

## REVISIONS TO MATERIALS SAMPLING GUIDE July 1, 2015 Edition

Section 9, Grading	
Page 9-1, Material 1) Embankment (Cohesive and Granular), Moisture Deflection/Moisture Density	
	Type of Test
	Removed – Moisture Density
	Added – Moisture Deflection/Moisture Density
	Field Personnel
	Added – deflection or moisture
	Branch Lab Personnel
	Added – Index tests and/or
	Added – 10 pounds for index tests and
	Central Lab Personnel
	Added – Index tests and/or
	Added – 10 pounds for index tests and
Page 9-2, Material 1) Embankment (Cohesive and Granular), cont., Gradation (If Specified)	
	Moved – requirements moved to page 9-2
Section 10, Compaction – Subgrade (Cohesive Soils)	
Page 10-1, Material 1) Subgrade Compaction and Subgrade Reconstruction, Moisture Deflection/Moisture Density	
	Type of Test
	Removed – Moisture Density
	Added – Moisture Deflection/Moisture Density
	Field Personnel
	Added – moisture deflection or
	Removed – moisture density
	Removed – represented
	Added – tested. For widening
	Removed – Moisture density
	Removed – of the subgrade for concrete base course widening and every
	Added – For each shoulder test
	Removed – for each shoulder
	Removed – Moisture density
	Branch Lab Personnel
	Added – Index tests and/or
	Added – 10 pounds for index tests and
	Central Lab Personnel

			Added – Index tests and/or
			Added – 10 pounds for index tests and
Section 11, Compaction – Stabilized Portion of Granular Subgrade			
Page 11-1, Material 1) Stabilized Portion of Granular Subgrade, Moisture Deflection/Moisture Density			
		Type of Test	
			Removed – Moisture Density
			Added – Moisture Deflection/Moisture Density
		Field Personnel	
			Added – moisture deflection and
			Removed – moisture density
		Branch Lab Personnel	
			Added – index and/or
		Central Lab Personnel	
			Added – index and/or
Section 12, Foundation Course (Crushed Concrete, Aggregate-D, and Bituminous)			
Page 12-3, Material 6) Foundation Course - Moisture Deflection/Moisture Density			
		Type of Test	
			Removed – Moisture Density
			Added – Moisture Deflection/Moisture Density
		Field Personnel	
			Added – moisture deflection or moisture
			Removed – moisture density
			Added – For widening
			Removed – In place density
			Removed – for concrete base course widening
Section 13, Granular Base, Granular Fill, Granular Backfill, Sand Blanket and MSE Walls			
Page 13-4, Material 6) Granular Base, Granular Fill, Granular Backfill and Sand Blanket, Moisture Deflection/Moisture Density			
		Type of Test	
			Removed – Moisture Density
			Added – Moisture Deflection/Moisture Density
		Field Personnel	
			Added – moisture deflection or
			Added – or for every one foot of thickness, whichever is greater.
			Removed – or fraction thereof
			Removed – moisture density

			Removed – density
			Added – Index or
			Removed – as in cases of some pit run materials.
		Branch Lab Personnel	
			Added – 60-pound
			Added – index and compaction curve tests
			Removed – data
		Central Lab Personnel	
			Added – index and compaction curve tests
			Removed – data
Page 13-6, Material 7) Stabilized Portion of Granular Base, Granular Fill, Granular Backfill and Sand Blanket, Moisture Deflection/Moisture Density			
		Type of Test	
			Removed – Moisture Density
			Added – Moisture Deflection/Moisture Density
		Field Personnel	
			Added – moisture deflection or
			Removed – moisture density
Page 13-7, Material 8) Granular Backfill for Structures, Moisture Deflection/Moisture Density			
		Type of Test	
			Removed – Moisture Density
			Added – Moisture Deflection/Moisture Density
		Field Personnel	
			Added – moisture deflection or moisture density test for every foot of backfill placed.
			Removed – each lift of aggregate
			Removed – moisture density
		Central Lab Personnel	
			Added – index and compaction curve tests
			Removed – data
Page 13-9, Material 11) Select and Random Granular Backfill for MSE Walls			
		Type of Test	
			Added – Moisture Deflection/Moisture Density
		QC Sampling and Testing By Contractor	
			Added – -----
		Field Personnel	
			Added – In place moisture deflection or moisture density test for every foot of backfill placed. In case of short sections test to confirm compliance with specifications. Project personnel will supply the 60-pound sample needed to perform the testing shown under the Central Lab column. The sample shall be taken on the project.

