

STATE OF NEBRASKA  
Minutes of the  
Board of Public Roads Classifications and Standards

April 21, 2017

Nebraska Department of Roads'  
Central Headquarters Building Auditorium, Room 139A  
1500 Highway 2, Lincoln, Nebraska

Meeting and Hearings Notices:

- Statewide news release emailed and posted on Nebraska Department of Roads' website April 11, 2017.
- Event posted on the State of Nebraska website (Public Meeting Calendar) April 11, 2017
- Tentative agenda emailed to each board member and interested persons April 11, 2017.
- Meeting agenda kept current and on public display in Liaison Services Section, Room 123B, Nebraska Department of Roads, 1400 Highway 2, Lincoln, Nebraska.
- Meeting agenda posted in the main entrance of the Nebraska Department of Roads' 1500 Highway 2 building, April 21, 2017.
- Relaxation of Standards hearing notice emailed to NDOR, Wayne County, and the City of Omaha, April 11, 2017.

Board members present:

Roger Figard, Lincoln, Chairman  
James A. Litchfield, Wakefield, Vice Chairman  
Barbara Keegan, Alliance  
John F. Krager, Omaha  
Lisa Kramer, Kennard  
Mick Syslo, Lincoln  
David Wacker, Hastings  
Timothy W. Weander, Omaha  
Edward R. Wootton, Sr., Bellevue

Board members absent:

LeRoy G. Gerrard, Stromsburg  
Darold E. Tagge, Holdrege

Staff members present:

LeMoyne D. Schulz, Board Secretary & Highway Local Liaison Coordinator, NDOR, Lincoln  
Barbara Hasterlo, Office Associate, Liaison Services Sect., Nebraska LTAP/NDOR, Lincoln  
Dennis R. Smith, Program Coordinator, Liaison Services Sect., Nebraska LTAP/NDOR,  
Lincoln.

Others in attendance:

Jodi Gibson, Materials and Research Division, Highway Local Project and Research  
Administration, NDOR, Lincoln  
Erich Strack, Government Affairs Office, Legislative Coordinator, NDOR, Lincoln

Douglas Hart, Cheyenne County Highway Superintendent  
Steve Riehle, Hall County Engineer  
Bill Cook, Nebraska Concrete Paving Association, Lincoln  
Joe Haines, Roadway Design, Nebraska Department of Roads  
Brendon Schmidt, Roadway Design, Nebraska Department of Roads  
Doug Pillard, Roadway Design, Nebraska Department of Roads  
Mike Owen, Roadway Design Division, Nebraska Department of Roads  
Kyle Zillig, Bridge Division, Nebraska Department of Roads  
Mark Casey, Wayne County Highway Superintendent  
Randy Larson, Wayne County Board of Commissioners  
Mark Mainelli, Mainelli-Wagner Associates, for Wayne County  
Josh Keithley, Mainelli-Wagner Associates, for Wayne County  
Jim Wilkinson, P.E., Yankee Hill Solutions, LLC, Lincoln, NE

\* \* \* \* \*

Chairman Figard called the meeting to order at 9:00 a.m. The meeting was open to the public.

\* \* \* \* \*

Chairman Figard made the following announcements in compliance with the Open Meetings Act.

- A copy of the Open Meetings Act is available for inspection and is posted by the entrance to this room.
- The Meeting Agenda and a copy of all materials that were provided to the Board Members, prior to the start of this meeting, are available on the table by the entrance to this room.
- A sign in sheet is available. Visitors are not required to sign, but are encouraged to do so.

