

REVISIONS TO MATERIALS SAMPLING GUIDE January 1, 2013 Edition

Section 6, Gravel and Crushed Rock for Surfacing	
Page 6-1, Material 2) Crushed Rock for Surfacing	
Location for Additional Information	
	Removed – Note 5
Section 15, Portland Cement Concrete for Pavement, Base Course, Pavement Patching	
Page 15-1, Material 1) Coarse Aggregates	
Field Personnel	
	Removed – (the recommended sample size is 50 pounds)
Central Lab	
	Added – for
Location for Additional Information	
	Removed – Note 5
Page 15-1, Material 2) Fine Aggregate Sand Gravel	
Field Personnel	
	Removed – 1,5
	Added – 2,0
Central Lab	
	Added – for the
	Removed – 4,5
	Added – 6,0
	Added – for
	Removed – 2,25
	Added – 6,00
	Removed – cubic yards
	Added – ton
Page 15-2, Material 3) All Aggregates	
Field Personnel	
	Removed – Determinations as necessary for adequate control of aggregate proportions and total water content of the concrete. A minimum of one for every 1/3 day of operation
	Added – A minimum of one for every 1/3 day of operation as necessary for adequate control of aggregate proportions and total water content of the concrete

Page 15-2, Material 5) Wash Water	
Material	
	Added – 5) Wash Water
Type of Tests	
	Added – Quality
Q.C. Sampling and Testing by Contractor	
	Added – A request for approval must be submitted.
Field Personnel	
	Added – One gallon sample to be submitted to central laboratory
Branch Lab	
	Added – - - - - - - - - - -
Central Lab	
	Added – Wash water will be tested in the central laboratory
Location for Additional Information	
	Added – Section 29, Policy 7
Page 15-2, Material 6) Plastic Concrete	
Material	
	Removed – 5)
	Added – 6)
Location for Additional Information	
	Removed – Section 29, Policy 5
Page 15-2, Material 7) Concrete Test Cylinders	
Material	
	Removed – 6)
	Added – 7)
Field Personnel	
	Removed – One set of four 4x8 concrete cylinders representing each day's concrete placement
	Added – Four 4x8 cylinders shall be made for each day's placement.
Page 15-3, Material 8) Concrete Cores	
Material	
	Removed – 7)
	Added – 8)
Page 15-3, Material 9) PCC Pavement	
Material	
	Removed – 8)

		Added – 9)
Page 15-4, Material	10) Concrete Curing Materials	
	Material	
		Removed – 9)
		Added – 10)
Page 15-4, Material	11) Reinforcement Bars (Including Dowel Bars)	
	Material	
		Removed – 10)
		Added – 11)
Page 15-4, Material	12) Welded Steel Wire Fabric	
	Material	
		Removed – 11)
		Added – 12)
Page 15-4, Material	13) Deformed Metal Joint Material	
	Material	
		Removed – 12)
		Added – 13)
Page 15-4, Material	14) Elastomeric Compression Joint Seal	
	Material	
		Removed – 13)
		Added – 14)
Page 15-4, Material	15) Lubricant Adhesive for Elastomeric Compression Joint Seals	
	Material	
		Removed – 14)
		Added – 15)
Page 15-4, Material	16) Epoxy Compound	
	Material	
		Removed – 15)
		Added – 16)
Page 15-4, Material	17) Joint and Crack Sealing Fillers	
	Material	
		Removed – 16)
		Added – 17)
Page 15-5, Material	18) Load Transfer Device Assemblies for Reinforced Concrete Pavement Joints	
	Material	

			Removed – 17)
			Added – 18)
	Page 15-5, Material	19) Preformed Joint Filler	
		Material	
			Removed – 18)
			Added – 19)
	Page 15-5, Material	20) Pressure Relief Joint Filler, Preformed Flexible Polyurethane	
		Material	
			Removed – 19)
			Added – 20)
	Page 15-5, Material	21) Concrete Chemical Admixtures	
		Material	
			Removed – 20)
			Added – 21)
	Page 15-5, Material	22) Calcium Chloride	
		Material	
			Removed – 21)
			Added – 22)
Section 16, Portland Cement Concrete for Structures, Culverts, and Miscellaneous Construction			
	Page 16-1, Material	1) Coarse Aggregates	
		Field Personnel	
			Removed – (the recommended sample size is 50 pounds)
		Central Lab	
			Added – for
		Location for Additional Information	
			Removed – Note 5
	Page 16-1, Material	2) Fine Aggregate Sand Gravel	
		Field Personnel	
			Removed – 1,5
			Added – 2,0
		Central Lab	
			Added – for the
			Removed – 4,500
			Added – 6,000

