REVISIONS TO MATERIALS SAMPLING GUIDE July 1, 2019 Edition

0	Odly 1, 2010 Edition	
Section 1	- General Instructions and Definitions	
	General Definitions, Page 1-1	
	Certificate of Compliance	
	Removed: Certificate of Compliance (COC): Manufacturer's Certificate of Compliance shall state that the material or item meets all requirements defined for the project. Each COC will include all pertinent data (i.e. size, quantity, specification number, codes, contractor performing work, project number, project location, etc.) for the materials represented by the certificate. An authorized representative of the manufacturing firm will sign the certification.	
	Certificate of Tests	
	Removed: Certificate of Tests (COT): Manufacturer's Certificate of Tests shall show the required test results and certify that they are correct. The project number, project location and contractor will be indicated on the COT. An authorized representative of the manufacturing firm will sign the COT. In some instances, such as steel for reinforcement, the process of manufacture must also be shown.	
	General Definitions	
	Removed: The cost of providing the COC, the COT and all expenses incurred regarding testing and sampling will not be paid for directly. This will be considered subsidiary to items for which the contract provides direct payment.	
	Instructions for Local Public Agency (LPA) Projects, Page 1-2	
	Removed: FALCON	
	Added: OnBase	
	echnician Requirements	
	Removed: SiteManager	
	Added: AASHTOWare Project (AWP)	
	The section of the se	
Section 2	- Asphaltic Materials	
00000112	Materials 3) Performance Graded Binder, Page 2-2	
	Field Personnel	
	Removed: SiteManager	
	Added: AWP	
	Added. AWI	
Section 3	- Asphaltic Concrete	
Oection 5	Material 10 Asphaltic Concrete, Page 3-1	
	Location of Additional Information	
 	Removed: Note 28	
<u> </u>	Material 2) Asphaltic Concrete Type SPS, Page 3-1	
<u> </u>	Location of Additional Information	
	Location of Additional Information	

	Removed: Note 28
Material 3) Asphaltic Concrete	e Types LC, RLC, SLX, SRM, Page 3-1
	dditional Information
23341611 6171	Removed: Note 28
	Nomerou. Note 25
Section 4 – Asphaltic Concrete Materials	
	e (Gravel, Sand, Sand-Gravel), Page 4-1
Location of A	dditional Information
	Removed: Note 28
Material 2) Crushed Rock (Lir	mestone), Page 4-1
Location of A	dditional Information
	Removed: Section 27, Note 28
	Added:
	mestone Screenings, Man-Sand), Page 4-1
Location of A	dditional Information
	Removed: Section 27, Note 28
	Added:
Material 4) Quartzite and Gra	
Location of A	dditional Information
	Removed: Section 27, Note 28
	Added:
	d Granite (Screenings, Man-Sand), Page 4-2
Location of A	dditional Information
	Removed: Section 27, Note 28
	Added:
	Aggregate or Chat for Micro-surfacing, Page 4-2
Location of A	dditional Information
	Removed: Note 28
Section 5 – Cold Mix Bituminous Surfacin	
Material 1) Subgrade Sand, F	Page 5-1
Location of A	dditional Information
	Removed: Section 27, Note 28
	Added:
	als (Sand and Filler), Page 5-2
Location of A	dditional Information
	Removed: Section 27, Note 28
	Added:

Material 4) Bituminous Aggregates (Includes Mixed in Place Bituminous Surfacing), Page 5-2
Location of Additional Information
Removed: Note 28
Material 5) Mineral Aggregates, Page 5-3
Location of Additional Information
Removed: Note 28
Section 6 – Gravel and Crushed Rock for Surfacing
Material 1) Gravel For Surfacing, Page 6-1
Location of Additional Information
Removed: Note 28
Material 2) Crushed Rock for Surfacing, Page 6-2
Location of Additional Information
Removed: Note 28
Section 7 – Mineral Aggregate for Armor Coat
Material 1) Mineral Aggregate for Armor Coat (Gravel), Page 7-1
Location of Additional Information
Removed: Note 28
Material 2) Chip Seal (Limestone, Dolomite, Granite, Quartzite), Page 7-2
Location of Additional Information
Removed: Note 28
Section 8 – Crushed Rock and Crushed Rock Screenings for Base Course
Material 2) Crushed Rock Screenings for Base Course, Page 8-1
Location of Additional Information
Removed: Section 27, Note 28
Added:
Section 12 Cronular Page Cronular Fill Cronular Pagerfill Sand Planket and MSE Walla
Section 13 – Granular Base, Granular Fill, Granular Backfill, Sand Blanket and MSE Walls Meterial 1) All Minoral Aggregates and Sail Binder, Bage 13.1
Material 1) All – Mineral Aggregates and Soil Binder, Page 13-1 Location of Additional Information
Removed: Section 27, Note 28 Added:
Material 2) Mineral Aggregates (Commercial Production), Page 13-1
Location of Additional Information
Added:
Material 3) Coarse Sand, Page 13-2
Iviaterial 3) Coarse Garia, Faye 13-2