\* \* \* \* \*

Mr. Schulz noted the following changes from the originally published agenda noted in 'red' on the revised agenda updated April 20, 2017, as follows:

- Added:** Consideration of suspension of Highway Allocation funds for Central City, and the villages of Harvard, Maskell and Steele City.
- Added:** Corrected Work Type and surface type for Cheyenne County revision.
- Added:** Corrected Work Type for Phelps County revision.
- Added:** Hall County revision.
- Added:** Postponement of City of Omaha, Relaxation of Standards to the next meeting, upon receipt of additional information.
- Added:** Response to a Lancaster County Request for an Interpretation of Standards
- Additional:** 2016-2017 Annual Reports received, reducing the number of delinquent municipal reports to five (5).
- Additional:** 2017 One- and Six-Year Plans received, reducing the number of delinquent municipal plans to 11.

\* \* \* \* \*

Mr. Wootton moved to approve the January 20, 2017 meeting minutes, as revised. The draft January 20, 2017 NBCS minutes (page 2) were revised on April 21, 2017 as follows:

- “Mr. Tagge moved to **accept** the corrected Scotts Bluff County 2015- 2016 SSAR, Forms 1 and 2”; and,
- “Twenty-Four (24) **municipal** reports are recommended for acceptance.”

Mr. Krager seconded the motion. Members Keegan, Krager, Kramer, Litchfield, Syslo, Wacker, Weander, Wootton and Figard voted YES. Members Gerrard and Tagge were absent. The motion carried.

\* \* \* \* \*

The board considered the status of the submission of the 2016 – 2017 Standardized System of Annual Reports.

- A total of 93 County, 524 Municipal and the Nebraska Department of Roads’ Reports have been received.
- Twelve (12) County, twenty-four (24) Municipal, and Nebraska Department of Roads’ Reports were accepted at the previous meeting.
- Eighty-one (81) County and 500 Municipal reports are recommended for acceptance.
- Four (4) Municipalities have not submitted a Report: Central City, Harvard, Maskell and Steele City. The reports have been delinquent since January 1, 2017. The Municipalities have been notified of the delinquency.
- One (1) Municipality has not submitted a Report: Omaha. The report has been delinquent since April 1, 2017.

Mr. Wootton moved to accept the Status Report of the Standardized System of Annual Reports for 2016 – 2017, as presented. Mr. Weander seconded the motion. Members Keegan, Krager, Kramer, Litchfield, Syslo, Wacker, Weander, Wootton and Figard voted YES. Members Gerrard and Tagge were absent. The motion carried.

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Mr. Wootton moved to suspend Highway Allocation Funds to Central City, Harvard, Maskell and Steele City, in accordance with Neb. Rev. Stat. Sec. 39-2121. Ms. Keegan seconded the motion. Members Keegan, Krager, Kramer, Litchfield, Syslo, Wacker, Weander, Wootton and Figard voted YES. Members Gerrard and Tagge were absent. The motion carried. *(Suspension of Highway Allocation Funds began with the May distribution.) (Notification letters were sent May 1, 2017. Central City (5-1-17) and Steele City (4-21-17) averted suspension by submitting a report.) (See Attachment #1, letter of notice to Harvard & Maskell.)*

\* \* \* \* \*

The board considered the status of the submission of the 2017 One- and Six-Year Plans.

- Eighty-Three (83) County and 518 Municipal Plans have been received.
- One (1) County and 19 Municipal One-and Six-Year Plans were accepted at the previous meeting.
- Eighty-two (82) County and 499 Municipal One- and Six-Year Plans are recommended for acceptance.
- Five (5) Counties have not submitted a Plan: Furnas, Lancaster, Loup, Madison and Seward. The Plans have been delinquent since March 2, 2017.
- Eleven (11) Municipalities have not submitted a Plan: Farwell, Harvard, Maskell, Naper, Omaha, Platte Center, Roca, Seward, Table Rock, Whitney and Winslow. The Plans have been delinquent since March 2, 2017.

Mr. Wootton moved to accept the Status Report of the 2017 One- and Six-Year Plans as presented. Mr. Krager seconded the motion. Members Keegan, Krager, Kramer, Litchfield, Syslo, Wacker, Weander, Wootton and Figard voted YES. Members Gerrard and Tagge were absent. The motion carried.