			Removed – 2,250 cubic yards
			Added – 6,000 ton
	Page 16-2, Material 4)	All Aggregates	
		Field Personnel	
			Removed – Determinations as necessary for adequate control of aggregate proportions and total water content of the concrete. A minimum of one for every 1/3 day of operation
			Added – A minimum of one for every 1/3 day of operation as necessary for adequate control of aggregate proportions and total water content of the concrete
	Page 16-2, Material 6)	Wash Water	
		Material	
			Added – 6) Wash Water
		Type of Tests	
			Added – Quality
		Q.C. Sampling and Testing by Contractor	
			Added – A request for approval must be submitted.
		Field Personnel	
			Added – One gallon sample to be submitted to central laboratory
		Branch Lab	
			Added – -----
		Central Lab	
			Added – Wash water will be tested in the central laboratory
		Location for Additional Information	
			Added – Section 29, Policy 7
	Page 16-3, Material 7)	Plastic Concrete	
		Material	
			Removed – 6)
			Added – 7)
		Location for Additional Information	
			Added – Note 1
	Page 16-3, Material 8)	Lightweight Concrete	
		Material	
			Removed – 7)
			Added – 8)
	Page 16-4, Material 9)	Concrete Test Cylinders	
		Material	

			Removed – 8)
			Added – 9)
		Location for Additional Information	
			Removed – -----
			Added – Section 27, Note 1, Note 6
	Page 16-5, Material	10) Concrete Curing Materials	
		Material	
			Removed – 9)
			Added – 10)
	Page 16-5, Material	11) Reinforcement Bars (Including Dowel Bars)	
		Material	
			Removed – 10)
			Added – 11)
	Page 16-5, Material	12) Welded Steel Wire Fabric	
		Material	
			Removed – 11)
			Added – 12)
	Page 16-5, Material	13) Concrete Chemical Admixtures	
		Material	
			Removed – 12)
			Added – 13)
Section 19, Culvert Pipe, Drain Tile, Slope Drains, etc.			
	Page 19-1, Item 1)	Culvert, Group A) Zinc Coated Galvanized Steel, Aluminum Coated Steel, Polymer Coated Steel, Plastic	
		Approved Products List	
			Removed – Section VI
			Added – Post-Applied Coatings and Flexible Pipe Joints
			Removed – 11)
			Added – 10)
Section 20, Bridge Materials			
	Page 20-4, Item 22)	Wood Preservatives	
			Removed – Wood Preservatives
	Page 20-4, Item 23)	Zinc (Sheet)	
			Removed – Zinc (Sheets)

Page 20-4, Material 22) Reinforcement Bars		
	Material	
		Removed – 24)
		Added – 22)
Page 20-4, Material 23) Steel		
	Material	
		Removed – 25)
		Added – 23)
Page 20-4, Material 24) Precast and Prestressed Concrete Units		
	Material	
		Removed – 26)
		Added – 24)
Page 20-4, Material 25) Prestressed Steel Wire Strand		
	Material	
		Removed – 27)
		Added – 25)
Page 20-4, Material 26) Prestressed Fine and Coarse Aggregate		
	Material	
		Removed – 28)
		Added – 26)
Page 20-4, Material 27) Structural Steel for Concrete Girder Bridges		
	Material	
		Removed – 29)
		Added – 27)
Page 20-4, Material 28) Structural Fasteners for Concrete Girder Bridges		
	Material	
		Removed – 30)
		Added – 28)
Section 23, Traffic Control		
Page 23-1, Item 1) Barricade Warning Sign, Drum, and Tubular Post Reflective Material		
	Sample Required	
		Added – by field personnel
		Removed – report
		Added – reported

