>		100 lbs.	One per Source			Stock		
	Granite from Approved Source				QPL-2 & Visual Inspection					
438					<u> </u>	,	·			
PRECAST	Portland Cement	Air Content <b>T137</b>								
CONCRETE HEADER CURB		Fineness M85								
		Autoclave <b>M85</b>	DOT 175 Co475		ODL 2	One per Quarter, per				
		Compressive Strength M85	DOT-175 <b>Ga175</b>		QPL-3	Source, per District				
		Vicat <b>T131</b>								
		Chemical <i>M85</i>								
	Portland	Air Content <b>T137</b>	DOT-175 <b>Ga175</b>							

						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	
	Pozzolan	Fineness <i>M240</i>								
		Autoclave <b>M240</b>								
		Compressive Strength M240								
		Vicat <b>T131</b>								
		Chemical <i>M240</i>								
		Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</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.				
	Aggregate	Wash 200 <i>T11</i>								
		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.				
	Steel Bars for	Number M31M								
		Weight <b>M31M</b>	_							
		Dimensions <b>M31M</b>								
	Deformation Spacing <i>M31M</i> Height & Gap <i>M31M</i> Rei									
		Height & Gap <i>M31M</i>	Reinforce-ment	2 pcs. @	ODI 42.8 ODI 64					
		Tensile Strength T244	Test Report Ga166	24" per size	QPL-12 & QPL-61					
		Yield Strength T244								
		Elongation <i>T244</i>								
		Bend Test <b>T285</b>	7							
		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	
	Fly Ash	Fineness M295								
		Activity <b>M295</b>			<u></u>					
		Soundness M295	DOT-175 <b>Ga175</b>		QPL-30					
		Density M295			_					
		Chemical M295								
	Dowel Bars	Number M31M								
		Weight <b>M31M</b>								
		Dimensions <i>M31M</i>								
		Deformation Spacing <i>M31M</i> *							*N/A for Plain Dowel	
		Height & Gap <i>M31M</i> *	Reinforce-ment						Bars	
		Tensile Strength T244	Test Report Ga166							
		Yield Strength T244	-04.00							
		Elongation <b>T244</b>								
		Bend Test <b>T285</b>								
		Chemical <i>M31M</i>								
		Coating <b>853.08</b>			QPL-43					
439				<del>'</del>						
PORTLAND CEMENT CONCRETE	Concrete	Compressive Strength <i>GDT-35</i> & <i>T22</i>	DOT-319 <b>T152</b>	2 cylinders	See NOTE 1		Observe on set per 3000 yd <sup>3</sup>		Cylinders to be broken in Branch or Central Lab	
PAVEMENT (SPECIAL < 50,000 yd²)		NOTE 1: One set per each 350 shall be fabricated for each cumu placed in another structure.	yd <sup>3</sup> of each Class oll ulative 350 yd <sup>3</sup> or fi	of Concrete praction thereo	laced daily for each stru f, of Concrete placed p	ucture, except for Conc er week in each structu	crete used in Bridge Cur ure. Cylinders shall not	b, Handrail or Wall Coping. be fabricated at one structu	Two Concrete cylinders are to represent Concrete	
		Air Content GDT-26 or GDT-32								
		0.007.07	T152	See NOTE	When cylinders are		Observe 1 set per	Placement site	Additional Slump test will be required when Water	
		Slump GDT-27	1	2	made		3000 yd <sup>3</sup>		is added on Project	
		Mix Temperature <i>GDT-122</i>	<u> </u>	<u> </u>			1	A LEG LA A		
		NOTE 2: Air, Slump & Mix Temp every third load on Bridge Deck	perature tests are a placement.	all required wr	nen cylinders are made	& as judged necessar	y to insure adequate co	ntrols. Additional tests are	recommended at least	
	Portland Cemen	t Air Content <b>T137</b>								
		Fineness <i>M85</i>								
		Autoclave <b>M85</b>	DOT-175 <b>Ga175</b>	10 lbs.	QI	PL-3			Jobsite Plants only	
		Compressive Strength M85								
		Vicat <b>7131</b>								

						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	
	1	T		1	1			1		
		Chemical M85								
	Dozzolon	Air Content <b>T137</b>								
	Cement	Fineness M240								
		Autoclave <b>M240</b>	DOT-175 <b>Ga175</b>							
		Compressive Strength M240								
		Vicat <b>7131</b>								
		Chemical <b>M240</b>								
	Fine Aggregate	Gradation <b>T27</b>								
		Sand Equivalent <i>GDT-63</i>	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 1 per 500 tons.	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.				
		Wash 200 <b>T11</b>								
	A	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	30 lbs.	Basis Sources;	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.				
		Number M31M								
	Reinforcement	Weight <b>M31M</b>								
	Dime	Dimensions M31M								
		Deformation Spacing M31M	Reinforce-ment	2 pcs. @	ODI 40 0 ODI 61	Random sampling at				
		Height & Gap <i>M31M</i>	Test Report Ga166	24" per size	QPL-12 & QPL-61	Fabricator				
	Те	Tensile Strength <b>T244</b>								
		Yield Strength <b>T244</b>								
		Elongation <b>T244</b>								

						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	
	•				•					
		Bend Test T285								
		Chemical M31M								
	Steel Wire for	Size M32M								
	Reinforcement	Diameter M32M								
		Area <b>M32M</b>	Reinforce-ment		7					
		Tensile Strength T244	Test Report		Certified Mill Test Report					
		Yield Strength T244	Ga166		Тероп					
		Area Reduction T244	7		1					
		Bend Test M32M	7		1					
	Welded Steel	Size <i>M55M</i>								
	Wire Fabric for Reinforcement	Diameter <i>M55M</i>	1		1					
	Remorcement	Area <b>M55M</b>	Report Garoo	7						
		Rea Neddellon 1244								
				QPL-55						
		Bend Test <i>M55M</i>								
		Weld Shear Strength M55M								
		Width <i>M55M</i>	7							
		Length M55M	1		1					
		Spacing <i>M55M</i>	1							
	Dowel Bars	Number M31M								
		Weight <b>M31M</b>								
		Dimensions M31M	1							
		Deformation Spacing M31M*							*N/A for Plain Dowel	
		Height & Gap <i>M31M</i> *	Reinforce-ment	3 bars in					Bars	
		Tensile Strength <b>T244</b>	Test Report	basket	Pre-inspected by Central Lab Personnel	One per Project		Stock		
		Yield Strength <b>T244</b>	_Ga166	assembly	Central Lab i ersonner			_		
		Elongation <b>T244</b>	4					_		
			-					-		
	Bend Test <i>M285</i> Chemical <i>M3</i> Coating <i>853.08</i>	4					_			
		4								
	Fly Ash	Fineness M295	DOT-175 <b>Ga175</b>	10 lbs.					Jobsite plants only	
		Activity M295							, ,	

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
	•		<u> </u>							
		Air Content <b>M295</b>								
		Density M295								
		Chemical <i>M295</i>								
	Slag	Fineness M302								
		Activity M302						]		
		Soundness M302	DOT-175 <b>Ga175</b>	10 lbs.	QPL-30	One per 2,000 tons, per Source		Jobsite storage	Jobsite plants only	
		Density M302				per cource		]		
		Chemical <i>M302</i>						1		
	Silicone Sealant	Tensile Stress ASTM D412								
		Durometer ASTM D2240								
		Bond <i>GDT-106</i>	1							
		Tack Free Time GDT-106	1							
		Extrusion GDT-106	Misc.							
		Non-Volatile GDT-106	-Ga168 GACERT		QPL-66					
		Specific Gravity ASTM D792								
		Adhesion <i>GDT-106</i>								
		Resistance ASTM C793								
		Density ASTM D1622			Pre-inspected by					
	Rods	Tensile Strength ASTM D1623	Misc. <b>Ga168</b>	6 ft	Central Lab & Certified Mill Test			Stock		
		Water Absorption ASTM C1061	GACERT		Report; 1 sample per shipment					
	Bond Breakers – Tape	Thickness	Misc. Ga168 GACERT		Certified Mill Test Report					
	Epoxy Adhesive	Pot Life GDT-58								1
		Bond Strength GDT-58	Misc.		1					
		Shelf Life	Ga168 GACERT		QPL-15					
		Condition	JOAGENT		1					
	Water	Quality of Water to be Used in Concrete <b>726</b>	Ga088	1 qt.*	One per unpotable Source, per month			Enough in advance so that results are known before use	*non-metal container	

						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	
			_	_						
PORTLAND CEMENT CONCRETE	Portland Cement	Physical & Chemical Analysis <i>M85</i>								
SHOULDERS		Air Content <b>T137</b>	1							
		Fineness <i>M85</i>	1							
		Autoclave <b>M85</b>	DOT-175 <b>Ga175</b>	10 lbs.	QPL-3	One per 2,000 tons		Jobsite storage		
		Compressive Strength M85	1							
		Vicat <b>M131</b>						1		
		Chemical M85						1		
		Air Content <b>T137</b>								
	Pozzolan Cement	Fineness M240								
	Comen	Autoclave <b>M240</b>								
		Compressive Strength M240	DOT-175 <b>Ga175</b>							
		Vicat <b>T131</b>								
	Curing Agent S N Admixtures Steel Bars for N	Chemical <i>M240</i>								
		Specification for Liquid Membrane Curing <b>M148</b>	DOT-168 <b>Ga168</b>		QF	PL-16				
			GACERT		QPL-13	& QPL-14				
		Number <i>M31M</i>								
	Reinforcement	Weight <b>M31M</b>	1							
		Dimensions <i>M31M</i>								
		Deformation Spacing M31M	1							
		Height & Gap <i>M31M</i>	Reinforce-ment	2 pcs. @		Random sampling at				
		Tensile Strength T244	Test Report Ga166	2 pcs. @ 24" per size	QPL-12 & QPL-61	Fabricator				
		Yield Strength T244								
		Elongation T244								
		Bend Test <b>T285</b>								
		Chemical M31M								
	Steel Wire for	Size <b>M32</b>								
	Reinforcement	Diameter M32								
		Area <b>M32</b>	Reinforce-ment							
		Tensile Strength <b>T244</b>	Test Report		Certified Mill Test Report					
		Yield Strength T244	Ga166		Thopon					
		Area Reduction <b>T244</b>			]					
		Bend Test M32								

						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	
	Welded Steel	Size <i>M55M</i>	1	T	T		1		<u> </u>	I
	140	Diameter <i>M55M</i>	=		_					
	Reinforcement	Area <b>M55M</b>	=		-					
		Tensile Strength <b>T244</b>	-		_					
		Yield Strength <b>T244</b>	+		-					
		Area Reduction <b>T244</b>	Welded Wire Test		 QPL-55					
		Bend Test <i>M55M</i>	Report <b>Ga166</b>		QFL-55					
		Weld Shear Strength <b>M55M</b>	+		-					
		Width <i>M55M</i>	+		-					
		Length <i>M55M</i>	-		-					
		Spacing <i>M55M</i>	+		-					
	Preformed Joint Filler	opasing meem	GACERT		QP	L-20				
	Tie Bars	Number <i>M31M</i>								
	Weight I	Weight <b>M31M</b>						_		
		Dimensions <i>M31M</i>	-							
		Deformation Spacing M31M	Deistan mant					Stock		
		Height & Gap <i>M31M</i>			Pre-inspection by					
		Tensile Strength <b>T244</b>	Reinforce-ment Test Report	2 bars	Central Lab					
		Yield Strength <b>T244</b>	Ga166	2 50.0	Personnel; 1 per Project					
		Elongation <b>T244</b>	1		1 10,000			1		
		Bend Test <b>T285</b>	-					-		
		Chemical <b>M31M</b>	1							
		Coating <b>853.08</b>	1							
	Graded	Gradation <i>T11</i>								
	Aggregate	Sand Equivalent <i>GDT-63</i> *	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 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D sources.	QPL-2 Sources, 1 per 40,000 tons, except for Section D, Stockpile Basis Sources; Section D Sources, 1 per 4,000	Stockpile	*Normally GDT-63 will only be required on Independent Assurance samples of graded aggregate. Also, GDT-2 will normally only be required on Independent Assurance samples on fine aggregate.	
İ	Coarse	Gradation T27	DOT-658 <b>Ga658</b>	45 lbs.	One per 1,500 tons	QPL-2 Sources, 1 per	QPL-2 Sources, 1 per	Belt or Stockpile		

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
	T	h.,		1	l	lan ann	T			
	Aggregate	Wash 200 <b>T11</b>				20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.	month of production, except for Section D, Stockpile Basis Sources; Section D Sources, 1 per 1,500 tons			
	Fine Aggregate	Gradation <b>T27</b>								
		Minus No. 200 <b>T11</b>	-			QPL-1 Sources, 1 per	0.51 0			
		Sand Equivalent <i>GDT-63</i>				20,000 tons, except for Section D,	QPL-1 Sources, 1 per month of production,			
			DOT-658 <b>Ga658</b>	20 lbs.	except for Section D, Stockpile Basis Sources; material from	Stockpile Basis Sources, GDOT will	Stockpile Basis	Belt or Stockpile		
		Compressive Strength <i>GDT-35</i> & <i>T22</i>		6" X 12" cylinders	Three sets of 2 cylinders per Lot		Observe 3 sets per 20 days			
		Air Content <i>GDT-26</i>	DOT-319 <b>T152</b>		When cylinders are made & as necessary for control		Three per 20 days of operation	During pouring operation		
		Slump <i>GDT-27</i>								
		Thickness			As per specified Shoulder Type					
	Fly Ash	Fineness M295								
		Activity <b>M295</b>								
		Soundness M295	DOT-175 <b>Ga175</b>	10 lbs.	QPL-30			Jobsite storage		
		Density M295								
		Chemical <i>M295</i>								
	Silicone Sealant	Tensile Stress ASTM D412								
		Durometer ASTM D2240	]		_					
	Bond GDT-106 Misc	Misc. Ga168		QPL-66						
		Tack Free Time GDT-106 GA	GACERT		Q1 L-00					
		Extrusion GDT-106	_		_					
		Non-Volatile GDT-106								

						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	
		Specific Gravity ASTM D792								
		Adhesion <i>GDT-106</i>	<u>-</u>							
		Resistance ASTM C793								
	Bond Breakers -	Density ASTM D1622			Pre-inspected by					
	Rods	Tensile Strength ASTM D1623		6 ft	Central Lab & Certified Mill Test					
		Water Absorption <b>ASTM C1061</b>	GACERT		Report; 1 sample per shipment					
	Bond Breakers – Tape		Misc. Ga168 GACERT		Certified Mill Test Report					
	Epoxy Adhesive	Pot Life <i>GDT-58</i>								
		Bond Strength GDT-58	Misc.		0.001 4.5					
		Shelf Life	Ga168 GACERT		QPL-15					
		Condition								
441										
MISCELLANEOUS CONCRETE		Air Content <b>T137</b>								
CONCRETE		Fineness M85								
		Autoclave <b>M85</b>	DOT-175 <b>Ga175</b>		QPL-3					
		Compressive Strength M85			QI L 3					
		Vicat <b>T131</b>								
		Chemical M85								
	n .	Air Content <b>T137</b>								
	Cement	Fineness M240								
		Autoclave <b>M240</b>	DOT-175 <b>Ga175</b>							
		Compressive Strength M240	DOT-170 Ga175							
		Vicat <b>T131</b>								
		Chemical <i>M240</i>								
	Fine Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons,	QPL-1 Sources, 1 per				

						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	
		Sand Equivalent <i>GDT-63</i>			Stockpile Basis	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 <i>T11</i> Gradation <i>T27</i>	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.				
	Curing Agents	Specification for Liquid Membrane Curing <b>M148</b>	GACERT		QP	L-16				
	Admixtures									
	Steel Bars for	Number M31M								
	Reinforcement	Weight <b>M31M</b>								
		Dimensions M31M								
		Deformation Spacing M31M								
		Height & Gap <i>M31M</i>	Reinforce-ment Test Report	2 pcs. @ 24" per size	QPL-12 & QPL-61	Random sampling at				
		Tensile Strength T244	Ga166	24" per size	QPL-12 & QPL-01	Fabricator				
	Yield Strength T244 Elongation T244 Bend Test T285 Chemical M31M Steel Wire for Size M32M	Yield Strength T244								
		Elongation T244								
		Bend Test T285								
		Size <i>M32M</i>	Reinforce-ment							
	Reinforcement	Diameter M32M	Test Report		Certified Mill Test Report					
		Area <b>M32M</b>	Ga166							

						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	_	T	T		1	T	
		Tensile Strength T244								
		Yield Strength <b>T244</b>								
		Area Reduction <b>T244</b>								
		Bend Test M32M								
	Mira Fabria for	Size <b>M55M</b>								
	Reinforcement	Diameter <b>M55M</b>								
		Area <b>M55M</b>								
		Tensile Strength T244								
		Yield Strength <b>T244</b>								
		Area Reduction <b>T244</b>	Welded Wire Test Report <b>Ga166</b>		QPL-55					
		Bend Test <i>M55M</i>	Report <b>Cureo</b>		1					
		Weld Shear Strength <b>M55M</b>			1					
		Width <i>M55M</i>			1					
		Length <i>M55M</i>			1					
		Spacing <i>M55M</i>			1					
		<u>ealers</u>		•	•					
			Misc. Ga168 GACERT	10"	QPL-20			Stock	Sample in accordance with SOP-17	
	Hot Pour Joint	Penetration GDT-62								
	Sealers	Flow GDT-62	N A'		Due les este d'her					
		Resilience GDT-62	Misc. <b>Ga168</b>	8 lb. kit	Pre-inspected by Central Lab; 1 sample			Stock		
		Bond GDT-62	GACERT		per shipment					
		Compatibility GDT-62						1		
	Elastomeric	Cone Penetration GDT-15								
	Polymer Type	Solubility GDT-15	N 4"		Pre-inspected by Central Lab &					
	Joint Compound	Resilience <i>GDT-15</i>	Misc. <b>Ga168</b>	1 kit	Central Lab & Certified Mill Test			Stock		
		Flow <b>GDT-15</b>	GACERT		Report; 1 sample per			1		
	Preformed T Elastic Joint Sealer	Bond <i>GDT-15</i>			shipment			1		
		Tensile Strength ASTM D412	Misc.		Pre-inspected by Central Lab &					
	Gealei			36"	Certified Mill Test Report; 1 sample per shipment			Stock		
		Hardness ASTM D2240			SHIPHICH					

						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	
							_			
		Oven Aging ASTM D573								
		Oil Swell <b>ASTM D471</b>								
		Ozone Resistance ASTM D1149								
		Joint Sealer Recovery <i>GDT-47</i>						_		
		Compression/Deflection GDT-70						-		
	Water-Blown Urethane Joint Filler	·	Misc. Ga168 GACERT		Certified Mill Test Report					
	Silicone Sealant	Tensile Stress ASTM D412								
		Hardness ASTM D2240			7			-		
		Bond <i>GDT-106</i>			7			1		
		Tack Free Time GDT-106			1			-		
		Extrusion GDT-106	Misc. <b>Ga168</b>		QPL-66 <u>or</u> 1 sample			Stock		
		Non-Volatile <i>GDT-106</i>	GACERT		per batch, per Type					
		Specific Gravity ASTM D792						_		
		Adhesion <i>GDT-106</i>						_		
		Resistance ASTM C793								
	Bond Breakers -	Density ASTM D1622			Pre-inspected by					
	Rods	Tensile Strength ASTM D1623	Misc. <b>Ga168</b>	6 ft	Central Lab & Certified Mill Test			Stock		
		Water Absorption ASTM C1061	GACERT		Report; 1 sample per shipment					
	Bond Breakers – Tape		Misc. Ga168 GACERT		Certified Mill Test Report					
	Neoprene for Bridge Deck Joint Seal	•	Misc. Ga168 GACERT		Certified Mill Test Report					

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY		LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
	Ethylene Propylene Diene Monomer for Bridge Deck Joint Seals	Specification 833.08	Misc. Ga168 GACERT		Certified Mill Test Report					
		Hardness <b>ASTM D2240</b>								
	Sealant for Inductive Loops	Tensile Strength ASTM D412	1							
		Elongation <b>ASTM D412</b>	Misc. <b>Ga168</b>		QPL-75					
		Flexibility	GACERT		_QPL-75					
		Weather Resistance <b>ASTM</b>								
		D822								
	Preformed Foam Joint Filler	Specification 833.10	Misc. Ga168 GACERT		Certified Mill Test Report					
	Dowel Bars	Number <i>M31M</i>								
		Weight <b>M31M</b>	1							
		Dimensions <i>M31M</i>								
		Deformation Spacing <b>M31M</b> *							*N/A for Plain Dowel	
		Height & Gap <i>M31M</i> *	Reinforce-ment		Pre-inspection by				Bars	
		Tensile Strength T244	Test Report Ga166	2 bars	Central Lab Personnel	One per Project		Stock		
		Yield Strength <b>T244</b>								
		Elongation <b>T244</b>								
		Bend Test <b>T285</b>								
		Chemical M3								
		Coating <b>853.08</b>	08		QPL-43					
	Concrete	Compressive Strength <i>GDT-35</i> & <i>T22</i>	DOT-319 <b>T152</b>	2 cylinders	One set per each cumulative 100 yd <sup>3</sup> or 1 set per week, per Plant		Observe 1 per 20 days operation	During pouring operation		
		Air Content GDT-26 or GDT-32			Air & Slump tests are required when			Placement site		

						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	
CONCINCOTION	WINTERNIE	Name a Namber	i Roport	O/ (IVII EE	ACCEL TAILOR	ACCONTINGE	7100011711102	C/ WIII EII VO	TEMP (TO)	
		Slump <i>GDT-27</i>			cylinders are made & as judged necessary to insure adequate control					
	Fly Ash	Fineness <i>M295</i>								
		Activity M295								
		Soundness M295	DOT-175 <b>Ga175</b>		QPL-30					
		Density M295			1					
		Chemical <b>M295</b>								
	Epoxy Adhesive									
		Bond Strength GDT-58	Misc. <b>Ga168</b>		ODI 45					
		Shelf Life	GACERT		QPL-15					
		Condition								
442										
SEALING ROADWAY & BRIDGE JOINTS		Tensile Stress ASTM D412								
& BRIDGE JOINTS		Durometer ASTM D2240								
		Bond GDT-106								
		Tack Free Time GDT-106	<u> </u>							
		Extrusion GDT-106	Misc. <b>Ga168</b>		QPL-66			—Stock		
		Non-Volatile GDT-106	GACERT		Q, 2 00			Stock		
		Specific Gravity ASTM D792								
		Adhesion GDT-106	_		7			1		
		Resistance ASTM C793								
	Epoxy Adhesive	Pot Life GDT-58								
		Bond Strength GDT-58			1			1		
		Shelf Life	Misc.		1			1		
		Elongation GDT-58	Ga168		QPL-15 <u>or</u> 1 sample per batch, per Type			Stock		
		Hardness ASTM D2240	GACERT		per batch, per Type			]		
		Sag <b>7237</b>						]		
		Wet Bond <b>T137</b>						]		
	n .	Density ASTM D1622	Misc.		One per Project &					
	Rods	Tensile Strength ASTM D1623	Ga168 GACERT	5 ft	Certified Mill Test Report			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	
	1	h	1	T	T	T	T	T		T
		Water Absorption ASTM C1016								
	Bond Breakers - Tape		Misc. Ga168 GACERT	5 ft	One per Project & Certified Mill Test Report			Stock		
445										
WATERPROOFING	Waterproofing	Permeability <i>GDT-69</i>								
PAVEMENT JOINTS & CRACKS	Membranes for Pavement Joints & Cracks	Breaking Factor ASTM D882						]		
		Heat Resistance GDT-69			_					
		Puncture Resistance <b>ASTM E154</b>	Misc. <b>Ga168</b> <b>Ga088</b>		QPL-22			Stock		
		Elongation ASTM D882	Gauco		-			-		
		Pliability <b>ASTM D146</b>			1					
		Adhesion GDT-69			1					
		Thickness			1					
446										
PAVEMENT REINFORCEMENT FABRIC	High Strength Pavement Reinforcement	Tensile Strength ASTM D412								
FADRIC	Fabric	Elongation ASTM D412								
		Density ASTM E12								
			Misc.		One per Project &					
		Softening Point ASTM D36	Ga168 GACERT	4 ft	Certified Mill Test Report			Stock		
		Caliper ASTM D1777	GACERI		Кероп					
		Specific Gravity ASTM D80								
		Pliability <b>ASTM D146</b>						]		
		Width								
		Weight								
	Pavement Reinforcement Fabric – Type I	Tensile Strength ASTM D4632	Misc.							
	or II		Ga168 GACERT	4 ft	QPL-7			Stock		
		Asphalt Retention <i>GDT-95</i>								

						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		
	Bituminous Prime		GACERT							
448										
PORTLAND CEMENT	Concrete	Air Content GDT-26 & GDT-35			One set of 4 for ea	ich placement date.				
CONCRETE END DAMS & PATCHES		Slump <i>GDT-27</i>			(2 for 1 day	, 2 for 3 day)				
		Mix Temperature <i>GDT-122</i>	-T152		required when cylin	emperature tests are ders are made & as sure adequate controls				
	Epoxy Adhesive	Pot Life GDT-58								
		Elongation GDT-58	1					1		
		Bond Strength GDT-58	Misc.	1 kit	QPL-15 or 1 sample			]		
		Hardness ASTM D2240	Ga168 GACERT	BACERT per batch, per Typ	per batch, per Type			Stock		
		Sag Test <b>7237</b>								
		Wet Bond Test <b>T237</b>	]							
	Silicone Sealant	Tensile Stress ASTM D412								
		Durometer ASTM D2240								
		Bond GDT-106								
		Tack Free Time GDT-106								
		Extrusion GDT-106	Misc. - <b>Ga168</b>		QPL-66					
		Non-Volatile GDT-106	GACERT		QFL-00					
		Specific Gravity ASTM D792								
		Adhesion <i>GDT-106</i>								
		Resistance ASTM C793	1		-					
	Preformed Foam Joint Filler		GACERT		QP	L-20				
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>								
		Autoclave <i>M85</i>	-							
		Compressive Strength <i>M85</i>	DOT-175 <b>Ga175</b>							
		Vicat <b>T131</b>	-							
		Chemical <i>M85</i>	-							
		Chombal Moo			1					

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
	D I	Air Content <b>T137</b>								
	Pozzolan Cement	Fineness <i>M240</i>								
		Autoclave <b>M240</b>	DOT-175 <b>Ga175</b>							
		Compressive Strength <b>M240</b>	DO1-173 <b>Ga173</b>							
		Vicat <b>T131</b>								
		Chemical <i>M240</i>								
Ī	Fine Aggregate	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</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	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.				
	Aggregate	Wash 200 <b>T11</b> Gradation <b>T27</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	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.				
	Fly Ash	Fineness <i>M295</i>								
		Activity <b>M295</b>	7							
		Soundness M295	DOT-175 <b>Ga175</b>							
	Density <i>M295</i> Chemical <i>M295</i>	7								
		7								
	Epoxy Adhesive	Pot Life <i>GDT-58</i>								
	Epoxy Adhesive Pot Life <i>GDT-58</i> Bond Strength <i>GDT-58</i> Mi	Misc.		<b>1</b>						
		Shelf Life	Ga168 GACERT		QPL-15					
		Condition	CACLINI		╡					+

						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	
	Cylinders	Compressive Strength <b>722</b>	DOT-319 <b>T152</b>							
450				<del>'</del>		,				
PRESSURE GROUTING	Concrete Grout									
PORTLAND CEMENT	Portland Cemen	t Air Content <b>T137</b>								
CONCRETE		Fineness <i>M85</i>								
PAVEMENT		Autoclave M85								
		Compressive Strength M85	DOT-175 <b>Ga175</b>		QPL-3					
		Vicat <b>T131</b>								
		Chemical <i>M85</i>								
	Calcium Chloride	Specification M144	DOT-319 <b>T152</b>							
	Water	Quality of Water to be Used in Concrete <b>726</b>		1 qt.	One per unpotable Source, per month			Enough in advance so that results are known before use		
	Fly Ash	Fineness M295								
		Activity <b>M295</b>			-					
		Soundness M295	DOT-175 <b>Ga175</b>		QPL-30					
		Density M295								
		Chemical M295			1					
	Fine Aggregate	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</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.		Stock	If Lime or Fly Ash is to be added, sample Total Mixture of Fine Aggregate as indicated.	
	Complete Mixture	Flow of Grout <i>GDT-84</i>			One per day of operation	Observe 1	per Project	During pumping operation		

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
					_					
		Penetration Resistance <b>ASTM C403</b>			One per Project <u>or</u> enough to insure proper setting time					
	Agricultural Lime				Pr	e-approved by Central L	_ab			
	Mineral Filler	Gradation GDT-22								
		Plasticity Index <b>T90</b>								
451										
PATCHING	24-Hour Concre	<u>te</u>								
PORTLAND CEMENT CONCRETE		Compressive Strength GDT-35 & T22				ach placement date. , 2 for 3 day)			Cylinder frequency &	
PAVEMENT		Air Content GDT-26 & GDT-35	DOT-319 <b>T152</b>		Air, Slump & Mix To required when cylin	emperature tests are nders are made & as			curing in accordance with Section 504 of the	
		Slump GDT-27				to insure adequate trols.			Specifications	
		Mix Temperature GDT-122								
	Portland Cement	Air Content <b>T137</b>								
		Fineness M85								
		Autoclave M85	DOT-175 <b>Ga175</b>		QPL-3					
		Compressive Strength M85	DO1-173 <b>Ga173</b>		Q1 L-3					
		Vicat <b>T131</b>								
		Chemical M85								
	00 0	Gradation <b>T27</b>								
		Wash 200 <b>T11</b>				QPL-1 Sources, 1 per				
		Sand Equivalent <i>GDT-63</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.	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 <b>T11</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1 per		Stock or Conveyor Belt		

						GUIDE FREQUENCY				
			1							
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	
CONCINCOTION	WINTERTIFIE	Name a Namber	Порог	O/ (IVII LL	710021 1711102	HOOGHANGE	7,000101102	O/WII EIIYO	I CLIVII II II C	
	Aggregate	Gradation <b>727</b>			based upon QPL-2, except for Section D, Stockpile Basis Sources; material fron 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.				
	Calcium Chloride	Specification <i>M144</i>	DOT-319 <b>T152</b>							
		Quality of Water to be Used in Concrete <b>726</b>	Ga088	1 qt.	One per unpotable Source, per month			Enough in advance so that results are known before use		
	Epoxy Adhesive	Pot Life <i>GDT-58</i>								
		Bond Strength GDT-58	Misc. Ga168 GACERT		QPL-15					
		Shelf Life			QPL-15					
		Condition								
		Tensile Stress ASTM D412								
		Durometer ASTM D2240								
		Bond GDT-106								
		Tack Free Time GDT-106								
		Extrusion GDT-106	Misc. Ga168		QPL-66					
		Non-Volatile GDT-106	GACERT		QFL-00					
		Specific Gravity ASTM D792								
		Adhesion <i>GDT-106</i>	1		7					
		Resistance ASTM D793	1		1					
	Polyethylene	Cell Structure								
	Polyethylene Cell Structure Foam Compression ASTM D1752	1								
		Recovery ASTM D1752 Gar	Misc. Ga168		QPL-20					
		Water Absorption <b>ASTM D1752</b>								
		Extrusion ASTM D1752								

						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	
	Rapid Setting Patching Material	Flow of Mortar ASTM C109								
	Material	Flexural Strength 797	1							
		Compressive Strength ASTM C109 or ASTM C31	Misc.		QPL-27 <u>or</u> pre-					
		Absorption ASTM C140	Ga168 GACERT		inspected by Central Lab Personnel			Stock		
		Chlorides <b>7260</b>	OAGENT		_Lab i ersonner					
		Shear Bond <b>Section 934.03</b>	-							
		Freeze-Thaw Durability Certification	-							
	Epoxy Concrete				Mix Designs submitted to the Central Lab for approval					
452										
FULL DEPTH SLAB REPLACEMENT		Compressive Strength GDT-35 & T22			One set of 4 for ea	ach placement date.				
		Air Content GDT-26	DOT-319 <b>T152</b>		Air & Slump tests are r	, 2 for 3 day) equired when cylinders				
		Slump <i>GDT-27</i>	]		are made & as judge	ed necessary to insure e controls				
		Mix Temperature <i>GDT-122</i>			auequate	e controis				
	Portland Cement	Air Content <b>T137</b>								
		Fineness M85								
		Autoclave M85	DOT-175 <b>Ga175</b>		QPL-3		Observe 1 per 750			
		Compressive Strength M85					yds <sup>3</sup>			
		Vicat <b>T131</b>								
		Chemical <b>M85</b>								1
	33 3	Gradation <b>727</b>	DOT-658 <b>Ga658</b>		One per 500 tons	QPL-1 Sources, 1 per				
		Minus No.200 <b>T11</b>			based upon QPL-1,	month, per active				

						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	
CONCINCOTION	IVII CI EI CII CE	Traine a ramber	rtoport	O/ (IVII LL	710021 1711402	7100011711102	7,0001011102	CHIVII EII VO	TEIW/ TETE	
		Sand Equivalent <i>GDT-63</i>			Stockpile Basis	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>								
	Aggregate	Gradation <b>727</b>	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 month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
	D - ' (	Number M31M								
		Weight <b>M31M</b>								
		Dimensions M31M								
		Deformation Spacing M31M								
		Height & Gap M31M	Reinforce-ment Test Report	2 pcs. @ 24" per size	QPL-12 & QPL-61	Random sampling at				
		Tensile Strength T244	Ga166	24" per size	QFL-12 & QFL-01	Fabricator				
		Yield Strength <b>T244</b>								
		Elongation <b>T244</b>								
		Bend Test <b>T285</b>								
		Chemical <i>M31M</i>								
		Number <i>M31M</i>								
		Weight <b>M31M</b>	Reinforce-ment 3 ba							
		Dimensions M31M		3 bars in						
		Deformation Spacing <i>M31M</i> *	Test Report  Ga166	basket assembly					*N/A for Plain Dowel	
		Height & Gap M31M*	1						Bars	
		Tensile Strength T244								