		Branch Lab Personnel
		Added – -----
		Central Lab Personnel
		Added – One 60-pound sample for index and compaction curve tests.
		Location of Additional Information
		Added – -----
Section 15, Portland Cement Concrete for Pavement, Base Course, Pavement Patching		
		Page 15-5, Material 23) Calcium Chloride (Removed 7/1/2015)
		Removed – Material requirements from Materials Sampling Guide
		Page 15-5, Material 24) Concrete Sealers
		Item or Group
		Added – Material 24) Concrete Sealers
		Sample Required (Tests to be made at Central Laboratory)
		Added – -----
		Approved Products List
		Added – Yes
		Manufacturer Certified Tests Required
		Added – No
		Manufacturer Certification of Compliance Required
		Added – No
		Location of Additional Information
		Added – -----
Section 16, Portland Cement Concrete for Structures, Culverts and Miscellaneous Construction		
		Page 16-5, Material 16) Concrete Sealers
		Item or Group
		Added – Material 16) Concrete Sealers
		Sample Required (Tests to be made at Central Laboratory)
		Added – -----
		Approved Products List
		Added – Yes
		Manufacturer Certified Tests Required
		Added – No
		Manufacturer Certification of Compliance Required
		Added – No
		Location of Additional Information
		Added – -----

Section 23, Traffic Control			
Page 23-2, Material 12) Permanent Pavement Marking, Type Paint			
Sample Required (Tests to be made at Central Laboratory)			
			Removed – Yes, A minimum of one quart sample of each color when the color's pay quantity exceeds 5,000 linear feet.
			Added – No
Page 23-2, Material 13) Glass Beads for Permanent Pavement Marking, Type Paint			
Sample Required (Tests to be made at Central Laboratory)			
			Removed – Yes, A minimum of one quart sample of each color when the color's pay quantity exceeds 5,000 linear feet.
			Added – No
Page 23-2, Material 14) Temporary Pavement Marking Tape, Temporary Pavement Marking, Removable Wet Reflective Tape			
Item or Group			
			Added – Material 14) Temporary Pavement Marking Tape, Temporary Pavement Marking, Removable Wet Reflective Tape
Sample Required (Tests to be made at Central Laboratory)			
			Added – No
Approved Products List			
			Added – Yes
Manufacturer Certified Tests Required			
			Added – No
Manufacturer Certification of Compliance Required			
			Added – No
Location of Additional Information			
			Added – -----
Page 23-2, Material 15) Temporary Pavement Marking Tape, Removable Black Tape			
Item or Group			
			Added – Material 15) Temporary Pavement Marking Tape, Removable Black Tape
Sample Required (Tests to be made at Central Laboratory)			
			Added – No
Approved Products List			
			Added – Yes
Manufacturer Certified Tests Required			
			Added – No
Manufacturer Certification of Compliance Required			
			Added – No
Location of Additional Information			
			Added – -----

Section 25, Miscellaneous Materials			
Page 25-2, Material 19) High Friction Surface Treatment, A) Polymer Binder Resin			
Sample Required (Tests to be made at Central Laboratory)			
Added – One 16-oz sample for each component			
Removed – of lot used on project			
Section 27, Notes			
Page 27-9, Note 27, High Friction Surface Treatment			
Added – documentation			
Added – Materials and Research Division will perform qualitative testing on epoxy material provided by field personnel.			
Section 28, Quality Assurance Program for Construction Materials, Table A1, Test Methods for Qualification of Sampling and Testing Personnel			
Page 28-A-9, Soils, Earthwork Technician 1			
Technicians are Certified Proficient in:			
Added – NDR T 2835, Deflection Measurement of Soils Using a Lightweight Deflectometer (LWD)			
Page 28-A-12, Provisional, Soil/Aggregate Technician Provisional Certification			
Technicians are Certified Proficient in:			
Added – NDR T 2835, Deflection Measurement of Soils Using a Lightweight Deflectometer (LWD)			