	Page 23-1, Item 3) Thermoplastic Pavement Marking
	Manufacturer Certified Tests Required
	Removed – Yes
	Added – No
	Page 23-1, Item 4) Glass Beads for Thermoplastic Pavement Marking
	Manufacturer Certified Tests Required
	Removed – Yes
	Added – No
	Page 23-1, Item 5) Polyurea Pavement Marking
	Item or Group
	Removed – Epoxy
	Added – Polyurea
	Approved Products List
	Removed – No
	Added – Yes
	Manufacturer Certified Tests Required
	Removed – Yes
	Added – No
	Manufacturer Certification of Compliance Record
	Removed – Yes
	Added – No
	Page 23-1, Item 6) Glass Beads for Polyurea Pavement Marking
	Item or Group
	Removed – Epoxy
	Added – Polyurea
	Manufacturer Certified Tests Required
	Removed – Yes
	Added – No
	Page 23-1, Item 7) Wet Reflective Polyurea Pavement Marking
	Item or Group
	Added – Item 7) Wet Reflective Polyurea Pavement Marking
	Sample Required
	Added – No
	Approved Products List
	Added – Yes

	Manufacturer Certified Tests Required
	Added – No
	Manufacturer Certification of Compliance Record
	Added – No
	Location of Additional Information
	Added – -----
Page 23-1, Item 8) Wet Reflective Media	
	Item or Group
	Added – Item 8) Wet Reflective Media
	Sample Required
	Added – No
	Approved Products List
	Added – Yes
	Manufacturer Certified Tests Required
	Added – No
	Manufacturer Certification of Compliance Record
	Added – No
	Location of Additional Information
	Added – -----
Page 23-1, Item 9) Preformed Pavement Marking, Type IV	
	Item or Group
	Removed – 7
	Added – 9
	Removed – Durable Retroreflective
	Removed – Tape (
	Removed – I, II, III,
	Removed –)
Page 23-1, Item 10) Wet Reflective Preformed Pavement Marking, Type IV	
	Item or Group
	Added – Item 10) Wet Reflective Preformed Pavement Marking, Type IV
	Sample Required
	Added – No
	Approved Products List
	Added – Yes
	Manufacturer Certified Tests Required

			Added – No
		Manufacturer Certification of Compliance Record	
			Added – No
		Location of Additional Information	
			Added -----
Page 23-1, Item 11) Temporary Pavement Marking Tape, Type II			
		Item or Group	
			Removed – 8
			Added – 11
Page 23-2, Item 12) Paint for Permanent Pavement Marking			
		Item or Group	
			Added – Item 12) Paint for Permanent Pavement Marking
		Sample Required	
			Added – No
		Approved Products List	
			Added – No
		Manufacturer Certified Tests Required	
			Added – No
		Manufacturer Certification of Compliance Record	
			Added – Yes, for each color
		Location of Additional Information	
			Added -----
Page 23-2, Item 13) Glass Beads for Permanent Pavement Marking			
		Item or Group	
			Added – Item 13) Glass Beads for Permanent Pavement Marking
		Sample Required	
			Added – No
		Approved Products List	
			Added – No
		Manufacturer Certified Tests Required	
			Added – No
		Manufacturer Certification of Compliance Record	
			Added – Yes
		Location of Additional Information	
			Added -----

Page 23-2, Item 14) Raised Pavement Markers (Temporary)	
	Item or Group
	Added – Item 14) Raised Pavement Markers (Temporary)
	Sample Required
	Added – No
	Approved Products List
	Added – Yes
	Manufacturer Certified Tests Required
	Added – No
	Manufacturer Certification of Compliance Record
	Added – No
	Location of Additional Information
	Added -----
Page 23-2, Item 15) Raised Pavement Markers (Overlay)	
	Item or Group
	Added – Item 15) Raised Pavement Markers (Overlay)
	Sample Required
	Added – No
	Approved Products List
	Added – Yes
	Manufacturer Certified Tests Required
	Added – No
	Manufacturer Certification of Compliance Record
	Added – No
	Location of Additional Information
	Added -----
Page 23-2, Item 16) Black Aggregate	
	Item or Group
	Added – Item 16) Black Aggregate
	Sample Required
	Added – No
	Approved Products List
	Added – No
	Manufacturer Certified Tests Required
	Added – No