Location of Additional Information	
Removed: Note 28	
Material 4) Fine Sand, Page 13-2	
Location of Additional Information	
Removed: Note 28	
Material 6) Granular Base, Granular Fill, Granular Backfill and Sand Blanket-Gradation, Page 13-5	
Location of Additional Information	
Removed: Note 28	
Material 7) Stabilized Portion of Granular Base, Granular Fill, Granular Backfill and Sand Blanket, P	age 13-6
Location of Additional Information	
Removed: Section 27, Note 28	
Added:	
Material 8) Granular Backfill for Structures, Page 13-7	
Location of Additional Information	
Removed: Section 27, Note 28	
Added:	
Material 9) Granular Subdrains, Page 13-8	
Location of Additional Information	
Removed: Note 28	
Material 10) Granular Backfill for Pipe Underdrain, Page 13-8	
Location of Additional Information	
Removed: Note 28	
Material 11) Select and Random Granular Backfill for MSE Walls, Page 13-9	
Location of Additional Information	
Removed: Section 27, Note 28	
Added:	
Continue AA Doubles d Consent/laterane and Blanded Consent/Cities France	
Section 14 – Portland Cement/Interground-Blended Cement/Silica Fume	
Material 1) Portland Cement, Page 14-1 Field Personnel	
Removed: Approved Products List Added: Nebraska Qualified Material Vendors List	
Material 2) Inter-ground/Blended Cement, Page 14-1 Field Personnel	
Removed: Approved Products List	
Added: Nebraska Qualified Material Vendors List	
Material 3) Silica Fume	
Field Personnel	
I IGIU I GISOTITIGI	

	T	Domovody Approved Droducto List
		Removed: Approved Products List Added: Nebraska Qualified Material Vendors List
		Added: Nedraska Qualified Material Vendors List
0	De de la Como	of Occords For Proceeds Proce Occord Process Williams Proceeds Protein and
Section 15		nt Concrete For Pavement, Base Course, Base Course Widening, Pavement Patching, etc.
	Material 1) Clas	s E and F Aggregates, Page 15-1
		Location of Additional Information
		Removed: Note 28
		s A, B, and C Aggregates, Page 15-1
		Location of Additional Information
		Removed: Note 28
		s R Aggregate, Page 15-1
		Location of Additional Information
		Removed: Note 28
		ggregates, Page 15-2
		Location of Additional Information
		Removed: Note 28
		stic Concrete (Non-QA/QC), Page 15-2
		Material
		Added: Non QA/QC
		stic Concrete (QA/QC), Page 15-2
		Material
		Added: 7b) Plastic Concrete (QA/QC)
		Type of Test
		Added: Air Content
		QC Sampling and Testing by Contractor
		Added: First load and then one per 300 cubic yards
		Field Personnel
		Added:
		Branch Lab
		Added:
		Central Lab
		Added:
		Location of Additional Information
		Section 27, Note 1, Note 6
		Type of Test
		Added: Unit Weight
		QC Sampling and Testing by Contractor
		Added: First load and then one per 300 cubic yards in front of the paver. The concrete will be sampled
		behind the paver every half day.
1		