\* \* \* \* \*

The board considered the Cheyenne County One- and Six-Year Plan revision adding County Work/Project Nos. C-17(177), C-17 (179) and C-17(186) to the 2016 One-Year Plan. A copy of County Resolution No. 2017-4, adopted February 6, 2017, was received from the appointed County Highway Superintendent on February 27, 2017. Mr. Hart presented the request.

Project No. C-17(177) consists of Work Type N & R, replace Bridge No. C001727510 with a culvert on a Local road. The estimated cost is \$43,000 (County Funding \$10,000 and State Funding \$33,000).

Project No. C-17(179), Work Type 3R, asphalt surfacing on an existing graveled surfaced (formerly asphalt surfaced) Major Collector/Other Arterial road. The estimated cost is \$900,000 (County Funding).

Project No. C-17 (186), Work Type N & R, replace Bridge No. C001743705P with a culvert on a Local road. The estimated cost is \$365,000 (County Funding).

Mr. Wootton moved to accept the Cheyenne County revisions, contingent upon the County submitting an amended NBCS Work/Plan Interim Forms for projects C-17(177), C-17(179) and C-17(186). Mr. Krager seconded the motion. Members Keegan, Krager, Kramer, Litchfield, Syslo, Wacker, Weander, Wootton and Figard voted YES. Members Gerrard and Tagge were absent. The motion carried. *(The amended Work/Project Interim Forms for C-17(177), C-7(179) and C-17(186) received on April 24, 2017).*

\* \* \* \* \*

The board considered the Hall County One- and Six-Year Plan revision adding County Project Nos. C-40(457), C-40(458), C-40(459) and C-40(460) to the 2016 One-Year Plan. A copy of a County Resolution No.16-064, adopted September 6, 2016, was received on April 18, 2017. Mr. Riehle presented the request.

Project C-40 (457), Work Type N & R, improve approach to railroad crossing on an existing gravel surfaced local road. The estimated cost is \$10,000 (County Funding \$1,000 and State Funding \$9,000).

Project C-40(458), C-40(459) & C-40(460), Work Type 3R, asphalt surfacing on existing asphalt surfaced Major Collector/Other Arterial roads. The total estimated cost is \$378,000 (County Funding).

Mr. Wacker moved to accept the Hall County revisions, contingent upon clarification of the Traveled Way Width (rather than the Lane Width, which was indicated on the Work Project Form). Mr. Wootton seconded the motion. Members Keegan, Krager, Kramer, Litchfield, Syslo, Wacker, Weander, Wootton and Figard voted YES. Members Gerrard and Tagge were absent. The motion carried. *(The amended Work/Project Interim Forms for C-40(457), C-40(458), C-40(459) and C-40(460) received on May 16, 2017).*

\* \* \* \* \*

The Board considered the Phelps County One- and Six-Year Plan revision adding County Project No. C-69(0878) to the 2017 One Year Plan. A copy of County Resolution No. 17-6, adopted February 7, 2017, was received on March 2, 2017.

The project consists of Work Type N & R, replace Bridge No. C006902225 with a culvert on a Local road. The estimated cost is \$25,000 (County Funding). No one was present to present the request.

Mr. Wootton moved to accept the Phelps County revision. Mr. Litchfield seconded the motion. Members Keegan, Krager, Kramer, Litchfield, Syslo, Wacker, Weander, Wootton and Figard voted YES. Members Gerrard and Tagge were absent. The motion carried.

\* \* \* \* \*

At 9:33 a.m., the Board heard the NDOR request for Relaxation of Minimum Design Standards for Project No. STP-14-4(109), C.N. 31510, Niobrara South Bridge. *(The hearing was held in an informal format, NDOR having declined the option of a formal hearing.)* The request is for a Relaxation of the 428 NAC 2-001.02F, New and Reconstructed Rural-State Highway System—Maximum Grade, as specified in its March 8, 2017 letter. Mr. Pillard and Mr. Haines presented the request. No one appeared in opposition. The hearing concluded at 9:55 a.m. The Board considered the request.