	Manufacturer Certification of Compliance Record
	Added – Yes
	Location of Additional Information
	Added -----
	Page 23-2, Item 9) Paint for Temporary Pavement Marking
	Removed – 9) Paint for Temporary Pavement Marking
	Page 23-2, Item 10) Glass Beads for Temporary Pavement Marking
	Removed – 10) Glass Beads for Temporary Pavement Marking
	Page 23-2, Item 11) Raised Pavement Markers (Plowable and Temporary Type)
	Removed – 11) Raised Pavement Markers (Plowable and Temporary Type)
	Page 23-2, Item 12) Overlay Markers
	Removed – 12) Overlay Markers
	Page 23-2, Item 17) Tubular Posts
	Item or Group
	Removed – 13
	Added – 17
	Page 23-2, Item 18) Opposing Lane Dividers
	Item or Group
	Removed – 14
	Added – 18
	Page 23-2, Item 19) Changeable Message Sign
	Item or Group
	Removed – 15
	Added – 19
	Page 23-2, Item 20) Flashing Arrow Panel
	Item or Group
	Removed – 16
	Added – 20
Section 24, Roadside Development and Erosion Control	
	Page 24-1, Item 2) Rock Riprap, B) Filter Fabric for Rock Riprap
	Location of Additional Information
	Added – Section 27, Note 1, Note 26

Section 27, Notes		
Page 27-3, Note 5, Crushed Rock Aggregate Inspected at the Source		
		<p>Removed – Crushed rock aggregates from eastern Nebraska which are inspected at the source by department personnel or by the producers’ certified inspector are governed as follows:</p> <p>The scale weigh ticket accompanying truck shipments will show information pertinent to the material and will also certify that the material was from stock tested by approved methods. The State Inspector will forward to the Project Manager DR Form 156, Aggregate Shipments. These forms will furnish record of shipment and other pertinent information. When received on the project, the same procedure as outlined previously regarding the use of the aggregate should be observed.</p> <p>Should any type or class of crushed rock be received without a Certification of Inspection tag, the Materials and Research Division should be contacted for verification of whether or not the material is acceptable for use.</p>
		Added – This note was removed effective January 1, 2013.
Page 27-4, Note 6, Portland Cement Concrete		
		<p>Removed – Concrete Cylinders for Pavement – A set of four 4x8 cylinders will be made for each day’s placement.</p> <p>Mandatory testing is required at 7 and 28 days. The Project Manager may request a change in the age of testing providing there are two cylinders for the 28-day strength. Extra cylinders shall be made if early testing is requested by the contractor.</p> <p>Concrete Cylinders for Structures – A set of four 4x8 cylinders will be made for the first 100 cubic yards placed. An additional set of four 4x8 cylinders are required for placements in excess 100 cubic yards.</p>
		Removed – 7 and
		Added – If the compressive strength is obtained earlier than 28 days, the remaining cylinders are not required to be tested.
Page 27-8, Note 26, Rock Riprap and Gabion Stone Fill		
		Added – size,
		Removed – At the completion of the project, the Project Manager should advise the Materials and Research Division as to the producer, the location of the quarry, and the date shipped.
Section 28, Quality Assurance Program for Construction Materials		
Page 28-A-4, Table A-1, Test Methods for Qualification of Sampling and Testing Personnel		
		Laboratory and Field Technician Certifications

		Concrete – Laboratory
		Removed – PCC
		Added – Concrete
		Added – Technician
		Concrete – Laboratory –
		Added – Maturity Curve Method of Development
		Added – 5 Year
		Concrete – Field – ACI Concrete Field Testing Technician
		Removed – PCC
		Added – Concrete
		Added – Testing
		Concrete – Field – Concrete Plant Batcher
		Removed – NDOR PCC Inspector
		Added – Concrete Plant Batcher
		Concrete – Field – Fundamentals of Concrete
		Removed – NDOR PCC Field Inspector
		Added – Fundamentals of Concrete
		Removed – 5 Year
		Added – Lifetime
		Concrete – Field – Maturity Method Field Monitoring
		Added – Maturity Method Field Monitoring
		Added – 5 Year
		Concrete – Field – Profilograph Operator
		Added – Profilograph Operator
		Added – 5 Year
		Concrete – Field – Portland Cement Sampler
		Added – Portland Cement Sampler
		Added – One-Time Review
		Soils – Laboratory
		Removed – Level
		Soils – Field
		Removed – Level
		Asphalt – Laboratory
		Added – Asphaltic
		Removed – Test