	Field Personnel
	Added: Every half day of paving
	Branch Lab
	Testing and sampling for verification testing and dispute resolution as needed.
	Central Lab
	Added:
	Location of Additional Information
	Section 27, Note 1, Note 6
	Nebraska Qualified Material Vendors List, Page 15-4
	Added: Column for Nebraska Qualified Material Vendors List
	Added. Column for Nebraska Qualified Material Veridors List
Section 16 Portland Com	nent Concrete For Structures, Culverts, and Miscellaneous Construction
	ass E and F Aggregates, Page 16-1
Material 1) Ci	Location of Additional Information
	Removed: Note 28
Matarial 2) Cl	
Material 2) Ci	ass A, B, and C Aggregates, Page 16-1 Location of Additional Information
Matarial 2) Ol	Removed: Note 28
Material 3) Ci	ass R Aggregate, Page 16-1
	Location of Additional Information
100	Removed: Note 28
Material 5) All	Aggregates, Page 16-2
	Location of Additional Information
	Removed: Note 28
Material 10) C	Concrete Test Cylinders, Page 16-4
	Field Personnel
	Removed: For pours over 100 cubic yards, three sets of four 4x8 cylinders are required representative
	of each 1/3 day's production.
	Added: For bridge deck pours over 100 cubic yards, three sets of four 4x8 cylinders are required
	representative for each 1/3 day's production.
	For other structures over 100 cubic yards, two sets of four 4X8 cylinders are required.
	Nebraska Qualified Material Vendors List, Page 16-4
	Added: Column for Nebraska Qualified Material Vendors List
Section 17 – Guardrail	
	Nebraska Qualified Material Vendors List, Page 17-1
	Added: Column for Nebraska Qualified Material Vendors List
Item 1) Cable	and Beam Guardrail Assemblies, Page 17-1
	Item or Group

	Removed: Beam Guardrail
	Added: Cable and Beam Guardrail Assemblies
Sample Requi	
Sample Requi	Removed:
	Added: Yes – At least one sample of each of the items used in the guardrail assembly unless shipped
	from tested and approved stock. Sample will be returned
Manufacturer (Certified Tests Required
	Added: Yes
Location of Ad	ditional Information
	Added: Section 27, Note 1, Note 10
Item 1A) Beam Element, Page	
, , , , , , , , , , , , , , , , , , , ,	Removed: Item 1A) Beam Element
Item 1B) Steel Posts, End Pos	ts, Special Posts, Adaptor Plates, Page 17-1
	Removed: Item 1B) Steel Posts, End Posts, Special Posts, Adaptor Plates
Item 2) End Anchor Assembly	and Breakaway Terminal Section, Page 17-1
Sample Requi	
	Removed: Yes – At least one sample of each the items used in the guard rail assembly unless
	shipped from tested and approved stock. Sample will be returned
Item 3) Miscellaneous Hardwa	re Bolts, Washers, etc., page 17-1
Sample Requi	red
	Removed: Yes – At least one sample of each the items used in the guard rail assembly unless
	shipped from tested and approved stock.
Item 4) Wood Guardrail Posts	and Blocks, page 17-1
Manufacturer (Certified Tests Required
	Removed: See Note
	Added: Yes
Manufacturer (Certification of Compliance Required
	Removed: See Note
	Added: Yes
Item F) Insert Assembly, Page	
	Removed: Item F) Insert Assembly
Item 2) Cable Guardrail, Page	17-1
	Removed: Item 2) Cable Guardrail
Item 2A) Cable, Page 17-1	
	Removed: Item 2A) Cable
Item 2B) Posts and Hook Bolts	
	Removed: Item 2B) Posts and Hook Bolts
Item 2C) Tension Spring Asse	
	Removed: Item 2C) Tension Spring Assemblies

Item 2D) Anchor Assemblies, Page 17-1
Removed: Item 2D) Anchor Assemblies
Item 5) Guardrail End Treatment, Type I and II, Page 17-1
Added: Item 5) Guardrail End Treatment, Type I and II
Sample Required
Added: No – Unless requested by Materials & Research Division
Approved Products List
Added: No
Nebraska Qualified Material Vendors List
Added: No
Manufacturer Certified Tests Required
Added: No
Manufacturer Certification of Compliance Required
Added: Yes
Location of Additional Information
Added: Section 27, Note 10
Section 18, Fence, Handrail, and Barrier Rail Materials
Nebraska Qualified Material Vendors List, Page 18-1
Added: Column for Nebraska Qualified Material Vendors List
Section 19 – Culvert Pipe, Drain Tile, Sewer Pipe, Slope Drains and Related Materials
Nebraska Qualified Material Vendors List, Page 19-1
Added: Column for Nebraska Qualified Material Vendors List
Item 1Ba) Culvert Pipe (All Shapes), Page 19-1
Nebraska Qualified Material Vendors List
Added: Yes
Item 1Bb) Flared End Sections, Page 19-1
Nebraska Qualified Material Vendors List
Added: Yes
Item 2A) Drain Tile Concrete, Page 19-1
Nebraska Qualified Material Vendors List
Added: Yes
Item 3B) Sewer Pipe Reinforced Concrete, Page 19-2
Nebraska Qualified Material Vendors List
Added: Yes