TEST PROCEDURES   REPORT SM   SUZE OF   ACCEPTANCE   ASSURANCE							GUIDE FREQUENCY				
Elongation 7244   Band Test 7285   Chemical M319   Coating 833.08   Chemical M319   Coating 833.08   Chemical M319   Coating 833.08   Chemical M319   Coating 833.08   Chemical M319   Chemi		MATERIAL					QUALITY	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
Elongation 7244   Band Test 7285   Chemical M319   Coating 833.08   Chemical M319   Coating 833.08   Chemical M319   Coating 833.08   Chemical M319   Coating 833.08   Chemical M319   Chemi		1	T	1	Т	1	1	T	<del>,</del>		T
Bend Test 7285   Chemical M371M   Counting 853.08   Chemical M371M   Counting 853.08   Chemical M371M D124   Chemical M371M D124   Chemical M371M D240			_								
Chemical M91M   Cohemical M91M   Cohemical M91M   Cohemical M95   Cohemical			_								
Conting 853.08   QPL-43											
Silicone Sealart   Tensile Stress ASTM D472   Durometer ASTM D2240   Bond 6D7-106   Extrusion 6D7-106   Extrusion 6D7-106   Adhesion 6D7-106   GACERT   GA											
Durometer ASTM D2240   Bond GDT-106   Tack Free Time GDT-106   Carting GDT-106   C			_			QPL-43					
Bond GDT-106   Tack Free Time GDT-106   Cartusing GDT-107   Cart											
Tack Free Time GDT-106   Extrusion GDT-106   Extrusion GDT-106   Non-Volatile GDT-106   Specific Gravity ASTM D792   Adhesion GDT-106   Resistance ASTM C793   Epoxy Adhesive Pot Life GDT-58   Sends Time GDT-58   Shelf Life GACERT   GATES   GATE			Durometer ASTM D2240								
Extrusion GDT-106											
Non-Volatile GDT-106   Specific Gravity ASTM D792   Adhesion GDT-106   Resistance ASTM C793   Epoxy Adhesive   Pot Life GDT-58   Short Life GDT-58   Shelf Life   GatCERT   Condition   Guidens   Gat188   Gat18			Tack Free Time GDT-106								
Non-Volatile GDT-106   Specific Gravity ASTM D792   Adhesive   Porting GDT-106   Resistance ASTM C793   Epoxy Adhesive   Porting GDT-58   Short Life GDT-58   Ga168   GACERT   Condition   Cylinders   Compressive Strength T22   DT-319   T152 / DDT-168   Ga168   Ga168   DDT-168   Ga168   DDT-168   Ga168   DDT-175 Ga175   DDT-175 Ga17			Extrusion GDT-106			OPL 66					
Adhesion GDT-106 Resistance ASTM C793 Epoxy Adhesive Pot Life GDT-58 Bond Strength GDT-58 Shelf Life GACERT Condition Cylinders Compressive Strength 722 D0T-319 T02.1 D0T-168 Ga168 Ga168 CONCRETE STRUCTURES  Portland Cement Air Content 7137 Fineness M85 Autoclave M85 Compressive Strength M85 Vicat 7131 Chemical M85 Portland Pozzolan Cement Air Content 17137 Fineness M240 Autoclave M85 Compressive Strength M85 Vicat 7137 Chemical M85 Air Content 7137 Fineness M85 Air Content 7137 Chemical M85 Air Content 7137 Fineness M85 Air Content 7137 Chemical M85 Air Content 7137 Air Content 7137 Chemical M85 Air Content 7137 Autoclave M85 Compressive Strength M85 Air Content 7137 Chemical M85 Air Content 7137 Air Content 7137 Chemical M85 Air Content 7137			Non-Volatile GDT-106			QFL-00					
Resistance ASTM C793			Specific Gravity ASTM D792								
Epoxy Adhesive			Adhesion <i>GDT-106</i>	1							
Bond Strength GDT-58   Shelf Life   Ga168   GACERT   Shelf Life   GACERT			Resistance ASTM C793	-							
Bond Strength GDT-58   Shelf Life   Ga168   GACERT   Shelf Life   GACERT		Epoxy Adhesive	Pot Life GDT-58								
Shelf Life   Gaf68   GACERT   Stock   Stock   GACERT						OPI 15 or one sample			-		
Condition   Cylinders   Compressive Strength 722   DOT-319   T152 / DOT-168   Ga168   Substituting the policy of			_		1 kit	per batch, per Type			Stock		
T152 / DOT-168   Cylinders   2 @ 3 days   yds³			Condition	GACERI							
CONCRETE   STRUCTURES   Portland Cement   Air Content 7137   Fineness M85   Autoclave M85   Autoclave M85   Compressive Strength M85   Vicat 7131   Chemical M85   Pozzolan Cement   Pozzolan Cement   Fineness M240   Autoclave M240   DOT-175 Ga175   DOT-		Cylinders	Compressive Strength <b>722</b>	<b>T152</b> / DOT-168		2 @ 24 hrs.; 2 @ 3 days		Observe 1 per 750 yds <sup>3</sup>			
STRUCTURES   Fineness M85	500				1						
Autoclave M85 Compressive Strength M85 Vicat T131 Chemical M85 Portland Pozzolan Cement Pinteriess M85 Autoclave M85 DOT-175 Ga175 10 lbs.  QPL-3 One per Quarter, per Source, per District  One per Quarter, per Source, per District  Stock  DOT-175 Ga175  DOT-175 Ga175  DOT-175 Ga175  DOT-175 Ga175		Portland Cement	Air Content <b>7137</b>								
Compressive Strength M85   Vicat T131   Chemical M85   Portland Pozzolan Cement   Fineness M240   Autoclave M240   DOT-175 Ga175   DOT-175 G	STRUCTURES		Fineness <i>M85</i>								
Compressive Strength M85   Vicat T131   Vicat M85			Autoclave <b>M85</b>	†			One per Quarter per				
Chemical <i>M85</i>			Compressive Strength M85	DOT-175 <b>Ga175</b>	10 lbs.	QPL-3			Stock		
Portland			Vicat <b>7131</b>	1					1		
Portland			Chemical <i>M85</i>	1					┪		
Pozzolan Cement Fineness <i>M240</i> Autoclave <i>M240</i> DOT-175 <b>Ga175</b>											<del>                                     </del>
Autoclave M240 DOT-175 Ga175		Pozzolan		†							
		Cement		DOT-175 <b>Ga175</b>							
			Compressive Strength M240	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	I	1		1			T		T 1
		Vicat <b>T131</b>								
		Chemical M240								
	Fly Ash	Physical & Chemical <b>ASTM C311</b>								
		Fineness M295	1							
		Activity M295	DOT-175 <b>Ga175</b>	10 lbs.	QPL-30	One per Quarter, per Source, per District		Stock		
		Soundness M295				Source, per District				
		Density M295								
		Chemical M295								
	Slag	Fineness M302								
		Activity M302								
		Soundness M302	DOT-175 <b>Ga175</b>	10 lbs.	QPL-30	One per Quarter, per Source, per District		Stock		
		Density M302				Source, per District				
		Chemical M302								
		Wash 200 <b>T11</b>								
		Gradation <b>727</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis	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		
	Fine Aggregate									
		Sand Equivalent GDT-63				QPL-2 Sources, 1 per				
		Wash 200 <b>T11</b>	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.	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		

						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	
	Water	Quality of Water to be Used in Concrete <b>726</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 <i>M154</i>	T152	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>	Ga175	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		
	Steel Bars for	Number <i>M31M</i>	5/102111	1 90	Q1 L 20	TVOTIC		Gtook		
	Reinforcement	Weight <b>M31M</b>	-			-				
		Dimensions <i>M31M</i>	-			-				
		Deformation Spacing M31M	1							
		Height & Gap M31M	Reinforce-ment	2 ncs @		Random sampling at				
		Tensile Strength T244	Test Report Ga166	2 pcs. @ 24" per size	QPL-12 & QPL-61	Fabricator				
		Yield Strength <b>T244</b>	Juliou			<u> </u>				
		Elongation T244								
		Bend Test T285	1							
		Chemical <i>M31M</i>								
	Steel Wire for	Size M32M								
	Reinforcement	Diameter M32M	1							
		Area <b>M32M</b>	Reinforce-ment							
		Tensile Strength T244	Test Report		Certified Mill Test Report					
		Yield Strength T244	Ga166		riopon					
		Area Reduction T244								
		Bend Test M32M								
	Welded Steel	Size <b>M55M</b>								
	Wire Fabric for Reinforcement	Diameter <i>M55M</i>								
		Area <b>M55M</b>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		]					
		Tensile Strength T244	Welded Wire Test Report <b>Ga166</b>		QPL-55					
		Yield Strength <b>T244</b>								
		Area Reduction T244			]					
		Bend Test M55M								

						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	
			1	•		_		_		
		Weld Shear Strength <b>M55M</b>								
		Width <i>M55M</i>								
		Length M55M								
		Spacing <i>M55M</i>								
	Permanent Steel Bridge Deck Forms	ASTM A446 & ASTM A525	GACERT		Certified Mill Test Report					
	Dowel Bars	Number <i>M31M</i>								
		Weight <i>M31M</i>	1							
		Dimensions <i>M31M</i>	1							-
		Deformation Spacing <i>M31M</i> *							*N/A for Plain Dowel Bars	
		Height & Gap <i>M31M</i> *	Reinforce-ment							
		Tensile Strength T244	Test Report Ga166							
		Yield Strength <b>T244</b>	Garoo							
		Elongation <b>T244</b>								
		Bend Test <b>T285</b>	-							
		Chemical <i>M31M</i>								
		Coating <b>853.08</b>	1		QPL-43					
		Specification Requirements <i>M115, M118 or M121</i>	GACERT	1 qt.	One per Type, per Source			Before application		
	Curing Agent	Specification for Liquid Membrane Curing <b>M148</b>	DOT-168 <b>Ga168</b>		QPL-16			Stock		
	Concrete	& T22	DOT-319 <b>T152</b> <b>Ga168</b>	2 cylinders	See NOTE 1		Observe 1 set per 750 yd <sup>3</sup>	During pouring	Cylinders to be broken in Branch or Central Lab	
		NOTE 1: One set per each 50 y shall be fabricated for each cumuplaced in another structure.	I d <sup>3</sup> of each Class o ulative 50 yd <sup>3</sup> or fra	of Concrete plaction thereof,	aced daily for each stru , of Concrete placed pe	I octure, except for Concr r week in each structure	ete used in Bridge Curb e. Cylinders shall not be	I , Handrail or Wall Coping. e fabricated at one structur	Two Concrete cylinders e to represent Concrete	
			DOT-319 <b>T152</b> <b>Ga168</b>	See NOTE	When cylinders are made		One set per 750 yd <sup>3</sup>		Additional Slump test will be required when Water is added on Project	

						GUIDE FREQUENCY				
TYPE ONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
	T	Ol., ODT 07	<u></u>		T		Ob 4 750 1	31	T	
		Slump <i>GDT-27</i>					Observe 1 per 750 yd			
		Mix Temperature <i>GDT-122</i>			+					
		NOTE 2: Air, Slump & Mix Tem	nperature tests are a	all required wh	l nen cylinders are made	& as judged necessary	to insure adequate co	ntrols. Additional tests are	recommended at least	
		every third load on bridge deck	placement.			<b>,</b> g	,			
	Concrete for	Air Content GDT-26 & GDT-35	DOT-319							
	Pipe Head- Walls, Spill-		T152	See <b>NOTE</b>				During pouring operation		
	ways, Slope	Slump <i>GDT-27</i> <b>NOTE</b> : Acceptance of Concrete	Ga168							
	Guardrails, Misc. Drainage Structures, Highway Light, Fence	performed as judged necessary	1000							
		Tensile Stress ASTM D412								
		Durometer ASTM D2240								
		Durometer <b>ASTM D2240</b> Bond <b>GDT-106</b>								
		Durometer ASTM D2240 Bond GDT-106 Tack Free Time GDT-106	Misc.							
		Durometer ASTM D2240 Bond GDT-106 Tack Free Time GDT-106 Extrusion GDT-106	Misc. <b>Ga168</b>		QPL-66					
		Durometer ASTM D2240 Bond GDT-106 Tack Free Time GDT-106 Extrusion GDT-106 Non-Volatile GDT-106			QPL-66					
		Durometer ASTM D2240  Bond GDT-106  Tack Free Time GDT-106  Extrusion GDT-106  Non-Volatile GDT-106  Specific Gravity ASTM D792	Ga168		QPL-66					
		Durometer ASTM D2240  Bond GDT-106  Tack Free Time GDT-106  Extrusion GDT-106  Non-Volatile GDT-106  Specific Gravity ASTM D792  Adhesion GDT-106	Ga168		QPL-66					
		Durometer ASTM D2240  Bond GDT-106  Tack Free Time GDT-106  Extrusion GDT-106  Non-Volatile GDT-106  Specific Gravity ASTM D792  Adhesion GDT-106  Resistance ASTM C793	Ga168		QPL-66					
	Epoxy Adhesive	Durometer ASTM D2240 Bond GDT-106 Tack Free Time GDT-106 Extrusion GDT-106 Non-Volatile GDT-106 Specific Gravity ASTM D792 Adhesion GDT-106 Resistance ASTM C793 Pot Life GDT-58	Ga168		QPL-66					
	Epoxy Adhesive	Durometer ASTM D2240  Bond GDT-106  Tack Free Time GDT-106  Extrusion GDT-106  Non-Volatile GDT-106  Specific Gravity ASTM D792  Adhesion GDT-106  Resistance ASTM C793	Ga168 GACERT		QPL-66					
	Epoxy Adhesive	Durometer ASTM D2240 Bond GDT-106 Tack Free Time GDT-106 Extrusion GDT-106 Non-Volatile GDT-106 Specific Gravity ASTM D792 Adhesion GDT-106 Resistance ASTM C793 Pot Life GDT-58	Ga168 GACERT		QPL-66  QPL-15 or 1 sample,			Charle		
	Epoxy Adhesive	Durometer ASTM D2240  Bond GDT-106  Tack Free Time GDT-106  Extrusion GDT-106  Non-Volatile GDT-106  Specific Gravity ASTM D792  Adhesion GDT-106  Resistance ASTM C793  Pot Life GDT-58  Bond Strength GDT-58	Ga168 GACERT	1 kit						
	Epoxy Adhesive	Durometer ASTM D2240  Bond GDT-106  Tack Free Time GDT-106  Extrusion GDT-106  Non-Volatile GDT-106  Specific Gravity ASTM D792  Adhesion GDT-106  Resistance ASTM C793  Pot Life GDT-58  Bond Strength GDT-58  Shelf Life	Ga168 GACERT	1 kit	QPL-15 <u>or</u> 1 sample,			Stock		
	Epoxy Adhesive	Durometer ASTM D2240 Bond GDT-106 Tack Free Time GDT-106 Extrusion GDT-106 Non-Volatile GDT-106 Specific Gravity ASTM D792 Adhesion GDT-106 Resistance ASTM C793 Pot Life GDT-58 Bond Strength GDT-58 Shelf Life Viscosity ASTM D1084	Ga168 GACERT	1 kit	QPL-15 <u>or</u> 1 sample,					

						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	
STEEL STRUCTURES	Structural Steel	Charpy <b>ASTM E23</b>								
STRUCTURES		Thickness								
		Yield Strength ASTM A370		4" X 12" per						
		Tensile Strength ASTM A370	Misc. Ga168	heat number (4" length is in direction	Certified Mill Test Report, pre-inspected			Fabrication about	Sampling in Accordance with SOP-8 &	
		Elongation ASTM A370	GACERT	of roll; main	& GDT stamped			-	Supplemental Specifications 501.01	
		Reduction of Area <b>ASTM A370</b>	-	members only)					opecinications 301.01	
		Hardness ASTM A370	_					-		
		Chemical <b>ASTM A709</b>	1					-		
	Cold Finished	Chemical <i>M169</i>	Misc.							
	Carbon Shafting	Certification	Ga168 GACERT		Certified Mill Test Report					
	Steel Castings	Chemical <i>M103</i>								
		Tensile Strength T244								
		Yield Strength <b>T244</b>	Misc.							
		Elongation <b>T244</b>	Ga168		Certified Mill Test Report					
		Reduction of Area T244	GACERT		ποροπ					
		Dimensions								
		Certification								
	Paints	Pigment ASTM D2371								
		Non-Volatile Vehicle								
		Grind			QPL-46 (Systems IV &					
		Viscosity ASTM D562			V): pre-inspected by					
		Dry Time ASTM D711	Misc. Ga168	1 qt.	Central Lab Personnel & GDT stamped			Supplier (Systems IV &		
			GACERT		QPL-54 & QPL-73			V only)		
		Weight per Gallon ASTM D1475			(System VI): not GDT stamped					
		Color	1							
		Certification	1							
	Steel Bolts, Nuts	ASTM A307	Misc.							
	& Washers	Chemical ASTM F568	Ga168	3 bolts	Certified Mill Test Report			Stock	Independent Assurance: sample occasionally	
		Yield Strength ASTM F606	GACERT		TOPOIT				ouriple occasionally	

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
		Tensile Strength ASTM F606								
		Elongation ASTM F606								
		Reduction of Area ASTM F606								
		Hardness ASTM F606								
		Length Diameter								
		Thread Class						-		
		Galvanization <b>ASTM A90 or</b>								
		ASTM E376								
	High Tensile	ASTM A325 & ASTM A490								
	Strength Bolts, Nuts & Washers									
	Trate a Waenere	Chemical <b>ASTM F568</b>								
		Yield Strength ASTM F606								
		Tensile Strength ASTM F606								
		Elongation ASTM F606		Three of						
			Misc. <b>Ga168</b>	each, per Rotational	Pre-inspected by	Three bolt assemblies		Fabricatas as Complias	Camania fan aaab Dusiaat	
			GACERT	Capacity Lot Number	Central Lab Personnel	per Rotation Capacity Lot Number (RCP)		Fabricator or Supplier	Sample for each Project	
		Hardness ASTM F606		(RCP)						
		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>	Misc.	diameter,	Pre-inspected by			1		
		Elongation <b>T244</b>	Ga168 GACERT	per Heat Number per	Central lab Personnel			Fabricator or Supplier		
		Reduction of Area <b>T244</b>	JAGEN 1	Project				1		
		Thread Dimensions								
		Size								

						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	ln:		1	1	1	1	T	T	ı
		Diameter						_		
		Length						_		
	<u> </u>	Chemical								
	Shear Connectors	Charpy ASTM E23			_					
		Thickness			_					
		Yield Strength ASTM A370								
		Tensile Strength ASTM A370			-					
		Elongation ASTM A370	Misc. Ga168 GACERT		QPL-6 & Certified Mill Test Report					
		Reduction of Area ASTM A370	GACERI							
		Hardness ASTM A370	1		-					
		Chemical ASTM A709			1					
		Length	_		1					
	Elastomeric	Hardness ASTM D2240								
	Bearing Pads	Tensile Strength ASTM D412								
		Elongation ASTM D412	_							
		Heat Resistance ASTM D573								
		Compression Set <b>ASTM D395</b>	Misc. Ga168 GACERT	1 pad per Lot Number, per size, per	Pre-inspected by Central Lab Personnel & GDT stamped			Supplier	Independent Assurance: sample occasionally	
		Brittleness ASTM D746	GACERI	Project	& GDT stamped				,	
		Dimensions						†		
		Laminate Thickness						-		
		Tensile Strength M183						1		
		Yield Strength M183						1		
		Elongation M183						1		
	Plain Cotton Duck	Certification	Misc. Ga168 GACERT		Certified Mill Test Report					

					(	GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT <b>SM</b>	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
				_						
	Rubber Impregnated Cotton Duck		Misc. Ga168 GACERT		Certified Mill Test Report					
	Galvanizing	ASTM A90 or ASTM E376	Misc. Ga168 GACERT							
	Self-Lubricating Bronze Bearing & Expansion Plates & Bushings		Misc. Ga168 GACERT		Certified Mill Test Report					
502										
TIMBER STRUCTURES	Treated Timber	Retention of Preservative AWPA C14	Misc. Ga168 GACERT		QPL-50, pre-inspected by Authorized Agency & AWW stamped				Independent Assurance: sample occasionally	
	Untreated Timber		Misc. Ga168 GACERT		Certification of Inspection from Vendor & Visual Inspection; Grade Stamp required					
	Lumber & Timber		Misc. Ga168 GACERT		QPL-50, pre-inspected by Authorized Agency & AWW stamped					
	Preservative Treatment	Certification	Misc. Ga168 GACERT		QPL-50, pre-inspected by Authorized Agency & AWW stamped					
	Paints	Pigment ASTM D2371 Non-Volatile Vehicle Grind Viscosity ASTM D562 Dry Time ASTM D711	Misc. Ga168 GACERT	1 qt.	QPL-46 (Systems IV & V): pre-inspected by Central Lab Personnel & GDT stamped QPL-54 & QPL-73 (Systems VI): not					

						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	
		Percent Volatile			GDT stamped	T		T		
		Weight per Gallon <b>ASTM D1475</b>	1		OD1 Stamped					
		Weight per Caller Actin 21470								
		Color								
		Certification	1							
	Misc. Bridge	Chemical ASTM F568								
	Hardware (Galvanized	Yield Strength ASTM F606	1							
	Items)	Tensile Strength ASTM F606								
		Elongation ASTM F606	1					-		
		Reduction of Area ASTM F606	Misc. <b>Ga168</b>		Certified Mill Test			Stock	Independent Assurance:	
			GACERT		Report -			Glock	sample occasionally	
		Length								
		Diameter	1					†		
		Thread Class								
		Galvanization ASTM A90 or ASTM E376			1					
	Structural Steel	Charpy ASTM E23								
		Thickness	-							
		Yield Strength ASTM A370	1							
			Misc. <b>Ga166</b> <b>Ga168</b>		Certified Mill Test Report, pre-inspected					
		Elongation ASTM A370	GACERT		& GDT stamped					
		Reduction of Area ASTM A370	1							
		Hardness <b>ASTM A370</b>	1							
		Chemical ASTM A709	1							
	Plain Cotton Duck	Certification	Misc. Ga168 GACERT		Certified Mill Test Reportr					
	Misc. Steel	Grade <b>As Specified</b>	Misc.		Certified Mill Test					
		Yield Strength <b>T244</b>	Ga166		Report					

						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	
		Tensile Strength T244 Size Elongation T244 Reduction of Area T244 Thread Dimensions Diameter Length Chemical Rotation ASTM A325 Galvanization ASTM A90 or	GA168 GACERT							
503	0(2.2) 0(3)	ASTM E376								
STEEL GRID FLOORING	Steel Grid	Grade <i>As Specified</i> Galvanization <i>ASTM A123</i>	Ga166 GACERT		Pre-inspected & GDT stamped					
	Paint	Specification Requirement Section 870.01	Paint Report GACERT	1 qt.	QPL-46 (Systems IV & V): pre-inspected by Central Lab Personnel & GDT stamped QPL-54 andQPL-73 (System VI): not GDT stamped					
	Concrete		T152	Bridge Cu	urb or Wall Coping. Two ereof, of Concrete place	Concrete cylinders sha	all be fabricated for eacucture. Cylinders shall	scept for Concrete used in ch cumulative 50 yds <sup>3</sup> or not be fabricated at one re.		
504										
TWENTY-FOUR HOUR ACCELERATED STRENGTH CONCRETE	Concrete Compressive Strength	Cylinders <i>GDT-35</i> & <i>T22</i> Air Content <i>GDT-26</i> & <i>GDT-35</i> Slump <i>GDT-27</i> Mix Temperature <i>GDT-122</i>	-DOT-319 <b>T152</b>		One set of 4 for ea (2 for 1 day, Air, Slump & Mix Te required when cylin judged necessary to in	2 for 3 day) emperature tests are			In accordance with Section 504 of the Specifications	
	Portland Cemen	t Air Content <b>T137</b> Fineness <b>M85</b> Autoclave <b>M85</b>	DOT-175 <b>Ga175</b>							

						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	T	
		Compressive Strength M85								
		Vicat <b>T131</b>								
		Chemical M85								
	00 0	Gradation <b>T27</b>								
		Wash 200 <b>T11</b>				QPL-1 Sources, 1 per				
		Sand Equivalent <i>GDT-63</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.	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 <b>T11</b>								
	Aggregate	Gradation <b>T27</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2,	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 <b>T152</b>							
	Water	Quality of Water to be Used in Concrete <b>726</b>	Ga088	1 qt.*	One per unpotable Source, per month			Enough in advance so that results are known before use	*non-metal container	
505		<u> </u>	·	•	<u> </u>	' <u> </u>		•		
CORRUGATED STEEL BRIDGE	Corrugated Steel Plank for Bridges	ASTM A123 or ASTM A525								
	Bridges	Yield Strength T244	Misc.		Certified Mill Test				Independent Assurance:	
		Tensile Strength T244	Ga168 GACERT		Report				sample occasionally	
		Width								
		Thickness								

						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	
		Depth & Spacing of Corrugations Chemical ASTM A570 Galvanization ASTM A90 or ASTM E376	-							
		Certification		-						
	Paints	Pigment <b>ASTM D2371</b> Non-Volatile Vehicle Grind						-		
		Viscosity <b>ASTM D562</b>	Misc.		QPL-46 (Systems IV & V): pre-inspected by Central Lab Personnel					
		Dry Time <b>ASTM D711</b> Percent Volatile	Ga168 GACERT	1 qt.	& GDT stamped QPL-54 & QPL-73			Supplier (Systems IV & V only)		
		Weight per Gallon <i>ASTM D1475</i>			(System VI): not GDT stamped					
		Color Certification						-		
506										
EXPANDED MORTAR	Portland Cement		Ga175	Sampled &	tested in conjunction wi additional sample requ	th other Concrete const ired under normal circu	truction on Project. No mstances.			
	Aggregate		DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials from Section D Sources.		Stock or Conveyor Belt		
	00 0	Gradation <b>727</b> Sand Equivalent <b>GDT-63</b>	DOT-658 <b>Ga658</b>	20 lbs.		QPL-1 Sources, 1 per month, per active		Stock or Conveyor Belt		

			-			GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	DEMARKO	
CONSTRUCTION	INATERIAL	Name & Number	Report	SAIVIPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
		Wash 200 <b>T11</b>			except for Section D, Stockpile Basis Sources; material fron 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.				
	Aluminum Powder	Fineness ASTM D480	GACERT	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>	Ga088	1 qt.*	One per unpotable Source, per month			Enough in advance so that results are known before use	*non-metal container	
507					1					
PRESTRESSED		Chemical ASTM A370								
CONCRETE BRIDGE MEMBERS	– Threaded Ends	Tensile Strength T244	1							
IVIEIVIDERS	Elius	Yield Strength <b>T244</b>	1							
		Elongation <i>T244</i>	Ga166							
		Reduction of Area T244	1							
		Thread Dimensions	1							
		Hardness ASTM A370	1							
	Anchor Bolts	Grade As Specified on Plans								
		Yield Strength <b>T244</b>	1					-		
		Tensile Strength T244	1					1		
		Elongation <b>T244</b>	1	4				1		
		Reduction of Area T244	Misc. Ga168	1 each: Bolt, Nut &	Certified Mill Test			Stock		
		Thread Dimensions		Washer	Report					
		Size						1		
		Diameter	†					1		
		Length	1					1		
		Chemical	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	
	la	lo un u			In	T	T	To		
	Bushings, Bearings & Expansion Plates	Certification	GACERT		Certified Mill Test Report			Stock		
	Structural Steel	Charpy ASTM E23								
		Thickness						†		
		Yield strength ASTM A370	1					1		
		Tensile Strength ASTM A370	Misc.		Certified Mill Test					
		Elongation ASTM A370	Ga166 GACERT		Report, pre-inspected & GDT stamped			Stock		
		Reduction of Area ASTM A370	GACERT		a OD1 stamped					
		Hardness <b>ASTM A370</b>	-		-			-		
		Chemical ASTM A709	-					†		
	Elastomeric	Hardness ASTM D2240								
	Bearing Pads	Tensile Strength ASTM D412								
		Elongation ASTM D412								
		Heat Resistance ASTM D573	1							
		Compression Set ASTM D395	Misc. Ga168 GACERT	1 pad per Lot Number, per size, per	Pre-inspected by Central Lab Personnel & GDT stamped			Supplier		
		Brittleness ASTM D746	CAGERI	Project	d OD1 Stamped			1		
		Dimensions								
		Laminate Thickness								
		Tensile Strength M183								
		Yield Strength <b>M183</b>								
		Elongation M183								
	Plain Cotton Duck	Weight	Ga168	1 yd²	One per shipment			Stock		
	Rubber	Weight								
	Impregnated Cotton Duck	Compressive Strength								
	Paints	Pigment ASTM D2371	Misc.	1 qt.	QPL-46 (Systems IV &					

						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	
		Non-Volatile Vehicle	Ga168		V): pre-inspected by		<u> </u>			
		Grind	GACERT		Central Lab Personnel					
		Viscosity <b>ASTM D562</b>			& GDT stamped QPL-54 & QPL-73					
		Dry Time <b>ASTM D711</b>			(System VI): not GDT					
		Percent Volatile			stamped					
		Weight per Gallon <b>ASTM D1475</b>								
		Color								
		Certification								
	Bridge Members		Ga168 GACERT		QPL-9, Plant Shipping Report (OMR-22) & Official Plant Stamp. Bridge Beams: same as above & GDOT stamp					
508										
ASPHALT PLANK		Dimensions	Ι							
BRIDGE FLOOR	Asphalt Plank	Weight of Surface Absorption		2				1		
		Brittleness		1 yd <sup>2</sup>	One per Lot			Stock		
		Hardness M46								
	Cutback Asphalt	Viscosity <b>T201</b>	DOT-325 <b>Ga325</b>	1 qt.	QPL-7			Before application		
	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504 <b>Ga504</b>	1 qt.	QPL-7			Before application		
511										
REINFORCEMENT	Steel Bars for	Number <i>M31M</i>								
STEEL	Reinforcement	Weight <b>M31M</b>						-		
	Weight <b>M31M</b> Dimensions <b>M31M</b>									
		Deformation Spacing <b>M31M</b> Reir	Reinforce-ment	2 @ 24" per	QPL-12, QPL-61 &	Random sampling of		1	One sample per size, per	
		Height & Gap <i>M31M</i>	Test Report Ga166 GACERT	size	Certified Mill Test Report	Fabricator			Project by Independent Assurance Personnel	
		Tensile Strength T244						1		
		Yield Strength T244								
		Elongation <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	
		1	1	1	T	1	T			
		Bend Test <b>T285</b>								
		Chemical M31M								
	Wire Bar Suppo				_	1				
	Galvanized	Shape								
		Height	Misc. <b>Ga166</b>							
		Wire Size	GACERT							
		Galvanization ASTM A123								
	Stainless	Shape								
		Height	Misc.							
		Wire Size	Ga166							
		Chemical	GACERT							
		Tensile Strength T244								
	Bright	Shape	Misc.							
		Height	Ga166							
		Wire Size	GACERT							
	Plastic Covered	Shape								
		Height	Misc							
		Wire size	Misc. <b>Ga166</b>							
		Tensile Strength T244	GACERT							
		Hardness ASTM D2240								
	Epoxy Coated	Shape								
		Height	Misc.							
		Wire Size	Ga166							
		Thickness	GACERT							
		Condition								
	Plastic	Shape								
		Height								
		Wire Size	Misc.							
		Compressive Strength T22	Ga166 GACERT							
		Water Absorption ASTM D570	1							
512										
SHEAR	Stud	Charpy ASTM E23	Misc.		QPL-6 & Certified Mill					
CONNECTORS		Thickness	Ga166		Test Report					

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
		Yield Strength ASTM A370	GACERT							
		Tensile Strength ASTM A370								
		Elongation ASTM A370	-							
		Reduction of Area ASTM A370								
		Hardness ASTM A370	-							
		Chemical ASTM A709								
		Length								
	Channel	Certification	Misc.		QPL-6 & Certified Mill Test Report					
513										
PRECAST REINFORCED CONCRETE BOX CULVERT BARREL SECTIONS & END SECTIONS	Complete Units		DOT-164A <b>Ga164a</b> / DOT- 619		QPL-4 with CPT stamp <u>or</u> pre- inspected by Central Lab Personnel & GDT stamped					
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>	1							
		Autoclave <b>M85</b>	DOT-175 <b>Ga175</b>		QPL-3					
		Compressive Strength <i>M85</i>	DOI-175 <b>Ga175</b>		QFL-3					
		Vicat <b>T131</b>								
		Chemical M85								
	Portland Pozzolan	Air Content <b>T137</b>								
	Cement	Fineness M240	-							
		Autoclave M240	DOT-175 <b>Ga175</b>		QPL-3					
		Compressive Strength M240	1							
		Vicat <b>T131</b>	-		4					
		Chemical <i>M240</i>								
	Fine Aggregate	Gradation 127	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons	QPL-1 Sources, 1 per				

						GUIDE FREQUENCY				
T) (DE		TEGT BROOFFILIPES		0175.05			INDEDENDENT	LOCATION OF THE OF		
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	
				<u> </u>						
		Sand Equivalent <i>GDT-63</i>			Stockpile Basis	month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
		Wash 200 <b>T11</b>								
	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.				
	D : (	Number M31M								
		Weight <b>M31M</b>								
		Dimensions <b>M31M</b>								
		Deformation Spacing M31M								
		Height & Gap <i>M31M</i>	Reinforce-ment Test Report	2 ea. @ 24"	Certified Mill Test	Random Sampling at				
		Tensile Strength T244	Ga166 GACERT	per size	Report	Precast Manufacturer				
		Yield Strength T244								
		Elongation <b>T244</b>								
		Bend Test <b>T285</b>								
		Chemical <b>M31M</b>	1							
		Steel Wire for Reinforcement Diameter M32M  Area M32M  Reinforcement Rei								
	Reinforcement		]		]					
			Reinforce-ment		Certified Mill Test					
			Test Report  Ga166 GACERT		Report					
		Yield Strength T244								
		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	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
		D 17 / ##00##	T	T	T	T				
	M/-1-11-0(1	Bend Test M32M								
	Welded Steel Wire Fabric for	Size M55M	_							
	Reinforcement	Diameter <i>M55M</i>	_							
		Area <b>M55M</b>	_							
		Tensile Strength <b>T244</b>	_							
		Yield Strength <b>7244</b>	Welded Wire Test			Random Sampling at				
		Area Reduction <b>T244</b>	Report Ga166 GACERT	1 ft <sup>2</sup>	QPL-55	Precast Manufacturer				
		Bona root moom	GACERI							
		Weld Shear Strength <i>M55M</i>								
		Width <i>M55M</i>								
		Length <i>M55M</i>								
		Spacing <i>M55M</i>								
	Cylinders	Compressive Strength <b>722</b>	DOT-319 <b>T152</b> 3 ea.	3 ea.						
		Chemical <b>ASTM F568</b>								
	& Washers	Yield Strength ASTM F606								
		Tensile Strength ASTM F606								
		Elongation ASTM F606			_					
		Reduction of Area ASTM F606	Misc. <b>Ga166</b>		Certified Mill Test					
		Hardness <b>ASTM F606</b>	GACERT		Report					
		Length	1							
		Diameter	1							
		Thread Class	1							
		Galvanization ASTM A90 or ASTM E376								
	Anchor Bolts	Grade <b>As Specified</b>								
		Yield Strength <b>T244</b>								
		Tensile Strength T244	Misc.		1					
		Elongation <b>T244</b>	Ga166		Certified Mill Test					
		Reduction of Area <b>T244</b>	GACERT		Report					
		Thread Dimensions	1		1					
		Size	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	I	1				I	1		
		Diameter								
		Length								
		Chemical								
	01 1 D'	Diameter	N 4'							
	-	Depth & Spacing of Corrugations <i>M36</i>	Misc. Ga166 GACERT		Certified Mill Test Report					
		Thickness								
	Corrugated	Diameter								
	Plastic Pipe	Depth & Spacing of Corrugations <b>M252</b>								
		Thickness	1							
		Stiffness ASTM D2412	Misc.							
		Flattening M252	Ga164a Ga168	Certified Mill Test Report						
		Elongation M252	GACERT		-кероп					
		Brittleness M252								
		Flexibility M252	1							
		Couplings M252	1							
		Strength M252	1							
	Backfill Backfill		•		-1		l			
	Type I – Class I	Gradation GDT-4								
	& İl Soil	Percent Clay GDT-4	1							
		Volume Change GDT-6	DOT-408 <b>Ga408</b> /	00 !!		One per major soil				
		Density GDT-7 or GDT-67	DOT-97 <b>Ga097</b>	30 lbs.		Туре				
		Classification Section 810								
	Type II – Backfill Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	45 lbs.		As required by Project Engineer				
	Type III –	Density <b>GDT-7</b>	DOT-408 <b>Ga408</b> /		Notify Central Lab					

						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	
	•			•				<u> </u>		
	Soil/Organic	Condition of Mixture	DOT-97 <b>Ga097</b>							
F44										
514 EDOVALOGATED	0, 15, (	h				1				
EPOXY COATED STEEL	Steel Bars for Reinforcement	Number M31M	_		_					
REINFORCEMENT		Weight M31M								
		Dimensions M31M	_		_					
		Deformation Spacing <b>M31M</b>	Deinforce mont		_					
		Height & Gap <i>M31M</i>	Reinforce-ment Test Report		Certified Mill Test					
		Tensile Strength <b>T244</b>	Ga166 GACERT		Report					
		Yield Strength <b>T244</b>								
		Elongation <b>T244</b>								
		Bend Test <b>T285</b>								
		Chemical M31M								
	Epoxy Coating	Thickness ASTM G12	Misc. GACERT		QPL-38 & QPL-43					
		Adhesion <i>M284</i>			a. 2 33 34 4. 2 13					
515				T						
HANDRAIL - FERROUS METAL & PIPE	Anchor Bolts	Specification Requirements	Misc. GACERT		Accepted by Proje	ect Personnel based on Certified Mill Test Repo	Visual Inspection & rt			
	Handrail & Misc. Steel Items	Galvanization ASTM A123	Misc. <b>Ga165h</b> <b>GACERT</b>		Finished Hand	Irail inspected by Centra	l Lab Personnel			
	Structural Steel	Charpy ASTM E23								
		Thickness	†		1					
		Yield Strength ASTM A370	-		<del>-</del>					
		Tensile Strength ASTM A370	Misc. <b>Ga165h</b>		Certified Mill Test					
		Elongation ASTM A370	GACERT		Report					
		Reduction of Area <b>ASTM A370</b>								
		Hardness <b>ASTM A370</b>	1		1					
		Chemical <b>ASTM A709</b>	†		-					
	Malleable Iron	Chemical ASTM A27	Misc. GACERT		Certified Mill Test					
			WIIGO. GAGLINI		Contined Will Test	1	l .			

