

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
700								
GRASSING	Seed	Purity, Germination & Noxious Weed Content Tested by Agriculture Dept.	Certification	Crown-vetch ½ pt Grains: 1 qt. Others: 1 pt.	Acceptance based on analysis tag attached to each bag;	Department of Agriculture and Laboratory will randomly sample.	Enough in advance so that results are known before use	See GSP-13
	Agriculture Lime	Carbonates, magnesium and sieve test. Tested by Agriculture Dept.	Certification	1 qt.	Pre-inspected with Department of Agriculture Stamp Rates will be determined by laboratory results. Contractor is responsible for ensuring the tests are performed by approved lab.			See GSP-12 and GSP-18
	Fertilizer	Test for nitrogen, phosphate, and potash recommended by soil test. Tested by Agriculture Dept.	Certification	1 qt.	Pre-inspected with Department of Agriculture Stamp Rates will be determined by laboratory results. Contractor is responsible for ensuring the tests are performed by approved lab.			See GSP-12 and GSP-18
	Mulch	Moisture Content GDT-41	Certification		Acceptance based on Project Engineer.			
	Asphalt Emulsion	Specification Requirements T59	Certification	2 one gal container	QPL-7 & Visual Inspection		Before application	Use nonmetallic container
	Inoculants		Certification		Acceptance based on Project Inspection by Engineer*			*Check for evidence of excessive heat
	Bermuda Sprigs		Certification		Acceptance based on Project Inspection			
	Sod		Certification		Acceptance based on Project Inspection			
	Bags for Sod		Certification		Acceptance based on Project Inspection			
	Plant Topsoil	Organic Content		30 lbs	Approved by Office of Materials & Testing; 1 per proposed Source			
		Gradation GDT-4						
	Soil	Soil Fertility GDT-77	Certification	1 pt.	Rates will be determined by laboratory results. Contractor is responsible for ensuring the tests are performed by approved lab.			See GSP-18 for sampling frequency
		Moisture Content GDT-41	Certification		QPL-25			

	Wood Fiber Mulch	pH					
	Tackifiers		Certification		QPL-33		
	Other Materials	Certification from Dept. of Agriculture	Certification				

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VINE, SHRUB & TREE PLANTING	Vines, Shrubs, Trees		Certification		Pre-inspected by Department of Agriculture		
	Fertilizer		Certification	1 qt.	Pre-inspected with Department of Agriculture Stamp Rates will be determined by laboratory results. Contractor is responsible for ensuring the tests are performed by approved lab.		See GSP-12 and GSP-18

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	Agriculture Lime		Certification	1 qt.	Pre-inspected with Department of Agriculture Stamp Rates will be determined by laboratory results. Contractor is responsible for ensuring the tests are performed by approved lab.			See GSP-12 and GSP-18
	Plant Topsoil	Organic Content		30 lbs	Approved by Office of Materials & Testing; 1 per proposed Source			Approve prior to use
		Gradation GDT-4						
	Mulch	Moisture Content GDT-41	Certification		Acceptance based on Project Engineer.			
	Other Materials	Certification from Dept. of Agriculture	Certification		Acceptance based on Project Engineer.			

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TREE WELLS, TREE WALLS & ROOT PROTECTION	Portland Cement	Air Content T137	DOT-175					
		Fineness M85						
		Autoclave M85						
		Compressive Strength M85						
		Vicat T131						
		Chemical M85						
	Fine Aggregate	Gradation T27	DOT-658	20 lb.				

	Sand Equivalent GDT-63			One per month, per active plant.			
Masonry Stone	Percent Wear T96	DOT-658	100 lbs.	One per Project	Stock		
	Soundness T104						
	Appearance			Visual Inspection			
	Dimensions						
	Abrasion T96						
Clay Pipe	Bearing Strength ASTM C700	Misc. DOT-164A Certification					
	Absorption ASTM C700						
	Dimensions						
	Glaze ASTM C700						
	Blisters ASTM C700						
	Cracks ASTM C700						
	Perforations ASTM C700						
Fittings ASTM C700							
Porous	Gradation T27	DOT-658					

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					ACCEPTANCE	QUALITY ASSURANCE		
	Material	Appearance						
705								
TRANSPLANTING TREES	Plant Topsoil	Organic Content		30lbs	Approved by Office of Materials & Testing; 1 per proposed Source			Approve prior to use
		Gradation GDT-4						
	Mulch	Moisture Content GDT-41	Certification	Acceptance based on Project Engineer				
	Other Materials	Certification from Department of Agriculture	Certification		Acceptance based on Project Engineer.			
706								