			Asphalt – Field
			Added – One-Time Review
			Added – Asphaltic
			Added – Asphaltic
Page 28-A-5, Table A-1, Test Methods for Qualification of Sampling and Testing Personnel			
			Concrete Laboratory Technicians
			ACI Concrete Strength Testing Technician – Certification
			Removed – PCC
			Added – Concrete
			Removed – ACI PCC Field Test Technician
			Added – NA
			ACI Concrete Strength Testing Technician – Proficiency
			Added – C 1231
			Concrete Laboratory Technicians
			Maturity Curve Method of Development – Certification
			Added – NDOR
			Added – Materials & Research
			Removed – PCC
			Added – Concrete
			Added – Technician
			Removed – PCC
			Added – Concrete
Page 28-A-6, Table A-1, Test Methods for Qualification of Sampling and Testing Personnel			
			Concrete Field Technicians
			ACI Concrete Field Testing Technician – Certification
			Removed – PCC
			Added – Concrete
			Added – Testing
			Added – An ACI
			Concrete Field Technicians
			Concrete Plant Batcher – Certification
			Removed – NDOR PCC Plant Inspector
			Added – Concrete Plant Batcher
			Added – This course has been prepared to cover the Fundamentals of Concrete, Hydration, Critical Properties, Tempering, Hot & Cold Weather, Batching & Mixing, Designing and

			Proportioning of Concrete.
			Removed – a NDOR PCC Plant Inspector
			Added – Concrete Plant Batcher
			Removed – ACI PCC Field Test Technician in addition to
			Removed – NDOR Concrete Plant Inspector – Level II
			Added – Concrete Plant Batcher
			Added – Materials & Research
			Removed – ACI PCC Field Test Tech
			Added – NA
Page 28-A-7, Table A-1, Test Methods for Qualification of Sampling and Testing Personnel			
			Concrete Field Technicians
			Fundamentals of Concrete – Certification
			Removed – NDOR PCC Field Inspector
			Added – Fundamentals of Concrete
			Added – Batching and Mixing
			Removed – PCC Field Inspector
			Added – Fundamentals of Concrete
			Removed – This course is required for NDOR inspectors.
			Removed – NDOR Concrete Field Inspector – Level II
			Added – Fundamentals of Concrete
			Removed – Nebraska Concrete and Aggregate Association
			Added – NDOR Materials & Research/LTAP
			Removed – 5 Year
			Added – Lifetime
			Added – Materials & Research
			Removed – ACI PCC Field Test Tech
			Added – NA
			Concrete Field Technicians
			Maturity Method Field Monitoring – Certification
			Added – NDOR
			Added – Materials & Research
Page 28-A-8, Table A-1, Test Methods for Qualification of Sampling and Testing Personnel			
			Concrete Field Technicians
			Profilograph Operator – Certification
			Added – NDOR

			Added – Materials & Research
		Portland Cement Sampler – Certification	
			Removed – Quality Assurance Manager
			Added – Materials & Research
			Removed – Quality Assurance Manager
			Added – Materials & Research
Page 28-A-9, Table A-1, Test Methods for Qualification of Sampling and Testing Personnel			
		Soils Laboratory Technicians – Certification	
		Earthwork Technician II	
			Added – Materials & Research
		Soils Field Technicians	
		Earthwork Technician I – Certification	
			Added – Materials & Research
			Added – Hazardous Materials
		Earthwork Technician I – Proficiency	
			Added – AASHTO T 2, Sampling of Aggregates
			Added – AASHTO T 11, Materials finer than 75 Microns (No. 200 Sieve) in Mineral Aggregates by Washing
			Added – AASHTO T 27, Sieve Analysis of Fine and Coarse Aggregates
			Added – AASHTO T 248, Reducing Field Samples of Aggregate to Testing Size
			Added – AASHTO T 255, Total Moisture Content of Aggregate by Drying
Page 28-A-10, Table A-1, Test Methods for Qualification of Sampling and Testing Personnel			
		Asphaltic Laboratory Technician – Certification	
		Asphaltic Concrete Technician	
			Added – Asphaltic
			Added – Asphaltic
			Added – Asphaltic
			Added – Materials & Research
Page 28-A-11, Table A-1, Test Methods for Qualification of Sampling and Testing Personnel			
		Asphaltic Field Technicians	
		PG Binder/Emulsion Sample Technician	
			Removed – Quality Assurance Manager
			Added – Materials & Research
			Removed – Quality Assurance Manager
			Added – Materials & Research