						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	
	Castings	Tensile Strength T244			Report					
		Yield Strength <b>T244</b>								
		Elongation <b>T244</b>								
		Reduction of Area <b>T244</b>								
	Steel Castings	Chemical M103								
		Tensile Strength T244								
		Yield Strength T244								
		Elongation <i>T244</i>	Misc. GACERT		Certified Mill Test Report					
		Reduction of Area T244			Порон					
		Dimensions								
		Certification								
	Steel Pipe	Chemical ASTM A53								
		Yield Strength <b>T244</b>								
		Tensile Strength T244								
		longation <b>T244</b>								
		Bending ASTM A53								
		Flattening ASTM A53								
		Non-Destructive Electric Test ASTM A53	Misc. Ga165h GACERT		Certified Mill Test Report					
		Weight								
		Diameter								
		Thickness								
		Finish								
		Appearance								
	Steel Bolts, Nuts	Chemical ASTM F568								
	& Washers	Yield Strength ASTM F606								
		Tensile Strength ASTM F606	1							
		Elongation ASTM F606	1		Certified Mill Test					
	Elongation <i>ASTM F606</i> Reduction of Area <i>ASTM F606</i> Hardness <i>ASTM F606</i>	-Misc. <b>GACERT</b>		Report						
		Length	1		1					
		Diameter	1		1					

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
		Thread Class								
		Galvanization ASTM A90 or ASTM E376								
	Paints	Pigment ASTM D2371								
		Non-Volatile Vehicle								
		Grind			QPL-46 (Systems IV &					
		Viscosity ASTM D562			V): pre-inspected by					
		Dry Time ASTM D711	Mica CACERT	1 ~+	Central Lab Personnel & GDT stamped					
		Percent Volatile	Misc. <b>GACERT</b>	1 qt.	QPL-54 & QPL-73					
		Weight per Gallon ASTM D1475			(System VI): not GDT stamped					
		Color			stamped					+
		Certification			Certified Mill Test Report					+
	Plain Steel Bars	Chemical ASTM A370								
		Tensile Strength T244								
		Yield Strength <b>T244</b>	Misc.							
		Elongation <b>T244</b>	Ga166							
		Reduction of Area T244	GACERT							
		Thread Dimensions								
		Hardness ASTM A370								
516										
ALUMINUM		Chemical								
HANDRAIL	Materials	Thickness								
		Dimensions								
		Tensile Strength T244								
		Yield Strength T244	Misc.		O a self a al Mall Tarat					
		Elongation <b>T244</b>	Ga165		Certified Mill Test Report					
		Bend Diameter Factor <b>ASTM B209</b>	GACERT							
		Hardness ASTM B241			1					
		Shear Strength ASTM B565								
	Caulking Compound	Certification	Misc. GACERT		Manufacturer's Certification					

						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	
			-							
	Plain Steel Bars	Chemical <b>ASTM A370</b>								
		Tensile Strength T244								
		Yield Strength <b>T244</b>			O and Constant Mall To a f					
		Elongation <b>T244</b>	Misc. GACERT		Certified Mill Test Report					
		Reduction of Area <b>T244</b>								
		Thread Dimensions								
		Hardness <i>ASTM A370</i>								
	Steel Nuts, Bolts	Chemical ASTM F568								
	& Washers	Yield Strength ASTM F606								
		Tensile Strength ASTM F606	Misc.		Certified Mill Test					
		Elongation ASTM F606	Ga166 GACERT		Report					
		Reduction of Area ASTM F606	JOAGEN 1							
		Hardness ASTM F606	1							
	Elastomeric	Hardness ASTM D2240								
	Bearing Pads	Tensile Strength ASTM D412	-							
		Elongation ASTM D412	1							
		Heat Resistance ASTM D573	=							
		Compression Set ASTM D395	Misc. GACERT		Certified Mill Test Report					
		Brittleness ASTM D746								
		Dimensions								
		Laminate Thickness								
		Tensile Strength M183	1							
		Yield Strength M183	1							
		Elongation M183	1							
	Galvanizing	ASTM A90 or ASTM E376	Misc. GACERT		Pre-inspected by Central Lab Personnel					
519					<u></u> _					
BRIDGE DECK OVERLAY	Concrete	Cylinders GDT-35 & T22	DOT-319 <b>T152</b>	2 cylinders	See NOTE 1				Cylinders to be broken in Branch or Central Lab	

						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	
		NOTE 1: One set per each 50 ye structure.	d <sup>3</sup> of Class of Cond	crete placed o	aily for each structure.	Cylinders shall not be fa	abricated at one structu	ure to represent Concrete p	placed in another	
		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	
		Temperature <i>GDT-122</i>								
		NOTE 2: Air, Slump & Mix Tempevery third load on Bridge Deck p	perature tests is all placement	required whe	en cylinders are made 8	as judged necessary to	insure adequate cont	rols. Additional tests are re	ecommended at least	
	Portland Cement	Air Content <b>T137</b>								
		Fineness M85								
		Autoclave <b>M85</b>	DOT 475 <b>0 475</b>	40.11	0.01	One per Quarter, per				
		Compressive Strength M85	DOT-175 <b>Ga175</b>	10 lbs.	QPL-3	Source, per District				
		Vicat <b>7131</b>								
		Chemical <i>M85</i>								
	Fine Aggregate	Gradation T27								
		Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material fron 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 <b>Ga658</b>	40 lbs.	One per 1,500 tons	QPL-2 Sources, 1 per				

						GUIDE FREQUENCY				
TYPE	MATERIAL	TEST PROCEDURES	REPORT SM	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
	Aggregate	Gradation <b>727</b>			based upon QPL-2, except for Section D, Stockpile Basis Sources; material fror Section D must be sampled.	month, per active plant, except for Section D, Stockpile n Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
	Fly Ash	Fineness <i>M295</i>								
		Activity <b>M295</b>								
		Soundness <i>M295</i>	DOT-175 <b>Ga175</b>	10 lbs.	QPL-30	One per Quarter, per Source, per District				
		Density M295	1			Source, per District				
		Chemical <i>M295</i>	1							
	Slag	Fineness M302								
		Activity M302								
		Air Content <i>M302</i>	DOT-175 <b>Ga175</b>	10 lbs.	QPL-30	One per 2,000 tons, per Source		Jobsite storage		
		Density M302				per Source				
		Chemical <i>M302</i>								
	Air Entrainment Admixtures	Air-Entraining Admixture for Concrete <i>M154</i>	DOT-168 Ga168 GACERT	1 qt.	QPL-13	One per 6 months, per Source, per District				
		Chemical Admixtures for Concrete <i>M194</i>	DOT-168 Ga168 GACERT	1 qt.	QPL-14	One per 6 months, per Source, per District				
	Curing Agent	Specification for Liquid Membrane Curing <b>M148</b>	DOT-168 Ga168 GACERT	1 qt.	QPL-16					
	Water	Quality of Water for Concrete 726	DOT-168 Ga168 GACERT	1 qt.*		One per unpotable Source, per month			*non-metal container	
520										

TYPE CONSTRUCTION MATERIAL TEST PROCEDURES Name & Number Report SAMPLE ACCEPTANCE QUALITY ASSURANCE ASSURANCE ACCEPTANCE ASSURANCE ASSURANCE ACCEPTANCE ASSURANCE ASSURANCE ASSURANCE REMARKS  Prestressed Concrete GACERT GACERT GACERT CITY ASSURANCE ASSURANC							GUIDE FREQUENCY				
PILING Prestressed Concrete  Gatest Gatest GaCert G							QUALITY		LOCATION OR TIME OF		
Concrete  GACERT  GACERT  GACERT  Cofficial plant stamp; Visual Inspection by Project Personnel  Treated Timber Piles  Retention of Preservative AWPA Misc. GACERT  C14  DPL-50, pre-inspected by Authorized Agency & AWW Stamp  Preservative Treatment  Certification  Misc. GACERT  OPL-50 & Pre- inspected by Authorized Agency & AWW Stamp  Aluminum Powder  Self-Lubricating Bronze Bearing & Expansion Plates & Bushings  Paint  Pigment ASTM D2371 Non-Volatile Vehicle  Gride  Pigment MSTM D2371 Non-Volatile Vehicle  Gride  Pigment MSTM D2371 Non-Volatile Vehicle	CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
Preservative Treatment  Aluminum Powder Self-Lubricating Bronze Bearing & Expansion Plates & Bushings  Paint Pigment ASTM D2371 Non-Volatile Vehicle Grid	PILING			Ga165P GACERT		Report (OMR-122) & Official plant stamp; Visual Inspection by					
Treatment inspected by Authorized Agency  Aluminum Powder Fineness ASTM D480 Misc. GACERT  Self-Lubricating Bronze Bearing & Expansion Plates & Bushings  Paint Pigment ASTM D2371 Non-Volatile Vehicle Gind				Misc. GACERT		by Authorized Agency					
Powder  Self-Lubricating Bronze Bearing & Expansion Plates & Bushings  Paint  Pigment ASTM D2371 Non-Volatile Vehicle Grind  Certified Mill Test Report  Certified Mill Test Report			Certification	Misc. <b>GACERT</b>		inspected by					
Bronze Bearing & Expansion Plates & Bushings  Paint Pigment ASTM D2371 Non-Volatile Vehicle			Fineness ASTM D480	Misc. GACERT							
Non-Volatile Vehicle Grind		Bronze Bearing & Expansion Plates &	Certification	Misc. GACERT							
Non-Volatile Vehicle Grind		Deixi	Discount AOTAL DOOTA								
Grind		Paint									
QPL-46 (Systems IV &						QPL-46 (Systems IV &					
Viscosity ASTM D562  V): pre-inspected by Central Lab Personnel			· ·			V): pre-inspected by Central Lab Personnel					
Misc. GACERT 1 qt. & GDT stamped			•	Misc. GACERT	1 qt.	& GDT stamped					
Percent Volatile   QPL-54 & QPL-73					QPI (Sys	(System VI): not GDT					
Color			Color								
Certification											
Welded & Thickness		Welded &			+						
Seamless Steel Chamical ASTM 4252 Misc. Ga165P QPL-44 & Certified		Seamless Steel	Chamical ACTM A252	Misc. Ga165P							
Pile Grieffical ASTM A252 GACERT Mill Test Report Mill Test Report		Pile		GACERT		Mill Test Report					

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
					_		_			
		Yield Strength T244								
		Elongation T244								
		Diameter								
		Weight								
		Certification								
	Fluted Steel	Thickness								
	Shell Pile	Diameter	Misc. Ga165P		QPL-44 & Certified					
		Yield Strength <b>T244</b>	GACERT		Mill Test Report					
		Certification								
	Steel H-Pile	Charpy ASTM E23								
		Thickness								
		Yield Strength ASTM A370								
		Tensile Strength ASTM A370	Misc. <b>Ga165P</b> GACERT		QPL-44 & Certified					
		Elongation ASTM A370			Mill Test Report					
		Reduction of Area ASTM A370								
		Hardness ASTM A370	_							
		Chemical ASTM A709								
		Certification								
	Steel Bolts, Nuts & Washers	Chemical ASTM F568								
	a vvasners	Yield Strength ASTM F606								
		Tensile Strength ASTM F606								
		Elongation ASTM F606								
		Reduction of Area ASTM F606	Misc. GACERT		Certified Mill Test					
		Hardness ASTM F606	Wilse. GAGERT		Report -					
		Length			=					
		Diameter	†		=					
		Thread Class	1		=					
		Galvanization ASTM A90 or ASTM E376	-							

						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	1	ı			Γ	<u> </u>			
	Aluminum Alloy Sheet & Plate	Chemical								
	oncer a riate	Thickness								
		Dimensions								
		Tensile Strength T244								
		Yield Strength T244			Certified Mill Test					
		Elongation T244	Misc. GACERT		_Report					
		Bend Diameter Factor <b>ASTM B209</b>								
		Hardness ASTM B241								
		Shear Strength ASTM B565			1					
529										
NAVIGATION LIGHTING	Electrical Materials	As Specified	GACERT		Approved by the Underwriter's Laboratory or Certified Mill Report & approved Catalog Cuts			Stock		
	Anchor Bolts	Grade <b>As Specified</b>								
		Yield Strength T244								
		Tensile Strength T244								
		Elongation <b>T244</b>								
		Reduction of Area <b>T244</b>								
		Thread Dimensions	Misc. GACERT							
		Size								
		Diameter								
		Length								
		Length Chemical								
	Chemical Paint Pigment ASTM D2371 Non-Volatile Vehicle		0.01 40 (0 4 11 10							
			QPL-46 (Systems IV & V): pre-inspected by							
		Grind		V): pre-inspected by Central Lab Personnel						
		Viscosity ASTM D562	Misc. <b>GACERT</b>	1 qt.	& GDT stamped QPL-54 & QPL-73					
		Dry Time ASTM D711			(System VI): not GDT					
		Percent Volatile			stamped					

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> <b>Report</b>	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
		Weight per Gallon ASTM D1475				F		-		
		Weight per Gallon ASTIN D1473								
		Color								
		Certification								
	Lighting Standards	Certification	Misc. <b>GACERT</b>		QPL-52, pre-inspect	ed by Central Lab Perso	onnel & GDT stamped			
	Luminaries & Ballasts	Certification	Misc. GACERT		Approved Catalog Cuts					
	Circuit Breakers	Certification	Misc. <b>GACERT</b>		Approved Catalog Cuts					
	Cable	Certification	Misc. GACERT		Approved Catalog Cuts					
530										
WATERPROOFING		Thickness								
FABRICS	Membrane Material for Retaining Walls	Tensile Strength ASTM D412								
		Elongation ASTM D412								
		Permeance ASTM E96								
		Puncture Resistance <b>ASTM E154</b>	Misc. <b>GACERT</b>		QPL-22					
		Pliability <b>ASTM D146</b>								
		Cycling Over Crack <b>Section 888.03</b>								
		Certification								
531										
DAMPPROOFING	Bituminous Material for Waterproofing or Dampproofing	M115, M118 or M121	GACERT	1 qt.	One per Type, per Source			Before application		
533										
BRIDGE DECK	Hot Mix Asphalt	tic Concrete								
WATERPROOFING MEMBRANE	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504 <b>Ga504</b>	1 qt.	QPL-7	As per GSP-21		Storage Tank		
	Coarse	Wash 200 <b>T11</b>	DOT-658 <b>Ga658</b>	45 lbs.	QPL-2	As necessary		Stockpile		†

						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 Asphaltic Concrete	Gradation <b>727</b>								
	for Asphaltic Concrete	Gradation <i>T11 &amp; T27</i> Clay Lumps <i>T1121</i> Sand Equivalent <i>GDT-63</i> Mica Content	-DOT-658 <b>Ga658</b>	20 lbs.	QPL-1	As necessary		Stockpile		
	Mineral Filler	Gradation T11 & T27	DOT-168 GACERT	10 lbs.	QPL-81	One per 500 tons, per Type, per Source	One per Project	Stockpile		
		Thickness Measurement <i>GDT-</i>	DOT-176 <b>Ga176</b>		One per 1,000 ft, per 2 lanes		Observe 1 per 3 miles, per 2 lanes	Completed Course		
		Physical & Chemical Analysis M216-84 Gradation T219 Chemical T219	GACERT	1 qt.*	QPL-41	One per Quarter		Silo or Tanker	*air-tight container  As required by SOP-17	
		Extractions <i>T11, GDT-38, GDT-73, GDT-83</i> or <i>GDT-125</i>	DOT-387 <b>Ga387</b>	Varies per Mix Type	Minimum 1 per 500 tons	Two QA samples per 5 days production or 5 lots; 1 comparison sample per 10 days	One per 10 days of production or 8,000 tons		AASHTO T308 (Method A)	
		Stripping Test <i>GDT-56</i>		300 g	One per Extraction (Open-Graded 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, GDT-59 or GDT-73	DOT-386 <b>Ga386</b>	Core	Five per Lot*		One per 10 lots, per Mix, consisting of 5 individual comparison tests		Small quantities may be accepted with less Compaction tests  *Each test consists of 3 readings when Nuclear Gauge is used to determine Density	
	Bituminous Tac	k Coat								

						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	T	T	
	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504M <b>Ga504M</b>		QPL-7					
	Emulsified Asphalt	Viscosity <b>T59</b>	T59	1 qt.	QPL-7			Before application		
		Gradation GDT-3								
	Cleaning	TCLP EPA SWD <b>846-1311</b>	Misc. GACERT		Visual In	nspection			Independent Assurance:	
		Certification	1						sample occasionally	
	Waterproofing	Bond GDT-69								
	Membrane Material for	Permeability GDT-69								
	Bridge Decks	Heat Resistance GDT-69								
		Penetration GDT-69	1							
		Freeze-Thaw GDT-69			0.00					
		Chemical Resistance GDT-69	Misc. GACERT		-QPL-22					
		Shear Resistance <i>GDT-69</i>			_					
		Effectiveness GDT-69			-					
		Certification								
535										
PAINTING STRUCTURES	Paint	Specification Requirements Section 870.01	Paint Report 1 GACERT	1 qt.	QPL-46 (Systems IV & V): pre-inspected by Central Lab Personnel & GDT stamped QPL-54 & QPL-73 (System VI): not GDT stamped			Supplier (Systems IV & V only)	Independent Assurance: sample occasionally	
	Paint – Completed Coat	Anchor Pattern Steel Temperature Ambient Temperature Humidity Dew Point Adhesion MEK Rub <i>GDT-110</i>	DOT-168A <b>Ga168a GACERT</b> <sup>1</sup> q	1 qt.	QPL-46 (Systems IV & V): pre-inspected by Central Lab Personnel & GDT stamped QPL-54 & QPL-73 (System VI): not GDT stamped		Beginning of Project, before initial paint is applied & occasionally thought out the Project			
		Final Paint Thickness					After completion of			

					(	GUIDE FREQUENCY	<u> </u>		
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	T	1	1			1	
							each Project		
	Lead Paint Residue	TCLP EPA SWD <b>846-1311</b>	TCLP Report						
		Disposal Manifest							
543									
CONSTRUCTION OF	Earthwork								
BRIDGE COMPLETE	(to within 1 ft of	Theoretical Density GDT-7 or GDT-67					One per Project	Roadway (before Compacting)	
	top)	Gradation GDT-4	DOT-408 <b>Ga408</b> / DOT-97 <b>Ga097</b>	30 lbs.	One per major soil Type				Volume Change tests may be omitted on
		Volume Change GDT-6	DO1-97 <b>Ga097</b>		Туре				accepted samples,
		Classification Section 810							except the first sample & each fifth sample
		In-Place Density <i>GDT-20, GDT-21, GDT-55 &amp; GDT-59</i>	DOT-553 <b>Ga553</b>		One per 5,000 yd <sup>3</sup>		One per 60,000 yd <sup>3</sup>	Completed Lift	thereafter, which shall be submitted to the Branch or Central Lab for testing, unless provisions are made for testing on the Project. Percent Moisture is part of Density test procedure.
	Rock	Gradation Visual							
		Abrasion <b>T96</b>							Requires approval by Pit
		Soundness <i>T104</i> Petrographic Analysis <i>ASTM D295</i>	DOT-658 <b>Ga658</b>		QPL-2				& Quarry if not from QPL-2 Source
	Pond Sand	Gradation Visual							
		Volume Change GDT-6	DOT-408 <b>Ga408</b> /	,					Requires approval by Pit
		Density GDT-7 or GDT-67	DOT-97 <b>Ga097</b>						& Quarry
	Piling	1	ı	1	1			1	
	Treated Timber Piles	Retention of Preservative AWPA C14	Misc. Ga168 GACERT		QPL-50, pre-inspected by Authorized Agency & AWW stamp				
	Fluted Steel	Thickness	Misc.		QPL-44 & Certified				
	Shell Pile	Diameter	Ga165P		Mill Test Report				

						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	
		Yield Strength <b>T244</b>	GACERT							
	0: 111 0:1	Certification								
	Steel H-Pile	Charpy ASTM E23	Misc.		QPL-44 & Certified					
		Thickness	Ga165P GACERT		Mill Test Report					
	l	Yield Strength			ODI 50 mm 'm m m m m m					
	Lumber & Timber	Certification	Misc. Ga168 GACERT		QPL-50, pre-inspected by Authorized Agency & AWW stamp					
	Expanded Morta	<u> </u> <u>ar</u>								
	Portland Cement	Sampled & tested in	conjunction with otl	her Concrete	construction on Project.	No additional sample	required under normal	circumstances.		
	Coarse	Wash 200 <b>T11</b>								
	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 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.		Stock or Conveyor Belt		
	Fine Aggregate	Gradation <b>T27</b>								
		Sand Equivalent GDT-63				QPL-1 Sources, 1 per				
		Wash 200 <b>T11</b>	DOT-658 <b>Ga658</b>	20 lbs.	based upon QPL-1, 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 D Sources.		Stock or Conveyor Belt		

TYPE CONSTRUCTION I						GUIDE FREQUENCY				
	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
	uminum owder	Fineness ASTM D480	GACERT	50 g	Acceptance based on label stating material is Aluminum Powder of Unpolished Type or 1 sample per Project			Stock		
Wa		Quality of Water to be Used in Concrete <b>726</b>	Ga088	1 qt.*	One per unpotable Source, per month			Enough in advance so that results are known before use	*non-metal container	
		Number <i>M31M</i> Weight <i>M31M</i>								
	L	Dimensions <i>M31M</i>	Ga166 size					-		
	-	Deformation Spacing <i>M31M</i>						-		
	-	Height & Gap <i>M31M</i>		2 @ 24" per	QPL-12, QPL-61 &	Random sampling of		<del>-</del>	One sample per size, per	
		Tensile Strength <b>T244</b>		size	Certified Mill Test Report	Fabricator		Supplier	Project by Independent Assurance Personnel	
	•	Yield Strength T244			roport				7 todaranos i ordennor	
		Elongation <i>T244</i>						1		
		Bend Test <b>T285</b>						1		
		Chemical <b>M31M</b>								
	isc. Bridge ardware			One of ea. item	Certified Mill Test Report			Stock		
<u>Joi</u>	oint Material									
	licone Sealant	Tensile Stress ASTM D412								
	L	Durometer ASTM D2240	-							
		Bond GDT-106	  -		_			_		
		Tack Free Time GDT-106	-					_		
	L	Extrusion GDT-106	Misc. GACERT		QPL-66			Stock		
		Non-Volatile <i>GDT-106</i> Specific Gravity <i>ASTM D792</i>	Misc. GACERT		-					
		Adhesion <i>GDT-106</i>			_			_		
	L	Resistance ASTM C793	-		1			-		
Fnr		Pot Life <i>GDT-58</i>			ODI 45 4					
	L	Bond Strength <i>GDT-58</i>	Misc. GACERT		QPL-15 <u>or</u> 1 sample per batch, per Type			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	
	T	lov.·v	T	1	1	Г	1	1	T	
		Shelf Life								
		Elongation <i>GDT-58</i> Hardness <i>ASTM D2240</i>			_			_		
					_			4		
		Sag <b>7237</b>						_		
		Wet Bond <i>T137</i>								
	DI-	Density ASTM D1622								
			Misc. <b>GACERT</b>	5 ft	One per Project & Certified Mill Test			Stock		
		Water Absorption <b>ASTM C1016</b>			Report					
	Bond Breakers - Tape	Thickness	Misc. <b>GACERT</b>	5 ft	One per Project & Certified Mill Test Report			Stock		
	Creosote & Pitch				Accepted by Project Personnel based on Visual Inspection					
	Roofing Felt			1 yd²	Accepted by Project Personnel based on Visual Inspection				Independent Assurance: sample occasionally	
	Sheet Packing				Accepted by Project Personnel based on Visual Inspection					
	Tie Bolt Assembly		GACERT		Certified Mill Test Report & Visual Inspection					
		Specification Requirements Section 870.01	Paint Report Ga168a	1 qt.	QPL-46 (Systems IV & V): pre-inspected by Central Lab Personnel & GDT stamped QPL-54 & QPL-73 (System VI): not GDT stamped					
	Completed Units				QPL-9					

						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	
544										
DECK DRAIN SYSTEMS	Clips, Brackets, Bars, etc.	Certification	Misc. GACERT	1 ea.	Certified Mill Test Report			Stock	Independent Assurance: sample occasionally	
	Galvanized Repair Compound	Certification	Misc. GACERT	1 qt.	Pre-inspected by Central Lab Personne & GDT stamped					
	Hardware	Certification	Misc. GACERT		Certified Mi	I Test Report				
550					*		<u> </u>			
STORM DRAIN PIPE	, Reinforced Con	crete Pipe								
PIPE-ARCH CULVERTS & SIDE		Diameter M170	Ga164		QPL-4 with CPT					
DRAIN PIPE	Properties of Pipe	Thickness M170			Stamp or pre-					
	i ipo	Reinforcement Design <i>M170</i>			inspected by Central Lab with GDT Stamp					
		External Load Strength T280	OMR-INSP-86							
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>			1					
		Autoclave <b>M85</b>			7					
		Compressive Strength <i>M85</i>	DOT-175 <b>Ga175</b>		QPL-3					
		Vicat <b>T131</b>			7					
		Chemical <i>M85</i>			7					
	Fly Ash	Fineness M295								
		Activity <b>M295</b>			7					
		Soundness M295	DOT-175 <b>Ga175</b>		QPL-30					
		Density M295			7					
		Chemical <i>M295</i>			7					
	Fine Aggregate	Gradation <b>727</b>			One per 500 tons	QPL-1 Sources, 1 per				
		Wash 200 <b>T11</b>	DOT-658 <b>Ga658</b>	20 lbs.	based upon QPL-1,	month, per active				

						GUIDE FREQUENCY				
			- - -	0.75.05						
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	
		Tame a rame		<i>07</i> <u>1</u> 2	7.0021 77.1102	7.000.17.11.02	7.0001.7.1102	5 <u>2</u> 10		
		Sand Equivalent <i>GDT-63</i>			Stockpile Basis	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>								
	Aggregate	Gradation <b>727</b>	1			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				
	Steel Wire for	Size M32M								
	Reinforcement	Diameter M32M								
		Area <b>M32M</b>	Reinforce-ment							
		Tensile Strength T244	Test Report	1 ft	Certified Mill Test Report	Random sampling at Manufacturer				
		Yield Strength T244	Ga166 GACERT		report	Mandiacturer				
		Area Reduction T244								
		Bend Test M32M								
	Welded Steel	Size <i>M55M</i>								
	Wire Fabric for Reinforcement	Diameter <i>M55M</i>								
	T CONTROL CONTROL	Area <b>M55M</b>								
	Area M55M Tensile Strength T244 Yield Strength T244 Area Reduction T244 Bend Test M55M Weld Shear Strength M55M									
		Yield Strength T244	Welded Wire Test	1 ft <sup>2</sup>	ODI 55	Random sampling at				
		Report Ga166 GACERT	ΙΙΤ	QPL-55	Manufacturer					
		Weld Shear Strength M55M								
		Width <i>M55M</i>	]							
		Length <i>M55M</i>	<u> </u>							

						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	<u> </u>					
		Spacing <i>M55M</i>								
	Cylinders	Compressive Strength <b>722</b>	Certification T152	3 ea.						
	Non-Reinforced	Concrete Pipe		ı						
		Diameter M86								
	Properties of Pipe	Thickness <i>M86</i>	1			ODL 4 with ODT				
	ripe	Absorption <i>M86</i>	Ga166			-QPL-4 with CPT stamp <u>or</u> pre-				
		Permeablity <b>M86</b>	1			inspected by Central				
		External Load Strength T280	OMR-INSP-86			Lab with GDT stamp				
	Portland Cement	Air Content <b>T137</b>	1							
		Fineness <i>M85</i>	1		-					
		Autoclave <i>M85</i>	1		-					
		Compressive Strength M85	DOT-175 <b>Ga175</b>		QPL-3					
		Vicat <b>7131</b>	7		-					
		Chemical <i>M85</i>	1							
	Fly Ash	Fineness <i>M295</i>								
		Activity <b>M295</b>			1					
		Soundness M295	DOT-175 <b>Ga175</b>		QPL-30					
		Density M295	1							
		Chemical <b>M295</b>	1							
	Fine Aggregate	Gradation <b>T27</b>								
		Wash –200 <b>T11</b>	7			QPL-1 Sources, 1 per				
		Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>		One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material fron 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 <b>T11</b>	DOT-658 <b>Ga658</b>	45 lbs.	One per 1,500 tons	QPL-2 Sources, 1 per				

						GUIDE FREQUENCY				
TVDE		TEOT DROOFDUREO	DEPORT ON	0175 05			INDEDENDENT	LOCATION OF TIME OF		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
	•		•							
	Aggregate	Gradation <b>727</b>			based upon QPL-2, except for Section D, Stockpile Basis Sources; material fror 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.				
	Corrugated	Diameter <b>M36M</b>								
	Steel Pipe	Depth & Spacing of Corrugations <i>M36M</i>	Misc. <b>Ga164a</b>			cted by CMPT or GDT				
		Thickness <i>M36M</i>			t;	ags				
		Galvanization <i>M218M</i>			7					
	Corrugated	Diameter M196M								
	Aluminum Alloy Pipe	Depth & Spacing of Corrugations <i>M196M</i>								
		Thickness M196M								
		Arch Dimensions M196M	Misc. Ga164a			cted by CMPT or GDT ags				
		Chemical M197M				ays				
		Tensile Strength T244								
		Yield Strength T244	Misc. <b>Ga164a</b>							
		Elongation <b>T244</b>								
	Smooth Lined Corrugated	Diameter M294M								
	Polyethylene Culvert Pipe	Depth & Spacing of Corrugations <i>M294M</i>								
		Thickness M294M								
		Stiffness ASTM D2412			]					
		Flattening <b>M294M</b>	Misc. <b>Ga164a</b>		QPL-51 & approval	thermally branded by e Technician				
		Elongation <i>M294M</i>								
		Brittleness M294M								
		Flexibility M294M								
		Couplings M294M								
		Strength M294M								