Mr. Wootton moved to grant the NDOR Relaxation request in whole, in view of the peculiar, special or unique local situation presented, whereby the application of a specific Minimum Design Standard would work a special hardship. Ms. Keegan seconded the motion. Members Keegan, Krager, Kramer, Litchfield, Syslo, Weander, Wootton and Figard voted YES. Member Wacker voted NO. Members Gerrard and Tagge were absent. The motion carried with the requisite majority vote.

\* \* \* \* \*

At 9:57 a.m., the Board heard the Wayne County request for Relaxation of Minimum Design Standards for County Project No. C-90(620). (*The hearing was held in an informal format, Wayne County having declined the option of a formal hearing.*) The request is for a Relaxation of the 428 NAC 2-001.03J, New and Reconstructed – County Road – Design Speed and Radius of Horizontal Curve, as specified in its March 16, 2017 letter, and submitted with Wayne County Resolution No. 17-04, adopted March 21, 2017 and received April 19, 2017. Mr. Mainelli, Mr. Keithley, Mr. Casey and Mr. Larson presented the request. No one appeared in opposition. The hearing concluded at 10:11 a.m. The Board considered the request.

Mr. Wootton moved to grant the Wayne County Relaxation request in whole, in view of the peculiar, special or unique local situation presented, whereby the application of a specific Minimum Design Standard would work a special hardship. Mr. Litchfield seconded the motion. Members Keegan, Krager, Kramer, Litchfield, Syslo, Wacker, Weander, Wootton and Figard voted YES. Members Gerrard and Tagge were absent. The motion carried with the requisite majority vote.

\* \* \* \* \*

Update on revision of 428 NAC 3, Annual Reporting of One- and Six-Year Plans and 428 NAC 4, Standardized System of Annual Reporting Regulations. The latest copy of the proposed Work/Project Interim Form showing changes made since the Highway Superintendents (2016) Winter Meeting, and later distributed at the Highway Superintendents (2017) Spring District meetings, was presented. (*See Attachment #2.*)

\* \* \* \* \*

Other business:

- Mr. Strack provided a state and federal Legislative Report.
- Discussion of 2017 Proposed Work Plan. Chairman Figard will work on during next few months.
- Interlocal Agreement between the City of Grand Island and Grand Island Public Schools for Adams Street paving, received April 4, 2017.
- Interlocal Agreement between the City of Grand Island and Hall County for asphalt road resurfacing, received April 4, 2017
- Interlocal Agreement between the City of Grand Island and NDOR for Highway 281 improvements, received April 4, 2017.

\* \* \* \* \*

Mr. Schulz reported the following correspondence and general information.

- Response to a Lancaster County Request for an Interpretation of 428 NAC 2 Regulations. (*See Attachment #3.*)

- Board members received the League of Nebraska Municipalities, Utilities Section Newsletter, County Highway/City Street Superintendent Licensing Training Updated, Written by Dennis Smith, NDOR Liaison Services. Additional training and four (4) classes have been added to the county highway/city street superintendent Pre-Exam Workshop. Nebraska Association for County Officials (NACO) will soon publish a similar article. Training materials are available on the NDOR-Boards- Liaison Services website at <http://roads.nebraska.gov/business-center/lpa/boards-liaison/>
- Board members received a copy of a NDOR news release: *Roads Superintendents Receive Advanced Licenses*.
- Board members received a copy of the *Board of Examiners for County Highway and City Street Superintendents March 10, 2017 meeting minutes*.

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There were no Comments from the Audience.

\* \* \* \* \*

The next regular meeting will be held May 19, 2017 at 9:00 a.m., in the Nebraska Department of Roads' Central Headquarters Building Auditorium, Room 139A, 1500 Highway 2, Lincoln, Nebraska.