TURF ESTABLISHMENT

Seed	Purity, Germination & Noxious Weed Content Tested by Agriculture Dept.	Certification	Crown-vetch ½ pt Grains: 1 qt. Others: 1 pt.	Acceptance based on analysis tag attached to each bag	Department of Agriculture and Laboratory will randomly sample.	Enough in advance so that results are known before use	See GSP-13
Agriculture Lime		Certification	1 qt.	Pre-inspected with Department of Agriculture Stamp Rates will be determined by laboratory results. Contractor is responsible for ensuring the tests are performed by approved lab.			See GSP-12 and GSP-18
Fertilizer		Certification	1 qt.	Pre-inspected with Department of Agriculture Stamp Rates will be determined by laboratory results. Contractor is responsible for ensuring the tests are performed by approved lab.			See GSP-12 and GSP-18
Mulch	Moisture Content GDT-41	Certification		Acceptance based on Project Engineer			
Asphalt Emulsion	Specification Requirements T59	Certification	2 one gallon container	QPL-7 & Visual Inspection		Before application	Use nonmetallic container
Inoculants		Certification		Acceptance based on Project Inspection by Engineer*			*Check for evidence of excessive heat
Bermuda Sprigs		Certification		Acceptance based on Project Inspection			
Sod		Certification		Acceptance based on Project Inspection			
Bags for Sod		Certification		Acceptance based on Project Inspection			
Plant Topsoil	Organic Content	Certification	30lbs	Approved by Office of Materials & Research; 1 per proposed Source			
	Gradation GDT-4						
Soil	Soil Fertility GDT-77	Certification	1 pt.	Rates will be determined by laboratory results. Contractor is responsible for ensuring the tests are performed by approved lab.			See GSP-18 for sampling frequency
Wood Fiber Mulch	Moisture Content GDT-41	Certification		QPL-25			
	pH						
Tackifiers		Certification		QPL-33			

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	Other Materials	Certification from Department of Agriculture	Certification		Acceptance based on Project Engineer			
708								
PLANT TOPSOIL	Plant Topsoil	Organic Content		30 lbs.	Approved by Office of Materials & Testing; 1 per proposed Source			Approval prior to use
		Gradation GDT-4						
710								
PERMANENT SOIL REINFORCEMENT MAT	Preformed Mat	Ultraviolet Stability ASTM D822	Certification		QPL-49			
		Thickness						
		Weight						
		Width						
		Tensile Strength ASTM D5034						
	Wood Stakes	As Specified			Visual Inspection			
	Seed	Purity, Germination & Noxious Weed Content Tested by Agriculture Dept.	Certification	Crown-vetch ½ pt Grains: 1 qt. Others: 1 pt.	Acceptance based on analysis tag attached to each bag	Department of Agriculture and Laboratory will randomly sample.	Enough in advance so that results are known before use	See GSP-13
	Agriculture Lime		Certification	1 qt.	Pre-inspected with Department of Agriculture Stamp Rates will be determined by laboratory results. Contractor is responsible for ensuring the tests are performed by approved lab.			See GSP-12 and GSP-18
	Fertilizer		Certification	1 qt.	Pre-inspected with Department of Agriculture Stamp Rates will be determined by laboratory results. Contractor is responsible for ensuring the tests are performed by approved lab.			See GSP-12 and GSP-18
	Mulch	Moisture Content GDT-41	Certification		Acceptance based on Project Engineer			
	Asphalt Emulsion	Specification Requirements T59	Certification	2 one gallon container	QPL-7 & Visual Inspection		Before application	Use nonmetallic container
	Inoculants		Certification		Acceptance based on Project Inspection by Engineer*			*Check for evidence of excessive heat
Bermuda Sprigs		Certification		Acceptance based on Project Inspection				
Sod		Certification		Acceptance based on Project Inspection				
Bags for Sod		Certification		Acceptance based on Project Inspection				

Plant Topsoil	Organic Content		30lbs	Approved by Office of Materials & Testing; 1 per proposed Source		Approval prior to use
	Gradation GDT-4					

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	Soil	Soil Fertility GDT-77	Certification	1 pt.	Rates will be determined by laboratory results. Contractor is responsible for ensuring the tests are performed by approved lab			See GSP-18 for sampling frequency
	Wood Fiber Mulch	Moisture Content GDT-41 pH	Certification		QPL-25			
	Tackifiers		Certification		QPL-33			
	Other Materials	Certification from Dept. of Agriculture	Certification		Acceptance based on Project Engineer			
	Plastic Filter Fabric - Woven	Tensile Strength ASTM D4632	Certification		QPL-28			
		Bursting Strength ASTM D3786						
		Elongation ASTM D4632						
		Percent Open Area GDT-88						
	Plastic Filter Fabric – Non-Woven	Puncture Resistance ASTM D4833	Certification		QPL-28			
		Grab Tensile Strength ASTM D4632						
		Grab Elongation ASTM D4632						
		Flowrate GDT-87						
713								
ORGANIC MATERIAL FIBER BLANKET	Straw Blanket	Width	Certification		QPL-62			
		Weight						
		Thickness						
		Mesh Size						
	Excelsior Blanket	Width	Certification		QPL. 62		Stock	
		Weight						
		Thickness						

	Coconut Fiber Blanket	Mesh Size	Certification		QPL-62			
		Width						
		Weight						
		Thickness						
	Wood Fiber Blanket	Mesh Size	Certification		QPL-62			
		Width						
		Weight						
Anchoring Staples	As Specified				Acceptance based on Project Inspection			