						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	
	Polyvinyl Chloride (PVC) Profile Wall Drain Pipe	M304	Ga164a		Certified Mil	Test Report				
	Ductile Iron Pipe	Certification	Ga164a		Certified Mill Test Report					
	Mortar Cement	Specification Requirements <i>M150</i>	Ga175	1 gal.	Enough to insure consistency & quality			Stock		
	Mortar Sand	Gradation <b>727</b>	Ga658	20 lbs.	QPL-1, Sections A, B & C					
	Backfill Backfill									
	Type I – Soil,	Gradation GDT-4								
	Class I & II	Percent Clay GDT-4						†		
		Volume Change GDT-6	DOT-408 <b>Ga408</b> 30 lb			One per major soil		Defens Commenting		
		Density GDT-7 or GDT-67	_DOT-408 <b>Ga408</b> 30 I	30 lbs.		Туре		Before Compacting		
		Classification <b>Section 810</b>					_	-		
	Type II – Backfill Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	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.	As required by Project Engineer				
	Type III –	Density GDT-7	DOT 100 0 100							
	Soil/Organic	Condition of Mixture	DOT-408 <b>Ga408</b>		Notify Central Lab					
	Bituminous Plastic Cement	Specification Requirements	1 q	1 qt.	QPL-21 <u>or</u> sample representing each Lot of shipment			Stock		
	Pre-Coated	Diameter M245M	Misc. Ga164a							
	Galvanized Steel Culverts	Depth & Spacing of Corrugations <i>M245M</i>			Certified Mill Test					
		Thickness M245M	GACERT		-Report					
		Galvanize <i>M218M</i>								

						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	1	1	1	T	<b>.</b>		T		
		Coating Thickness M245M								
		Arch Dimensions M245M								
	Galvanized Repair Compound	Certification	Misc. GACERT	1 qt.	Pre-inspected by Ce GDT s	entral Lab Personnel & stamped				
	Gaskets	Certification	GACERT		QPL-21 & Certified Mill Test Report					
555										
TUNNEL LINER	Liner Plates	Size <b>As Specified</b>								
		Thickness As Specified			]					
		Sectional Modulus As Specified								
		Tensile Strength T244	Misc. GACERT		Certified Mi	Il Test Report				
		Yield Strength T244	-			·				
		Elongation T244	-							
		Bend Test ASTM A569			1					
		Galvanization M167M								
	Grout Ingredients	As Specified			Enough to insure of	consistency & quality				
	Bricks	Size								
		Absorption T32	Misc. GACERT	10 Bricks	One set per 50,00	0 bricks, per Source				
		Compressive Strength T32								
560										
STRUCTURAL	Backfill									
PLATE PIPE, PIPE- ARCH & ARCH	Type I – Class I	Gradation GDT-4								
CULVERTS	& II Soils	Percent Clay GDT-4								
		Volume Change GDT-6	DOT-408 <b>Ga408</b>			One per major soil				
		Density GDT-7 or GDT-67	1-400 <b>Ga406</b>			Туре				
		Classification Section 810								

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT <b>SM</b>	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
	<u> </u>	la ===	DOT 050 0 050	1	To	I		Т		
	Type II – Backfill Aggregate	Gradation 727	DOT-658 <b>Ga658</b>		One per 500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	As required by Project Engineer				
	Type III –	Density GDT-7								
	0 11/0	Condition of Mixture	DOT-408 <b>Ga408</b>		Notify Central Lab					
		Diameter <i>M167M</i>				1				
	Plate for Pipe, Pipe-Arches, & Arches	Depth & Spacing of Corrugations <i>M167M</i>								
		Thickness <i>M167M</i>								
		Chemical <i>M167M</i>	Misc. GACERT		QPL-56 & pre-inspe	cted with CMPT tag or ΓTag				
		Yield strength <b>T244</b>				i rag				
		Tensile Strength T244								
		Elongation T244								
		Galvanization M167M								
	Galvanized Repair Compound	Certifiation	Misc. GACERT	1 qt.	Pre-inspected by Ce GDT s	ntral Lab Personnel & stamped				
		Diameter <i>M219M</i>								
	for Pipe, Pipe-	Depth & Spacing of Corrugations <i>M219M</i>								
	Arches & Arches	Thickness <i>M219M</i>								
		Arch Dimensions <i>M219M</i>	Misc. GACERT			ted with CMPT or GDT				
		Chemical ASTM B209			] '	uy				
		Tensile Strength T244								
		Yield Strength <b>T244</b>								
		Elongation T244								
561			_							
RENOVATING PIPE (Helically Corrugated)	Otraci Diana	Diameter <i>M36M</i>	_		OPI -56 & pre-inence	ted with GMPT or GDT				
(Figure 1)		Depth & Spacing of Corrugations <i>M36M</i>	Misc. <b>Ga164a</b>			ags				

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT <b>SM</b>	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
		Thickness M36M								
		Galvanization M218M								
	Portland Cement	t Air Content <b>T137</b>								
		Fineness <i>M85</i>								
		Autoclave <b>M85</b>	C-17F							
		Compressive Strength M85	Ga175							
		Vicat <b>T131</b>								
		Chemical <i>M85</i>								
	Mineral Filler		GACERT		QP	L-81				
	Fine Aggregate	Gradation <b>727</b>								
	Fly Ash	Fineness M295 Activity M295 Soundness M295 Density M295	DOT-658 <b>Ga658</b> DOT-175 <b>Ga175</b>		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.  One per Quarter, per Source, per District				
	Water	Chemical <i>M295</i> Quality of Water to be Used in Concrete <i>T26</i>	Ga088	1 qt.	One per unpotable Source, per month			Enough in advance so that results are known before use		
	Grout Mixture	Slump <i>GDT-84</i>			One per day <u>or</u> enough to control work					
	Smooth Lined Corrugated Polyethylene Culvert Pipe	Diameter <i>M294M</i> Depth & Spacing of Perforations <i>M294M</i>	/lisc. <b>Ga164a</b>			thermally branded by				
		Thickness M294M	vlisc. <b>Ga164a</b>							
		Stiffness M294M	DOT-175 <b>Ga175</b>							

TYPE CONSTRUCTION MATERIAL TEST PROCEDURES REPORT SM SAMPLE ACCEPTANCE ASSURANCE SAMPLES REMARKS    Construction   Material   Test process							GUIDE FREQUENCY			
Concision Re294M   Stratieness R294M   Strat		MATERIAL				ACCEPTANCE	QUALITY			
Concision Re294M   Stratieness R294M   Strat										
Bittleness R294M Fittings R294M Miss. Ga164a Depth & Spaning of Corrugations M364M Gatvenization M364M Gatvenization M364M Gatvenization M364M Aggregated With CAPT or GDT 1995 Fittings R294M Fittings R				<u></u>						
Fittings M294M   Diameter M36M   Diameter M370   Diameter M3										
MINOR DRAINAGE Metra Pipe DETOURS Agregated  Metra Pipe DETOURS  Dismeter M36M Depth & Spacing of Corrugations M36M Galvanization M318M  Type II – Backfill Gradetion T27  DOT-659 Ga658  Aggregated  Aggregated  Aggregated  DOT-659 Ga658  As lbs. Done per 500 tons based upon QPL-2, incept for Section D, Sources, materials from Section D and Space are taken from Section D and Space are taken from Section D and Section D and Section D and Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, materials from Section D. Sources, D. Tombuston of material staken from Section D. Sources, D. Tombuston of material staken from Section Section D. Sources, D. Tombuston of material staken from Section D. Sources, D. Tombuston of material staken from Section D. Sources, D. Tombuston of material staken from Section D. Sources, D. Tombuston of material staken from Section D. Sources, D. Tombuston of material staken from Section D. Sources, D. Tombuston of material staken from Section D. Sources, D. Tombuston of material staken from Section D. Sources, D. Tombuston of material staken from Section D. Sources, D. Tombuston of material staken from Section D. Sources, D. Tombuston of material staken from Section D. Sources, D. Tombuston of material staken from Section D. Sources, D. Tombuston of material staken from Section D. Sources, D. Tombuston of material staken from Section D. Sources, D. Tombuston of material staken from Section D. Sources, D. Tombuston of Material Section D. S										
MINOR DRAINAGE DETOURS  Motal Pipe Depth & Spacing of Corrugation M35M Tipickness M36M Galvanization M31M Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Depth & Spacing of Corrugation M31M Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Depth & Spacing of Corrugation M31M Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Depth & Spacing of Corrugation M31M Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Depth & Spacing of Corrugation M31M Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Depth & Spacing of Corrugation M31M Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Depth & Spacing of Corrugation M31M Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Depth & Spacing of Corrugation M31M Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Depth & Spacing of Corrugation M31M Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Depth & Spacing of Corrugation M31M Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Depth & Spacing of Corrugation M31M Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Depth & Spacing of Corrugation M31M Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Depth & Spacing of Corrugation District M31M Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Depth & Spacing of Corrugation District M31M Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Depth & Spacing of Corrugation District M31M Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Dove per 500 trans. Depth Geroin District M31M Type II – Backtill Gradation T27 Type II – Backtill Gradation T27  DOT-658 Ga658 45 lbs. Dove per 500 trans. Dove per 500			Fittings <b>M294M</b>							
STRUCTURES FOR DETOURS  Metal Pipe Depth & Spacing of Corrugations M36M Thickness M36M Galvanization M318M Type II — Backfill Gradation 727  DOT-658 Ga658 45 lbs.  One per 500 tons based upon QPL-2. Sources, raterial based upon QPL-2. Sources, ra						_				
DETOURS  Thickness M36M Galvanization M316M Type II – Backfill Gradation T27  DOT-658 Ga658 45 lbs. Done per 500 tons Sources, materials from Section D must be sampled.  DOT-658 Ga658 45 lbs. Done per 1,500 tons Sources, materials from Section D. Underdrain  DOT-658 Ga658 45 lbs. Done per 1,500 tons Sources, materials from Section D. Stockpile Basis Sources, materials from Section D. Stockpile Basis Sources, materials from Sources, SDOT will Section D. Stockpile Basis Sources, material from Sources, SDOT will Section D. Stockpile Basis Sources, material from Sources, SDOT will Section D. Stockpile Basis Sources, material from Sources, SDOT will Section D. Stockpile Basis Sources, material from Sources, SDOT will Section D. Stockpile Basis Sources, material from Sources, SDOT will Section D. Stockpile Basis Sources, material from Sources, SDOT will Section D. Stockpile Basis Sources, material from Sources, SDOT will Section D. Stockpile Basis Sources, material from Sources, SDOT will Section D. Stockpile Basis Sources, material from Sources, SDOT will Section D. Stockpile Basis Sources, material from Sources, SDOT will Section D. Stockpile Basis Sources, materials delivered from Section D. Sources.  Reinforced Concrete Pipe Physical Ph										
Thickness M36M  Galvanization M318M  Type II – Backfill Gradation 727  DOT-658 Ga658  45 lbs.  One per 500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; materials from Section D must be sampled.  Figure 1  Underdrain  Aggregate for Underdrain  Aggregate for Underdrain  Oradation 727  DOT-658 Ga658  Aggregate for Underdrain  Oradation 727  DOT-658 Ga658  As lbs.  One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; materials from Socion D, Stockpile Basis Sources; materials delivered from Section D, Sources, M70 M,	DETOURS	ivietai Pipe	Depth & Spacing of Corrugations <i>M36M</i>	Misc. <b>Ga164a</b>						
Type II – Backfill Gradation 727 DOT-658 Ga658 45 lbs. One per 500 tone based upon QPL-2, except for Section D. Slockpile Basis Sources materials from Section D must be sampled.  UNDERDRAINS  UNDERDRAINS  Aggregate for Underdrain  Underdrain  Gradation 727 DOT-658 Ga658 45 lbs. One per 1,500 tons based upon QPL-2, except for Section D. Slockpile Basis Sources materials from Sources materials from Sources materials from Sources materials from Sources materials from Sources materials from Sources materials from Sources materials from Sources (BOT) will perform acceptance tests on materials delivered from Section D. Slockpile Basis Sources materials from Sources (BOT) will perform acceptance tests on materials delivered from Section D. Sources.  Reinforced Concrete Pipe  Physical Pipe  Physical Diameter M170 General Centre M170  Reinforcement Design M170 External Load Strength 7280 OMR-INSP-86 Lab with GDT Stamp Droftland Cement Air Content 7137  POT 445 G4475 Content 7137			Thickness M36M				igs			
Aggregated    Based upon QPL-2   Engineer			Galvanization M318M							
UNDERDRAINS  Aggregate for Underdrain  Aggregate for Underdrain  Braid and the properties of Pipe  Physical Properties of Pipe  Portland Cement Air Content 7137  DOT-658 Ga658  DOT-658 Ga658   45 lbs.   One per 1,500 tons based upon QPL-2, 2 sources, 1 per based upon QPL-2, 2 sources, 1 per concept for Section D, Stockpile Basis Sources; GDOT will Section D must be sampled.  Dot per Project   Spreader Belt or Trench   At least 1 in each 3 samples shall be taken from from the Spreader, Conveyor & Belt. If the samples are taken from Trench, it shall be a combination of material delivered from Section D Sources.  Reinforced Concrete Pipe  Physical Properties of Pipe  Physical External Load Strength 7780   OMR-INSP-86   OMR-			Gradation <b>727</b>	DOT-658 <b>Ga658</b>	45 lbs.	based upon QPL-2, except for Section D, Stockpile Basis Sources; materials from Section D must				
Dinderdrain    Diased upon QPL-2, except for Section D, Stockpile Basis Sources; material from Sources; anderial from Sources; material from Sources; GDOT will samples are taken from Trench, it shall be a combination of material taken from 3 locations at least 10' apart.    Reinforced Concrete Pipe	573					<del>-</del>	•			
Physical Properties of Pipe  Thickness M170 Reinforcement Design M170 External Load Strength T280  Portland Cement Air Content T137  Diameter M170 Ga164  QPL-4 with CPT Stamp or pre- inspected by Central Lab with GDT Stamp  OMR-INSP-86  CPL-2 with CPT Stamp OF Pre- inspected by Central Lab with GDT Stamp  OMR-INSP-86  CPL-2 with CPT Stamp OF Pre- inspected by Central Lab with GDT Stamp	UNDERDRAINS	Underdrain		DOT-658 <b>Ga658</b>	45 lbs.	based upon QPL-2, except for Section D, Stockpile Basis Sources; material fron Section D must be	20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section	One per Project	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	
Properties of Pipe  Thickness M170 Reinforcement Design M170 External Load Strength T280  Portland Cement Air Content T137  POT 475 Cet75			crete Pipe							
Pipe    Trickness M170   Ga164   QPL-4 with CPT			Diameter M170							
Reinforcement Design M170 External Load Strength T280 OMR-INSP-86 DOT 175 Co175  Portland Cement Air Content T137 DOT 175 Co175		Properties of Pipe	Thickness M170	Ga164						
External Load Strength 7280 OMR-INSP-86 Lab with GDT Stamp  Portland Cement Air Content 7137  DOT 475 Ce475						Stamp <u>or</u> pre- inspected by Central				
DOT 475 0-475			External Load Strength <b>T280</b>	OMR-INSP-86		Lab with GDT Stamp				
DOT 475 0-475		Portland Cement	Air Content <b>T137</b>							
			Fineness <i>M85</i>	DOT-175 <b>Ga175</b>		QPL-3				

						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	
	1	I	1	T	T	1		T		
		Autoclave M85								
		Compressive Strength M85								
		Vicat <b>T131</b>								
		Chemical <i>M85</i>								
	,	Fineness M295								
		Activity <b>M295</b>								
		Soundness M295	DOT-175 <b>Ga175</b>		QPL-30					
		Density M295								
		Chemical <b>M295</b>								
	00 0	Gradation <b>T27</b>								
		Wash 200 <b>T11</b>				QPL-1 Sources, 1 per				
		Sand Equivalent <i>GDT-63</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.	month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
		Wash 200 <b>T11</b>								
	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.				
	Steel Wire for	Size <i>M32M</i>								
	D	Diameter <i>M32M</i>	1							
		Area <i>M32M</i>	Reinforce-ment		Certified Mill Test	Random sampling at				
		Tensile Strength <b>T244</b>	Test Report	1 ft	Report	Manufacturer				+
		Yield Strength <b>T244</b>	Ga166 GACERT							
		Area Reduction <b>T244</b>	-							

						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	
	_	T			1					1
		Bend Test M32M								
		Size <i>M55M</i>								
	Reinforcement	Diameter M55M								
		Area <b>M55M</b>								
		Tensile Strength T244								
		Yield Strength T244	Welded Wire Test			Random sampling at				
		Area Reduction <b>T244</b>	Report Ga166	1 ft <sup>2</sup>	QPL-55	Manufacturer				
		Bend Test M55M	GACERT							
		Weld Shear Strength M55M								
		Width <b>M55M</b>								
		Length M55M								
		Spacing <i>M55M</i>								
	Cylinders	Compressive Strength <b>T22</b>	Certification T152	3 ea.						
	Non-Reinforced	   Concrete Pipe								
	Physical	Diameter M86								
	Properties of Pipe	Thickness M86	CA464			QPL-4 with CPT				
	p.o	Absorption <i>M86</i>	GA164			stamp or pre-				
		Permeablity <i>M86</i>				inspected by Central				
		External Load Strength T280	OMR-INSP-86			Lab with GDT stamp				
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>			7					
		Autoclave <i>M85</i>	T		<b>-</b>					
		Compressive Strength M85	DOT-175 <b>Ga175</b>		QPL-3					
		Vicat <b>7131</b>								
		Chemical <i>M85</i>								
	Fly Ash	Fineness <b>M295</b>								
		Activity <b>M295</b>			7					
		Soundness M295	DOT-175 <b>Ga175</b>		QPL-30					
		Density M295			<u> </u>					
		Chemical M295			1					
	1	1	+	<del> </del>	+	+		+		
	Fine Aggregate	Gradation T27	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons	QPL-1 Sources, 1 per				

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
	•		•							
		Sand Equivalent <i>GDT-63</i>			except for Section D, Stockpile Basis Sources; material fror Section D must be sampled.	plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
	Coarse	Wash 200 <b>T11</b>	+							
		Gradation <b>727</b>	=			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 fror Section D must be sampled.	month, per active plant, except for Section D, Stockpile Basis Sources; GDOT				
		Diameter M196M								
	Aluminum Alloy Underdrain Pipe	Depth & Spacing of Corrugations <i>M196M</i>								
		Thickness M197M	1							
		Arch Dimensions M196M	Misc. Ga164a			ted with CMPT or GDT				
		Chemical M197M	1		= \ \(\text{\tin}\exitt{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\exitt{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex	ags				
		Tensile Strength T244	7							
		Yield Strength T244	1							
		Elongation <b>T244</b>	7							
	Corrugated	Diameter M36M								
	Steel Underdrain Pipe	Depth & Spacing of Corrugations <i>M36M</i> Misc. <b>Ga164a</b>	Misc. <b>Ga164a</b>			ted with CMPT or GDT				
	Thickness <i>M36M</i> Galvanization <i>M218M</i>	7			ags					
		Galvanization <i>M218M</i>								
	Corrugated	Diameter <i>M252M</i>								
	Polyethylene Underdrain Pipe	Depth & Spacing of Corrugations <i>M252M</i>	Misc. <b>Ga164a</b>		QPL-51					

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
	1	L	I	1	1	ı				
		Thickness M252M			_					
		Stiffness ASTM D2412			_					
		Flattening M252M			_					
		Elongation M252M								
		Brittleness M252M			_					
		Flexibility <b>M252M</b>								
		Couplings M252M								
		Strength M252M								
		Diameter M294M								
	D 1 0 1	Depth & Spacing of Perforations <b>M294M</b>								
		Thickness M294M								
		Stiffness <i>M294M</i>	Misc. Ga164a		QPL-51 & approval to	thermally branded by				
		Flattening <b>M294M</b>			Plastic Pipe Technician					
		Cracking <i>M294M</i>								
		Brittleness <i>M294M</i>								
		Fittings <b>M294M</b>								
574										
EDGE DRAINS	Corrugated	Diameter <b>M196M</b>								
	Slope Drain Pipe	Depth & Spacing of Corrugations <i>M196M</i>								
		Thickness M197M								
		Arch Dimensions <i>M196M</i>	Misc. <b>Ga164a</b>			ed with CMPT or GDT				
		Chemical <i>M197M</i>			- ta	gs				
		Tensile Strength <b>T244</b>								
		Yield Strength T244								
		Elongation T244								
	Reinforce Conc	rete Pipe	1		•			<u>'</u>		
	Physical	Diameter M170								
	Properties of Pipe	Thickness M170	Ga164		QPL-4 with CPT					
	ļ '	Reinforcement Design M170			Stamp <u>or</u> pre- inspected by Central					
		External Load Strength <b>T280</b>	OMR-INSP-86		Lab with GDT Stamp					
	Portland Cement	Air Content <b>T137</b>	DOT-175 <b>Ga175</b>		QPL-3					

						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	
		Fineness M85 Autoclave M85 Compressive Strength M85 Vicat T131 Chemical M85 Fineness M295 Activity M295 Soundness M295	DOT-175 <b>Ga175</b>		QPL-30					
		Density <i>M295</i> Chemical <i>M295</i> Gradation <i>T27</i>								
	i ilie Aggregate	Wash 200 <i>T11</i> Sand Equivalent <i>GDT-63</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.				
	Coarse Aggregate	Wash 200 <i>T11</i> Gradation <i>T27</i>	DOT-658 <b>Ga658</b>	45 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
	Steel Wire for Reinforcement	Size M32M Diameter M32M Area M32M Tensile Strength T244 Yield Strength T244	Reinforce-ment Test Report <b>Ga166</b>	1 ft	Certified Mill Test Report	Random sampling at Manufacturer				

						GUIDE FREQUENCY				
T)/DE		TEST DROOFFILES	DEDOST ON	0175.05			INDEDENDENT	LOCATION OF TIME OF		
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	
			•							
		Area Reduction T244								
		Bend Test M32M								
		Size <b>M55M</b>								
	Reinforcement	Diameter <b>M55M</b>								
		Area <i>M55M</i>								
		Tensile Strength T244								
		Yield Strength <b>T244</b>								
		Area Reduction <b>T244</b>	Welded Wire Test Report <b>Ga166</b>	1 ft <sup>2</sup>	QPL-55	Random sampling at Manufacturer				
	<u>v</u> v L	Bend Test <b>M55M</b>								
		Weld Shear Strength M55M								
	Cylinders Company Comp	Width <i>M55M</i>								
		Length <i>M55M</i>								
		Spacing <i>M55M</i>								
		Compressive Strength T22	Certification T152	3 ea.						
		Consesta Dina								
		Diameter M86	Code		QPL-4 with CPT	1	<u> </u>	1		
		Diameter <b>M86</b>	Ga165		stamp or pre-					
	Pipe Pipe				inspected by Central					
					Lab with GDT stamp					
		Thickness <i>M86</i>								
		Absorption <i>M86</i>								
		Permeablity <i>M86</i>								
		External Load Strength T280	OMR-INSP-86							
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>								
		Autoclave <b>M85</b>	DOT-175 <b>Ga175</b>		QPL-3					
	\ \ C	Compressive Strength M85	DOI-175 Ga175		QrL-3					
		Vicat <b>T131</b>	_							
		Chemical <b>M85</b>								
	_ ·	Fineness M295	_							
	· ·	Activity <b>M295</b>	DOT-175 <b>Ga175</b>		QPL-30					
		Soundness M295								

						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	
		Density M295								
	Fine Aggregate	Chemical <i>M295</i> Gradation <i>T27</i>								
	Fine Aggregate									
		Wash –200 <i>T11</i> Sand Equivalent <i>GDT-63</i>				QPL-1 Sources, 1 per month, per active				
		Sand Equivalent 957 66	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.	plant, except for Section D, Stockpile Basis Sources; GDOT				
	Coarse	Wash 200 <b>T11</b>								
	Aggregate	Gradation <b>T27</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.				
	Fine Aggregate	Gradation <i>T27</i> Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	20 lbs.	One per 1,500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	Sources; GDOT will	One per Project			
	Coarse	Wash 200 <b>T11</b>	DOT-658 <b>Ga658</b>	45 lbs.	One per 1,500 tons	QPL-2 Sources, 1 per	One per Project			

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	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.	Stockpile Basis				
	Fly Ash	Fineness <i>M295</i>								
		Activity <b>M295</b>	_							
		Soundness <i>M295</i>	 DOT-175 <b>Ga175</b>		QPL-30					
		Density M295								
		Chemical <i>M295</i>								
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>								
	Fi Au	Autoclave M85	DOT 175 <b>Co175</b>		QPL-3					
		Compressive Strength M85	DOT-175 <b>Ga175</b>		QPL-3					
		Vicat <b>T131</b>								
		Chemical <i>M85</i>								
	Corrugated	Diameter <i>M252M</i>								
	Polyethylene Underdrain Pipe	Depth & Spacing of Corrugations <i>M252M</i>								
		Thickness M252M								
		Stiffness ASTM D2412								
		Flattening <i>M252M</i>	Misc. <b>Ga164a</b>		QPL-51					
		Elongation <i>M252M</i>								
		Brittleness M252M								
		Flexibility M252M								
		Couplings M252M								
		Strength M252M								
	Drainage Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>		QPL-2, Sections A, B & C; QPL-2, Section D, 1 per 1,500 tons	QPL-2, Sections A, B & C, 1 per 20,000 tons				

						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	
		Target Density <i>GDT-59</i>	Ga553	Average of 5 tests from 100 ft control strip				Completed Course		
		Compaction <i>GDT-59</i>			One per mile		One per Project			
	Hot Mix Asphalt	ic Concrete	•	•	1					
		Target Density GDT-59	Ga159-5 Ga387	Average of 5 tests from 100 ft control strip						
		Compaction <i>GDT-59</i>	Ga553		One per mile		One per Project	Completed Course		
	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504 <b>Ga504</b>	1 qt.	QPL-7	As per GSP-21		Storage Tank		
		Wash 200 <b>T11</b>								
	Aggregate for Asphaltic Concrete	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	45 lbs.	QPL-2	As necessary		Stockpile		
	Fine Aggregate	Gradation T11 & T27								
	for Asphaltic Concrete	Clay Lumps T1121	1							
	Concrete	Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	20 lbs.	QPL-1	As necessary		Stockpile		
		Mica Content	1							
	Mineral Filler	Gradation T11 & T27	DOT-168 GACERT	10 lbs.	QPL-81	One per 500 tons, per Type, per Source	One per Project	Silo		
		Thickness Measurement <i>GDT-</i>	DOT-176 <b>Ga176</b>		One per 1,000 ft, per 2 lanes	Observe 1 per 3 miles, per 2 lanes	Observe 1 per 3 miles, per 2 lanes	Completed Course		
		Physical & Chemical Analysis <i>M216-84</i>							*air-tight container	
		Gradation <b>T219</b>	GACERT	1 qt.*	QPL-41	One per Quarter		Silo or Tanker	As required by COD 47	
		Chemical <b>T219</b>							As required by SOP-17	
	Fabric -	Puncture Resistance <b>ASTM D4833</b>			OPI ee					
	Non-Woven	Grab Tensile Strength <b>ASTM D4632</b>	Misc. <b>GACERT</b>		-QPL-28					

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT <b>SM</b>	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
	1	<u> </u>	<del></del>	ı	<del></del>					
		Grab Elongation ASTM D4632								
		Flow Rate <b>GDT-87</b>	_		_					
576		I low Rate CDT OF								
SLOPE DRAIN	Corrugated	Diameter <i>M196M</i>		T	T					
		Depth & Spacing of Corrugations <i>M196M</i>	-		_					
	Slope Drain Pipe	Corrugations M196M								
		Thickness M197M	1							
		Arch Dimensions M196M	Misc. <b>Ga164a</b>		QPL-56 & pre-inspec	ted with CMPT or GDT				
		Chemical <i>M197M</i>				193				
		Tensile Strength T244								
		Yield Strength T244								
		Elongation <b>T244</b>								
		Diameter <b>M36M</b>								
	Steel Culvert Pipe	Depth & Spacing of Corrugations <i>M36M</i>	Misc. <b>Ga164a</b>	a164a QPL-5		ted with CMPT or GDT				
		Thickness M36M	1	QPL-5	- tag	ags				
		Galvanization <b>M218M</b>	1							
		Diameter M294M								
	Corrugated Polyethylene Culvert Pipe	Depth & Spacing of Perforations <b>M294M</b>								
		Thickness M294M	1							
		Stiffness <i>M294M</i>	Misc. Ga164a		QPL-51 & approval	thermally branded by e Technician				
		Flattening <b>M294M</b>	]		- Flastic Fipi	e recrimician				
		Cracking <b>M294M</b>								
		Brittleness M294M	]							
		Fittings M294M								
	011 11 (0)(0)	Diameter <b>M304</b>								
	Chloride (PVC) Profile Wall Drain Pipe	Depth & Spacing of Corrugation <i>M304</i>								
		Thickness M304	Misc. Ga164a GACERT		Certified Mill Test Report					
		Stiffness <i>M304</i>	JOAULINI		Tivehour					
		Flattening M304								
		Elongation M304								

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
		Brittleness <i>M304</i>		<u> </u>		<u> </u>				
		Flexibility <b>M304</b>	-		†					
		Couplings M304	-							
		Strength M304	1							
577										
METAL DRAIN	Asphaltic Concr									
INLETS	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504 <b>Ga504</b>	1 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 <b>Ga658</b>	45 lbs.	QPL-2	As necessary		Stockpile		
		Gradation T11 & T27								
	for Asphaltic Concrete	Clay Lumps <i>T1121</i>	-							
	Concrete	Sand Equivalent GDT-63	DOT-658 <b>Ga658</b>	20 lbs.	QPL-1	As necessary		Stockpile		
		Mica Content								
	Mineral Filler	Gradation T11 & T27	DOT-168 GACERT	10 lbs.	QPL-81	One per 500 tons, per Type, per Source	One per Project	Silo		
	In-Place Material	Thickness Measurement <i>GDT-42</i>	DOT-176 <b>Ga176</b>		One per 1,000 ft, per 2 lanes	Observe 1 per 3 miles, per 2 lanes		Completed Course		
	Hydrated Lime	Physical & Chemical Analysis <i>M216-84</i>							*air tight container	
		Gradation <b>T219</b>	GACERT	1 qt.*	QPL-41	One per Quarter		Silo or Tanker	As required by SOP-17	
		Chemical <b>T219</b>	1					1	no required by OOF-17	
	Complete Mixture	Extractions <i>T11, GDT-38, GDT-73, GDT-83</i> or <i>GDT-125</i>	DOT-387 <b>Ga387</b> <b>GA159-5</b>	Varies per Mix Type	Minimum 1 per 500 tons	Two QA samples per 5 days production or lots; 1 comparison sample per 10 days	One per 10 days of production or 8,000 tons		AASHTO T308 (Method A) *For all Asphaltic	
		Stripping Test <i>GDT-56</i>		300 g	One per Extraction (Open-Graded Mixes only)				Concrete "OGFC" & other Mixes where the additive is incorporated at the plant, test at frequency of 1 per extraction	

						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	
				_		T				
		Compaction GDT-39, GDT-59 or GDT-73	DOT-386 <b>Ga386</b>	Core	Five per Lot*		One per 10 lots, per Mix, consisting of 5 individual comparison tests		Small quantities may be accepted with less Compaction tests.  *Each test consists of 3 readings when Nuclear Gauge is used to determine Density.	
	Concrete									
		Fineness M295								
		Activity <b>M295</b>								
		Soundness M295	DOT-175 <b>Ga175</b>		QPL-30					
		Density M295								
		Chemical <b>M295</b>	1		1					-
	Portland Cement	Air Content <b>T137</b>								
	Portland Cement Air Content Fineness Ma	Fineness <i>M85</i>								
		Autoclave <b>M85</b>	DOT 475 0-475							
		Compressive Strength M85	DOT-175 <b>Ga175</b>		QPL-3					
		Vicat <b>7131</b>								
		Chemical <b>M85</b>								
		Air Content <b>T137</b>								
	Pozzolan Cement	Fineness <i>M240</i>								
		Autoclave <b>M240</b>	DOT-175 <b>Ga175</b>		QPL-3					
		Compressive Strength M240	DO1-175 Ga175		QFL-3					
		Vicat <b>T131</b>								
		Chemical <b>M240</b>								
		Compressive Strength <b>722</b>								
	Bag Rip Rap Moisture Content <b>T134</b>	Misc. GACERT	45 lbs.	Laboratory Mix Design						
		Bag Material & Size								
	Slope Drain Pipe  Corrugated Aluminum Alloy Pipe Diameter M196M  Depth & Spacing of Corrugations M196M						1			
		Misc. Ga164a		QPL-56 & pre-inspect ta	ed with CMPT or GDT gs					
		Thickness <i>M197M</i>								

						GUIDE FREQUENCY				
TYPE NSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
		Arch Dimensions <i>M196M</i>							<u> </u>	
		Chemical M197M								
		Tensile Strength T244								
		Yield Strength <b>T244</b>							<u> </u>	
		Elongation <b>T244</b>								
	Corrugated	Diameter <i>M26M</i>								
	Steel Pipe	Depth & Spacing of Corrugations <i>M36M</i>	Misc. <b>Ga164a</b>			cted with CMPT or GDT				
		Thickness <i>M36M</i>			1 '	ags				
		Galvanization <i>M218M</i>								
	Smooth Lined	Diameter M294M								
	Corrugated Polyethylene Pipe	Depth & Spacing of Perforations <b>M294M</b>								
		Thickness M294M								
		Stiffness M294M	Misc. <b>Ga164a</b>		QPL-51 & approva	thermally branded by				
		Flattening M294M			– Plastic Pip	e Technician				
		Cracking <b>M294M</b>								
		Brittleness M294M	1		-					
		Fittings <b>M294M</b>	1		-					
	Asphaltic Conc	rete Curb	L							
		When placed in conjunction with	Pay Item in Section	on 400, and i	ngredients are sampled	under that Item, no add	ditional samples of AC	, CA, FA, or Mineral Filler re	quired.	
	Tack Coat	Specification Requirements <b>759</b>	DOT-503 <b>Ga503</b>	1 gal.	QPL-7	One per Project		Before application	<u>·</u>	
	Asphalt Cement	Dynamic Shear <i>TP-5</i>	DOT-504 <b>Ga504</b>	1 qt.	QPL-7	One per Project		Before application		
	Mineral Filler	Gradation T11 & T27	GACERT	10 lbs.	QPL-81	One per 1,000 tons, per Type, per Source		Stock		
	Completed Mix	Specification Requirements GDT-38 or GDT-83	25 lbs.	25 lbs.	Two per week		One per Project	Truck or Roadway		
	Fine Aggregate	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>		QPL-2	As necessary				
	Coarse Wash 200 <b>711</b>									
	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	-	QPL-2	As necessary			<del></del>	_

