

REVISIONS TO MATERIALS SAMPLING GUIDE July 1, 2022 Edition

Section 3 – Asphaltic Concrete	
3) Asphaltic Concrete Types LC, SLX, SRM, Page 3-1	
Material	Removed: RLC
8) Recycled Asphalt Shingles, Page 3-3	
Material	Removed: 8) Recycled Asphalt Shingles
Type of Test	Removed: Type of Test
QC Sampling and Testing by Contractor	Removed: QC Sampling and Testing by Contractor
Verification Sampling and Testing by NDOT	Removed: Verification Sampling and Testing by NDOT
Location of Additional Information	Removed: Location of Additional Information
Section 12 – Foundation Course (Crushed Concrete, Bituminous, Aggregate-D)	
1) Foundation Course – Moisture Deflection/Moisture Density, Page 12-1	
Material	Removed: 1) Foundation Course – Moisture Deflection/Moisture Density
Type of Test	Removed: Type of Test
QC Sampling and Testing by Contractor	Removed: QC Sampling and Testing by Contractor
Verification Sampling and Testing by NDOT	Removed: Verification Sampling and Testing by NDOT
Location of Additional Information	Removed: Location of Additional Information
1) Crushed Concrete Foundation Course, Page 12-2	
Material: Crushed Concrete Foundation Course	Removed: 2
	Added: 1
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 tests every 1,500 square yards or fraction thereof, or in case of short sections, test to confirm compliance with the specifications. For widening, test every 1,500 square yards or fraction thereof, per side. If tested layer is disturbed by construction operations, rain, etc., re-tests shall be taken to assure compliance with the specifications.: Verification Sampling and Testing by NDOT
		Branch Lab	
			Added: -----
		Central Lab	
			Added: -----
		Location of Additional Information	
			Added: Section 27, Note 28
	2) Bituminous Foundation Course, Page 12-2		
		Material: Bituminous Foundation Course	
			Removed: 3
			Added: 2
		Type of Test	
			Added: Bituminous Foundation Course
		QC Sampling and Testing by Contractor	
			Added: -----
		Field Personnel	
			Added: In-place moisture deflection or moisture density tests every 1,500 square yards or fraction thereof, or in case of short sections, test to confirm compliance with the specifications. For widening, test every 1,500 square yards or fraction thereof, per side. If tested layer is disturbed by construction operations, rain, etc., re-tests shall be taken to assure compliance with the specifications.
		Branch Lab	
			Added: -----
		Central Lab	
			Added: -----
		Location of Additional Information	
			Added: Section 27, Note 28
	3) Aggregate Foundation Course – D, Page 12-3		
		Material: Aggregate Foundation Course – D	
			Removed: 4

			Added: 3
		Type of Test	
			Added: Aggregate Foundation Course – D
		QC Sampling and Testing by Contractor	
			Added: -----
		Field Personnel	
			Added: In-place moisture deflection or moisture density tests every 1,500 square yards or fraction thereof, or in case of short sections, test to confirm compliance with the specifications. For widening, test every 1,500 square yards or fraction thereof, per side. If tested layer is disturbed by construction operations, rain, etc., re-tests shall be taken to assure compliance with the specifications.
		Branch Lab	
			Added: -----
Section 23 – Traffic Control			
	12) Permanent Pavement Marking, Type Paint, Page 23-2		
		Sample Required	
			Removed: a minimum of one 1-quart sample for each color
			Added: If the batch/lot is from tested and approved stock, a 1-quart sample is required and will be sampled from the truck If the batch/lot is not from tested and approved stock, a 1-quart sample is required and will be sampled from a tote on the project
		Location of Additional Information	
			Removed: -----
			Added: Section 27, Note 29
	13) Glass Beads for Permanent Pavement Marking Type Paint		
		Sample Required	
			Removed: a minimum of one 1-quart sample
			Added: a 1-quart sample or one 50-pound bag is required on the project, unless shipped from tested and approved stock
		Location of Additional Information	
			Removed: -----
			Added: Section 27, Note 29
Section 27 – Notes			
	Note 29 – Permanent Pavement Marking – Paint and Beads, Page 27-8		
			Added: Note 29 – Permanent Pavement Marking – Paint and Beads

			<p>Added:</p> <p>This material is pretested by the Materials & Research Division Central Laboratory with samples sourced from contractor stock. A representative of NDOT will be present for sampling and take custody of the samples to deliver to the central laboratory.</p> <p>Upon completion of satisfactory testing, traffic paint is approved for one year from the date of manufacture; glass beads are approved for two years from the date of manufacture. Approved batch/lot numbers can be found on the Department of Transportation Materials & Research Division website.</p> <p>ASTM D8008, Section 6.3. defines how paint samples will be sourced from the truck.</p> <p>ASTM D8008, Section 6.2.5.3 defines how paint samples will be sourced from a tote.</p> <p>AASHTO T346 allows for beads sampled from bulk containers. If beads are in 50-lb bags, one full bag shall be submitted to the central laboratory. A video demonstration is available at https://vimeo.com/showcase/10165/video/418893025</p>
Section 28 – Quality Assurance Program for Construction Materials			
Table A1, Test Methods for Qualification of Sampling and Testing Personnel, Page 28-A-7			
		Portland Cement Concrete Paving Inspection	
			Removed: FHWA-NHI-131122
			Removed: FHWA-NHI
			Added: Transportation Curriculum Coordination Council (T3)
		Course Title	
			Removed: Portland Cement Concrete
			Added: PCC
		Training Coordinated By	
			Removed: C
Appendix B, Laboratory/Equipment Qualification Program, Page 28-B-2			
		B4.25, Equipment Qualification and Responsibility for Qualification	
			Added: lightweight deflectometers
Appendix G, FHWA Letter of Approval for the Materials Sampling Guide and Quality Assurance Program for Construction, Page 28-G-1			
			Removed: 2021 Approval Letter
			Added: 2022 Approval Letter