



M&R 2010-11 Updates

Project Manager Conference



Presentation Outline



M&R Website News

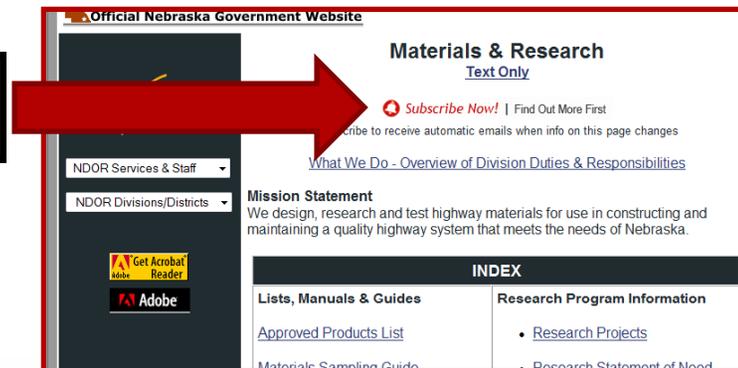
SiteManager Materials Management



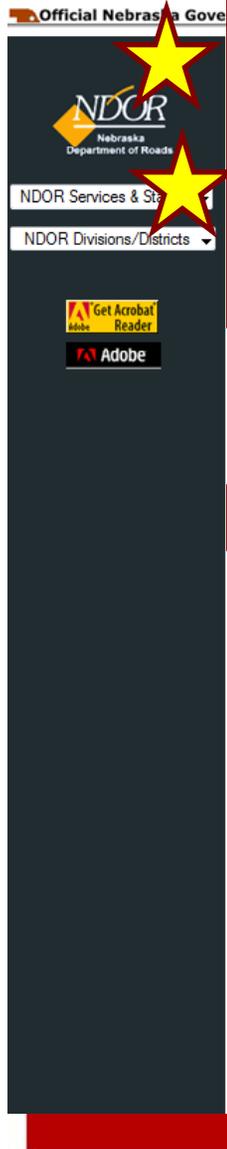
M&R Website News

New M&R Webpage Features

- Receive Automatic Updates When Websites Change
 - M&R Main Web Page
 - Materials Sampling Guide
 - Approved Products List
 - Material Management Guidance (New)
- Internal and External Users can sign up to be notified when these webpages change.



New M&R Webpage Features



Lists, Manuals & Guides <ul style="list-style-type: none">Approved Products ListMaterials Sampling GuideMaterials Management GuidancePaving SpotsSiteManager Active Materials List	Nebraska Qualified Material Venders List <ul style="list-style-type: none">Asphalt Producers ListRock & Gravel Producers ListReady Mix Producers ListReinforced Concrete Pipe and Flared End Section Manufacturers
Laboratory Quality System Manual	Nebraska Qualified Consultant & LPA Laboratories/Manual <ul style="list-style-type: none">Qualified Consultant LaboratoriesLaboratory Qualification Manual
Pavement Condition (Surface Distress) Manual	
Standard Test Methods Manual	Research Program Information <ul style="list-style-type: none">Research ProjectsResearch Statement of Need Form
Pavement Management Systems Manual	
Geotechnical Policy & Procedures Manual	
Pavement Design Manual <ul style="list-style-type: none">Determination Data Sheet for LPA	Training Videos & Tutorials <ul style="list-style-type: none">M&R Division PresentationsCommunication Division Training Videos & Tutorials
Pavement Optimization Program - User Guide	
FHWA - High Performance Concrete Exchange	



Approved Products List (APL) Webpage

SAME INFORMATION!!!
New look, lower resolution....

Before

Official Nebraska Government Website

Approved Products List
[Text Only](#)

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The products on this list are prequalified for use on Nebraska Department of Roads Construction and Maintenance projects. Inclusion of a product on this list does not imply that the product meets any or all applicable requirements, refer to the project plans and specifications for the appropriate product for each application.

Traffic Safety Products | Construction Products

Click the Drop Down Lists for APPROVED PRODUCTS LIST

Questions/Comments? Call or e-mail: [Doug Churchwell](mailto:Doug.Churchwell@ndor.gov) at 402-479-4678

(To best view this page, Go to "View", "Text Size", Select "Smaller")

Click Here for [Site Map](#) (To View Entire APL) | Click Here to [Download](#) (Entire APL as a ZIP File)

Approved Products Forms, - Materials and Research Policies & Info

- [New Product Evaluation Form](#)
- [New Product Evaluation Flow Chart](#)
- [APL Removal and Reinstatement Policy](#)
- [Erosion and Sediment Control Approval Procedures](#)

Items Removed

- [2011\(to date\)](#)
- [2010](#)
- [2009](#)

After

Official Nebraska Government Website

Approved Products List
[Text Only](#)

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The products on this list are prequalified for use on Nebraska Department of Roads Construction and Maintenance projects. Inclusion of a product on this list does not imply that the product meets any or all applicable requirements, refer to the project plans and specifications for the appropriate product for each application.