						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	
	T-									
CONTROL LOW STRENGTH	Concrete Ingred			·		1		T		
FLOWABLE FILL	Portland Cemen	Air Content <b>T137</b>								
		Fineness M85						Stock		
		Autoclave M85	DOT-175 <b>Ga175</b>	10 lbs.	QPL-3	One per Quarter, per		Stock		
		Compressive Strength M85		10 103.	QI L 3	Source, per District		Otock		
		Vicat <b>T131</b>								
		Chemical M85								
	Portland	Air Content <b>T137</b>								
	Pozzolan Cement	Fineness M240								
Cement		Autoclave <b>M240</b>	DOT-175 <b>Ga175</b>							
		Compressive Strength M240	DOI-175 Ga175							
		Vicat <b>7131</b>								
	Chemical M240									
Fly As	Fly Ash	Physical & Chemical <b>ASTM C311</b>						Stock		
	Fineness <i>M295</i>	Fineness M295				One per Quarter, per				
		Activity <b>M295</b>		10 lbs.	QPL-30					
		Soundness M295				Source, per District				
		Density M295								
		Chemical <i>M295</i>								
	Coarse	Wash 200 <b>T11</b>								
Age	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Source.		Stock or Conveyor Belt		
	Fine Aggregate	Gradation <i>T27</i> Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons based upon QPL-1,	QPL-2 Sources, 1 per month, per active		Stock or Conveyor Belt		

						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	
		Wash 200 <b>T11</b>			except for Section D, Stockpile Basis Sources; material fron 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>	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 <i>M154</i>	T152	1 qt.	QPL-13	One per 6 months, per Source, per District	г	Ready Mix Plant Stock		
	Chemical Admixtures	Chemical Admixtures for Concrete <b>M194</b>	GACERT	1 qt.	QPL-14	One per 6 months, per Source, per District	r	Ready Mix Plant Stock		
	Deck Oil		GACERT	1 qt.	QPL-23	None		Stock		
602										
DOUBLEWALL PRECAST WALL	Complete Unit				Plant inspected by Contified Wall	entral Lab Personnel <u>or</u> Panel Inspector				
	Backfill	Theoretical Density GDT-24 or GDT-7 & GDT-67	Ga409		As needed to control the work					
		In-Place Density GDT-21 or GDT-59	Ga553		One per day on continuous work		One per 20 days of wall placement, per Project	Completed Course		
		Gradation 727	DOT-658 <b>Ga658</b>		QPL-2	As needed				
	Joint Treatment	<u> </u>	l		1	1	1	I		
	Plastic Filter Fabric – Woven	Tensile Strength ASTM D4632								
		Bursting Strength ASTM D3786	Misc. <b>GACERT</b>		QPL-28				Independent Assurance: sample occasionally	
		Elongation ASTM D4632								
		Percent Open Area GDT-88								

						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.		T
	Plastic Filter Fabric – Non-Woven	Puncture Resistance <b>ASTM D4833</b>								
	Non-woven	Grab Tensile Strength <b>ASTM D4632</b>	Misc. GACERT		QPL-28				Independent Assurance: sample occasionally	
		Grab Elongation ASTM D4632							Sample occasionally	
		Flowrate GDT-87								
	Rubber Bearing Pads	Hardness ASTM D2240	Misc. GACERT							
	Preformed Cork	Recovery ASTM D1752								
		Compression ASTM D1752	Misc. <b>GACERT</b>							
		Extrusion ASTM D1752	Wilso. GAGEITT							
		HCI <b>ASTM D1752</b>	1							
	Bearing Pads	Dimensions								
		Compression Modulus	1		Certified By			_		
		Shear Modulus	Misc. GACERT		Manufacturer & inspected by Office of			Before placement		
		Tensile Strength T244			Materials & Research					
		Heat Aging ASTM D573								
	Concrete	Cylinder GDT-35 & T22	DOT-319 <b>T152</b>							
	Reinforced Con	crete Pipe								
	Physical	Diameter M170								
	Properties of Pipe	Thickness M170	Ga164		QPL-4 with CPT					
	i ipc	Reinforcement Design M170			Stamp <u>or</u> pre- inspected by Central					
		External Load Strength <b>7280</b>	OMR-INSP-86		Lab with GDT Stamp					
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>			+					
		Autoclave <i>M85</i>								
		Compressive Strength M85	DOT-175 <b>Ga175</b>		QPL-3					
		Vicat <b>7131</b>			7					
		Chemical <i>M85</i>	_		7					
	Fly Ash	Fineness <i>M295</i>	DOT-175 <b>Ga175</b>		QPL-30					

						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	
		Activity M295 Soundness M295 Density M295 Chemical M295								
	55 5	Gradation <i>T27</i> Wash 200 <i>T11</i> Sand Equivalent <i>GDT-63</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.				
	Coarse Aggregate	Wash 200 <b>T11</b> Gradation <b>T27</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.				
	Reinforcement	Size M32M Diameter M32M Area M32M Tensile Strength T244 Yield Strength T244 Area Reduction T244 Bend Test M32M	Reinforce-ment Test Report Ga166	1 ft	Certified Mill Test Report	Random sampling at Manufacturer				
	Welded Steel Wire Fabric for Reinforcement	Size M55M Diameter M55M Area M55M Tensile Strength T244	Welded Wire Test Report <b>Ga166</b>	1 ft²	QPL-55	Random sampling at Manufacturer				

						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	
		Yield Strength <b>T244</b>								
		Area Reduction <b>T244</b>	7							
		Bend Test <i>M55M</i>	1							
		Weld Shear Strength <i>M55M</i>	7							
		Width <i>M55M</i>	1							
		Length <i>M55M</i>	7							
		Spacing <i>M55M</i>								
	Cylinders	Compressive Strength <b>722</b>	CertificationT152	3 ea.						
	Non-Reinforced	Concrete Pipe	_1	1	1			<u> </u>		
		Diameter <i>M86</i>								
	Properties of Pipe Abs	Thickness <i>M86</i>	Ga164  OMR-INSP-86			QPL-4 with CPT stamp or pre- inspected by Central Lab with GDT stamp				
		Absorption <i>M86</i>								
		Permeablity <i>M86</i>								
		External Load Strength T280				Lab with GD1 stamp				
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>	7							
		Autoclave M85	DOT-175 <b>Ga175</b>		ODL 2					
		Compressive Strength M85	DOI-175 Ga175		QPL-3					
		Vicat <b>T131</b>								
		Chemical <i>M85</i>								
	Fly Ash	Fineness <i>M295</i>								
		Activity M295								
	Soun Dens Chem	Soundness M295	DOT-175 <b>Ga175</b>		QPL-30					
		Density M295	_							
		Chemical <b>M295</b>								
		Gradation <b>T27</b>	DOT-658 <b>Ga658</b>	20 lbc	One per 500 tons	QPL-1 Sources, 1 per				
		Wash –200 <b>T11</b>	DO1-000 Ga658	ZU IDS.	based upon QPL-1,	month, per active				

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT <b>SM</b>	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
	1	T	ı	1	1					
		Sand Equivalent <i>GDT-63</i>			except for Section D, Stockpile Basis Sources; material fron Section D must be sampled.	plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
	Coarse	Wash 200 <b>T11</b>								
	Aggregate  Drainage Aggregate for Underdrain	Gradation <b>727</b> Gradation <b>727</b>	DOT-658 <b>Ga658</b>	45 lbs.	Stockpile Basis	acceptance tests on materials delivered from Section D Sources.  QPL-2 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis				
	Corrugated Aluminum Alloy Pipe  Diar Dep Corr	Diameter <i>M196M</i> Depth & Spacing of Corrugations <i>M196M</i>			Sources; material fron Section D must be sampled.	n Sources; GDOT will perform acceptance test on materials delivered from Section D Sources.				
		Thickness M197M	Mina 05101-		QPL-56 & Pre-inspec	ted with CMPT or GDT	_			
		Arch Dimensions <i>M196M</i>	Misc. <b>Ga164a</b>			ags				
		Chemical <b>M197M</b>								
	Tensil	Tensile Strength T244								
		Yield Strength <b>T244</b>								

						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					
		Elongation <b>T244</b>								
	Corrugated Steel Pipe	Diameter <b>M36M</b>				_				
	Steel Fipe	Depth & Spacing of Corrugations <i>M36M</i>	Misc. <b>Ga164a</b>			cted with CMPT or GDT				
		Thickness M36M				ags				
		Galvanization <i>M218M</i>								
	Corrugated	Diameter M252M								
	Plastic Pipe	Depth & Spacing of Corrugations <i>M252M</i>								
		Thickness M252M								
		Stiffness ASTM D2412								
		Flattening M252M	Misc. Ga164a		QPL-51					
		Elongation M252M Brittleness M252M Flexibility M252M								
		Couplings M252M								
		Strength M252M								
	Reinforcing Ste	eel	-	- <b>!</b>	-	1				
	Steel Bars for	Number M31M								
	Reinforcement	Weight <b>M31M</b>								
		Dimensions MM31								
		Deformation Spacing M31M								
		Height & Gap M31M	Reinforce-ment		001 40 0 001 04					
		Tensile Strength T244	Test Report Ga166		QPL-12 & QPL-61					
		Yield Strength <b>T244</b>								
		Elongation <b>T244</b>								
		Bend Test T285								
		Chemical <i>M31M</i> teel Wire for Size <i>M32M</i>								
	Steel Wire for									
	Reinforcement Diameter <i>M32M</i> Area <i>M32M</i>									
			Reinforce-ment		Certified Mill Test					
		Tensile Strength T244	Test Report Ga166		Report					
	Yield Strength <b>7244</b>									
		Yield Strength <i>T244</i> Area Reduction <i>T244</i>								

						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	
	1	T			1		1	1		
		Bend Test M32M								
	Welded Steel Wire Fabric for	Size <i>M55M</i>								
	Reinforcement	Diameter <i>M55M</i>								
		Area <b>M55M</b>								
		Tensile Strength T244								
		Yield Strength T244	Welded Wire Test							
		Area Reduction <b>T244</b>	Report <b>Ga166</b>		QPL-55					
		Bend Test <b>M55M</b>								
		Weld Shear Strength M55M								
		Width <i>M55M</i> Length <i>M55M</i> Spacing <i>M55M</i>								
	Spacing <i>M55M</i> Dowel Bars  Number <i>M31M</i> Weight <i>M31M</i> Dimensions <i>M31M</i>	Spacing <i>M55M</i>								
		Number M31M								
		Weight <i>M31M</i>								
		Dimensions M31M								
		Deformation Spacing <i>M31M</i> *							*N/A for Plain Dowel	
		Height & Gap <i>M31M</i> *	Reinforce-ment						Bars	
		Tensile Strength T244	Test Report Ga166							
		Yield Strength <b>T244</b>	Garoo							
		Elongation <b>T244</b>								
		Bend Test <b>T285</b>								
		Chemical <i>M31M</i>								
		Coating <b>853.08</b>			QPL-43					
603										
RIP RAP	Rip Rap (Stone) from Unapproved Source	Soundness T104				Visual Inspection			Requires approval by Pit & Quarry	
	Rip Rap (Stone) from Approved Source				QPL-2	Visual Inspection				
	Stone Filter	Sand Equivalent GDT-63	DOT-658 <b>Ga658</b>							-

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> <b>Report</b>	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
	1			T	ı	1	T	1	T	
		Soundness T104								
		Percent Wear <b>796</b>								
		Gradation <b>727</b>								
	Membrane Curing Compound				QPL-16 <u>or</u> pre- inspected by Central Lab Personnel					
	Portland Cement	Physical & Chemical Analysis <b>M85</b>								
		Air Content <b>T137</b>								
		Fineness <i>M85</i>								
		Autoclave <b>M85</b>	DOT-175 <b>Ga175</b>	20 lbs.	QPL-3					
		Compressive Strength M85								
		Vicat <b>T131</b>								
		Chemical <i>M85</i>								
	Water	Physical & Chemical Analysis <b>726</b>	Ga088	1 qt.*	One per unpotable Source			Enough in advance so results are know before use	*non-metal container	
	Fine Aggregate	Gradation <b>727</b>								
		Wash -200 <b>T11</b>			One per 500 tons					
			Ga658	20 lbs.	based upon QPL-2, except for Section D, Stockpile Basis Sources; materials from Section D must be sampled.			Stock		
		WovenTensile Strength <b>ASTM D4632</b>								
		Bursting Strength ASTM D3786	Misc. <b>GACERT</b>		QPL-28					
		Percent Open Area GDT-88								
		Elongation ASTM D4632								
604				<u> </u>	<u> </u>					
RETAINED EARTH WALL	Wall Panels		GACERT			PL-9 Report (OMR-122)				

						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	
	Soil Reinforcing Mesh	ASTM A82	GACERT			entral Lab Personnel & GDT tags attached				
	Attaching Devices	As Specified	GACERT		Certified Mill Test Report				Independent Assurance: sample occasionally	
	Concrete	Compressive Strength <i>GDT-35</i> & <i>T22</i>	DOT-319 <b>T152</b>	2 cylinders	See NOTE 1		Observe 1 set per 750 yd <sup>3</sup>		Cylinders to be broken in Branch or Central Lab	
		NOTE 1: One set per each 50 y shall be fabricated for each cumu placed in another structure.	d <sup>3</sup> of each Class of lative 50 yd <sup>3</sup> or fra	f Concrete pla action thereof,	aced daily for each struct of concrete placed per	cture, except for Concre week in each structure	ete used in Bridge Curb, . Cylinders shall not be	Handrail or Wall Coping. fabricated at one structure	Two Concrete cylinders e to represent Concrete	
		Air Content <i>GDT-26 or GDT-32</i>	DOT-168 <b>T152</b>	See NOTE	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	
		Slump <i>GDT-27</i>				_				
		Mix Temperature GDT-122								
		NOTE 2: Air, Slump & Mix Tempevery third load on Bridge Deck		all required wh	nen cylinders are made	& as judged necessary	to insure adequate con	trols. Additional tests are	recommended at least	
	Joint Fillers	As Specified	GACERT		Certified Mill Test Report				Independent Assurance: sample occasionally	
	Granular Backfill	Physical & Chemical Analysis As Specified	GACERT	45 lbs.	Approved by Central Lab Personnel				Requires approval by Pit & Quarry	
		Theoretical Density <b>GDT-24 or GDT-7</b>				As needed to control the work				
		In-Place Density GDT-21 or GDT-59	DOT-553 <b>Ga553</b>		One per day on continuous work		One per 20 days of wall placement, per Project	Completed Course		
	Filter Fabric	As Specified	GACERT		QPL-28					
605			1							
GEORGIA	Wall Panels		GACERT		QPL-9 & Plant Shipp	ing Report (OMR-122)				
STABILIZED EMBANKMENT	Backfill Stabilizing Mesh	ASTM A82	GACERT		Pre-inspected by Central Lab Personne	ı				
										_

						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	
	Steel Strap Connection	As Specified	GACERT	2 @ 24" for each size	Certified Mill Test Report & sampled by Central Lab Personne	1			
	Concrete	Compressive Strength GDT-35 & T22	DOT-319 <b>T152</b>	2 cylinders	See NOTE 1		Observe 1 set per 750 yd <sup>3</sup>	During pouring	Cylinders to be broken in Branch or Central Lab
		NOTE 1: One set per each 50 y shall be fabricated for each cumu placed in another structure.	d <sup>3</sup> of each Class of ulative 50 yd <sup>3</sup> or fra	Concrete plaction thereof	aced daily for each struct, of Concrete placed pe	cture, except for Concre r week in each structure	ete used in Bridge Curb, e. Cylinders shall not be	Handrail or Wall Coping. e fabricated at one structur	Two Concrete cylinders e to represent Concrete
		Air Content GDT-26 or GDT-32	DOT-168 <b>T152</b>	See NOTE	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
		Slump <i>GDT-27</i>	1				-		
		Mix Temperature <i>GDT-122</i>	1						
		NOTE 2: Air, Slump & Mix Tempevery third load on bridge deck p		all required wh	hen cylinders are made	& as judged necessary	/ to insure adequate con	ntrols. Additional tests are	recommended at least
	Joint Fillers	As Specified	GACERT		Certified Mill Test Report				Independent Assurance: sample occasionally
	Backfill	Physical & Chemical Analysis  As Specified		45 lbs.	Approved by Central Lab Personnel				Requires approval by Pit & Quarry
		Theoretical Density GDT-24 or GDT-7				As needed to control the work			
		In-Place Density GDT-21 or GDT-59	DOT-553 <b>Ga553</b>		One per day on continuous work		One per 20 days of wall placement, per Project	Completed Course	
607									
RUBBLE MASONRY	Masonry Stone	Percent Wear <b>T96</b>							
		Soundness <i>T104</i>	Misc.	100 lbs.	If not on QPL-2, 1 per			Stock	
		Visual Inspection			Source				
	Mortar Sand	Gradation <b>727</b>					One per 10,000 yd <sup>3</sup> ,		
		Wash 200 <b>T11</b>	DOT-658 <b>Ga658</b>	20 lbs.	QPL-1		per Source		
	Portland Cement	Physical & Chemical Analysis  M85 or M150, Type II			QPL-3				
		Air Content <b>T137</b>	DOT-175 <b>Ga175</b>	20 lbs.					
		Fineness <i>M85</i>	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	
		Autoclave M85								
		Compressive Strength M85								
		Vicat <b>T131</b>								
		Chemical <i>M85</i>								
	Water	Physical & Chemical Analysis <b>726</b>		1 qt.*	One per unpotable Source			Enough in advance so that results are known before use	*non-metal container	
608										
BRICK MASONRY	Clay or Shale Brick	Specification Requirements <i>M91, Grade MA</i>		10 Bricks	One set per 50,000 bricks, per Source			Material delivered to Project		
	Concrete Brick	Specification Requirements  ASTM C55		10 Bricks	One set per 50,000 bricks, per Source			Material delivered to Project		
	Brick	Size								
		Absorption <b>732</b>	Misc. GACERT							
		Compressive Strength <b>T32</b>								
	Mortar Sand	Gradation <b>T27</b>								
		Wash 200 <b>T11</b>					_			
		Organics T21	DOT-658 <b>Ga658</b>	20 lbs.	QPL-1		One per 10,000 yd <sup>3</sup> , per Source	Stockpile		
		Mortar properties T71					per Source			
		Durability GDT-75								
	Portland Cement	Physical & Chemical Analysis <i>M85 or M150, Type II</i>								
		Air Content <b>T137</b>	1							
		Fineness <i>M85</i>	1							
		Autoclave <b>M85</b>	DOT-175 <b>Ga175</b>	20 lbs.	QPL-3					
		Compressive Strength M85	1							
		Vicat <b>T131</b>	1							
		Chemical <i>M85</i>								
	Water	Physical & Chemical Analysis <b>726</b>	Ga088	1 qt.*	One per unpotable Source			Enough to advance so that results are known before use	*non-metal container	
609				Į.						

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
CONSTRUCTION	IVIATENIAL	Name & Number	Report	SAIVII LL	ACCEI TANCE	ASSUNANCE	ASSURANCE	SAMI LINO	ILIMAINO	
EARTH WALL REINFORCED	Wall Panels		GACERT		QPL-9 & Plant Shipping Report (OMR-122)					
	Reinforcing Tie Straps		GACERT	2 straps @ 24"	Certified Mill Test Report					
	Granular Backfill	Physical & Chemical Analysis <b>As Specified</b>		45 lbs.	Approved by Central Lab Personnel				Requires approval by Pit & Quarry	
		Theoretical Density GDT-21 or GDT-59				As needed to control the work				
		In-Place Density GDT-21 or GDT-59	DOT-553 <b>Ga553</b>		One per day on continuous work		One per 20 days of wall placement, per Project	Completed Course		
	Joint Fillers		GACERT		Certified M	ill Test Report				-
	Concrete	Compressive Strength GDT-35 & T22	DOT-319 <b>T152</b>	2 cylinders	See NOTE 1		Observe 1 set per 750 yd <sup>3</sup>	During pouring	Cylinders to be broken in Branch or Central Lab	
		NOTE 1: One set per each 50 y shall be fabricated for each cumulated in another structure.	d <sup>3</sup> of each Class of ulative 50 yd <sup>3</sup> or fra	Concrete pla action thereof	aced daily for each stru , of Concrete placed pe	cture, except for Concre er week in each structure	ete used in Bridge Curb, e. Cylinders shall not be	Handrail or Wall Coping. fabricated at one structur	Two Concrete cylinders e to represent Concrete	
		Air Content GDT-26 or GDT-32		See <b>NOTE</b>	When cylinders are		Observe 1 set per 750		Additional Slump tests will be required when	
		Slump <i>GDT-27</i>	DOT-168 <b>T152</b>	2	made		yd <sup>3</sup>	Placement site	Water is added on	
		Mix Temperature GDT-122	1				1		Project	
		NOTE 2: Air, Slump & Mix Tempevery third load on bridge deck p	perature tests are a lacement.	all required wh	nen cylinders are made	& as judged necessary	to insure adequate con	trols. Additional tests are	recommended at least	
	Reinforcing Steel				QF	PL-12				
621										
CONCRETE	Concrete Ingred	lients Agents								
BARRIER	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>	1							
		Autoclave <b>M85</b>	<u> </u>							
		Compressive Strength M85	DOT-175 <b>Ga175</b>							
		Vicat <b>7131</b>	1							
		Chemical <i>M85</i>	1							
	Portland	Air Content <b>T137</b>	DOT-175 <b>Ga175</b>							

						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	
	lp1	F'	T		1	1		1	T	
	Pozzolan Cement	Fineness M240								
		Autoclave M240								
		Compressive Strength M240								
		Vicat <b>7131</b>	_							
		Chemical M240								
	Fly Ash	Physical & Chemical <b>ASTM C311</b>								
		Fineness <i>M295</i>								
		Activity M295	DOT-175 <b>Ga175</b>	10 lbs.	QPL-30	One per Quarter, per				
		Soundness M295				Source, per District				
		Density M295								
		Chemical <b>M295</b>								
	Fine Aggregate	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</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.				
		Wash 200 <b>T11</b>								
	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	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.				
	Water	Quality of Water to be Used in Concrete <b>726</b>	Ga088	1 qt.*	One per unpotable Source, per month			Enough in advance so that results are known before use	*non-metal container	

						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				_		1
	Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete <i>M154</i>	T152	1 qt.	QPL-13	One per 6 months, per Source, per District		Ready Mix Plant Stock		
		Chemical Admixtures for Concrete <i>M194</i>	T152	1 qt.	QPL-14	One per 6 months, per Source, per District		Ready Mix Plant Stock		
	Deck Oil		GACERT							
	Steel Bars for	Number <i>M31M</i>								
	Reinforcement	Weight <b>M31M</b>								
		Dimensions M31M								
		Deformation Spacing M31M								
		Height & Gap M31M	Reinforce-ment	2 pcs. @ 24" per size		Random sampling at				
	Yield Elong	Tensile Strength T244	Test Report 24"		ze QPL-12 & QPL-61 F	Fabricator				
		Yield Strength T244								
		Elongation <b>T244</b>								
		Bend Test <b>T285</b>								
		Chemical M31M								
	Joint Fillers & S	<u>ealers</u>		•				<u> </u>		
	Preformed Joint Filler	M153 or M213	Misc. GACERT	10"	QPL-20			Stock	Sample in accordance with SOP-17	
		Penetration GDT-62								
	Sealers	Flow GDT-62			Pre-inspected by					
		Resilience GDT-62	Misc. GACERT	1 kit	Central Lab; 1 sample			Stock		
		Bond GDT-62			per shipment					
		Compatibility GDT-62								
		Cone Penetration GDT-15								
	Polymer Type	Solubility GDT-15			Pre-inspected by Central Lab &					
	Sant Compound	Resilience GDT-15	Misc. GACERT	1 kit	Certified Mill Test			Stock		
	ļ	Flow GDT-15			Report; 1 sample per shipment					
		Bond <i>GDT-15</i>			SHIPHICH			]		
	Preformed Elastic Joint Sealer	Tensile Strength <b>ASTM D412</b> Elongation at Break <b>ASTM D412</b>	Misc. GACERT	36"	Pre-inspected by Central Lab & Certified Mill Test			Stock		
		Elongation at Break ASIM D412	2		Report; 1 sample per shipment					

						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	1			
		Hardness ASTM D2240								
		Oven Aging ASTM D573								
		Oil Swell ASTM D471						_		
		Ozone Resistance ASTM D1149								
		Joint Sealer Recovery GDT-47								
		Compression/Deflection GDT-70								
	Water-Blown Urethane Joint Filler	Specification 833.05	Misc. GACERT		Certified Mill Test Report					
	Silicone Sealant	Tensile Stress ASTM D412								
		Hardness ASTM D2240								
		Bond <i>GDT-106</i>			7					
		Tack Free Time GDT-106			7					
		Extrusion GDT-106			QPL-66 <u>or</u> 1 sample			<b>-</b>		
		Non-Volatile <i>GDT-106</i>	Misc. <b>GACERT</b>		per batch, per Type			Stock		
		Specific Gravity ASTM D792								
		Adhesion <i>GDT-106</i>								
		Resistance ASTM C793								
	Bond Breakers – Rods	Density ASTM D1622			Pre-inspected by					
	Rous	Tensile Strength ASTM D1623	Misc. GACERT	6 ft	Central Lab & Certified Mill Test			Stock		
		Water Absorption ASTM C1061			Report; 1 sample per shipment					
	Bond Breakers – Tape	Thickness	Misc. GACERT		Certified Mill Test Report					
	Neoprene for Bridge Deck Joint Seal	Specification 833.07	Misc. GACERT		Certified Mill Test Report					

						GUIDE FREQUENCY				
TVDE		TEST PROCEDURES	REPORT <b>SM</b>	CIZE OF		QUALITY	INDEDENDENT	LOCATION OR TIME OF		
TYPE CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SIZE OF SAMPLE	ACCEPTANCE	ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
	•									
	Ethylene Propylene Diene Monomer for Bridge Deck Joint Seals	Specification 833.08	Misc. <b>GACERT</b>		Certified Mill Test Report					
	Polyurethane	Hardness ASTM D2240								
	Sealant for Inductive Loops	Tensile Strength ASTM D412			-					
		Elongation ASTM D412	Misc. GACERT		QPL-75					
		Flexibility								
		Weather Resistance <b>ASTM D822</b>								
	Preformed Foam Joint Filler	Specification 833.10	Misc. GACERT		Certified Mill Test Report					
	Concrete	Strength GDT-35 & T22	DOT-319 <b>T152</b>	2 cylinders	See NOTE 1		Observe 1 set per 1500 yd <sup>3</sup>	During pouring operation	Cylinders to be tested in Branch or Central Lab	
		NOTE 1: One set per each 75 y fraction thereof placed daily.	rd <sup>3</sup> or fraction there	of placed dail	y, except for Concrete	barrier placed with slip f	form equipment. Two c	ylinders shall be fabricated	for each 150 yd <sup>3</sup> or	
		Air GDT-26 or GDT-32								
		Slump <i>GDT-27</i>		See NOTE		Observe 1 set per 1500 yd <sup>3</sup>		During pouring operation		
		Mix Temperature <i>GDT-122</i>						_		
		NOTE 2: Air, Slump & Mix Tem	perature tests are	required when	cylinders are made &	as judged necessary to	insure adequate contro	ol.		
622										
PRECAST TEMPORARY BARRIER	Complete Unit		GACERT		QPL-9, Plant Shippir Official F	ng Report (OMR-122) & Plant Stamp				
DARRIER	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>	1							
		Autoclave <i>M85</i>	DOT-175 <b>Ga175</b>		-QPL-3					
		Compressive Strength M85	DO1-175 Ga175		TQPL-3					
		Vicat <b>T131</b>								
		Chemical <i>M85</i>								
	Portland	Air Content <b>T137</b>	DOT-175 <b>Ga175</b>							

						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	
	lo .	F: \$40.40		T	1	1		T	T	
	Pozzolan Cement	Fineness M240								
		Autoclave M240								
		Compressive Strength M240								
		Vicat <b>7131</b>	_							
		Chemical <i>M240</i>								
	Fly Ash	Physical & Chemical <b>ASTM C311</b>								
		Fineness M295						1		
		Activity M295	DOT-175 <b>Ga175</b>	10 lbs.	QPL-30	One per Quarter, per		Stock		
		Soundness M295				Source, per District		7		
		Density M295						7		
		Chemical <b>M295</b>						1		
	Fine Aggregate	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</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.				
		Wash 200 <b>T11</b>								
	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	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.				
	Water	Quality of Water to be Used in Concrete <b>726</b>	Ga088	1 qt.*	One per unpotable Source, per month			Enough in advance so that results are known before use	*non-metal container	

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
	T	I	<b>L</b>	1.	T	1		I		
	Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete <i>M154</i>	T152	1 qt.	QPL-13	One per 6 months, per Source, per District		Ready Mix Plant Stock		
	Chemical Admixtures	Chemical Admixtures for Concrete <i>M194</i>	GACERT	1 qt.	QPL-14	One per 6 months, per Source, per District				
	Steel Bars for	Number <i>M31M</i>								
	Reinforcement	Weight <i>M31M</i>								
		Dimensions <i>M31M</i>								
		Deformation Spacing M31M								
		Height & Gap <i>M31M</i>	Reinforce-ment							
		Tensile Strength T244	Test Report Ga166 GACERT		QPL-12	& QPL-61				
		Yield Strength <b>T244</b>								
		Elongation <b>T244</b>								
		Bend Test <b>T285</b>								
		Chemical M31M	7							
	Misc. Hardware		GACERT		Accepted by Project Personnel based on Visual Inspection			Stock		
	Concrete	Strength <i>GDT-35 &amp; T22</i>	DOT-319 <b>T152</b>	2 cylinders	One set for each day's placement				A sufficient number of cylinders shall be fabricated for determination of handling & shipping requirements	
		Air Content GDT-35			Air, Slump & Mix					
		Slump <i>GDT-27</i>			Temperature tests are made as judged					
		Mix Temperature GDT-122			necessary to insure adequate control					
623					Jacoquato Jontion					
PNEUMATICALLY	Concrete Struct	tures								
APPLIED CONCRETE	Portland Cement	Air Content <b>T137</b>								
CONCRETE		Fineness <i>M85</i>	<b></b>			One per Quarter, per		1_		
		Autoclave <b>M85</b>	DOT-175 <b>Ga175</b>	10 lbs.	QPL-3	Source, per District		Stock		
		Compressive Strength M85								

						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	
	Γ	ha . = . = .		1	<u> </u>	1		1		
		Vicat <b>7131</b>						_		
		Chemical M85								
	Portland Pozzolan	Air Content <b>T137</b>								
	Cement	Fineness M240								
		Autoclave M240	DOT-175 <b>Ga175</b>							
		Compressive Strength M240	_							
		Vicat <b>T131</b>								
		Chemical M240								
	Fly Ash	Physical & Chemical <b>ASTM C311</b>								
		Fineness M295			QPL-30					
		Activity M295	DOT-175 <b>Ga175</b>	10 lbs.		One per Quarter, per		Stock		
		Soundness M295				Source, per District				
		Density M295								
		Chemical <b>M295</b>								
	Coarse	Wash 200 <b>T11</b>								
	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		Stock or Conveyor Belt		
	Fine Aggregate	Gradation <b>727</b> Sand Equivalent <b>GDT-63</b> Wash 200 <b>T11</b>	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 form Section D Sources.		Stock or Conveyor Belt		

						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	
	Water	Quality of Water to be Used in Concrete <b>726</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 <i>M154</i>	GACERT	1 qt.	QPL-13	One per 6 months, per Source, per District		Ready Mix Plant Stock		
	Chemical Admixtures	Chemical Admixtures for Concrete <i>M194</i>	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		
	Steel Bars for	Number <i>M31M</i>		1 4	Q. 2.20	110110		Cicon		
	Reinforcement	Weight <b>M31M</b>		2 pcs. @ 24" per size	e QPL-12 & QPL-61	<u> </u>				
		Dimensions <i>M31M</i>	Reinforce-ment Test Report Ga166 GACERT			-				
	H <sub>C</sub>	Deformation Spacing M31M								
		Height & Gap <i>M31M</i>				Random sampling at				
		Tensile Strength T244				Fabricator				
		Yield Strength T244								
		Elongation T244								
		Bend Test T285								
		Chemical <i>M31M</i>								
	Steel Wire for	Size <i>M32M</i>								
	Reinforcement	Diameter M32M								
		Area <b>M32M</b>	Reinforce-ment							
		Tensile Strength T244	Test Report		Certified Mill Test Report					
		Yield Strength T244	Ga166 GACERT		rtoport					
		Area Reduction <b>T244</b>								
		Bend Test M32M								
	Welded Steel Wire Fabric for Reinforcement	Size <i>M55M</i>								
		Diameter <b>M55M</b>								
		Area <b>M55M</b>	Welded Wire Test		]					
		Tensile Strength T244	Report Ga166		QPL-55					
		Yield Strength T244	GACERT		]					
		Area Reduction <b>T244</b>								
		Bend Test <i>M55M</i>								

						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
	T	h		1	T	T	1	1	
		Weld Shear Strength <i>M55M</i>							
		Width M55M							
		Length M55M							
		Spacing <i>M55M</i>							
	Permanent Steel Bridge Deck Forms	ASTM A446 & ASTM A525	GACERT		Certified Mill Test Report				
	Dowel Bars	Number <i>M31M</i>							
		Weight <i>M31M</i>							
		Dimensions <i>M31M</i>	1						
		Deformation Spacing <i>M31M</i> *	1						*N/A for Plain Dowel
		Height & Gap <i>M31M</i> *	Reinforce-ment						Bars ——
		Tensile Strength T244	Test Report Ga166 GACERT						
		Yield Strength <b>T244</b>	Garoo GACERT						
		Elongation T244							
		Bend Test T285							
		Chemical <i>M31M</i>							
		Coating <b>853.08</b>			QPL-43				
	Damproofing or Waterproofing Membrane	Specification Requirements <i>M115, M118 or M121</i>	GACERT	1 qt.	One per Type, per Source			Before application	
	Curing Agent	Specification for Liquid Membrane Curing <i>M148</i>	DOT-168 GACERT		QPL-16			Stock	
	Concrete	Compressive Strength GDT-35 & T22	DOT-319 <b>T152</b>	2 cylinders	See NOTE 1		Observe 1 set per 750 yd <sup>3</sup>	During pouring	Cylinders to be broken in Branch or Central Lab
		NOTE 1: One set per each 50 y shall be fabricated for each cumu placed in another structure.	d <sup>3</sup> of each Class outlined	of Concrete plaction thereof	aced daily for each stru , of Concrete placed pe	cture, except for Conci r week in each structur	rete used in Bridge Curb e. Cylinders shall not be	, Handrail or Wall Coping. e fabricated at one structur	Two Concrete cylinders e to represent Concrete
		Air Content GDT-26 or GDT-32							Additional Slump test will
		Slump <i>GDT-27</i>		See NOTE 2	When cylinders are made		Observe 1 set per 750 yd <sup>3</sup>	Placement site	be required when Water is added on Project