			Added – Hazardous Material
		Asphaltic Field Technicians	
		Asphaltic Field Technician I	
			Added – Asphaltic
			Added – Asphaltic
		Asphaltic Field Technicians	
		Asphaltic Field Technician II	
			Added – Asphaltic
			Added – Technician
Page 28-A-12, Table A-1, Test Methods for Qualification of Sampling and Testing Personnel			
		Provisional Certification - Concrete	
		Fundamentals of Concrete – Certification	
			Removed – PCC Technician Provisional Certification
			Added – Fundamentals of Concrete
			Removed – Quality Assurance Manager
			Added – Materials & Research
			Removed – Quality Assurance Manager
			Added – Materials & Research
		Soil/Aggregate Technician Provisional – Certification	
			Removed – Quality Assurance Manager
			Added – Materials & Research
			Removed – Quality Assurance Manager
			Added – Materials & Research
		Provisional Certification - Asphalt	
		Asphaltic Technician Provisional Certification	
			Added – Asphaltic
			Removed – Quality Assurance Manager
			Added – Materials & Research
			Removed – Quality Assurance Manager
			Added – Materials & Research
Page 28-A-13, Table A-1, Test Methods for Qualification of Sampling and Testing Personnel			
		Provisional Certification - Asphalt	
		Asphaltic Concrete Technician Provisional – Certification	
			Removed – Quality Assurance Manager
			Added – Materials & Research

Page 28-D-3, Appendix D, Acceptable Tolerance Limits for Independent Assurance Split or Proficiency Samples									
Asphalt Concrete (Superpave)									
Split Sample Tolerance									
Added –									
			<table border="1"> <tr> <td>No. 16 (1.18 mm)</td> <td rowspan="3">4% Tolerance</td> </tr> <tr> <td>No. 30 (600 µm)</td> </tr> <tr> <td>No. 50 (300 µm)</td> </tr> <tr> <td>No. 200 (75 µm)</td> <td>2% Tolerance</td> </tr> </table>	No. 16 (1.18 mm)	4% Tolerance	No. 30 (600 µm)	No. 50 (300 µm)	No. 200 (75 µm)	2% Tolerance
No. 16 (1.18 mm)	4% Tolerance								
No. 30 (600 µm)									
No. 50 (300 µm)									
No. 200 (75 µm)	2% Tolerance								
Removed – ** Percent in size fraction between two consecutive aggregate sieves.									
Removed – * See footnote page D-4									
Asphalt Concrete (Conventional)									
Removed – * See footnote page D-4									
Page 28-F-1, Appendix F, Annual FHWA IA Program Report									
Assessment of Technician Certification: Federally Funded State Projects on NHS									
Added – on NHS									
Page 28-F-2, Appendix F, Annual FHWA IA Program Report									
Assessment of Technician Certification Status									
Required Certifications – Asphalt									
Removed – Test									
Added – Technician									
Required Certifications – Concrete									
Added – ACI Concrete									
Removed – PCC									
Added – Testing Technician									
Removed – PCC Plant Inspector NDOR Level II									
Added – Concrete Plant Batcher									
Required Certifications – Soils									
Added – Technician									
Removed – Level									
Added – Technician									
Removed – Level									
Assessment of Technician Certification Status									
Required Certifications – Asphalt									
Removed – Test									
Added – Technician									
Required Certifications – Concrete									

