

REVISIONS TO MATERIALS SAMPLING GUIDE July 1, 2014 Edition

Section 2, Asphaltic Materials		
Page 2-1, Material 1) Asphaltic Oils		
	Field Personnel	
		Removed – one
		Added – two
Page 2-3, Material 3) Performance Graded Binder		
	Field Personnel	
		Removed – two one-
		Added – one two-
Section 15, Portland Cement Concrete for Pavement, Base Course, Pavement Patching		
Page 15-1, Material 1) Class E and F Aggregates		
	QC Sampling and Testing by Contractor	
		Added – For ready mix plants in the Omaha area,
		Removed – not per project
Page 15-1, Material 2) Class A, B, and C Aggregates		
	QC Sampling and Testing by Contractor	
		Added – For ready mix plants in the Omaha area,
		Removed – not per project
		Removed -- 60
		Added – 30
Page 15-1, Material 3) Class R Aggregate		
	QC Sampling and Testing by Contractor	
		Added – For ready mix plants in the Omaha area,
		Removed – not per project
		Added – (when applicable, 60-pound ledge rock and 30-pound sand and gravel sample is required.)
Page 15-6, Material 22) Concrete Chemical Admixtures		
	Approved Products List	
		Removed – Yes
		Added – No

Section 16, Portland Cement Concrete for Structures, Culverts and Miscellaneous Construction		
Page 16-1, Material 1) Class E and F Aggregates		
	Material	
		Added – Aggregates
	QC Sampling and Testing by Contractor	
		Added – For ready mix plants in the Omaha area,
		Removed – not per project
Page 16-1, Material 2) Class A, B, and C Aggregates		
	Material	
		Added – Aggregates
	QC Sampling and Testing by Contractor	
		Added – For ready mix plants in the Omaha area,
		Removed – not per project
		Removed – 60
		Added – 30
Page 16-1, Material 3) Class R Aggregate		
	QC Sampling and Testing by Contractor	
		Added – For ready mix plants in the Omaha area,
		Removed – not per project
		Added – (when applicable, 60-pound ledge rock and 30-pound sand and gravel sample is required.)
Page 16-3, Material 10) Concrete Test Cylinders		
	Field Personnel	
		Removed – One set of four 4x8 cylinders for any placement up to 100 yards. A second set of four 4x8 cylinders are required if the days placement of concrete exceeds 100 cubic yards. Cylinders will be tested in the branch laboratory or the central laboratory.
		Added – One set of four 4x8 cylinders for any placement up to 100 cubic yards. For pours over 100 cubic yards, three sets of four 4x8 cylinders are required representative of each 1/3 day's production. Cylinders will be tested in the branch laboratory or the central laboratory.
Page 16-4, Material 11) Shotcrete, Mortar Cubes		
	Material	
		Added – Shotcrete, Mortar Cubes

	Type of Test	
		Added – Compressive Strength
	Q.C. Sampling and Testing	
		Added – -----
	Field Personnel	
		Added – Two sets of three 2-inch cubes shall be made for every day's production. Cubes will be tested in the branch or central laboratory.
	Branch Lab	
		Added – Cubes will be tested in the branch or central laboratory.
	Central Lab	
		Added – Cubes will be tested in the branch or central laboratory.
	Location of Additional Information	
		Added – Section 27, Note 6
	Page 16-5, Material 15) Concrete Admixtures	
	Approved Products List	
		Removed – Yes
		Added – No
Section 18, Fence, Handrail, and Barrier Rail Material		
	Page 18-1, Material 3) Right of Way	
	Item or Group	
		Added – 3) Right of Way
	Sample Required	
		Added – Yes – One sample 4 ft long from one of each 50 spools
	Approved Products List	
		Added – No
	Manufacturer Certified Tests Required	
		Added – No
	Manufacturer Certification of Compliance Required	
		Added – No
	Location of Additional Information	
		Added – Section 27, Note 1
	Page 18-1, Material 4) Woven Wire	
	Item or Group	
		Added – 4) Woven Wire

	Sample Required
	Added – Yes – One sample 4 ft long from one of each 50 spools
	Approved Products List
	Added – No
	Manufacturer Certified Tests Required
	Added – No
	Manufacturer Certification of Compliance Required
	Added – No
	Location of Additional Information
	Added – Section 27, Note 1
Page 18-1, Material 5) Handrail and Barrier Rail	
	Item or Group
	Added – 5) Handrail and Barrier Rail
	Sample Required
	Added – Yes – one full section sample from each size. Samples will be returned.
	Approved Products List
	Added – No
	Manufacturer Certified Tests Required
	Added – No
	Manufacturer Certification of Compliance Required
	Added – No
	Location of Additional Information
	Added – Section 27, Note 1
Page 18-1, Material 6) Welded Wire Fabric	
	Item or Group
	Added – 6) Welded Wire Fabric
	Sample Required
	Added – Yes – One sample 4 ft long from one of each 50 spools
	Approved Products List
	Added – No
	Manufacturer Certified Tests Required
	Added – No
	Manufacturer Certification of Compliance Required
	Added – No
	Location of Additional Information

			Added – Section 27, Note 1
	Page 18-1, Material 10) Woven Wire		
		Item or Group	
			Removed – Woven Wire
		Sample Required	
			Removed – Yes – One sample 3 ft long from one of each 50 rolls
		Approved Products List	
			Removed – No
		Manufacturer Certified Tests Required	
			Removed – No
		Manufacturer Certification of Compliance Required	
			Removed – No
		Location of Additional Information	
			Removed – Section 27, Note 1
Section 23, Traffic Control			
	Page 23-2, Material 12) Permanent Pavement Marking, Paint		
		Sample Required	
			Removed – No
			Added – A minimum of one-quart sample of each color when the color's pay quantity exceeds 5,000 linear feet.
	Page 23-2, Material 13) Permanent Pavement Marking, Glass Beads		
		Sample Required	
			Removed – No
			Added – Yes – A minimum of one-quart sample when the total striping quantity is greater than 5,000 linear feet.
Section 27, Notes			
	Page 27-4, Note 6, Portland Cement Concrete		
		Concrete Cylinder Size	
			Added – For bridge decks, a 28-day compressive strength is required.
			Added – Shotcrete, Mortar Cubes: Two-inch cube molds must be used on all projects. Two sets of three 2-inch cubes will be made daily in the field. Three cubes will be tested and averaged for the final design compressive strength at 28 days.
	Page 27-4, Note 7, Concrete Chemical Admixtures		

			Removed -- Concrete Chemical admixtures are on the Approved Products List. This list can be viewed on the Materials and Research Division website. A sample must be entered in SiteManager to report the type and brand of admixture(s) that was used.
			Added – All types and brands of admixtures are to be recorded on the PCC Proportioning Report template.
Section 28, Quality Assurance Program for Construction Materials			
Page 28-A-11, Test Methods for Qualification of Sampling and Testing Personnel			
		Asphaltic Field Technicians, PG Binder/Emulsion Sample Technician	
			Remove – NDR
			Added – AASHTO
			Removed – Prerequisite: Safety/Hazardous Materials
		Asphaltic Field Technicians, PG Binder/Emulsion Sample Technician, Technicians are Certified Proficient	
			Remove – NDR
			Added – AASHTO
		Asphaltic Field Technicians, Asphaltic Field Technician I, Certification	
			Added -- Completion of Asphaltic Field Technician I also satisfies certification requirements for PG Binder/Emulsion Sample Technician.
			Added – AASHTO T 40, Bituminous Materials Sampling