\* \* \* \* \*

There being no further agenda items, Chairman Figard adjourned the meeting at 10:55 a.m.

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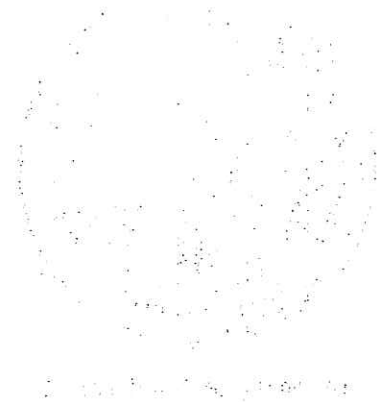
LeMoyne D. Schulz  
 Secretary for the Board  
<http://www.transportation.nebraska.gov/gov-aff/gov-aff-main.html>

# NEBRASKA

Good Life. Great Journey.

## DEPARTMENT OF ROADS

April 24, 2017



Mayor and City Council  
City of Harvard  
c/o Cassandra L. King, Harvard City Clerk  
309 N Clay Ave  
PO Box 542  
Harvard NE 68944

Dear Mayor and City Council Members:

The Board of Public Roads Classifications and Standards, at their regular meeting on April 21, 2017, voted to request that the State Treasurer suspend distribution of Highway-User Revenue to the **City of Harvard** for failure to submit the Standardized Annual Road, Street and Highway Program Financial Report and Budget for 2016-2017, if the report is still outstanding on May 1, 2017.

The penalty provision of 39-2121 Nebraska Revised Statutes provides that if any county or municipality fails to file such report on or before its due date, the Board shall notify the local governing board, the Governor, and the State Treasurer who shall suspend distribution of any Highway-User Revenue ("Highway Allocation Funds") allocated to such county or municipality until the report has been filed. Such funds shall be held in escrow for six months until the county or municipality complies. If the county or municipality complies within the six-month period, it shall receive the money in escrow, but after six months, if the county or municipality fails to comply, the money in the escrow account shall be lost to the county or municipality.

**Unless the report is submitted by May 1, 2017, a letter will be sent to State Treasurer Don Stenberg requesting suspension of Harvard's monthly allocation from that point forward.**

Sincerely,

LeMoyne D. Schulz  
Secretary for the Board

LDS/G1-K2

xc: Kevin Prior, City of Harvard City Street Supt.

File  
Kyle Schneeweis, P.E., Director

Department of Roads

Board of Public Roads Classifications and Standards  
1500 Highway 2 OFFICE 402-479-4436 FAX 402-479-3525  
PO Box 94759 DOR.ContactUs@nebraska.gov  
Lincoln, NE 68509-4759  
roads.nebraska.gov

Roger A. Figard  
Lincoln

LeRoy G. Gerrard  
Stromsburg

Barbara J. Keegan  
Alliance

John F. Krager, III  
Omaha

Lisa Kramer  
Kennard

James A. Litchfield  
Wakefield

Mick Syslo  
Lincoln

Darold E. Tagge  
Holdrege

David L. Wacker  
Hastings

Timothy W. Weander  
Omaha

Edward R. Wootton, Sr.  
Bellevue

LeMoyne D. Schulz  
Secretary - ex officio

Attachment No. 1

Page 1 of 2 Pages



# NEBRASKA

Good Life. Great Journey.

DEPARTMENT OF ROADS

April 24, 2017

Maskell Village Board  
c/o Jennifer Olson, Maskell Village Clerk  
203 Walnut St  
PO Box 542  
Maskell NE 68751

Dear Maskell Village Board Members:

The Board of Public Roads Classifications and Standards, at their regular meeting on April 21, 2017, voted to request that the State Treasurer suspend distribution of Highway-User Revenue to the Village of Maskell for failure to submit the Standardized Annual Road, Street and Highway Program Financial Report and Budget for 2016-2017, if the report is still outstanding on May 1, 2017.