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TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & Number	REPORT SM Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
JUTE MESH EROSION CONTROL	Jute Mat	Width	Certification		Contractor Certification & Visual Inspection		Stock	
		Weight						
		Thread Count						
	Anchoring Staples	As Specified			Acceptance based on Project Inspection			

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BITUMINOUS TREATED ROVING	Fiber Material				QPL-24			
	Asphalt Emulsion	Specification Requirements T59	DOT-325M	1 gal plastic	QPL-7	One per Project	Distributor	

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EROSION CONTROL MATS	Straw Blanket	Width	Certification		QPL-62			
		Weight						
		Thickness						
		Mesh Size						
	Excelsior Blanket	Width	Certification		QPL-62			
		Weight						
		Thickness						
		Mesh Size						
	Coconut Fiber Blanket	Width	Certification		QPL-62			
		Weight						
		Thickness						

Wood Fiber Blanket	Mesh Size	Certification		QPL-62			
	Width						
	Weight						
Jute Mat	Mesh Size	Certification		Contractor Certification & Visual Inspection	Stock		
	Width						
	Weight						
	Thread Count						

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WOOD FIBER	Wood Fiber Mulch	Moisture Content GDT-41	Certification		QPL-25		
		pH					

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FIBER STABILIZING ADDITIVES	Cellulose Fibers	Fiber Length	Certification		QPL-77		
		Sieve Analysis					
		Ash Content					
		pH					
		Oil Absorption					
		Degradation GDT-124					

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	Mineral Fibers	Drain Down Charact. GDT 127	Certification		QPL-77			
		Moisture Content						
		Size Analysis						
		Shot Content ASTM C612, GDT-130						
		Wet Elutriation						
		Drain Down Charact. GDT 127						
Degradation GDT-124								

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JOINT FILLERS & SEALERS	Preformed Joint Filler	M153 or M213	Certification		QPL-20		
	Hot Pour Joint Sealers	Penetration GDT-62	Certification	8 lb. kit	Pre-inspected by Central Lab; 1 sample per shipment	Stock	
Flow GDT-62							
Resilience GDT-62							
Bond GDT-62							
	Compatibility GDT-62						

Elastomeric Polymer Type Joint Compound	Cone Penetration GDT-15	Certification	1 kit	Pre-inspected by Central Lab; 1 sample per shipment		Stock	
	Solubility GDT-15						
	Resilience GDT-15						
	Flow GDT-15						
	Bond GDT-15						
Preformed Elastic Joint Sealer	Tensile Strength ASTM D412	Certification	36 in.	Pre-inspected by Central Lab; 1 sample per shipment		Stock	
	Elongation at Break ASTM D412						
	Hardness ASTM D2240						
	Oven Aging ASTM D573						
	Oil Swell ASTM D471						
	Ozone Resistance ASTM D1149						
	Joint Sealer Recovery GDT-47						
Compression/Deflection GDT70							
Water-Blown Urethane Joint Filler	Specification 833.05	Certification		Certified Mill Test Report			
Silicone Sealant	Tensile Stress ASTM 412	Certification		QPL-66 or 1 sample per batch, per Type		Stock	
	Hardness ASTM D2240						
	Bond GDT-106						

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					ACCEPTANCE	QUALITY ASSURANCE		
		Tack Free Time GDT-106						
		Extrusion GDT-106						
		Non-Volatile GDT-106						
		Specific Gravity ASTM D792						
		Adhesion GDT-106						
		Resistance ASTM C793						
	Bond Breakers - Rods	Density ASTM D1622	Certification	6 ft	Pre-inspected by Central Lab & Certified Mill Test		Stock	
		Tensile Strength ASTM D1623						

		Water Absorption ASTM C1061			Report; 1 sample per shipment			
Bond Breakers - Tape		Thickness	Certification		Certified Mill Test Report			
Neoprene for Bridge Deck Joint Seal		Specification 833.07	Certification		Certified Mill Test Report			
Ethylene Propylene Diene Monomer for Bridge Deck Joint Seals		Specification 833.08	Certification		Certified Mill Test Report			
Polyurethane Sealant for Inductive Loops		Hardness ASTM D2240	Certification		QPL-75			
		Tensile Strength ASTM D412						
		Elongation ASTM D412						
		Flexibility						
		Weather Resistance ASTM D822						
Preformed Foam Joint Filler		Specification 833.2.10	Certification		QPL-20			

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MINERAL FILLER		Sieve Analysis T11, T27 & GDT 22	Certification		QPL-81			
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EPOXY RESIN ADHESIVES	Epoxy Adhesives	Pot Life GDT-58	Certification	1 kit	QPL-15 or one sample per batch, per Type	Stock		
		Elongation GDT-58						
		Bond Strength GDT-58						

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					ACCEPTANCE	QUALITY ASSURANCE	LOCATION OR TIME OF SAMPLING	
		Hardness ASTM D2240						
		Sag Test T237						
		Wet Bond Test T237						

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