				Added – ACI Concrete
				Removed – PCC
				Added – Testing Technician
				Removed – ACI
				Removed – PCC Plant Inspector NDOR Level II
				Added – Concrete Plant Batcher
			Required Certifications – Soils	
				Added – Technician
				Removed – Level
				Added – Technician
				Removed – Level
Page 28-F-3, Appendix F, Annual FHWA IA Program Report				
			Assessment of Technician Certification Status	
			Required Certifications – Asphalt	
				Removed – Test
				Added – Technician
			Required Certifications – Concrete	
				Removed – Asphaltic Concrete Test Tech
				Added – ACI Concrete
				Removed – PCC
				Added – Testing Technician
				Removed – ACI
				Removed – PCC Plant Inspector NDOR Level II
				Added – Concrete Plant Batcher
			Required Certifications – Soils	
				Added – Technician
				Removed – Level
				Added – Technician
				Removed – Level
Page 28-F-4, Appendix F, Annual FHWA IA Program Report				
			Assessment of Technician Certification Status	
			Required Certifications – Asphalt	
				Removed – Test
				Added – Technician
			Required Certifications – Concrete	

				Added – ACI Concrete
				Removed – PCC
				Added – Testing Technician
				Removed – ACI
				Removed – PCC Plant Inspector NDOR Level II
				Added – Concrete Plant Batcher
			Required Certifications – Soils	
				Added – Technician
				Removed – Level
				Added – Technician
				Removed – Level
Section 29, Policies				
Page 29-9, Policy 4, Acceptance Policy for Portland Cement and Interground/Blended Cements				
		Approved Products List		
			#3	
				Removed – 1.10%
				Added – 0.10%
				Removed – 1.13%
				Added – 0.13%
Page 29-11, Policy 4, Acceptance Policy for Portland Cement and Interground/Blended Cements				
		Quality Control of Products on the Approved Products List		
			PCC Lab	
				Removed – 2.8.1.
				Added – 3
Page 29-12, Policy 4, Acceptance Policy for Portland Cement and Interground/Blended Cements				
		Acceptance of Portland Cement and Interground/Blended Cements		
				Added – Cement
			Sample will include the following:	
			Removed – <ul style="list-style-type: none"> • Required Certified letter of Compliance • Date Sampled • Comparison sample number and mill sample number • Location Name • (including Project, Distribution Plant or Ready Mix 	

			<p>Added –</p> <ul style="list-style-type: none"> • Name and location of the producing cement mill • Name and location where sample was taken (Project number, Terminal location, Ready mix plant name/location) • Date sample was taken • Railroad car or truck identification number • Brand and type of cement
			NDOR Sample Verification
			Removed – 2.8.1.
			Added – 3
			PCC Lab
			Removed – 2.8.1.
			Added – 3
			Possible Verification by Independent Lab
			Removed – 2.8.1.
			Added – 3
Page 29-14, Policy 5, Acceptance Policy for Pozzolans (Fly Ash or Calcined Natural Pozzolan)			
			Approved Products List
			Added – with certification of compliance
			<p>Added –</p> <ul style="list-style-type: none"> • Fly Ash shall be sampled and tested in accordance with ASTM C 618. • Calcined natural clay composite shall be submitted in ground form for testing in accordance with ASTM C 618.
			Removed – Concrete Materials
			Added – Portland Cement Concrete
			Removed – and Tests
			Added – & Research
			Removed – and Tests
			Added – & Research
Page 29-15, Policy 5, Acceptance Policy for Pozzolans (Fly Ash or Calcined Natural Pozzolan)			
			Mailing Address
			Removed – Concrete Materials
			Added – Portland Cement Concrete
			Removed – at 402-479-4677

Page 29-24, Policy 8, Pipe Material Policy				
			* Storm Sewer Pipe for Local Public Agency (LPA) Projects Within Metropolitan Areas	
				Added – * Storm Sewer Pipe for Local Public Agency (LPA) Projects Within Metropolitan Areas
				Added – NDOR recognizes that various entities (cable companies, gas transmission pipelines, telecommunications, etc.) are allowed to occupy public ROW. Therefore, when constructing in the metropolitan areas (as defined in the LPA Manual) where the potential for utility conflicts are likely to occur, pipe selection shall be at the discretion of the LPA. This LPA allowance for pipe selection shall not encumber upon, or invalidate any of the Pipe Policy alternatives specified for use on NDOR projects.
Page 29-26, Policy 8, Pipe Material Policy				
			Pipe Selection Flow Chart – Storm Sewer	
				Added – *