The penalty provision of 39-2121 Nebraska Revised Statutes provides that if any county or municipality fails to file such report on or before its due date, the Board shall notify the local governing board, the Governor, and the State Treasurer who shall suspend distribution of any Highway-User Revenue ("Highway Allocation Funds") allocated to such county or municipality until the report has been filed. Such funds shall be held in escrow for six months until the county or municipality complies. If the county or municipality complies within the six-month period, it shall receive the money in escrow, but after six months, if the county or municipality fails to comply, the money in the escrow account shall be lost to the county or municipality.

**Unless the report is submitted by May 1, 2017, a letter will be sent to State Treasurer Don Stenberg requesting suspension of Maskell's monthly allocation from that point forward.**

Sincerely,



LeMoyne D. Schulz  
Secretary for the Board

LDS/G1-K3

xc: Keith Gilmore, Village of Maskell Street Supt.  
File

Kyle Schneweis, P.E., Director

Department of Roads

Board of Public Roads Classifications and Standards

1500 Highway 2

PO Box 94759

Lincoln, NE 68509-4759

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LeMoyne D. Schulz  
Secretary – ex officio

Attachment No. 1

Page 2 of 2 Pages

# One- And Six-Year Plan Highway, Road or Street Improvement Work/Project

<b>GENERAL INFO</b>	Name (County or Municipality): <span style="float: right;"><input type="checkbox"/> Existing W/P    <input type="checkbox"/> New W/P    <input type="checkbox"/> Revised W/P</span>									
	Work/Project (W/P) Number:			<b>Work/Project Length:</b>						
	Other Work/Project Number:			Control Number:						
	Interlocal Agreement: <input type="checkbox"/> Yes <input type="checkbox"/> No                      If Yes, Name of Other Entity:									
<b>REVISIONS</b>	<b>Location</b>									
	<b>Description:</b>									
<b>STDS</b>	If Revised W/P, Describe the Changes:									
	Notification of Revision of One-Year Plan? <input type="checkbox"/> Yes <input type="checkbox"/> No		If Yes, indicate reason(s):		<input type="checkbox"/> Revisions to the Work/Project <input type="checkbox"/> Emergency Work/Proj Needed <input type="checkbox"/> Additional Funding Available		<input type="checkbox"/> Other: (explain)			
<b>SPD</b>	<b>Functional Class</b> <b>National:</b>			<b>State:</b>						
	<b>Design Standards</b> Table 2-001.			<b>National Highway System:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No						
<b>TRAFF</b>	Design Speed:                      ___                      MPH                      Posted/Anticipated Speed =                      ___                      MPH									
	Avg Daily Traffic: (refer to 428 NAC 2-001.03B Note 7)	Initial Year (Completion of Work/Project)			Design Year (if IY ADT < 750 VPD, see instructions)					
Initial Year (IY)		IY VPD	IY Hvy Trucks %	Design Year (DY)	DY VPD	DY Hvy Trucks %				
<b>ROADWAY</b>	HIGHWAY, ROAD		EXISTING		PLANNED			PROPOSED IMPROVEMENT		
	OR STREET		Surface Type	Width (ft)	Width (ft)	Surface Type	Thickness (in)	Work Type *		
	Traveled Way:									
	Shoulders:									
Additional Explanation:										
* Abbreviations for Work Type : N&R = New or Reconstructed, 3R = Resurfacing, Restoration, Rehabilitation, Maint = Maintenance										
<b>BRIDGES/STRUCTURE</b>	BRIDGES AND STRUCTURES			EXISTING			PROPOSED IMPROVEMENT			
	Structure Number(s)			Structure	Condition **		Structure Type	Size	Design Loading and Work Type *	
	City/County - NBIS			Type	SR	SD				
						<input type="checkbox"/>	<input type="checkbox"/>			
					<input type="checkbox"/>	<input type="checkbox"/>				