Section 20 – Bridge M	Materials
Occilon 20 Bridge W	Nebraska Qualified Material Vendors List, Page 20-1
	Added: Column for Nebraska Qualified Material Vendors List
Item 26)	Prestressed Fine and Coarse Aggregate, Page 20-4
110111 20) 1	Sample Required
	Removed: every 500 cubic yard of concrete
	Added: for quality tests
	Nebraska Qualified Material Vendors List
	Added: Yes
	Added. 163
Section: 21 – Lighting	and Signal Materials
Coolion: 21 Lighting	Nebraska Qualified Material Vendors List, Page 21-1
	Added: Column for Nebraska Qualified Material Vendors List
Item 2Ca	-e) Electrical Items Conduit Aluminum, etc., Page 21-1
itom 20a	Sample Required
	Removed: SiteManager
	Added: AWP
Item 2le)	Electrical Items Electrical Equipment Luminaires, Page 21-3
	Nebraska Qualified Material Vendors List
	Added: Yes
Section 22, Signing M	laterials
	Nebraska Qualified Material Vendors List, Page 22-1
	Added: Column for Nebraska Qualified Material Vendors List
Section 23 - Traffic C	control
	Nebraska Qualified Material Vendors List, Page 23-1
	Added: Column for Nebraska Qualified Material Vendors List
Item 1) B	arricade Warning Sign, Drum, and Tubular Post Reflective Material, Page 23-1
,	Sample Required
	Removed: SiteManager
	Added: AWP
Item 12)	Permanent Pavement Marking, Type Paint, Page 23-2
	Nebraska Qualified Material Vendors List
	Added: Yes
	Manufacturer Certification of Compliance Required
	Removed: When the pay quantity is less than 5,000 linear feet
Itom 43\ (Glass Beads for Permanent Pavement Marking Type Paint, Page 23-2

Ne	ebraska Qualified Material Vendors List
	Added: Yes
Ma	anufacturer Certification of Compliance Required
	Removed: When the pay quantity is less than 5,000 linear feet
Section 24 – Roadside Develop	
Ne	ebraska Qualified Material Vendors List, Page 24-1
	Added: Column for Nebraska Qualified Material Vendors List
Section 25 – Miscellaneous Ma	
Ne	ebraska Qualified Material Vendors List, Page 25-1
	Added: Column for Nebraska Qualified Material Vendors List
	rt Sandfill, Page 25-4
Loc	cation of Additional Information
	Removed: Note 28
0 - 1 - 0 - N - 1 - 1	
Section 27, Notes	and Tasting Coroll Overstities of New systical Metaviole, Days 07.4
Note 1, Sampling a	and Testing Small Quantities of Non-critical Materials, Page 27-1
	Removed: SiteManager Added: AWP
	Removed: SiteManager
	Added: AWP
Note 9 Reinforcing	g Steel, Bars, and Fabric, Page 27-4
14ote 9, remotent	Removed: SiteManager
	Added: AWP
	Removed: SiteManager
	Added: AWP
Note 10 Page as	d Cable Guardrail and Fittings, Page 27-4
inote 10, beam and	
	Removed: SiteManager
	Added: AWP
Note 11, Metal Cul	Ivert Pipe Field Inspection and Reporting, Page 27-5
	Removed: SiteManager
	Added: AWP
Note 12, Bolts, Nu	ts and Washers, and Structural Fasteners, Page 27-5
	Removed: SiteManager
	Added: AWP
Note 14 Steel Bea	aring Piling, Steel Sheet Piling and Steel Shells for Cast-in-Place Piling, Page 27-5