						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	
										•
		Mix Temperature GDT-122								
		NOTE 2: Air, Slump & Mix Tem every third load on bridge deck	perature tests are a placement.	all required wh	nen cylinders are made	& as judged necessary	to insure adequate co	ontrols. Additional tests are	recommended at least	
	Concrete for Pipe Head-	Air Content GDT-26 & GDT-35	T152	See NOTE				During pouring operation		
	Walls, Spill- ways, Slope	Slump GDT-27								
	Drains, Highway	NOTE: Acceptance of Concrete performed as judged necessary	e for these items is	based upon re	esults of Slump & Air tes	sts & the properly docu	mented DOT-319. No	cylinders are required. Air	& Slump tests are	
	Guardrails, Misc. Drainage Structures, Highway Light, Fence		·							
	Silicone Sealant	Tensile Stress ASTM D412								
		Durometer ASTM D2240								
		Bond GDT-106								
		Tack Free Time GDT-106								
		Extrusion GDT-106	Misc. GACERT		QPL-66					
		Non-Volatile GDT-106	IVIISC. GACLITI		Q1 L-00					
		Specific Gravity ASTM D792								
		Adhesion GDT-106			_					
		Resistance ASTM C793								
	Epoxy Adhesive	Pot Life <i>GDT-58</i>								
		Bond Strength GDT-58								
		Shelf Life			QPL-15 or 1 sample,					
		Viscosity ASTM D1084	Misc. GACERT	1 kit	per batch, per Type			Stock		
		Specific Gravity								
		Condition								
	Graffiti-Proof Coating		GACERT		QPL-42					
	Preformed Joint Filler	M153 or M213	Misc. GACERT	10 in.	QPL-20			Stock	Sample in accordance with SOP-17	

						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	
	Hot Boured Joint	Penetration <i>GDT-62</i>			1					
	Cooler		4							
		Flow GDT-62	_		Pre-inspected by					
		Resilience GDT-62	Misc. GACERT	1 kit	Central Lab; 1 sample per shipment			Stock		
		Bond GDT-62			per snipment					
		Compatibility GDT-62								
	Elastomeric	Cone Penetration GDT-15			Due Seemente diber					
	Joint Compound	Solubility <i>GDT-15</i>			Pre-inspected by Central Lab &					
		Resilience GDT-15	Misc. GACERT	1 kit	Certified Mill Test			Stock		
		Flow <b>GDT-15</b>			Report; 1 sample per					
		Bond GDT-15			shipment					
	Portland Cement	Air Content <b>T137</b>								
	<u> </u>	Fineness M85			1					
		Autoclave <i>M85</i>			QPL-3					
		Compressive Strength <i>M85</i>	DOT-175 <b>Ga175</b>							
		Vicat <b>7131</b>								
		Chemical <i>M85</i>								
	Fine Aggregate	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>		One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from	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 <b>Ga658</b>		One per 1,500 tons	QPL-2 Sources, 1 per				

						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	
CONCINCOTION	WINTERNE	Traine a ramber	i itoport	O/ IIVII EE	ACCEL TAILOR	7100011711101	7,0001011102	O/ WIT EITYO	I CLIVII (I CIC	
	Aggregate	Gradation <b>727</b>			Stockpile Basis	month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
	Welded Steel	Size <i>M55M</i>								
	Wire for Reinforcement	Diameter <i>M55M</i>								
	Remorcement	Area <b>M55M</b>								
		Tensile Strength T244								
		Yield Strength <b>T244</b>	Welded Wire Test	+						
		Area Reduction <b>T244</b>	Report Ga166		QPL-55					
		Bend Test <i>M55M</i>	GACERT							
		Weld Shear Strength M55M								
		Width <b>M55M</b>								
		Length <i>M55M</i>								
		Spacing <i>M55M</i>								
624										
SOUND BARRIERS	Concrete Masor		T	1	1	1				
		Moisture Content ASTM C90								
		Compressive Strength <b>ASTM C90</b>								
		Water Absorption ASTM C90	Misc. GACERT							
		ASTM C129	-	5 blocks	One set per 25,000 blocks, per size, per Source			Stock		
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>	DOT 475 0-475							
		Autoclave <i>M85</i>	DOT-175 <b>Ga175</b>		QPL-3					
		Compressive Strength M85					_			

						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	
		Vicat <b>T131</b>								
		Chemical <i>M85</i>								
	Fine Aggregate									
		Sand Equivalent <i>GDT-63</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.				
	Coarse	Wash 200 <b>T11</b>								
	Aggregates	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.				
	Steel Panels	Thickness ASTM A446								
		Yield Strength <b>T244</b>								
		Tensile Strength <b>T244</b>								
		Elongation <i>T244</i>	Misc.		Certified Mill Test					
		Chemical ASTM A653	Ga166 GACERT		Report					
		Galvanization ASTM A653								
		Bend Test ASTM A653								
		Flatness ASTM A653								
	Steel Posts	ASTM A36	Misc. Ga166 GACERT		Pre-inspected by Central Lab Personnel & GDT stamped					
	Precast Concre	ete Panels	1	1		<u> </u>				
	Portland Cemer	nt Air Content <i>T137</i>	DOT-175 <b>Ga175</b>		QPL-3					

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
	•		•							
		Fineness M85								
		Autoclave M85	1							
		Compressive Strength M85	1							
		Vicat <b>7131</b>	1							
		Chemical <i>M85</i>	1							
	Fine Aggregate	Gradation <b>T27</b>								
		Sand Equivalent <i>GDT-63</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-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.				
		Wash 200 <b>T11</b>								
	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
	Steel Bars for	Number <i>M31M</i>								
	Reinforcement	Weight <b>M31M</b>	_							
		Dimensions <i>M31M</i>								
		Deformation Spacing M31M								
	Height & Gap <i>M31M</i> Reinf	Reinforce-ment Test Report		QPL-12 & QPL-61						
		Ga166		QFL-12 & QFL-01						
		7								

						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	
							1			
	Steel Wire for Reinforcement	Size <i>M32M</i>								
	Reiniorcement	Diameter M32M								
		Area <b>M32M</b>	Reinforce-ment		O a wife and NATH To an					
		Tensile Strength T244	Test Report		Certified Mill Test Report					
		Yield Strength <b>T244</b>	Ga166							
		Area Reduction <b>T244</b>								
		Bend Test M32M								
	Galvanized	Thickness								
		Dimensions								
		Chemical								
		Tensile Strength T244								
		Yield Strength T244			QPL-44 & pre-insp Personnel w					
		Elongation T244	Misc. Ga166			ected by Central Lab				
		Weight				ith GDT stamp				
		Certification								
		Charpy ASTM E23								
		Hardness								
		Galvanization <i>M111</i>								
	Weathering	Thickness								
	Steel Piling	Dimensions								
		Chemical ASTM A588								
		Tensile Strength T244	N 4:							
		Yield Strength T244	_Misc. <b>Ga166</b>		 QPL-44					
		Elongation <b>T244</b>	GACERT		<b>1</b>					
		Weight			1					<b>†</b>
		Certification			1					+
		Charpy ASTM E23			1					+
	Elastomeric	Hardness ASTM D2240	_	1						+
	Bearing Pads	Tensile Strength ASTM D412			1					+
		Ĭ			Certified Mill Test					
		Elongation ASTM D412	Misc. GACERT		Report					<b>†</b>
		Heat Resistance ASTM D573			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	
		Compression Set ASTM D395								
		Brittleness <b>ASTM D746</b> Dimensions	-		-					
		Laminate Thickness	1		1					+
		Tensile Strength M183	1		1					
		Yield Strength M183	-		=					
		Elongation <i>M183</i>								
	Treated Timber	Panels	1	•	•			1		
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>								
		Vicat <i>T131</i> Chemical <i>M85</i>	DOT 175 <b>Co175</b>							
			DOT-175 <b>Ga175</b>							
	Fine Aggregate									
			DOT-658 <b>Ga658</b>		based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be	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.				
	Aggregate	Wash 200 <b>T11</b> Gradation <b>T27</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be	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.				

						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	
	<b>T</b>	T	1	T	T			T		
	Treated Timber	Certification	GACERT		Pre-inspected by au AWW	thorized agency with stamp				
	Bolts & Washers	Certification	GACERT		Certified Mill Test Report					
	Pile	Certification	GACERT							
	Masonry Coated	d Polystyrene Panels		I				_ll		
		As Specified	GACERT		Certified Mill Test Report & inspected by Central Lab Personnel					
		Size <i>M55M</i>								
	Wire Fabric for	Diameter <i>M55M</i>								
	Area <b>M55N</b>	Area <b>M55M</b>	Welded Wire Test							
		Area <b>M55M</b> Tensile Strength <b>T244</b>								
		Yield Strength <b>T244</b>			QPL-55					
		Area Reduction <b>T244</b>	Report <b>Ga166</b>							
		Bend Test <i>M55M</i>	GACERT							
		Weld Shear Strength M55M								
		Width <i>M55M</i>								
		Length M55M								
		Spacing <i>M55M</i>								
	Foam	Density	040555							
		Thickness	GACERT							
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>			1					
		Autoclave M85	DOT 475 0-475							
		Compressive Strength M85		QPL-3						
	Vicat <b>7131</b>									
		Chemical <i>M85</i>			1					
	Fine Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons	QPL-1 Sources, 1 per				

						CLUDE EDECLIENCY				
			-			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	
CONSTRUCTION	WATERIAL	Ivanic a ramber	ποροπ	OAIVII EL	ACCEL TAIVOL	ACCONANCE	ACCONAINCE	OAWII EIIVO	KLWAKKO	
		Sand Equivalent <i>GDT-63</i>			based upon QPL-1, except for Section D, Stockpile Basis Sources; material fron 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.				
	Protective Color Coating	As Specified	GACERT	1 gal.	QPL-17					
	Other Wall Types	Certification	GACERT	CERT						
626		<u> </u>	!							
MECHANICALLY	Reinforcing	Charpy ASTM E23								
STABILIZED EMBANKMENT	Strips	Dimensions								
RETAINING WALLS		Yield Strength ASTM A709								
		Tensile Strength ASTM A709	Misc. GACERT		Certified Mi	ll Test Report				
		Elongation ASTM A709			_	root rtoport				
		Reduction of Area ASTM A709								
		Hardness ASTM A709	1							
		Chemical ASTM A709	-							
	Reinforcing	Size <b>ASTM A185</b>								
	Mesh	Diameter ASTM A185	-							
		Area <b>ASTM A185</b>								
		Tensile Strength T244	-		Pre-inspected by Central Lab Personnel &					
		Yield Strength T244	Welded Wire Test							
		Area Reduction T244	Report GACERT		serially numbered GDT tag attached					
		Bend Test ASTM A185	1							
		Weld Shear Strength <b>ASTM</b> <b>A185</b>								
		Width ASTM A185								

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
CONCINCOTION	WW. CTERCONE	Traine a Tumber	Порол	O7 (IVII EE	710021 171102	7100011711102	710001011102	OF HAVE ELLING	TILIWI II II O	
		Length ASTM A185								
		Spacing ASTM A185	1							
	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	<del>-</del>							
			Misc. GACERT							
		Hardness ASTM A325	-							
		Length								
		Diameter								
		Thread Class								
		Galvanization ASTM A153								
	Attachments	Size <b>ASTM A82</b>								
		Diameter ASTM A82								
		Area <b>ASTM A82</b>								
		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. <b>T152</b>							
	Portland Cemen	t Air Content <b>T137</b>								
		Fineness <i>M85</i>	1		1					
		Autoclave M85	DOT 175 0 175							
		Compressive Strength M85	DOT-175 <b>Ga175</b>		QPL-3					
		Vicat <b>T131</b>	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	
	I	To	T	1		T		T		
	Fine Aggregate	Gradation <b>727</b>	_							
		Sand Equivalent <i>GDT-63</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.				
	Coarse	Wash 200 <b>T11</b>								
	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
	Mechanically Stabilized Embankment	In Place Density GDT-24 GDT-59	DOT-553		One per Wall per day.					
	Joint Fillers			-L						
	Plastic Filter Fabric - Woven	Tensile Strength <b>ASTM D4632</b> Bursting Strength <b>ASTM D3786</b>								
			Misc. <b>GACERT</b>		QPL-28					
		Elongation ASTM D4632								
	Plastic Filter Fabric – INon-Woven	Percent Open Area GDT-88			1					
		Puncture Resistance ASTM D4833								
		Grab Tensile Strength ASTM D4632	Misc. <b>GACERT</b>		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 OR TIME OF SAMPLING	REMARKS
	1	Flavoreta CDT 07	T		1			<u> </u>	
		Flowrate <i>GDT-87</i> Dimensions							
	•	Hardness ASTM D2240	Misc. GACERT						
		Physical & Chemical Analysis	DOT-658 <b>Ga658</b>		Approved by Central			Prior to use	Requires approval by Pit
		As Specified	DO 1 030 <b>Ca030</b>		Lab Personnel				& Quarry
	Coating for Soil Reinforcing Devices	Determination of Zinc Coating Thickness Gauge <i>GDT-82</i>	GACERT				Occasionally*		*Marginal failing results from Thickness Gauge, submit sample for further analysis. Sampled by Independent Assurance Personnel.
		Epoxy Coated Systems	-						Sample in accordance with SOP-17
	Wall Panels				QPL-9, Plant Shipping Official Pla	Report (OMR-122) & ant Stamp			
633									
MODIFICATION OF EXISTING SIGNS	Signs	Certification	GA550		QPL-80; pre-inspected by Central Lab Personnel & GDT stamped or Approved decal on back of sign				
	Aluminum Sign	Chemical <b>ASTM B209</b>							
	Blanks	Thickness							
		Dimensions	_						
		Shape							
		Tensile Strength T244			1				
		Yield Strength T244	Misc. <b>GACERT</b>		Certified Mill Test				
		Elongation T244	IVIISC. GACENT		Report				
		Bend Diameter Factor <b>ASTM</b> <b>B209</b>							
		Hardness ASTM B241			]				
		Shear Strength ASTM B565							
	Extruded Alumi	num Sign Panels	I	1	1		1	1	
		Chemical ASTM B221	Misc. GACERT		Certified Mill Test				

						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		1	1	T	1	T			1
		Thickness			Report					
		Dimensions								
		Tensile Strength ASTM B557								
		Yield Strength ASTM B557								
		Elongation ASTM B557	_		_					
		Shape								
	Accessories	Chemical								
		Length								
		Thread Grade			Certified Mill Test					
		Yield Strength <b>T244</b>	Misc. GACERT							
		Tensile Strength T244	IVIISC. GACERT		Report					
		Elongation <b>T244</b>								
		Reduction of Area T244								
		Hardness								
	Reflective	Specific Intensity M268								
	Sheeting	Weatherometer ASTM G23	Misc. GACERT		QPL-29					
		Color <b>M268</b>								
		Color								
	Paint	Dry Time	GACERT		Certified Mill Test Report					
		Certification			Пероп					
	Steel Sign Posts	Thickness Section 911.01								
		Dimensions Section 911.01								
		Chemical <b>Section 911.01</b>	1							
		Tensile Strength T244	1		-					
		Yield Strength <b>7244</b>	Misc.		1					
		Elongation <i>T244</i>	Ga166		QPL-35					
		Weight <b>Section 911.01</b>	GACERT		-					
		Certification			1					
		Hardness ASTM A370			1					
		Galvanization Section 911.01	1		1					
			on 911.01							

						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	
		Bolt Hole Size & Spacing <b>Section 911.01</b>								
		Charpy ASTM E23								
	Post	Thickness								
		Yield Strength T244			1					
		Tensile Strength T244	Misc.		1					
		Elongation <b>T244</b>	Ga166		QPL-59, pre-inspec	cted by Central Lab GDT stamped				
		Reduction of Area T244	GACERT		- Fersonner & V	GDT Stamped				
		Hardness ASTM A370			1					
		Chemical ASTM A709			1					
		Galvanization ASTM A123			1					
	Aluminum	Chemical ASTM B221								
	Delineator Post	Thickness As Specified			1					
		Dimensions As Specified			1					
		Tensile Strength ASTM B557	Misc.		Certified Mill Test					
		Yield Strength ASTM B557	GA166 GACERT		Report					
		Elongation ASTM B557	1							
		Bolt Hole Size & Spacing Section 911.04.B.2	1							
	Wood Delineator	Dimensions								
	Post	Grade	Misc.		QPL-50 & pre-inspe	ected by Authorized				
		Preservative Treatment	Ga166 GACERT		Agency with	AWW stamp				
		Certification			1					
	Flexible Delineator Post	Dimensions Section 911.04.D								
		NTPEP Certification <b>Section 911.04.D</b>	Ga166 GACERT		QPL-69					
		Impact Test <b>Section 911.04.D</b>								
		Chemical <b>ASTM A53</b>			QPL-52, pre-inspected					
	Arms for Mast Arm Assembly	Yield Strength <b>T244</b>	Ga166		by Central Lab Personnel & GDT					
	, and Addonibly	Tensile Strength T244	GACERT		stamped					

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
		Elongation <b>T244</b>								
		Bending ASTM A53								
		Flattening <b>ASTM A53</b>								
		Non-Destructive Electric Test ASTM A53								
		Weight	1							
		Diameter								
		Thickness	]							
		Finish								
		Appearance	]							
	Misc. Fittings	Specification Requirements	GACERT					Stock		
	Steel Bolts, Nuts	Chemical ASTM F568								
	& Washers	Yield Strength ASTM F606								
		Tensile Strength ASTM F606								
		Elongation ASTM F606	Misc.							
		Reduction of Area ASTM F606			Certified Mill Test					
		Hardness ASTM F606	GACERT		Report					
		Length	-							
		Diameter	1							
		Thread Class	1							
		Galvanization ASTM A90 or ASTM E376								
	Guy Wires	Diameter ASTM A475								
		Number of Wires ASTM A475	1							
		Weight <b>ASTM A475</b>			1					
		Breaking Strength ASTM A475	Misc. GACERT		QPL-72					
		Elongation <b>ASTM A475</b>	1		-					
		Galvanization ASTM A475	1		1					
		Ductility ASTM A475	1		+					
		Seal Test <b>Section 916</b>	Misc. GACERT	50 of ea.	Pre-inspected by Cer	I tral Lab Personnel with				
	Contor Would	33a. 130t <b>300tion 310</b>	IVIIOC. GACER I	ou ui ea.	Fie-inspected by Cer	iliai Lab Feisonnei Willi				

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
	Reflector	Heat Resistance <b>Section 916</b>	1	color	CDT	stamp				
	Reflector	neat Resistance Section 916		COIOI	GDT	stamp				
		Specific Intensity <b>Section 916</b>	-							
	Demountable	Chemical								
	Reflective Characters	Thickness	1							
	Onaracters	Dimensions	1							
		Shape								
		Tensile Strength T244								
		Yield Strength T244	Misc. GACERT		QPL-80					
		Elongation T244	Wilde. GAGERT							
		Bend Diameter Factor <b>ASTM B209</b>								
		Hardness ASTM B241	1							
		Shear Strength ASTM B565								
	<u>Piling</u>									
	Prestressed Concrete		GACERT		QPL-9, Plant Shipping Report (OMR-122) & Official Plant Stamp; Visual Inspection by Project Personnel					
	Treated Timber Piles	Certification	Misc. GACERT		QPL-50, pre-inspected by Authorized Agency & AWW Stamp					
	Preservative Treatment	Certification	Misc. GACERT		QPL-50 & pre- inspected by Authorized Agency					
	Aluminum Powder	Fineness ASTM D480	Misc. GACERT							

						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	
CONCINCOTION	WINTERNAL	Name a Namber	порон	O/ (IVII LL	7100E1 171110E	HOOGHAMOL	ACCOLLATION	CHIVII EIIVO	ILLIVII II II	
	Self-Lubricating Bronze Bearing & Expansion Plates & Bushings	Certification	Misc. GACERT		Certified Mill Test Report					
	Paint	Pigment ASTM D2371								
		Non-Volatile Vehicle	1							
		Grind	1		ODI 40 (Customs IV 8					
		Viscosity ASTM D562	1		QPL-46 (Systems IV & V): pre-inspected by					
		Dry Time ASTM D711	Misc. <b>GACERT</b> 1 q	1 04	Central Lab Personnel & GDT stamped					
		Percent Volatile	IVIISC. GACER I	ı qı.	QPL-54 & QPL-73					
		Weight per Gallon ASTM D1475	5		(System VI): not GDT stamped					
		Color Certification								
	Welded &	Thickness								
	Seamless Steel Pile	Chemical ASTM A252								
		Tensile Strength T244								
		Yield Strength <b>T244</b>	Misc. <b>Ga165P</b>		QPL-44 & Certified					
		Elongation <b>T244</b>	IVIISC. Gallose		Mill Test Report					
		Diameter								
		Weight								
		Certification								
	Fluted Steel Shell Pile	Thickness								
		Diameter	Misc Ga165P		QPL-44 & Certified					
		Yield Strength <b>7244</b> Misc. <b>Ga165P</b>		Mill Test Report						
	Certification Steel H-Pile Charpy ASTM E23									
		_								
		Thickness	Misc. <b>Ga165P</b>		QPL-44 & Certified					
	Yield Strength ASTM A370  Misc. Ga165P		Mill Test Report							

						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	Tensile Strength ASTM A370	1	1	T	1				T 1
		Tensile Strength ASTM A370								
		Elongation ASTM A370	1							
		Reduction of Area ASTM A370			_					
		Hardness <b>ASTM A370</b>	-		_					
		Chemical ASTM A709	]							
		Certification								
	0 14/ 1	Chemical ASTM F568								
	a washers	Yield Strength ASTM F606	  -							
		Tensile Strength ASTM F606								
		Elongation ASTM F606								
		Reduction of Area ASTM F606	Misc. GACERT		Certified Mill Test					
		Hardness ASTM F606			Report					
		Length			7					
		Diameter	]							
		Thread Class								
		Galvanization ASTM A90 or ASTM E376								
	Aluminum Alloy									
	Sheet & Plate	Thickness								
		Dimensions								
		Tensile Strength <b>T244</b>	-							
		Yield Strength <b>T244</b>			Certified Mill Test					
		Elongation <b>T244</b> Bend Diameter Factor <b>ASTM</b>	Misc. GACERT		Report					
		B209								
		Hardness ASTM B241								
		Shear Strength ASTM B565								
	Steel H-Piling	Charpy ASTM E23								
		Thickness	Misc. Ga165P		QPL-44					

						GUIDE FREQUENCY				
TYPE	MATERIAL	TEST PROCEDURES	REPORT SM	SIZE OF	ACCEPTANCE	QUALITY	INDEPENDENT	LOCATION OR TIME OF	DEMARKO	
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
		Yield Strength ASTM A370								
		Tensile Strength ASTM A370			-					
		Elongation <b>ASTM A370</b>	-							
		Reduction of Area ASTM A370								
		Hardness <b>ASTM A370</b>	-							
		Chemical ASTM A370								
		Certification	1							
	Concrete									
		Compressive Strength <b>T22</b>	Misc. <b>T152</b>							
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>								
		Autoclave M85	DOT 475 0 - 475							
		Compressive Strength M85	DOT-175 <b>Ga175</b>		QPL-3					
		Vicat <b>T131</b>								
		Chemical M85								
	Fine Aggregate	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons based upon QPL-1, except for Section D,	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 <b>Ga658</b>	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1 per				

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
I										,
	Aggregate	Gradation <b>727</b>			Stockpile Basis	month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
	Paints	Pigment ASTM D2371								
		Non-Volatile Vehicle	1							
		Grind	1							
		Viscosity ASTM D562								
		Dry Time ASTM D711	Misc. <b>GACERT</b>	1 at	Pre-inspected by Central Lab Personnel					
		Percent Volatile	IVIISC. GACER I	1 qt.	& GDT stamped					
		Weight per Gallon ASTM D1475								
		Color								
		Certification								
634										
MONUMENTS & ROAD MARKERS	Concrete Right- of-way Markers	Certification	Misc. <b>GACERT</b>		QPL-4 with CPT stamp or pre- inspected by Central Lab with GDT stamp					
	Concrete			•				<u>.                                      </u>		
		Compressive Strength <b>T22</b>	Misc. <b>T152</b>							
	Portland Cement	Air Content <b>T137</b>								
	Fineness <i>M85</i> Autoclave <i>M85</i>	Fineness <i>M85</i>								
		Autoclave M85	DOT 175 Co175		QPL-3					
		DOT-175 <b>Ga175</b>		QFL-3						
		Vicat <b>T131</b>								
		Chemical M85								
	Fine Aggregate	Gradation <b>T27</b>	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons	QPL-1 Sources, 1 per				

						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	
		Sand Equivalent <i>GDT-63</i>			based upon QPL-1, except for Section D, Stockpile Basis	month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
		Wash 200 <b>T11</b> Gradation <b>T27</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material fron 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.				
	Reinforcement	Number M31M Weight M31M Dimensions M31M Deformation Spacing M31M Height & Gap M31M Tensile Strength T244 Yield Strength T244 Elongation T244 Bend Test T285 Chemical M31M	Reinforce-ment Test Report <b>Ga166</b>	2 pcs. @ 24"	QPL-12 & QPL-61  Job inspected (no sample or report required)	Random sampling at Manufacturer				
635										
BARRICADES	Lumber & Posts									

						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	
		T		1	<b>T</b>					
	Lumber & Timber	Certification	Misc. GACERT		QPL-50 & pre-insp Agency with	ected by Authorized AWW stamp				
	Preservative Treatment	Certification	Misc. GACERT							
	Paints	Pigment ASTM D2371								
		Non-Volatile Vehicle	1							
		Grind	1							
		Viscosity ASTM D562	1							
		Dry Time ASTM D711	Miss CACERT	4	Pre-inspected by Ce	ntral Lab Personnel &				
		Percent Volatile	Misc. GACERT	1 qt.	GDT s	tamped				
		Weight per Gallon ASTM D1475								
		Color								
		Certification								
	Reflective	Specific Intensity M268								
	Sheeting	Weatherometer ASTM G23	Misc. GACERT		QPL-29					
		Color <i>M</i> 268	1							
636										
HIGHWAY SIGNS	Signs	Certificate	Misc. Ga550 GACERT		QPL-80, pre-inspected by Central Lab Personnel & GDT stamped or Approved decal on back of sign					
	Aluminum Sign	Chemical ASTM B209								
	Blanks	Thickness	1		1					
		Dimensions	1							
		Shape	1							
		Tensile Strength T244	Misc.		Certified Mill Test					
		Yield Strength T244	Ga550 GACERT		Report					
		Elongation T244								
		Bend Diameter Factor <b>ASTM B209</b>								
		Hardness ASTM B241								

						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						
		Shear Strength ASTM B565								
	Freturnal and Alexand	num Cinn Donala								
		num Sign Panels Chemical ASTM B221		1	1	1				1
					-					1
		Thickness			_					
		Dimensions			_					
		Tensile Strength ASTM B557	Misc. <b>Ga550</b>		Certified Mill Test					
		Yield Strength ASTM B557	GACERT		_Report					
		Elongation ASTM B557	7							_
		Shape								
	Accessories	Chemical			Certified Mill Test					
		Length								
		Thread Grade								
		Yield Strength <b>T244</b>	Misc.							
		Tensile Strength T244	Ga550 GACERT							
		Elongation <b>T244</b>			1					
		Reduction of Area T244			1					
		Hardness			1					
	Reflective	Specific Intensity M268	Misc.							
	Sheeting	Weatherometer ASTM G23	Ga550		QPL-29					
		Color <b>M268</b>	GACERT		1					
		Color								
	Paint	Dry Time			Certified Mill Test Report					
		Certification			Report					
	Steel Sign Posts	Thickness Section 911.01								
		Dimensions Section 911.01								
		Chemical <b>Section 911.01</b>	Misc.		_ -QPL-35					
		Tensile Strength T244	Ga550 GACERT		QrL-30					
		Yield Strength T244	_							
		Elongation <b>T244</b>	_							
		Weight <b>Section 911.01</b>								

						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	ı	T		
		Certification								
		Hardness ASTM A370								
		Galvanization Section 911.01								
		Bolt Hole Size & Spacing Section 911.01	1							
		Charpy ASTM E23				1				
	Post	Thickness								
		Yield Strength T244								
		Tensile Strength T244								
		Elongation <i>T244</i>	Misc.		QPL-59, pre-inspe	ected by Central Lab GDT stamped				
		Reduction of Area T244			Personnei &	GDT stamped				
		Hardness ASTM A370								
		Chemical ASTM A709								
		Galvanization ASTM A123								
		Chemical ASTM B221								
	Delineator Post	Thickness As Specified								
		Dimensions As Specified			-					
		Tensile Strength ASTM B557	Misc.		Certified Mill Test					
		Yield Strength ASTM B557	Ga550 GACERT		Report					
		Elongation ASTM B557	†							
		Bolt Hole Size & Spacing Section 911.04.B.2	1							
	Wood Delineator	Dimensions				-1				
	Post	Grade	Misc.		OPL-50 & pre-iper	ected by Authorized				
		Preservative Treatment		Ga550		AWW stamp				
		Certification	Misc.		1					
	Flexible Delineator Post	Dimensions Section 911.04.D								
		NTPEP Certification <b>Section 911.04.D</b>	-Ga550 GACERT		-QPL-69					

					(	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	I						1		
		Impact Test Section 911.04.D								
	Steel Posts &	Chemical <b>ASTM A53</b>		1						
	Arms for Mast	Yield Strength <b>T244</b>	-		_					
	IArm Assembly	Tensile Strength <b>T244</b>	†							
		Elongation <i>T244</i>	1							
		Bending ASTM A53	1							
		Flattening ASTM A53	Misc.		QPL-52, pre-inspected					
		Non-Destructive Electric Test ASTM A53	Ga550 GACERT		by Central Lab Personnel & GDT stamped					
		Weight	1		stamped					
		Diameter	1							
		Thickness								
		Finish	]							
		Appearance								
	_	Appearance Specification Requirements						Stock		
	0 14/ 1	Chemical ASTM F568								
		Yield Strength ASTM F606								
		Tensile Strength ASTM F606								
		Elongation ASTM F606	1							
		Reduction of Area ASTM F606	Misc. <b>Ga550</b>		Certified Mill Test					
		Hardness ASTM F606	GACERT		Report					
		Length	]							
		Diameter								
		Thread Class								
		Galvanization ASTM A90 or ASTM E376								
	Guy Wires	Diameter ASTM A475								
		Number of Wires ASTM A475	Misc. <b>Ga550</b> GACERT		QPL-72					
		Weight ASTM A475	JOAGENT							

						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	
		Breaking Strength ASTM A475								
		Elongation ASTM A475								
		Galvanization ASTM A475	-							
		Ductility ASTM A475								
	Center Mount Reflector	Seal Test <b>Section 916</b>								
	renector	Heat Resistance <b>Section 916</b>	Misc. <b>Ga550</b>	50 of ea. color	Pre-inspected by Ce	ntral Lab Personnel & tamped				
		Specific Intensity Section 916	GACERT	COIOI	ODIS	lampeu				
	Demountable	Chemical								
	Reflective	Thickness								
	Characters	Dimensions	1							
		Shape								
		Tensile Strength T244								
		Yield Strength T244	Misc. <b>Ga550</b>		ODI 00					
		Elongation T244	GACERT		QPL-80					
		Bend Diameter Factor <b>ASTM B209</b>								
		Hardness ASTM B241	1		_					
		Shear Strength ASTM B565								
	Piling									
	Prestressed Concrete		GACERT		QPL-9, Plant Shipping Report (OMR-122)& Official Plant Stamp; Visual Inspection by Project Personnel					
	Treated Timber Piles	Certification	Misc. GACERT		QPL-50, pre-inspected by Authorized Agency & AWW Stamp					
	Preservative Treatment	Certification	Misc. <b>GACERT</b>		QPL-50 & Pre- inspected by Authorized Agency					

						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	
<b>-</b>				<u>r</u>						
	Aluminum Powder	Fineness ASTM D480	Misc. GACERT							
	Self-Lubricating Bronze Bearing & Expansion Plates & Bushings	Certification	Misc. <b>GACERT</b>		Certified Mill Test Report					
		Pigment ASTM D2371								
		Non-Volatile Vehicle								
		Grind			QPL-46 (Systems IV &					
		Viscosity ASTM D562	Misc. <b>GACERT</b> 1 qt.	V): pre-inspected by						
		Percent Volatile		1 at	Central Lab Personnel qt. & GDT stamped					
				QPL-54 & QPL-73						
		Weight per Gallon <b>ASTM D1475</b>			(System VI): not GDT stamped					
		Color								
		Certification								
		Thickness								
	Seamless Steel Pile	Chemical ASTM A252								
	riie	Tensile Strength <b>T244</b>								
		Yield Strength <b>T244</b>	Misc. <b>Ga165P</b>		QPL-44 & Certified					
			GACERT		Mill Test Report					
		Diameter								
		Weight								
		Certification								
	Fluted Steel Thickness Shell Pile Diameter Misc. Ga165P Yield Strength 7244 GACERT									
			QPL-44 & Certified							
			Mill Test Report							
		Certification			1					
	Steel H-Pile	Charpy ASTM E23	Misc. Ga165P	1	QPL-44 & Certified					
			GACERT		Mill Test Report					