Traffic Safety Products | Construction Products

Click the Drop Down Lists to the Left

Concrete
Asphalt
Erosion Control
Geosynthetics
MSE Walls
Paint Systems
Electrical Conduits and Duct Systems
Pavement Sub-Base Stabilization
Post-Applied Coatings-Corrugated Metal Pipe
Aluminum Filled-Resilient Sealing Compounds
Prefabricated Cast Steel Pile Points
Detectable Warning Panels
Flexible Pipe Joints
Culvert Repair Liner Systems
Polymer Composite Offset Blocks for Guardrail
Impact Attenuators
Hot Pour Sealers

Click Here to [Download](#) (Entire APL as a ZIP File)

Materials and Research Policies & Procedures

Concrete

Materials Standard Operating Procedures

- [Reinforced Concrete Pipe & Flared End Sections](#)
- [Aggregate](#)
- [Concrete Placement](#)

SiteManager Materials Management Training Videos

Asphalt

Materials Standard Operating Procedures

- [Aggregates](#)
- [Mix Design](#)
- [SuperPave Spreadsheet](#)
- [Certified Asphalt Concrete Test Technicians](#)

SiteManager Materials Management Training Videos

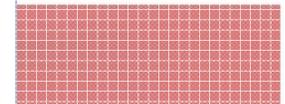
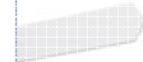
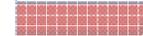
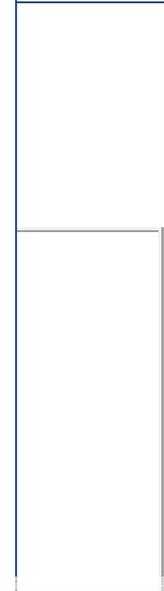
Soils

Materials Standard Operating Procedures

- [Nuclear Density Test for Soils](#)
- [Moisture Calculation and Correction for Soils](#)
- [Volumetric Balloon Test](#)

SiteManager Materials Management Training Videos

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NDOR Services & Staff

NDOR Divisions/Districts

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[Return to Materials & Research Main Page](#)





2010-2011

SiteManager Materials Management

SiteManager Materials Management



Clarification

Material Implementation Status

Required Documents List (RDL)



Clarification

- M&R Division provides a RDL to the
 - Project Manager and contractor for each state project
 - NDOR State Representative and contractor for each LPA project
- RDL is based on the contract quantities
 - Includes requirements for materials whether implemented in SiteManager or NOT
 - is not updated during the life of the project

SiteManager Active Materials List



Clarification

- This List is available on the M&R Webpage
 - Identifies which materials should be documented using SiteManager Materials Management
- For Materials not implemented in SiteManager yet:
 - On State Projects use the DR Form 12 Sample Identification Form
 - On LPA Projects use DR 531 Sample Identification Form

SiteManager Sampling Check List



- Sampling Checklist is generated from SiteManager
 - Displays the pay items in your contract with a material requirements
- Run the Sampling Checklist before you run Estimates to make sure material discrepancies are justified.

Clarification

SiteManager RTF Report		State of Nebraska Department of Roads		Report Date: October 25, 2010							
Process ID: RMMSMPCL Report Version: 10212010 Test Meth: N/A		Materials & Research 1400 Hwy 2 Lincoln, NE 68502									
Sampling Checklist											
Contract ID: 0640 Location: STATEWIDE ADVANCE BEACON Type of Work: MISCELLANEOUS Vendor ID: 0120		Federal/State Project: STPP-STWD(S2) County: ADAMS Vendor Name: DOMINION CONSTRUCTION COMPANY		Route: 006							
DISCLAIMER: Material sampling requirements on the Sampling Checklist may not represent the actual number of samples required. Please refer to the project contract and the Materials Sampling Guide to make sure all material requirements are met.											
Project	Line Item	Item Code	Item Description	Unit	Bid + CO Qty	Qty Reported To Date	Qty Authorized To Date	Installed Qty			
Material											
Producer / Supplier											
						Test Description	Cur Req	Tot Tks	Tot Cmp	Tot Req	Tot Rem
00640 000	0001	0001.08	BARRICADE, TYPE II	BDAY	675.000	162.000	162.000	162.000	162.000		
422RS - Reflective Sheeting = P0127 - TrafCon						Reflective Sheeting - Field	1	0	1	1	0
00640 000	0007	A006.84	PEDESTAL POLE, TYPE PP-10	EACH	15.000	15.000	15.000	15.000	15.000		
1002PCC - Portland Cement Concrete						PCC Laboratory Performed Test (8x12) - Central Lab	1	0	0	1	1
RM0005 - Alliance-Bauer Pre-Mix, Inc.						PCC Plant and Field Performed Test	1	0	0	1	1
RM0054 - Holdrege-Advantage Building Supply, Inc.						PCC Laboratory Performed Test (8x12) - Central Lab	1	0	0	1	1
RM0093 - Omaha-Ready Mixed Concrete Company Millard						PCC Plant and Field Performed Test	1	0	0	1	1