	Removed: SiteManager
	Added: AWP
Note 15, Combi	nation Mast Arm Signal and Lighting Poles, Mast Arm Signal Poles, Span Wire Poles, Pedestal Traffic Signal Poles, Page 27-6
	Removed: SiteManager
	Added: AWP
Note 18, Gray I	ron Castings (Cast Iron Grates, Frames, Pull Box Frames and Covers, Junction Boxes, etc.), Page 27-6
	Removed: SiteManager
	Added: AWP
Note 22, Reflec	tors and Fasteners, Page 27-7
	Removed: SiteManager
	Added: AWP
	Removed: SiteManager
	Added: AWP
Note 23, Deline	ator Posts, Page 27-7
	Removed: SiteManager
	Added: AWP
	d and Untreated Timber Piling, Treated Timber Sheet Piling, Fence Posts, Treated and Untreated Lumber, Treated Fimber, Wood Guardrail Posts, Offset Blocks, Treated Poles and Sign Posts, Page 27-8
	Removed: of inspection and treatment
	Added: tests
	Removed: of inspection and treatment
	Added: tests
	Removed: SiteManager
	Added: AWP
Note 26, Rock F	Riprap and Gabion Stone Fill, Page 27-8
	Removed: The sampling of rock riprap and gabion stone fill is not required if the material is received from any of the following sources: Concrete Materials Company (Sioux Falls, SD) Fisher Sand & Gravel (Mitchell, SD) Martin Marietta Materials (Ft Calhoun, NE)
	Martin Marietta Materials (Guernsey, WY) Hills Materials Company (Hot Springs, SD) Kerford Limestone (Weeping Water, NE) L. G. Everst (Del Rapids, SD)
	Martin Marietta Materials (Weeping Water, NE) Martin Marietta Materials (Granite Canyon, WY) Spencer Quarry (Spencer, SD) Since

Note 28, Nebraska Qua	lified Materials Vendor List, Page 27-9
	Removed: Note 28
Section 28, Quality Assurance Prog	
Section 3, Acceptance	
3.1 Ger	eral, Page 28-3-1
	Added:
	Material acceptance is defined by these categories:
	Visual Verification Annual of Braducts List
	• Approved Products List
	Note* These acceptance methods will not be paired with other acceptance methods. Once recorded, acceptance methods will not be paired with other acceptance methods. Once recorded,
	no additional documentation is required.
	Certificate of Compliance
	Certificate of Tests
	• Sample and Test
	Note These acceptance methods may be paired with one or more other acceptance methods and
	require further action or record compliance.
	Nebraska Qualified Material Vendors List
	Note* This acceptance method must be paired with another acceptance method.
3.2.2 M	anufactured Materials, Page 28-3-2
	Added: Certificate of Compliance – The Certificate of Compliance shall state that the material or item
	meets all requirements defined for the project. Each COC will include all pertinent data ((i.e. size,
	quantity, specification number, codes, con-tractor performing work, project number, project location,
	etc.) for the materials represented by the certificate. The COC shall be signed by the manufacturer's
	authorized representative and indicate the representative's job title. Certificate of Tests – Manufacturer's Certificate of Tests shall show the required test results and certify
	they are correct. In some instances, such as steel for reinforcement, the process of manufacture must
	also be shown. The COT shall be signed by the manufacturer's authorized representative and indicate
	the representative's job title.
	The cost of providing the COC the COT and all expenses incurred regarding testing and sampling will
	not be paid for directly. This will be considered subsidiary to items for which the contract provides
	direct payment.
3.2.4 No	ebraska Qualified Material Vendor List, Page 28-3-2
	Added: 3.2.4 Nebraska Qualified Material Vendor List – NDOT will pre-qualify material vendors to
	supply specific materials based on specification as outlined in the Standard Specification for Highway
	Construction and con-tract. In addition to these qualifications, additional material acceptance
	documentation is required for the materials provided by these vendors.