						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	
		Yield Strength ASTM A370		T	-		-			1
		rieid Stierigtii ASTW ASTO								
		Tensile Strength ASTM A370			-					
		Elongation ASTM A370			=					
		Reduction of Area ASTM A370			1					
		Hardness ASTM A370			-					
		Chemical <b>ASTM A709</b>								
		Certification								
	0 147 1	Chemical <b>ASTM F568</b>								
		Yield Strength ASTM F606								
		Tensile Strength ASTM F606								
		Elongation ASTM F606			1					
		Reduction of Area ASTM F606	Misc. <b>GACERT</b>		Certified Mill Test					
		Hardness ASTM F606			Report					
		Length								
		Diameter								
		Thread Class								
		Galvanization ASTM A90 or ASTM E376								
	Aluminum Alloy	Chemical								
		Thickness								
		Dimensions								
		Tensile Strength T244								
		Yield Strength T244	N 4:		Contitional Mail Toot					
		Elongation <b>T244</b>	Misc. GACERT		Certified Mill Test Report					
		Bend Diameter Factor <b>ASTM</b> <b>B209</b>								
		Hardness ASTM B241								
		Shear Strength ASTM B565								
				1						

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
CONCINCOTION	WINCELLING	Tamo a Hambor	, nopon	O, WII LL	710021 171102	7100011711101	7.000101102	57 WH EH (5	TILIW WITE	
	Steel H-Piling	Charpy ASTM E23								
		Thickness								
		Yield Strength ASTM A370	-							
		Tensile Strength ASTM A370	Misc.		-					
		Elongation <b>ASTM A370</b>	Ga165P		QPL-44					+
		Reduction of Area <b>ASTM A370</b>	GACERT		-					+
		Academon of Area Actin Acto								
		Hardness <b>ASTM A370</b>	-							+
		Chemical <b>ASTM A370</b>	-		_					+
		Certification	†							+
	Concrete		1							+
		Compressive Strength <b>T22</b>	Misc. <b>T152</b>							
	Portland Cement	Air Content <b>T137</b>								_
	ortiana ocinioni	Fineness <i>M85</i>	+		-					+
		Autoclave <i>M85</i>	_		-					_
		Compressive Strength <i>M85</i>	DOT-175 <b>Ga175</b>		QPL-3					_
		Vicat <b>T131</b>	-		_					+
		Chemical <i>M85</i>	-		_					+
		Gradation <b>727</b>								
		Sand Equivalent GDT-63	_			QPL-1 Sources, 1 per				
		Sand Equivalent OD 1 00	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons based upon QPL-1, except for Section D,	month, per active plant, except for Section D, Stockpile Basis Sources; GDOT				
	Coarse	Wash 200 <b>T11</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1 per				

						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	Gradation <b>727</b>			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 D Sources.				
	Paints	Pigment ASTM D2371 Non-Volatile Vehicle Grind Viscosity ASTM D562 Dry Time ASTM D711 Percent Volatile Weight per Gallon ASTM D1475 Color Certification	Misc. <b>GACERT</b>	1 qt.	Pre-inspected by Central Lab Personnel & GDT stamped					
ILLUMINATED SIGN SYSTEM	Signs	Certification	Ga550		Pre-inspected by Central Lab Personnel & GDT stamped or QPL-80 with Approval decal					
	Lighting	Light Intensity			Notify Office of Materials & Research for night check of light intensity			After Installation		
STRUCTURAL SUPPORTS FOR OVERHEAD SIGNS	Structures	Certification	Misc. <b>GACERT</b>		QPL-52, pre-inspected by Central Lab Personnel & GDT stamped					
	Steel Pipe	Chemical <b>ASTM A53</b>	Misc. <b>Ga164a</b>		Certified Mill Test					

						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	1		1			,
		Yield Strength <b>T244</b>	GACERT		Report					
		Tensile Strength T244								
		Elongation <b>T244</b>								
		Bending ASTM A53			_					
		Flattening ASTM A53			_					
		Non-Destructive Electric Test  ASTM A53								
		Weight								
		Diameter	1		1					
		Thickness	1		1					
		Finish								
		field Strength ASTIN FOOD								
	Steel Bolts, Nuts									
	& Washers Yield Strength ASTM F6	Yield Strength ASTM F606			=					
		Tensile Strength ASTM F606								
		Elongation ASTM F606	1		1					
	Elongation ASTM F6	Reduction of area <b>ASTM F606</b>	Misc. GACERT		Certified Mill Test					
		Hardness <b>ASTM F606</b>	WIISO. GAGERT		Report					
		Length	1		1					
		Diameter	1		1					
		Thread Class	1							
		Galvanization ASTM A90 or ASTM E376	-							
	Anchor Bolts	Grade <i>M314</i>								
		Yield strength <b>T244</b>	1					1		
	Yield strength 7244 Tensile Strength 7244 Elongation 7244 Reduction of Area 7244 Thread Dimensions Size	1	1 bolt per	Pre-inspected by Central Lab Personnel			1			
		1	diameter.	& GDT stamped.			1			
		Reduction of Area T244	Misc. <b>GACERT</b>	per Heat	Bolts 1 1/2" & larger in diameter are stenciled			Supplier		
		Thread Dimensions	1	Project	with GDT number on					
		Size			threaded end of bolt.					
		Diameter						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	
		Length Chemical <i>M314</i> Galvanization <i>ASTM A153</i>						-		
	Concrete									
		Compressive Strength <b>722</b>	Misc. Ga175							
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>								
		Autoclave <i>M85</i>								
		Compressive Strength <i>M85</i>	DOT-175 <b>Ga175</b>							
		Vicat <b>T131</b>	1							
		Chemical <i>M85</i>	1							
	Fine Aggregate	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</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.				
		Wash 200 <b>T11</b>								
	Aggregate	Gradation <b>T27</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
	Silicone Sealant	Tensile Strength ASTM D412	Misc. GACERT							
		Durometer ASTM D2240								

						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	
			_							
		Bond <i>GDT-106</i>								
		Tack Free Time GDT-106								
		Extrusion GDT-106								
		Non-Volatile GDT-106								
		Specific Gravity ASTM D792								
		Adhesion <i>GDT-106</i>								
		Resistance ASTM C793								
	Reinforcement	M31M	Reinforce-ment Test Report <b>Ga166</b>		QPL-12, QPL-61 & Ce	ertified Mill Test Report				
639										
STRAIN POLE FOR OVERHEAD SIGN & SIGNAL ASSEMBLIES	Timber Poles	Retention of Preservative AWPA C14	Misc. GACERT		QPL-50 & pre- inspected by Authorized Agency with AWW stamp on each end of pole					
	Guy Wires	Diameter ASTM A475								
		Number of Wires ASTM A475								
		Weight <b>ASTM A475</b>			_					
		Breaking Strength ASTM A475	Misc. <b>GACERT</b>		QPL-72					
		Elongation ASTM A475			1					
		Galvanization ASTM A475	-		1					
		Ductility ASTM A475	-		7					
	Steel Poles	Charpy ASTM E23								
		Thickness								
		Yield Strength ASTM A370	Misc. GACERT		OPL-52 pre-ineped	ted & GDT stamped				
		Tensile Strength ASTM A370	MIOO. CACENT		wi E 32, pre-inspec	statilped				
		Elongation ASTM A370								

						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	
				•		•				•
		Reduction of Area ASTM A370								
		Hardness ASTM A370								
		Chemical ASTM A709								
		Certification								
	Concrete Poles		GACERT		QPL-9, Plant Shippin embedde	g Report (OMR-122) & d I.D. Plate				
	Concrete	l			L					
		Compressive Strength T22	DOT-319 <b>T152</b>							
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>								
		Autoclave <b>M85</b>	1							
		Compressive Strength <i>M85</i>	DOT-175 <b>Ga175</b>							
		Vicat <b>7131</b>	1							
		Chemical <i>M85</i>	1							
	Portland	Air Content <b>T137</b>								
	Pozzolan Cement	Fineness M240								
	Cement	Autoclave <b>A240</b>	1							
		Compressive Strength M240	DOT-175 <b>Ga175</b>							
		Vicat <b>T131</b>	1							
		Chemical <i>M240</i>								
	Fine Aggregate	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</i>		20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	materials delivered from Section D Sources.				
	Coarse	Wash 200 <b>T11</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1 per				

						GUIDE FREQUENCY				
T)/D5		TEAT PROOFFILIPEA	 	0175.05			INDEDENDENT	LOGATION OF TIME OF		
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
	•		•	•		•				
	Aggregate	Gradation <b>727</b>			based upon QPL-2, except for Section D,	month, per active plant, except for				
					Stockpile Basis	Section D, Stockpile				
						Basis Sources; GDOT				
					Section D must be sampled.	will perform acceptance tests on				
						materials delivered				
						from Section D Sources.				
	Highway Signs	Certification	Misc. <b>Ga550</b>		Pre-inspected by Ce	entral Lab Personnel & -80 with Approval decal				
			GACERT		GDT stamped or QPL	-60 with Approval decar				
	Anchor Bolts	Grade <i>M314</i>								
		Yield Strength <b>T244</b>						_		
		Tensile Strength <i>T244</i>								
		Elongation <b>T244</b>		1 bolt per diameter, Pre-inspected by Central Lab P				†		
		Reduction of Area T244				entral Lab Personnel &		1		
		Thread Dimensions	Misc. GACERT	per Heat	largar are stansiled	s 1 1/2" in diameter & with GDT number on		Supplier		
		Size		Number, per Project	threaded	end of bolt.				
		Diameter		Fioject						
		Length								
		Chemical M314								
		Galvanization ASTM A153								
640										
REFLECTORIZED RAILROAD CROSS BUCK SIGN	Sign	Certification	Ga550		Pre-inspected by Co GDT stamped or QPL	entral Lab Personnel &80 with approval decal				
	Concrete									
		Compressive Strength <b>722</b>	Misc.							
		Compressive careingar 722	T152							
	Portland Cemen	t Air Content <b>T137</b>								
		Fineness <i>M85</i>								
		Autoclave M85	DOT-175 <b>Ga175</b>							
		Compressive Strength M85								
		Vicat <b>7131</b>								

						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	
	T	I		T	1	1		T	T	1
		Chemical M85								
	Portland Pozzolan	Air Content <b>T137</b>								
	Cement	Fineness M240								
		Autoclave <i>M240</i>	DOT-175 <b>Ga175</b>							
		Compressive Strength M240								
		Vicat <b>7131</b>								
		Chemical M240								
	Fine Aggregate	Gradation <b>T27</b>								
		Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Source; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except from Section D, Stockpile Basis Sources.; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
	Coarse	Wash 200 <b>T11</b>								
	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Source; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except from Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
641										
GUARD RAIL	Steel Guard Rail	Dimensions <i>M180</i> Yield Strength <i>T244</i> Tensile Strength <i>T244</i>	Misc.		QPL-8 & Certified Mill				Determination of Zinc Coating with Thickness Gauge	
		Elongation <i>T244</i> Chemical <i>M180</i> Galvanization	Ga165 GACERT		Test Report				Independent Assurance: sample occasionally	
	Aluminum Guard	Chemical ASTM B209	Misc.		QPL-8 & Certified Mill			Stock	Determination of Zinc	

						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	
Г	Ī				1	1	T	_	1	
	Rail		Ga165 GACERT		Test Report				Coating with Thickness Gauge	
		Dimensions Section 859.01.B							Independent Assurance: sample occasionally	
		Tensile Strength <b>T244</b>								
		Yield Strength T244			1					
		Elongation <b>T244</b>			1					
		Bend Diameter Factor <b>ASTM B209</b>								
		Hardness ASTM B241								
		Shear Strength ASTM B565								
	Cable End Anch									
			GACERT							
	Anchor Plates	Charpy ASTM E23								
		Thickness								
		Yield Strength ASTM A370								
			Misc.		Certified Mill Test					
		Elongation ASTM A370	Ga165 GACERT		Report					
		Reduction of Area <b>ASTM A370</b>	<b>5</b> /15 <b>2</b> /11							
		Hardness ASTM A370			1					
		Chemical ASTM A709								
		Certification								
	Anchor Rods	Chemical ASTM A575 or ASTM A576	Misc. <b>Ga165</b> GACERT		Certified Mill Test Report					
	Anchor Cable	Diameter ASTM A741								
			Misc. <b>Ga165</b> <b>GACERT</b>		Certified Mill Test Report					
		Weight ASTM A741	GACERI		<b>†</b>					

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
		Breaking Strength ASTM A741								
		Galvanization ASTM A741								
		Ductility ASTM A741								
		Appearance								
	Bolts & Nuts	Chemical ASTM F568								
		Yield Strength ASTM F606								
		Tensile Strength ASTM F606	1							
		Elongation ASTM F606								
		Reduction of Area ASTM F606	Misc. Ga165		Certified Mill Test Report					
		Hardness ASTM F606	GACERT		-					
		Length	1		-					
		Diameter	_							
		Thread Class	1							
		Galvanization ASTM A153	1							
	Steel Posts	Charpy ASTM E23								
		Thickness						1		
		Yield strength ASTM A370						1		
		Tensile Strength ASTM A370	_							
		Elongation ASTM A370	Misc.		ODL 9.9 Contition Mill			-	Indonesident Assurance	
		Reduction of Area <b>ASTM A370</b>	Ga165 GACERT	1 Post	QPL-8 & Certified Mill Test Report			Stock	Independent Assurance: sample occasionally	
			GACERI						,	
		Hardness ASTM A370	1					1		
		Chemical ASTM A709	1					1		
		Certification	1					1		
		Galvanization ASTM A123	1							

					(	GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY		LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
	Concrete Posts		Ga165		Pre-inspected by Central Lab Personnel or if manufactured on job, sampled in accordance with Section 500, Concrete Pipe Headwall			Project		
	Wood Posts	Retention of Preservative AWPA C14	Misc. Ga165		QPL-50 & pre- inspected by Authorized Agency with AWW stamp in each end				Independent Assurance: sample occasionally	
	Metal Caps		Misc. Ga165		Certified Mill Test Report				Independent Assurance: sample occasionally	
	Anchor Assembly	Certification	Misc. <b>Ga165</b>		Certified Mill Test Report					
	Wood Offset Blocks	Retention of Preservative AWPA C14	Misc. <b>Ga165</b>		QPL-50, pre-inspected by Authorized Agency & AWW stamped				Independent Assurance: sample occasionally	
	Steel Offset Blocks	Certification	Misc. <b>Ga165</b>		QPL-8 & Certified Mill Test Report					
	Bolts, Nuts & Washers	Certification	Misc. <b>Ga165</b>		Certified Mill Test Report			Stock		
	Galvanized Repair Compound	Certification	Misc. <b>Ga165</b>	1 qt.	Pre-inspected by Cer GDT st	tral Lab Personnel & amped		Supplier		
643										
FENCE	Chain Link Fence Fabric	Specification Requirements ASTM A392 or ASTM A491  Height Diamond Count	Misc. <b>GACERT</b>	1 ft	Pre-inspected by Central Lab Personnel; 1 sample per 50 rolls*, per Project & GDT tagged			Supplier	*Material not pretested: Engineer should contact Inspection Services Branch of Office of Materials & Research prior to use	
		Mesh Size								

					(	GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
		Wire Diameter								
		Breaking Strength ASTM A817								
		Coating ASTM A817								
	Chain Link Fence Posts	Specification Requirements ASTM F669								
		Dimensions								
		Yield Strength ASTM A702			Pre-inspected by Central Lab				Independent Assurance: sample occasionally	
		Tensile Strength ASTM A702	Misc. <b>GACERT</b> for	for	Personnel; 1 sample per Project & GDT tagged or stamped			Supplier		
		Weight			lagged of stamped					
		Hardness ASTM A702								
		Galvanization ASTM A123						_		
	Barbed Wire	Specification Requirements								
		ASTM A121 or ASTM A585								
		Diameter						_		
		Number of Points ASTM A121			Pre-inspected by Central Lab Personnel			_		
		Shape & Spacing of Barbs ASTM A121	Misc. <b>GACERT</b>	S II.	& GDT tagged; 1 per 50 rolls per Project			-Supplier		
		Breaking Strength ASTM A121						-		
		Coating ASTM A121 or ASTM A585						-		
	Concrete	1	<u>I</u>	1	1	<u>I</u>	<u>I</u>	I	<u>I</u>	
		Compressive Strength T22	Misc. <b>T152</b>							
	Portland Cemen	Air Content <b>T137</b>								
		Fineness <i>M85</i>			1					
		Autoclave <i>M85</i>	DOT-175 <b>Ga175</b>		QPL-3					
		Compressive Strength M85			1					
		Vicat <b>7131</b>			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	
	_	T	_	1	T	,				<del></del>
		Chemical <i>M85</i>								
	Portland Pozzolan	Air Content <b>T137</b>								
	Cement	Fineness M240								
		Autoclave M240	DOT-175 <b>Ga175</b>		QPL-3					
		Compressive Strength M240	DOT-175 <b>Ga175</b>		Q1 E 3					
		Vicat <b>T131</b>								
		Chemical <i>M240</i>								
	00 0	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; materil from Section D must b 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.				
		Wash 200 <b>T11</b>								
	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
		Height								
	Fence Fabric	Vertical & Horizontal Spacing								
		Diameter	<u> </u>							
		Number of Wires	Misc. <b>GACERT</b>		Certified Mill Test			-Stock		
		Breaking Strength ASTM A116	-IVIISC. GACER I		Report			-SIOCK		
		Coating ASTM A116 or ASTM A584	-							

						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	
	Steel Posts & Bracing	Specification Requirements  ASTM F669	GACERT		Certified Mill Test Report			Stock		
	Wood Fence	Dimensions					•			
	Posts	Preservative Treatment	Misc. GACERT				ected by Authorized /W stamp in each end		Independent Assurance: sample occasionally	
		Certification	-			Agency with an Avv	w stamp in each end			
	Metal Caps	Specification Requirements ASTM A93			Certified Mill Test				Independent Assurance:	
		Thickness	Misc. GACERT		Report				sample occasionally	
		Galvanization ASTM A525	1					1		
	Ground Rods	Diameter			0-1	2 - day day day				
		Length				Rods: pre-inspected by nnel & GDT stamped				
		Galvanization ASTM A153	Misc. <b>GACERT</b>			ds: Certified Mill Test eport				
645			•				<u> </u>			
REPAIR OF GALVANIZED COATINGS	Galvanized Repair Compound	Certification	Misc. GACERT	1 qt.	Pre-inspected by Central Lab Personnel & GDT stamped			Supplier		
647										
TRAFFIC SIGNAL INSTALLATIONS	As Specified	As Specified	GACERT		Pre-approved Catalo	g Cuts on all Materials				
648										
TRAFFIC IMPACT ATTENUATOR	Attenuator	Certification	GACERT						Independent Assurance: sample occasionally	
	Miscellaneous Items	Certification	GACERT							
	Concrete	Compressive Strength GDT-35 & T22	DOT-319 <b>T152</b>	2 cylinders	See NOTE 1		Observe 1 set per 750 yd <sup>3</sup>		Cylinders to be broken in Branch or Central Lab	
		<b>NOTE 1:</b> One set per each 50 y shall be fabricated for each cumulplaced in another structure.	d <sup>3</sup> of each Class of ulative 50 yd <sup>3</sup> or fra	f Concrete pla action there of	aced daily for each struction of Concrete placed pe	cture, except for Concre er week in each structur	ete used in Bridge Curb, e. Cylinders shall not b	Handrail or Wall Coping. e fabricated at one structu	Two Concrete cylinders re to represent Concrete	
		Air Content GDT-26 or GDT-32	DOT-168	See NOTE 2	When cylinders are made		Observe 1 set per 750 yd <sup>3</sup>		Additional Slump tests will be required when Water is added on Project	

						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	
	T			1		<b>T</b>				
		Slump GDT-27								
		Mix Temperature GDT-122								
		NOTE 2: Air, Slump & Mix Temp every third load on bridge deck p		all required wh	nen cylinders are made	e & as judged necessary	to insure adequate co	ntrols. Additional tests are	recommended at least	
	Sand	Gradation <b>727</b>			One per Project			Stock		
649				•						
	Concrete									
SCREEN		Compressive Strength <i>GDT-35</i> & <i>T22</i>	DOT-319 <b>T152</b>	2 cylinders	See NOTE 1		Observe 1 set per 1,500 yd <sup>3</sup>	During pouring operations	Cylinders to be tested in Branch or Central Lab	
		<b>NOTE 1:</b> One set per each 75 ye fraction thereof, placed daily.	d <sup>3</sup> , for fraction ther	reof, placed d	aily, except for Concre	ete Barrier placed with sl	ip form equipment. Tw	o cylinders shall be fabrica	ted for each 150 yd <sup>3</sup> , or	
		Air GDT-26 or GDT-32								
		Slump GDT-27		See <b>NOTE</b>			Observe 1 set per -1,500 yd <sup>3</sup>	During pouring		
		Mix Temperature GDT-122					-1,500 yd	operations		
		NOTE 2: Air, Slump & Mix Temp	perature tests are r	equired when	cylinders are made &	as judged necessary to	insure adequate contr	ol.		
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>	-							
		Autoclave <b>M85</b>	DOT 175 <b>0 175</b>							
		Compressive Strength M85	DOT-175 <b>Ga175</b>		QPL-3					
		Vicat <b>T131</b>	-							
		Chemical <i>M85</i>								
		Air Content T137								
	Pozzolan Cement	Fineness M240	1							
		Autoclave <b>M240</b>	<u> </u>							
		Compressive Strength M240	DOT-175 <b>Ga175</b>							
		Vicat <b>T131</b>	1							
		Chemical <i>M240</i>	1							
	Fine Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons	QPL-1 Sources, 1 per				

						OLUBE EDEOLIENOV				
			-			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	
CONSTRUCTION	IVIATERIAL	Name & Number	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REWARKS	
		Sand Equivalent <i>GDT-63</i>			Stockpile Basis	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>								
	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material fron Section D must b 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.				
650										
IMPACT	Steel Attenuator	Certification			Certified	Mill Report				
ATTENUATOR	Concrete Base		L	I				I.		
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>	1							
		Autoclave <b>M85</b>				One per Quarter, per		Ī		
		Compressive Strength M85	DOT-175 <b>Ga175</b>	10 lbs.	QPL-3	Source, per District		Stock		
		Vicat <b>T131</b>								
		Chemical M85								
	Portland	Air Content <b>T137</b>								
	Pozzolan Cement	Fineness M240								
	Comone	Autoclave <b>M240</b>	DOT 175 0-175							
		Compressive Strength M240	DOT-175 <b>Ga175</b>							
		Vicat <b>T131</b>								
		Chemical <i>M240</i>								

						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	
	I	T	T	T		1				
	Fly Ash	Physical & Chemical <b>ASTM C311</b>								
		Fineness M295								
		Activity M295	DOT-175 <b>Ga175</b>	10 lbs.	QPL-30	One per Quarter, per Source, per District		Stock		
		Soundness M295				Source, per District				
		Density M295								
		Chemical M295								
	Slag	Fineness M302								
		Activity M302								
		Soundness M302	DOT-175 <b>Ga175</b>	10 lbs.	QPL-30	One per Quarter, per Source, per District		Stock		
		Density M302				Cource, per Biotrict				
		Chemical M302								
	Coarse	Wash 200 <b>T11</b>								
	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		Stock or Conveyor Belt		
	Fine Aggregate	Gradation 727								
		Sand Equivalent GDT-63				QPL-2 Sources, 1 per				
		Wash 200 <b>T11</b>	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons based upon QPL-1,	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		
	Water	Quality of Water to be Used in Concrete <b>726</b>	Ga088	1 qt.*	One per unpotable Source, per month			Enough in advance so that results are known before use	*non-metal container	

						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	
	Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete <i>M154</i>	GACERT	1 qt.	QPL-13	One per 6 months, per Source, per District		Ready Mix Plant Stock		
	Chemical Admixtures	Chemical Admixtures for Concrete <i>M194</i>	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		
	Steel Bars for	Number <i>M31M</i>								
	Reinforcement	Weight <b>M31M</b>								
		Dimensions M31M			QPL-12 & QPL-61					
		Deformation Spacing M31M								
		Height & Gap <i>M31M</i>	Reinforce-ment	2 pcs. @ 24" per size		Random sampling at				
		Tensile Strength T244	Test Report Ga166			Fabricator				
		Yield Strength T244	Gallob							
		Elongation T244								
		Elongation <i>T244</i> Bend Test <i>T285</i> Chemical <i>M31M</i>								
	Steel Wire for	Size <b>M32M</b>								
	Reinforcement	Diameter M32M								
		Area <b>M32M</b>	Reinforce-ment		]					
		Tensile Strength T244	Test Report		Certified Mill Test Report					
		Yield Strength T244	Ga166 GACERT							
		Area Reduction <b>T244</b>								
		Bend Test M32M								
	Welded Steel	Size <i>M55M</i>								
	Wire Fabric for Reinforcement	Diameter <i>M55M</i>								
		Area <b>M55M</b>								
		Tensile Strength T244								
		Yield Strength T244	Welded Wire Test Report <b>Ga166</b>	:	-QPL-55					
		Area Reduction <b>T244</b>			QrL-00					
		Bend Test <i>M55M</i>								
		Weld Shear Strength <i>M55M</i>								
		Width <b>M55M</b>								
		Length <i>M55M</i>								

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY		LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
		Spacing <i>M55M</i>	<u> </u>			1		T		
651		Opacing <b>moon</b>		ļ	<u> </u>					
	Enoxy Adhesive	Pot Life <i>GDT-58</i>								
BARS	Lpoxy Adricoive	Elongation <i>GDT-58</i>						+		
		Bond Strength <i>GDT-58</i>						+		
		Hardness ASTM D2240	Misc. GACERT	1 kit	QPL-15 or 1 sample per batch, per Type			Stock		
		Sag Test <b>7237</b>			po. 50.0, po. 1.)po			-		
		Wet Bond Test <b>7237</b>						-		
	Concrete	Wet Bella Feet 7207								
	<u></u>	Compressive Strength <i>GDT-35</i> & <i>T22</i>	DOT-319 <b>T152</b>	2 cylinders	See NOTE 1	T152	Observe 1 set per 750 yd <sup>3</sup>		Cylinders to be broken in Branch or Central Lab	
		placed in another structure.  Air Content <i>GDT-26 or GDT-32</i>	-		When cylinders are		Observe 1 set per 750	Placement site	Additional Slump test will be required when Water is added on Project	
			DOT-168	See NOTE 2	made		yd <sup>3</sup>		,	
		Slump GDT-27								
		Mix Temperature GDT-122		<u> </u>	<u> </u>	<u> </u>	<u> </u>			
		NOTE 2: Air, Slump & Mix Temp every third load on bridge deck p		ii required wr	nen cylinders are made	& as judged necessary	to insure adequate cor	ntrois. Additional tests are	recommended at least	
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>								
		Autoclave <b>M85</b>	DOT-175 <b>Ga175</b>		ODL 2					
		Compressive Strength <i>M85</i>			QPL-3					
		Vicat <b>T131</b>								
		Chemical <i>M85</i>								
	Fine Aggregate	Gradation <b>T27</b>	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons	QPL-1 Sources, 1 per				

						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	
		Sand Equivalent <i>GDT-63</i>			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 Aggregate	Wash 200 <b>T11</b> Gradation <b>T27</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
PAINTING TRAFFIC STRIPE	Paint	Pigment ASTM D2371  Non-Volatile Vehicle  Grind  Viscosity ASTM D562  Dry Time ASTM D711  Percent Volatile  Weight per Gallon ASTM D1475  Color  Certification	Misc. <b>GACERT</b>	2 pints per batch	QPL-46, pre-inspected by Central Lab Personnel & GDT stamped			-Supplier	Independent Assurance: sample occasionally	
	Glass Beads	Gradation ASTM D1214 Roundness ASTM D1155 Refractive Index M247 Flow M247	Misc. <b>GACERT</b>	1 bag per 10,000 lbs., split for a one gal. composite		ntral Lab Personnel & tamped			Independent Assurance: sample occasionally	

						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	
		Visual		sample						
653										
THEMOPLASTIC	Thermoplastic	Softening Point ASTM D36								
TRAFFIC STRIPE		Color Retention ASTM D620						]		
		Indentation Resistance ASTM D2240		1 bag per 10,000 lbs.,	Pre-inspected by					
		Water Absorption ASTM D570	Misc. GACERT	split for a 10	Central Lab Personnel with GDT stamp or QPL-46 & CTT				Independent Assurance: sample occasionally	
		Binder ASTM D4797		composite sample	stamped					
		Abrasion Resistance		Sample				-		
		Color						-		
		Reheating								
		Percent Glass Beads						-		
	Glass Beads	Gradation ASTM D1214		1 bag per						
		Roundness ASTM D1155		10,000 lbs.,						
		Refractive Index M247	Misc. GACERT	split for a one gal.		ntral Lab Personnel & on outside of bag		Stock		
		Flow <b>M247</b>		composite		outoido di sag				
		Visual		sample						
654										
RAISED PAVEMENT MARKERS	Raised Pavement Markers	Specific Intensity ASTM D4280			QPL-76, pre-inspected					
	iviaikeis	Compressive Strength <b>ASTM D4280</b>	Misc. GACERT	50 ea.	by Central Lab Personnel & GDT stamped			Stock		
		Color								
	Epoxy Resin	Pot Life GDT-58								
	Adhesive	Elongation GDT-58								
		Bond Strength GDT-58	Miss OAGERT	4.19	QPL-15 <u>or</u> 1 sample			1		
		Hardness ASTM D2240	Misc. GACERT	1 kit	per batch, per Type			Stock		
		Sag Test <b>T237</b>	]							
		Wet Bond Test <b>7237</b>								
	Bituminous	Softening Point <b>T53</b>	Misc. GACERT		Certified Mill Test			Stock		

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
CONCINCOTION	MATERIAL	Name a Namber	ποροπ	OAWII LL	AUULITANUL	ACCONANCE	ACCONANCE	OAWII EIIVO	KLIWIAKKO	
	Adhesive	Penetration <b>T49</b>			Report					
		Flow ASTM D3407								
		Flash Point <b>T48</b>						1		
		Viscosity ASTM D2669 & T202								
		Filler Content	-		†			-		
		Filler Fineness ASTM C430			_			†		
655										
PAVEMENT ARROW	Paint	Pigment ASTM D2371								
WITH RAISED REFLECTORS		Non-Volatile Vehicle								
REFELCTORS		Grind								
		Viscosity ASTM D562								
		Dry Time ASTM D711	Miss CACEDT	2 pints per	QPL-46, pre-inspe	ected by Central Lab				
		Percent Volatile	Misc. GACERT	batch number	Personnel &	GDT stamped				
		Weight per Gallon ASTM D1475								
		Color	-							
		Certification	-							
	Epoxy Resin	Pot Life <b>GDT-58</b>								
	Adhesive	Elongation <i>GDT-58</i>	-					-		
		Bond Strength <i>GDT-58</i>	-		QPL-15 <u>or</u> 1 sample			-		
		Hardness ASTM D2240	Misc. GACERT	1 kit	per batch, per Type			Stock		
		Sag Test <b>7237</b>	-					-		
		Wet Bond Test <b>7237</b>	-					-		
	Glass Beads	Gradation ASTM D1214				1				
		Roundness ASTM D1155	1	1 bag per						
		Refractive Index <i>M247</i>	1	10,000 lbs.,						
		Flow <b>M247</b>	Misc. GACERT	split for a one gal.	Pre-inspected by Ce	entral Lab Personnel & stamped				
		Visual	1	composite	GDIS	sampeu				
				sample						
	Thermoplastic	Softening Point ASTM D36			Pre-inspected by					
		Color Retention ASTM D620	Misc. <b>GACERT</b>		Central Lab personnel & GDT stamped <u>or</u> QPL-46 & CTT					

					(	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	
	T	T	T				1	T		
		Indentation Resistance ASTM D2240			stamped					
		Water Absorption ASTM D570			-					
		Binder ASTM D4797								
		Abrasion Resistance								
		Color								
		Reheating								
		Percent Glass Beads								
	Raised Pavement Markers	Specific Intensity ASTM D4280		50 markers per	QPL-76, pre-inspected					
	ivial Kers	Compressive Strength <b>ASTM D4280</b>	Misc. <b>GACERT</b>	shipment (random	by Central Lab personnel & GDT stamped					
		Color		samples)	'					
	Bituminous	Softening Point <b>753</b>								
	Adhesive	Penetration <b>T49</b>								
		Flow <b>ASTM D3407</b>								
		Flash Point <b>T48</b>			Certified Mill Test					
		Viscosity ASTM D2669 & T202	Misc. GACERT		Report			Stock		
		Filler Content								
		Filler Fineness ASTM C430								
657										
PREFORMED	Marking Material	Pigment ASTM E303								
PLASTIC PAVEMENT MARKINGS		Refractive Index ASTM D4592								
		Thickness ASTM D4592	Misc. GACERT							
		Reflective Intensity <b>ASTM D4601</b>		ISC. GACERI						
		Color								
660				•						

						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	
CONSTRUCTION	WATERIAL	Name & Number	Report	SAIVIFLL	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	KLIVIAKKS	
SANITARY SEWERS	Backfill	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	45 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	As required by Project Engineer				
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>								
		Autoclave <b>M85</b>				One per Quarter, per				
		Compressive Strength M85	DOT-175 <b>Ga175</b>	10 lbs.	QPL-3	Source, per District		Stock		
		Vicat <b>7131</b>	_							
		Chemical <i>M85</i>								
	Fine Aggregate for Mortar	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	20 lbs.	QPL-1					
	Sewer Joint Sealing Compound	Specification Requirements Federal Specifications SS-S- 169	GACERT	1 qt.	QPL-21 <u>or</u> 1 per lot, per shipment					
	Rubber Gaskets	Tensile Strength ASTM D412								
		Elongation ASTM D412						-		
		Hardness ASTM D2240								
		Tear Strength ASTM D624		1 of ea.	QPL-21 & Certified					
		Compression Set ASTM D395	Misc. GACERT	Туре	Mill Test Report			Stock		
		Water Absorption ASTM D471								
		Color						-		
	Resilient Clay Joints & Jute Heap		GACERT		Accepted based on Project inspection					
	Reinforced Con	crete Pipe		1		<u> </u>				
		M170			QPL-4 & GDT	or CPT stamp				
	Portland Cement	Air Content <b>T137</b>	DOT-175 <b>Ga175</b>							

						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									,
		Fineness M85								
		Autoclave M85								
		Compressive Strength M85								
		Vicat <b>T131</b>								
		Chemical <b>M85</b>								
	Fly Ash	Fineness M295								
		Activity <b>M295</b>								
		Soundness M295	DOT-175 <b>Ga175</b>		QPL-30					
		Density M295								
		Chemical M295								
	Fine Aggregate	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</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	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
	Coarse Aggregate	Wash 200 <b>T11</b> Gradation <b>T27</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis	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	Size <i>M32M</i>								
	D	Diameter M32M			-					
		Area <b>M32M</b>	Reinforce-ment Test Report		Certified Mill Test					
		Tensile Strength <b>T244</b>	Ga166		Report -					
		Yield Strength <b>T244</b>	-		$\dashv$					+