Reasons for Material Discrepancies



Clarification

- A required sample record has not been created to represent the material
 - **BE SURE TO KEEP UP WITH YOUR SAMPLE RECORDS DAILY!!!!**
- A material sample record is not authorized
 - If the SiteManager material name is followed by the α symbol then the material can be authorized by field personnel.
 - If there is no symbol behind the SiteManager material name, then laboratory personnel will authorize the sample record when all testing has been completed.
- A material that will not be used, still appears on the Sampling Checklist
 - Notify Dave Hall of M&R as soon as you know a material on the Sampling Checklist will not be used.

Basic Sample Data Tab: Sampler & Producer/Supplier Field



Clarification

File Edit Services Window Help

Maintain Sample Information

Basic Sample Data

Smpl ID: 1109032

Revised By:

Link To:

Smpl Type:

Material:

Sampler:

P/S:

Type: City:

Prod Nm:

Mnfctr:

Town:

Intd Use:

Repr Qty:

Auth By:

Our Report to FHWA depends on it!!!!

Be sure to enter the qualified technician who performed material sampling/testing in the field here.

PCC Proportioning Report-ACI PCC Level 1

The material you enter, must match exactly to the sampling checklist. If the producer/supplier on your contract is not available in this field notify Dave Hall or Rhonda DeButts.

Test Tab: PCC Proportioning Report



Clarification

PCC Plant and Field Performed Tests

NDOR M&R
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110113

Target Weight of Cement per C.Y. _____ lbs

Certified Ready Mix Plant Inspector: _____

Batch Weight / Lbs						Wet Weight Aggregate		Portland Cement
Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	Fine	Coarse		
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____

Specific Gravity
Enter 1 if Not Used

Cement	Fly Ash	Silica Fume	GGBS	Finer	A		
1.00	1.00	1.00	1.00	1.00	1.00	_____	_____
1.00	1.00	1.00	1.00	1.00	1.00	_____	_____

Water at Job	Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
_____ gal	_____	_____	_____	_____
_____ gal	_____	_____	_____	_____

Time	% Air	Slump	Unit Weight	Calc. Unit Weight	Concrete Temp
00:00	_____	_____ in	_____ lb	_____	_____ F
00:00	_____	_____ in	_____ lb	0.00	_____ F

Admixture	Admixtures Per 100 lbs of Cement Qty-oz	Admixture	Qty-oz
_____	_____	_____	_____
_____	_____	_____	_____

Concrete Structure	Group	Required	Used	Wasted	Required PSI
_____	_____	_____ .0 CY	_____ .0	_____ .0	_____
_____	_____	_____ .0 CY	_____ .0	_____ .0	_____

Stationing (Required)

Method of Cure	Work Cylinders
_____	_____

Comments: _____

Be sure to enter the NDOR PCC Plant Inspector Level 2 technician here.

Plant Location and Class

Silica Fume

Slag

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

SiteManager Materials Management



Clarification

Material Implementation Status

New in 2010-2011



Implementation Status

- Manufacturer Buy America Requirements
- Reinforcing Steel
- Reinforced Concrete Pipe (RCP) & Flared End Section (FES)
- Asphalt
 - Binder
 - Aggregates
 - Mix Design
 - Contractor Test Technician

Spring/Summer 2011



Implementation Status

- Soil Density
 - Nuclear Gauge, Moisture & Correlation, Balloon Test
- Asphalt
 - Random Test Schedule
 - Revise Technician Template
 - Revise SuperPave Spreadsheet documentation process.
 - **PM's remember to send this CD to Larry Koves!!!**

Spring/Summer 2011



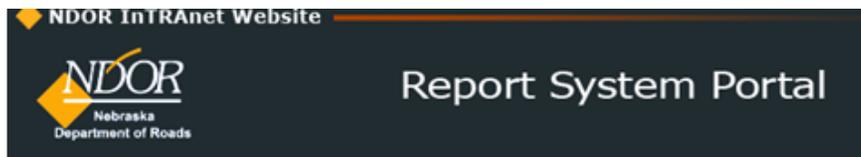
Implementation Status

- Smoothness
 - Remember to contact M&R (Ron Bohling) to schedule smoothness testing
- Concrete Proportioning Report Revision
 - Adding a field to document Certified NDOR Level 2 Plant Inspector

LPA Projects



CE contracts are in Falcon under
Local Projects Environment



A new report titled "LPA Report" is available for your use

This report summarizes Project Contacts assigned to each
LPA Projects that has been awarded

<https://drcecpd/crystalportal/>

Q&A



THANK YOU