The NQMVL is maintained by the Materials & Research Division. The NQMVL is subject to change at			
the discretion of the Nebraska Department of Transportation.			
A4.2.1 Newly hired and temporary project inspection staff, Page 28-A-2			
Removed: sight and sound			
Added: direct communication access			
Appendix A, Sampling and Testing Personnel Qualification Program			
A5.1 Documentation, Page 28-A-2			
Removed: SiteManager			
Added: AWP			
Table A1, Test Methods for Qualification of Sampling and Testing Personnel			
ACI Concrete Strength Testing Technician, Page 28-A-5			
Removed: SiteManager			
Added: AWP			
 Maturity Curve Method of Development, Page 28-A-5			
 Removed: SiteManager			
Added: AWP			
ACI Concrete Field Testing Technician, Page 28-A-6			
Removed: SiteManager			
Added: AWP			
Concrete Plant Technician, Page 28-A-6			
Removed: SiteManager			
Added: AWP			
Concrete Field Inspector/General Handling of Concrete, Page 28-A-7			
Removed: SiteManager			
Added: AWP			
Maturity Method Field Monitoring, Page 28-A-7			
Removed: SiteManager			
Added: AWP			
Profilograph Operator, Page 28-A-8			
Removed: SiteManager			
Added: AWP			
Portland Cement Sampler, Page 28-A-8			
Removed: SiteManager			
Added: AWP			
Earthwork Technician II, Page 28-A-9			
Removed: SiteManager			
Added: AWP			
 Earthwork Technician I, Page 28-A-9			
 Removed: SiteManager			

	Added: AWP
Asphalt Conc	rete Technician, Page 28-A-10
7 toprian cone	Removed: SiteManager
	Added: AWP
PG Binder/Fr	nulsion Sample Technician, Page 28-A-11
T O Billidely El	Removed: SiteManager
	Added: AWP
Asphaltic Fiel	d Technician I, Page 28-A-11
	Removed: SiteManager
	Added: AWP
Asphaltic Fiel	d Technician II, Page 28-A-11
	Removed: SiteManager
	Added: AWP
Concrete Fiel	d Inspector/General Handling of Concrete Provisional Certification, Page 28-A-12
	Removed: SiteManager
	Added: AWP
Soil/Aggregat	e Technician Provisional Certification, Page 28-A-12
	Removed: SiteManager
	Added: AWP
Asphaltic Tec	hnician Provisional Certification, Page 28-A-12
	Removed: SiteManager
	Added: AWP
Asphaltic Cor	ncrete Technician Provisional Certification. Page 28-A-13
	Removed: SiteManager
	Added: AWP
	Concrete Plant Inspection – NDOT Inspector
Materials and	Research Inspectors, Page 29-3
	Removed: SiteManager
	d Interground/Blended Cements
Certified Mill	Analysis, Page 29-9
	Removed: Approved Products List
	Added: Nebraska Qualified Material Vendors List
	Removed: Approved Products List
	Added: Nebraska Qualified Material Vendors List
	Removed: APL
	Added: NQMVL

	Option 1, Page 29-9		
	Removed: The 10-pound sample will be tested at the NDOT central laboratory.		
	Added: for Portland cement or fifteen pound sample for IP, IS or IT. The sample will be tested at the NDOT central laboratory		
	Option 1, 2, B, iii, Page 29-9		
	Removed: at 28 days		
	Added: or AASHTO T380		
	Sampling From Bulk Shipment Railroad Car, Truck, or Batch Plant Silo, Page 29-11		
	Removed: NDOR		
	Added: NDOT		
	Quality Control of Portland Cement, Page 29-11		
	Removed: Quality Control of Portland Cement table		
	Added: Quality Control of Portland Cement table		
	Quality Assurance of Interground/Blended Cement, Page 29-12		
	Removed: Quality Assurance of Interground/Blended Cement		
	Added: Quality Assurance of Interground/Blended Cement		
Policy 7, Policy for	r Certification of Ready Mix Plants		
	National Ready Mixed Concrete Association Plant Certification		
	Removed: SiteManager		
	Added: AWP		
	oncerning Concrete and Precast Pipe Plant Certification Including Testing, Inspection and Approval of Reinforced Concrete		
Culvert and Sewe	r Pipe and Concrete Flared-End Sections		
	General, Page 29-21		
	Removed: APL		
	Added: NQMVL		
	Disqualification of a Concrete Pipe/Precast Manufacturer, Page 29-22		
	Removed: APL		
1	Added: NQMVL		