						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	
					· ·	1				•
		Area Reduction T244								
		Bend Test M32M								
		Size <i>M55M</i>								
	Reinforcement	Diameter <i>M55M</i>								
		Area <b>M55M</b>	1							
		Tensile Strength T244	1							
		Yield Strength T244	1							
		Area Reduction T244	Welded Wire Test Report <b>Ga166</b>		QPL-55					
		Bend Test <i>M55M</i>	- Report Garoo							
		Weld Shear Strength <i>M55M</i>	1							
		Width <i>M55M</i>	1							
		Length <i>M55M</i>								
		Spacing <i>M55M</i>	1							
	Cylinders	Compressive Strength	T152							
		Diameter M170								
	Properties	Thickness M170								
		Reinforcement Design M170								
		External Load Strength T280								
	Non-Reinforced	Concrete Pipe		•						
		M86	Ga164		QPL-4 & GDT or CPT stamped					
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>	1							
		Autoclave <i>M85</i>	DOT 175 0 175							
		Compressive Strength M85	DOT-175 <b>Ga175</b>							
		Vicat <b>7131</b>	1							
		Chemical <i>M85</i>	1							
	Fly Ash	Fineness <i>M295</i>								
		Activity <b>M295</b>	1		7					
		Soundness <i>M295</i>	DOT-175 <b>Ga175</b>		QPL-30					
		Density M295	1		1					
		Chemical <b>M295</b>	1		7					
	Fine Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons	QPL-1 Sources, 1 per				

						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	
		Sand Equivalent <i>GDT-63</i>			Stockpile Basis	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> Gradation <b>T27</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
	Physical Properties	Diameter <i>M86</i> Thickness <i>M86</i> External Load Strength <i>T280</i> Absorption <i>M86</i>								
	Cast Iron Pipe	Permeability M86  Transverse Bend Test ASTM A438  Tensile Strength ASTM E8  Dimensions  Coating	Misc. <b>Ga164a</b> - <b>GACERT</b>		Certified Mill Test Report					
	Clay Pipe	Absorption ASTM C700 Dimensions Glaze ASTM C700 Blisters ASTM C700	Misc. <b>Ga164a</b> <b>GACERT</b>		Certified Mill Test Report					

						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	
								<u>.                                      </u>		
		Cracks ASTM C700								
		Perforations ASTM C700								
		Fittings ASTM C700								
	PVC Sewer Pip							<del>-</del>		
		Dimensions								
		Flattening ASTM D3034								
		Impact Strength ASTM D3034								
		Stiffness ASTM D3034	Misc. <b>Ga164a</b> <b>GACERT</b>		Certified Mill Test Report					
		Joint Tightness ASTM D3212								
		Fittings ASTM D3034								
		Certification								
	Elastomeric Seals	Tensile Strength ASTM D412			Certified Mill Test Report					
		Elongation ASTM D412	1							
		Hardness ASTM D2240	Misc.							
		Compression Set ASTM D395	GACERT							
		Stress Relaxation ASTM F913	-							
	Steel Pipe	Chemical <b>ASTM A53</b>								
		Yield Strength T244								
		Tensile Strength T244								
		Elongation T244								
		Bending ASTM A53								
		Flattening ASTM A53	1		1					
		Non-Destructive Electric Test ASTM A53	Misc. <b>Ga164a</b> <b>GACERT</b>		Certified Mill Test Report					
		Weight	-		-					
		Diameter	1							
		Thickness	1							
		Finish	1							
		Appearance								

						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	
		T	1	T	Ţ			1		
	Plastic Truss Pipe	Dimensions								
	i ipe	Stiffness ASTM D2680	Misc. <b>Ga164a</b>		Certified Mill Test					
		Deflection ASTM D2680	GACERT		Report					
		Joints & Fittings ASTM D2680								
	Ductile Iron Pipe	Certification	Ga164a GACERT		Certified Mill Test Report					
	Bolted	Dimensions			Certified Mill Test					
	Couplings	Certification	Misc. GACERT		Report					
	Cement Mortar Lining	Certification	GACERT							
	Coal-Tar Enamel Lining	Certification	GACERT							
668										
MISC. DRAINAGE	Concrete									
STRUCTURES		Compressive Strength <i>GDT-35</i> & <i>T22</i>	DOT-319 <b>T152</b>	2 cylinders	See NOTE 1		Observe 1 set per 750 yd <sup>3</sup>	During pouring	Cylinders to be broken in Branch or Central Lab	
		NOTE 1: One set per each 50 y shall be fabricated for each cumplaced in another structure.	d <sup>3</sup> of each Class of ulative 50 yd <sup>3</sup> or fra	Concrete pla ction thereof,	of Concrete placed po	cture, except for Concre er week in each structure	te used in Bridge Curb, e. Cylinders shall not be	Handrail or Wall Coping. e fabricated at one structur	Two Concrete cylinders e to represent Concrete	
		Air Content GDT-26 or GDT-32								
					When cylinders are		Observe 1 set per 750	Placement site	Additional Slump test will	
		Slump <b>GDT-27</b>	DOT-168	See NOTE 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	
		Slump <i>GDT-27</i> Mix Temperature <i>GDT-122</i>	DOT-168	See NOTE 2					be required when Water -	
			perature tests are a	2	made	& as judged necessary	yd <sup>3</sup>		be required when Water is added on Project	
		Mix Temperature <i>GDT-122</i> NOTE 2: Air, Slump & Mix Temp	perature tests are a	2	made	> & as judged necessary	yd <sup>3</sup>		be required when Water is added on Project	
		Mix Temperature <i>GDT-122</i> NOTE 2: Air, Slump & Mix Tempevery third load on bridge deck p	perature tests are a	2	made	3 & as judged necessary	yd <sup>3</sup>		be required when Water is added on Project	
		Mix Temperature <i>GDT-122</i> NOTE 2: Air, Slump & Mix Tempevery third load on bridge deck pair Content <i>T137</i>	perature tests are a lacement.	2	made nen cylinders are made	e & as judged necessary	yd <sup>3</sup>		be required when Water is added on Project	
		Mix Temperature <i>GDT-122</i> NOTE 2: Air, Slump & Mix Tempevery third load on bridge deck pair Content <i>T137</i> Fineness <i>M85</i>	perature tests are a	2	made	& as judged necessary	yd <sup>3</sup>		be required when Water is added on Project	
		Mix Temperature <i>GDT-122</i> NOTE 2: Air, Slump & Mix Tempevery third load on bridge deck pair Content <i>T137</i> Fineness <i>M85</i> Autoclave <i>M85</i>	perature tests are a lacement.	2	made nen cylinders are made	& as judged necessary	yd <sup>3</sup>		be required when Water is added on Project	
		Mix Temperature <i>GDT-122</i> NOTE 2: Air, Slump & Mix Tempevery third load on bridge deck pair Content <i>T137</i> Fineness <i>M85</i> Autoclave <i>M85</i> Compressive Strength <i>M85</i>	perature tests are a lacement.	2	made nen cylinders are made	e & as judged necessary	yd <sup>3</sup>		be required when Water is added on Project	

						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	
		Sand Equivalent <i>GDT-63</i>			Stockpile Basis	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> Gradation <b>T27</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
		Size Absorption 732	Misc. <b>GACERT</b>							
		Compressive Strength <i>T32</i> Percent Wear <i>T96</i> Soundness <i>T104</i> Appearance Dimensions Abrasion <i>T96</i>	DOT-658 <b>Ga658</b>	100 lbs.	One per Project  Visual Inspection			Stock		
	Mortar & Grout	Gradation <i>GDT-3</i>		20 lbs.		onsistency & quality; espection				
	n · .	Size M32M Diameter M32M Area M32M Tensile Strength T244 Yield Strength T244	Reinforce-ment Test Report Ga166 GACERT		Certified Mill Test Report					
		Area Reduction T244								

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
		Bend Test M32M								
	Gray Iron Casting	Specification Requirements <i>M105 Class 20</i>			Pre-inspected by					
		Dimensions As Specified		0.4.4.1	Central Lab Personne & GDT stamped or	I -				
		Tensile Strength M105	Misc. GACERT	2 test bars	QPL-11 & Certified					
		Breaking Load <b>M105</b>			Casting Technician (CCT) stamped					
	Precast Units	Certification	Misc. GACERT		QPL-4 & CPT stamp or pre-inspected by Central Lab Personne & GDT stamped	I				
	Sand for Bedding Material	Gradation <i>GDT-3</i>	Ga658	20 lbs.	One per 1,500 yd <sup>3</sup>			Stockpile		
	Non-Reinforced	Concrete Pipe								
		M86			QPL-4 & GDT or CPT stamp					
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>								
		Autoclave <i>M85</i>	DOT-175 <b>Ga175</b>							
		Compressive Strength <i>M85</i>	DO1-175 <b>Ga175</b>							
		Vicat <b>T131</b>								
		Chemical M85								
	Fly Ash	Fineness M295								
		Activity <b>M295</b>								
		Soundness M295	DOT-175 <b>Ga175</b>							
		Density M295								
		Chemical M295								
	Fine Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons	QPL-1 Sources, 1 per				

						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	
CONCINCOTION	IVII CI EI CII CE	Tamo a Namo	Пореле	O/ IIVII EE	710021 1711102	7,000101102	7,000101102	67 WH 21110	TCIVII II II	
		Sand Equivalent <i>GDT-63</i>			Stockpile Basis	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>								
	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
	Physical	Diameter <i>M86</i>								
	Properties	Thickness <i>M86</i>	1							
		External Load Strength T280	OMR-INSP-86 GACERT							
		Absorption M86	OAGERT							
		Permeability	1							
	Welded Steel	Size <i>M55M</i>								
	Wire Fabric for Reinforcement	Diameter <i>M55M</i>								
		Area <b>M55M</b>								
		Tensile Strength <b>T244</b>								
		Yield Strength <b>T244</b>	Welded Wire Test							
		Area Reduction <b>T244</b>	Report Ga166		QPL-55					
		Bend Test <i>M55M</i>	GACERT							
		Weld Shear Strength M55M								
		Width M55M	_							
		Length <i>M55M</i>								
		Spacing <i>M55M</i>								

						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	
670	1									
<b>670</b> WATER	Cast Iron Pipe	Transverse Bend Test <b>ASTM</b>	ı	T	1		1			
DISTRIBUTION SYSTEM		A438								
STSTEIN		Tensile Strength ASTM E8	Misc. Ga164a GACERT		Certified Mill Test Report					
		Dimensions	GACERI		Report					
		Coating								
	Ductile Iron Pipe	Certification	Misc. <b>Ga164a</b> <b>GACERT</b>		Certified Mill Test Report					
	Rubber Gaskets	Tensile Strength ASTM D412								
		Elongation ASTM D412 Hardness ASTM D2240 Tear Strength ASTM D624 Compression Set ASTM D395	1		=					
			trength ASTM D624 ression Set ASTM D395 Misc. GACERT		Certified Mill Test					
				Report						
		Water Absorption <b>ASTM D471</b>								
		Color	1							
	Gate Valves & Fire Hydrants	General Requirements <b>Section 670.02</b>	GACERT		Certified Mill Test					
		Certification			Report					
	Concrete Block			•				<u>.</u>		
	Portland Cement	Air Content <b>T137</b>								
		Fineness <i>M85</i>								
		Autoclave <b>M85</b>	DOT-175 <b>Ga175</b>							
		Compressive Strength M85	DO1-175 Ga175							
		Vicat <b>T131</b>								
	Chemical <i>M85</i>									
	-	Fineness M295								
		Activity <b>M295</b>								
		Soundness <i>M295</i>	DOT-175 <b>Ga175</b>							
		Density M295	]							
		Chemical <b>M295</b>								

						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	
	•					•				
	Fine Aggregate	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material fron 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>	-							
	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material fron 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.				
	Copper Pipe	Dimensions								
		Weight ASTM B88	Ī <u>.</u>							
		Hardness ASTM B88	Misc. Ga164a GACERT		Certified Mill Test Report					
		Tensile Strength ASTM B88	JOAGERT		Troport					
	Galvanized	Chemical <b>ASTM A53</b>								
	Steel Pipe	Yield Strength <b>T244</b>	<del>-</del>		1					
		Tensile Strength <b>T244</b>	7		1					
		Elongation T244	7		-					
		Bending ASTM A53	Misc. <b>Ga164a</b>		Certified Mill Test					
		Flattening <b>ASTM A53</b>	GACERT		Report					
	N	Non-Destructive Electric Test ASTM A53		ACERT R						
		Weight	7		1					
		Diameter			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		<u> </u>		1	1	T			
		Thickness								
		Finish								
		Appearance								
		Galvanization ASTM A123								
	Plastic Pipe	Dimensions ASTM D2239	Minn 0-464-		O a wife and Mail Table					
		Bond ASTM D2239	Misc. Ga164a GACERT		Certified Mill Test Report					
		Certification	O. 10 _ 11 1		. top on					
	Appurtenances	Tensile Strength ASTM B62			Certified Mill Test					
		Yield Strength ASTM B62	Misc. GACERT		Report					
		Elongation ASTM B62			7					
	PVC Pipe	Dimensions ASTM D2241								
		Flattening ASTM D2241	Misc. <b>Ga164a</b>		Certified Mill Test					
		Impact Resistance ASTM D2241	GACERT		Report					
	Butterfly Valves	General Requirements <b>Section</b> 670.02	GACERT							
		Certification								
676				<b>,</b>						
APPURTENANCE	Plumbing		GACERT		Certified Mil	l Test Report				
FOR WATER SYSTEMS	Drinking Fountain & Yard Hydrants	Certification	Misc. <b>GACERT</b>		Approved by the applicable Design Office					
680		<b>!</b>	<u>I</u>			!	<b>!</b>			
HIGHWAY LIGHTING		Taper Section 920			0.71 -0 1					
	Towers	Galvanization ASTM A123			QPL-52, pre-inspected by Central Lab					
		Weld	Misc. <b>GACERT</b>		Personnel & GDT					
		Certification			stamped					
	Luminaries	Certification	Misc. GACERT		Approved Catalog Cuts					
	Circuit Breakers	Certification	Misc. GACERT		Approved Catalog Cuts					
	Electrical Cable	Certification	Misc. GACERT		Approved Catalog Cuts					

						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
	Duct	Certification	Misc. GACERT	Galvanized Rigid: 1 ft sections per diameter PVC: 10 pcs., 1 ft in length	Pre-inspected by Central Lab personnel & GDT stamped				
		Grade <b>M314</b> Yield Strength <b>T244</b>						_	
!		Tensile Strength <b>T244</b>						_	
1		Elongation <b>T244</b>							
!		Reduction of Area T244		1 bolt per diameter,	Pre-inspected by				
		Thread Dimensions	Misc. GACERT	per Heat	Central Lab Personnel			Stock	
!		Size		number, per Project	& GDT stamped				
!		Diameter		i roject					
!		Length							
!		Chemical <i>M314</i>							
!		Galvanization ASTM A153							
	<u>Concrete</u>								
		Compressive Strength <i>GDT-35</i> & <i>T22</i>	DOT-319 <b>T152</b>	2 cylinders	See NOTE 1		Observe set per 750 yd <sup>3</sup>		Cylinders to be broken in Branch or Central Lab
		NOTE 1: One set per each 50 yes shall be fabricated for each cumul placed in another structure.	d <sup>3</sup> of each Class of ulative 50 yd <sup>3</sup> of fra	Concrete pla ction thereof,	ced daily for each struct of Concrete placed per	ture, except for Concre week in each structure	ete used in Bridge Curb. e. Cylinders shall not be	Handrail or Wall Coping. e fabricated at on structure	Two Concrete cylinders to represent Concrete
		Air Content GDT-26 or GDT-32			When cylinders are		Observe 1 set per 750	Placement site	Additional Slump test will
		Slump <i>GDT-27</i>	DOT-168	See NOTE 2	made		yd <sup>3</sup>		be required when Water is added on Project
		Mix Temperature <i>GDT-122</i>	1						
		NOTE 2: Air, Slump & Mix Tempevery third load on bridge deck p	perature tests are a lacement.	all required wh	nen cylinders are made	& as judged necessar	y to insure adequate cor	ntrols. Additional tests are	recommended at least
	Portland Cement	Air Content <b>T137</b>							
1		Fineness <i>M85</i>	DOT-175 <b>Ga175</b>		QPL-3				
		Autoclave <b>M85</b>	1		1				

						GUIDE FREQUENCY				
TYPE		TEST PROCEDURES	REPORT SM	SIZE OF		QUALITY	INDEPENDENT	LOCATION OR TIME OF		
CONSTRUCTION	MATERIAL	Name & <i>Number</i>	Report	SAMPLE	ACCEPTANCE	ASSURANCE	ASSURANCE	SAMPLING	REMARKS	
		Compressive Strength M85	<u> </u>	1	<u> </u>					<del></del>
		Vicat <b>T131</b>	+		-					+
		Chemical <i>M85</i>	+		-					+
-		Fineness <i>M295</i>	+							+
	· ·	Activity <b>M295</b>	+		_					+
		Soundness <b>M295</b>	DOT-175 <b>Ga175</b>		QPL-30					+
		Density <b>M295</b>			Q1 L 50					
		Chemical <b>M295</b>	=		=					
		Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</i>	+		-	QPL-1 Sources, 1 per				
			DOT-658 <b>Ga658</b>		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.				
		Wash 200 <b>T11</b>								
	Aggregate	Gradation <b>727</b>	DOT-658 <b>Ga658</b>		One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis	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.				
		Number M31M								
	Reinforcement		7		1					
				1						
				QPL-12 & QPL-61						
		Height & Gap <i>M31M</i>	Ga166		1					
		Tensile Strength T244	1		1					
		Yield Strength <b>T244</b>	1		1					

						GUIDE FREQUENCY				
TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	ACCEPTANCE	QUALITY ASSURANCE	INDEPENDENT ASSURANCE	LOCATION OR TIME OF SAMPLING	REMARKS	
	Г	le <b></b>	Г	1	T	Т	T	Г		
		Elongation <b>T244</b>								
		Bend Test <b>T285</b>								
		Chemical M31M								
	Paint	Pigment ASTM D2371								
		Non-Volatile Vehicle								
		Grind								
		Viscosity ASTM D562			QPL-46, pre-inspected- by Central Lab					
		Dry Time ASTM D711	Misc. <b>GACERT</b>	sc. <b>GACERT</b> 1 qt.						
		Percent Volatile	l ' IPe	Personnel & GDT stamped						
		Weight per Gallon ASTM D1475		' Persor	stampeu					
		Color								
		Certification								
	Gray Iron	Dimensions As Specified		OP						
	Castings	Tensile Strength M105	Misc. GACERT	sc. <b>GACERT</b> 2 bars	QPL-11 & pre-inspected with GDT or CC stamp					
		Breaking Load <i>M105</i>			Sia	шір				
	Steel Pipe	Chemical ASTM A53								
		Yield Strength <b>T244</b>								
		Tensile Strength T244								
		Elongation <b>T244</b>								
		Bending ASTM A53								
		Flattening ASTM A53	Misc.		1					
		NDE Test ASTM A53	Ga166 GACERT		Certified Mill	Test Report				
		Weight								
		Diameter								
		Thickness								
		Finish								
		Appearance								
	Steel Conduit	Galvanization ASTM A90	Misc. GACERT	1 ft	Pre-inspected & GDT stamped					
682					<u> </u>					
ELECTRICAL CABLE & CONDUIT	Electrical Wire & Cable	Certification	GACERT		Accepted by Approved Catalog Cut					
- JOHDON	Cablo		_		Catalog Out					

						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	
	Steel Conduit	Galvanization ASTM A90	Misc. GACERT	1 ft	Pre-inspected with GDT stamp					
700										
GRASSING	Seed	Purity, Germination & Noxious Weed Content <i>Tested by</i> <i>Agriculture Dept.</i>	GACERT	½ pt Grains: 1 qt.	Acceptance based on analysis tag attached to each bag; 1 sample per Lot if test date more than 9 months old			Enough in advance so that results are known before use		
	Agriculture Lime		GACERT	1 lb.	Pre-inspected	with Department of Agr	l riculture Stamp		See GSP-12	
	Fertilizer		GACERT	1 lb.	•	with Department of Agr				
	Mulch	Moisture Content GDT-41	Misc. GACERT		Acceptance based on Project		, , , , , , , , , , , , , , , , , , ,			
	Asphalt Emulsion	Specification Requirements <i>T59</i>	Ga325	1 qt.	QPL-7 & Visual Inspection			Before application		
	Inoculants		GACERT		Acceptance based on Project Inspection by Engineer*				*Check for evidence of excessive heat	
	Bermuda Sprigs		GACERT		Acceptance based on Project Inspection					
	Sod		GACERT		Acceptance based on Project Inspection					
	Bags for Sod		GACERT		Acceptance based on Project Inspection					
	Plant Topsoil	Organic Content	DOT-408 <b>Ga408</b>			Materials & Research; sed Source				
		Gradation GDT-4								
	Soil	Soil Fertility <i>GDT-77</i>	GACERT	1 qt.	Notify Lab Test Supervisor II				See GSP-18 for sampling frequency	
	Wood Fiber Mulch	Moisture Content <i>GDT-41</i> pH	Misc. GACERT		-QPL-25					
	Tackifiers		Misc. GACERT		QPL-33					
	Other Materials	Certification from Dept. of Agriculture	GACERT							

						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
702				1	T=	ı				
VINE, SHRUB & TREE PLANTING	Vines, Shrubs, Trees		GACERT		Pre-inspected by Department of Agriculture					
	Fertilizer		GACERT	1 lb.		partment of Agriculture amp				
	Agriculture Lime		GACERT	1 lb.		partment of Agriculture				
	Plant Topsoil	Organic Content								
	·	Gradation GDT-4	DOT-408 <b>Ga408</b>							
	Mulch	Moisture Content GDT-41	Misc. GACERT							
	Other Materials	Certification from Dept. of Agriculture	GACERT							
703										
TREE WELLS, TREE	Portland Cemen	Air Content <i>T137</i>								
WALLS & ROOT PROTECTION		Fineness <i>M85</i>								
INOTEONON		Autoclave M85								
		Compressive Strength M85	DOT-175 <b>Ga175</b>							
		Vicat <b>T131</b>								
		Chemical <i>M85</i>								
	Fine Aggregate	Gradation <b>727</b>								
		Sand Equivalent <i>GDT-63</i>	DOT-658 <b>Ga658</b>	20 lb.	One per 500 tons based upon QPL-1,	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.				
	Masonry Stone	Percent Wear T96			One was Desired					
	Soundness T104	DOT 650 0-650	100 lb -	One per Project						
		Appearance	DOT-658 <b>Ga658</b>	100 lbs.	Viewal Incompation			Stock		
	Appearance Dimensions			Visual Inspection			] [			

						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		
		Abrasion <b>T96</b>								
	Clay Pipe	Bearing Strength ASTM C700								
		Absorption ASTM C700								
		Dimensions								
		Glaze <b>ASTM C700</b>	Misc. Ga164a GACERT							
		Blisters ASTM C700	GACLINI							
		Cracks ASTM C700								
		Perforations ASTM C700								
		Fittings ASTM C700								
	Porous Material	Gradation <b>T27</b>								
		Appearance	DOT-658 <b>Ga658</b>							
705					•					
TRANSPLANTING	Plant Topsoil	Organic Content	DOT-408 <b>Ga408</b>							
TREES		Gradation GDT-4								
	Mulch	Moisture Content GDT-41	Misc. GACERT							
	Other Materials	Certification from Department of Agriculture	GACERT							
706										
TURF ESTABLISHMENT	Seed	Purity, Germination & Noxious Weed Content <i>Tested by</i> <i>Agriculture Dept.</i>	GACERT	½ pt Grains: 1 qt.	Acceptance based on analysis tag attached to each bag; 1 sample per Lot if test date more than 9 months old			Enough in advance so that results are known before use		
	Agriculture Lime		GACERT	1 lb.	Pre-inspected	with Department of Ag	riculture Stamp		See GSP-12	
	Fertilizer		GACERT	1 lb.	Pre-inspected	with Department of Ag	riculture Stamp			
	Mulch	Moisture Content GDT-41	GACERT		Acceptance based on Project					
	Asphalt Emulsion	Specification Requirements <b>759</b>	GACERT	1 qt.	QPL-7 & Visual Inspection			Before application		

						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	
	Inoculants		GACERT		Acceptance based on Project Inspection by Engineer*				*Check for evidence of excessive heat	
	Bermuda Sprigs		GACERT		Acceptance based on Project Inspection					
	Sod		GACERT		Acceptance based on Project Inspection					
	Bags for Sod		GACERT		Acceptance based on Project Inspection					
	-	Organic Content Gradation <i>GDT-4</i>	DOT-408 <b>Ga408</b>		Approved by Office of 1 per propo	Materials & Research; sed Source				
	Soil	Soil Fertility <i>GDT-77</i>	GACERT	1 qt.	Notify Lab Test Supervisor II				See GSP-18 for sampling frequency	
	Wood Fiber Mulch	Moisture Content <i>GDT-41</i> pH	GACERT		QPL-25					
	Tackifiers		Misc. GACERT		QPL-33					
	Other Materials	Certification from Department of Agriculture	GACERT							
708										
PLANT TOPSOIL	Plant Topsoil	Organic Content			Approved by Office of					
		Gradation <i>GDT-4</i>	DOT-408 <b>Ga408</b>	30 lbs.	Materials & Research; 1 per proposed Source				Approval prior to use	
710										
PERMANENT SOIL REINFORCEMENT	Preformed Mat	Ultraviolet Stability ASTM D822								
MAT		Thickness								
		Weight			QPL-49					
		Width	Misc. GACERT							
		Tensile Strength ASTM D5034	GACENT							
	Wood Stakes	As Specified			Visual Inspection					
	Grassing	,		1	F				l	

						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	
	Seed	Purity, Germination & Noxious Weed Content <i>Tested by</i> <i>Agriculture Dept</i> .	GACERT	Crown-vetch 1/2 pt. Grains: 1 qt. Others: 1 pt.	Acceptance based on analysis tag attached to each bag; 1 sample per Lot if test date more than 9 months old.			Enough in advance so that results are known before use		
	Agriculture Lime		GACERT	1 lb.	Pre-inspected	with Department of Agr	iculture Stamp		See GSP-12	
	Fertilizer		GACERT	1 lb.	Pre-inspected	with Department of Agr	iculture Stamp			
	Mulch	Moisture Content GDT-41	Misc. GACERT		Acceptance based on Project					
	Asphalt Emulsion	Specification Requirements <b>759</b>	GACERT	1 qt.	QPL-7 & Visual Inspection			Before application		
	Inoculants		GACERT		Acceptance based on Project Inspection by Engineer*				*Check for evidence of excessive heat	
	Bermuda Sprigs		GACERT		Acceptance based on Project Inspection					
	Sod		GACERT		Acceptance based on Project Inspection					
	Bags for Sod		GACERT		Acceptance based on Project Inspection					
	Plant Topsoil	Organic Content Gradation <i>GDT-4</i>	DOT-408 <b>Ga408</b>		Approved by Office of 1 per propo	Materials & Research; osed Source				
	Soil	Soil Fertility <i>GDT-77</i>	GACERT	1 qt.	Notify Lab Test Supervisor II				See GSP-18 for sampling frequency	
	Wood Fiber Mulch	Moisture Content <i>GDT-41</i> pH	Misc. GACERT		-QPL-25					
	Tackifiers		Misc. GACERT		QPL-33					
	Other Materials	Certification from Dept. of Agriculture	GACERT							
	Plastic Filter Fabric - Woven	Tensile Strength ASTM D4632	Misc. GACERT		QPL-28					

						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		<u>r</u>		1				<del></del>
		Bursting Strength ASTM D3786								
					_					
		Elongation ASTM D4632			_					
		Percent Open Area GDT-88								
	Plastic Filter Fabric – Non-Woven	Puncture Resistance <b>ASTM D4833</b>								
	Non-woven	Grab Tensile Strength ASTM D4632	Misc. <b>GACERT</b>		QPL-28					
		Grab Elongation ASTM D4632								
		Flowrate <i>GDT-87</i>			1					+
713										
ORGANIC	Straw Blanket	Width		T						1
MATERIAL FIBER		Weight								
BLANKET		Thickness	Misc. GACERT		QPL-62					+
		Mesh Size								
	Excelsior	Width								+
	Blanket	Weight						-		+
		Thickness	Misc. GACERT		QPL. 62			Stock		
		Mesh Size						1		
	Coconut Fiber	Width								
	Blanket	Weight								
		Thickness	Misc. <b>GACERT</b>		QPL-62					
		Mesh Size								
	Wood Fiber	Width								
	Blanket	Weight	Misc. GACERT		QPL-62					
		Mesh Size								
	Anchoring Staples	As Specified			Acceptance based	on Project Inspection				
714										
JUTE MESH	Jute Mat	Width			Contractor					
EROSION CONTROL		Weight	Misc. <b>GACERT</b>		Certification & Visual			Stock		
		Thread Count			Inspection					

						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	
	Anchoring	As Specified			Assentance based	on Project Inspection				
	Staples	As Specified			Acceptance based	on Project inspection				
715										
BITUMINOUS	Fiber Material			T	QPL-24					
TREATED ROVING		Specification Requirements <b>759</b>	DOT-325M	1 qt.	QPL-7	One per Project		Distributor		
	Emulsion	opeomeanom requiremente 100	GA325M	. 4	<u> </u>	C.1.0 po. 1 10,001				
716										
EROSION CONTROL	Straw Blanket	Width								
MATS		Weight	Misc. GACERT		-QPL-62					
		Thickness	IVIISC. GACER I		-QPL-62					
		Mesh Size								
		Width								
	Blanket	Weight	Mine CACEDT		QPL-62					
		Thickness	Misc. <b>GACERT</b>		-QPL-62					
		Mesh Size								
		Width								
	Blanket	Weight	Misc. GACERT		-QPL-62					
		Thickness	IVIISC. GACER I		TQPL-02					
		Mesh Size								
		Width								
		_	Misc. <b>GACERT</b>		QPL-62					
		Mesh Size								
	Jute Mat	Width			Contractor					
			Misc. <b>GACERT</b>		Certification & Visual			Stock		
		Thread Count			Inspection					
718										
WOOD FIBER		Moisture Content GDT-41	Misc.		QPL-25					
	Mulch	рН	GACERT		Q1 L-20					
819										
FIBER STABILIZING										
ADDITIVES			GACERT		QPL-77					
		Ash Content								

						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	
				_					_	
		рН								
		Oil Absorption								
		Moisture Content								
	Cellulose Pellets		GACERT		QPL-77					
		Asphalt Cement	GAGERI		QI L II					
		Size Analysis								
		Shot Content ASTM C612	GACERT		QPL-77					
		Degredation GDT-124								
833										
JOINT FILLERS & SEALERS	Preformed Joint Filler	M153 or M213	Misc. GACERT	10 in.	QPL-20			Stock	Sample in accordance with SOP-17	
		Penetration GDT-62								
	Sealers	Flow GDT-62			Pre-inspected by			7		
		Resilience GDT-62	Misc. GACERT	8 lb. kit	Central Lab; 1 sample			Stock		
		Bond GDT-62	GACERI		per shipment			7		
		Compatibility GDT-62						7		
		Cone Penetration GDT-15								
	Polymer Type Joint Compound	Solubility <i>GDT-15</i>			Pre-inspected by			7		
	Joint Compound	Resilience GDT-15	Misc. GACERT	1 kit	Central Lab; 1 sample			Stock		
		Flow GDT-15	GACERI		per shipment			7		
		Bond GDT-15								
	Preformed Elastic Joint	Tensile Strength ASTM D412								
	Sealer	Elongation at Break ASTM D412	?							
		Hardness ASTM D2240								
		Oven Aging ASTM D573	1		Pre-inspected by			1		
		Oil Swell <b>ASTM D471</b>	Misc.	36 in.	Central Lab; 1 sample			Stock		
		Ozone Resistance ASTM D1149	GACERT 36 II		per shipment					
		Joint Sealer Recovery GDT-47	1							
		Compression/Deflection GDT-70	<del>)</del>					_		

						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	
	_									
	Water-Blown Urethane Joint Filler	Specification 833.05	Misc. GACERT		Certified Mill Test Report					
	Silicone Sealant	Tensile Stress ASTM 412								
		Hardness ASTM D2240						1		
		Bond <i>GDT-106</i>			7			1		
		Tack Free Time GDT-106						1		
		Extrusion GDT-106	Misc.		QPL-66 or 1 sample			<b> </b>		
		Non-Volatile GDT-106	GACERT		per batch, per Type			Stock		
		Specific Gravity ASTM D792								
		Adhesion <i>GDT-106</i>			-			-		
		Resistance ASTM C793								
		Density ASTM D1622	Misc. GACERT 6 ft C	Pre-inspected by Central Lab & Certified Mill Test						
	Rods	Tensile Strength ASTM D1623					Stock			
		Water Absorption ASTM C1061			Report; 1 sample per shipment					
	Bond Breakers - Tape	Thickness	Misc. GACERT		Certified Mill Test Report					
	Neoprene for Bridge Deck Joint Seal	Specification 833.07	Misc. GACERT		Certified Mill Test Report					
	Ethylene Propylene Diene Monomer for Bridge Deck Joint Seals	Specification 833.08	Misc. GACERT		Certified Mill Test Report					
	Polyurethane	Hardness <b>ASTM D2240</b>								
	Sealant for	Tensile Strength ASTM D412	1		=					
	Inductive Loops	-	Misc.		QPL-75					
		Elongation ASTM D412	O. IJEKI		_					
		Flexibility								

					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	
		Weather Resistance <b>ASTM D822</b>								
	Preformed Foam Joint Filler	Specification 833.10	Misc. GACERT		Certified Mill Test Report					
883										
MINERAL FILLER		Sieve Analysis T11 & T27	GACERT	T	QPL-81					
886			<b>'</b>							
EPOXY RESIN ADHESIVES	Adhesives	Pot Life GDT-58	Misc. GACERT	1 kit	QPL-15 <u>or</u> one sample per batch, per Type			Stock		
		Elongation GDT-58								
		Bond Strength GDT-58								
		Hardness ASTM D2240								
		Sag Test <b>T237</b>								
		Wet Bond Test <b>T237</b>								