					<input type="checkbox"/>	<input type="checkbox"/>				
** Abbreviations for Condition: SR = Sufficiency Rating (ranges from 0 to 100), SD = Structural Deficiency, FO = Functionally Obsolete										
<b>OTHER SCOPE</b>	Other Scope of Work:							<input type="checkbox"/> Remove Structure/Bridge (and not replace)		
	<input type="checkbox"/> Add Auxiliary Lane(s)		<input type="checkbox"/> Guardrail		<input type="checkbox"/> Other Utilities Work		<input type="checkbox"/> Bridge Re-deck			
	<input type="checkbox"/> Sidewalk/Trail		<input type="checkbox"/> Fencing		<input type="checkbox"/> Lighting		<input type="checkbox"/> Bridge Rail			
	<input type="checkbox"/> Removal of Roadside Obstacles		<input type="checkbox"/> Curb Work		<input type="checkbox"/> Traffic Control Devices		<input type="checkbox"/> Storm Sewer or Culverts			
	<input type="checkbox"/> Flatten Vertical Curve(s)		<input type="checkbox"/> Curb Ramp(s)		<input type="checkbox"/> Construction Detour		<input type="checkbox"/> Erosion Control			
<input type="checkbox"/> Other:										
<b>ANALYSES</b>	Drainage Study Completed for Structures/Drainage Facilities						Work/Project Relaxation of Standards Requested			
	<input type="checkbox"/> Yes <input type="checkbox"/> Pending <input type="checkbox"/> N/A						<input type="checkbox"/> Yes <input type="checkbox"/> Pending <input type="checkbox"/> N/A			
	Analyses Completed:						Other Benefit/Cost Analysis			
<input type="checkbox"/> Yes <input type="checkbox"/> Pending <input type="checkbox"/> N/A						<input type="checkbox"/> Yes <input type="checkbox"/> Pending <input type="checkbox"/> N/A				
Nebraska licensed engineer providing design and construction phases services: <input type="checkbox"/> Yes <input type="checkbox"/> No										
Construction Period (estimated):										
<b>FINANCIAL</b>	Other Funds to be Applied:		<input type="checkbox"/> Federal Fund Purchase Program		<input type="checkbox"/> State-Aid Bridge Fund		<input type="checkbox"/> Federal Funds thru NDOR			
			<input type="checkbox"/> LB960 County Bridge Match Program		<input type="checkbox"/> State Recreation Road Fund		<input type="checkbox"/> Other:			
	Estimated Costs (1,000)	County	Municipality	State	Federal	Other	Total			
Print Name:		Title:			Date: 3/13/2017					
Signature:										

The following instructions and the accompanying Work/Project form were developed by the NBCS to supplement the current 428 NAC 3-012, 013, 014, and NBCS Form 7 and NBCS Form 10 regulations, and provide guidance for the inclusion of the current 428 NAC 2 Minimum Standards into the 2017 One- and Six-Year Plan.

**001 GENERAL INSTRUCTIONS**

**001.01 REFERENCES TO THE MINIMUM DESIGN STANDARDS, TITLE 428, NEBRASKA ADMINISTRATIVE CODE (NAC), CHAPTER 2, SECTION 001** – Throughout these instructions, references to 428 NAC 2-001.03 apply only to county roads and municipal streets with a national functional classification of Minor Arterial, Major Collector, Minor Collector or Local. References to 428 NAC 2-001.02 apply only to State Highways, the National Highway System and to county roads and municipal streets with a national functional classification of Other Principal Arterial and greater.

**001.02 LEGIBILITY AND COMPLETENESS** – Legibility is important; submitted document shall be readable. Completeness is also essential; fill out completely. When submitting a revision to a work/project, be sure to review the entire form and make any other revisions as needed. Examples: a revision to surface thickness may cause a revision of work type, or a revision to traveled way width or shoulder width, may cause a revision of clear bridge width.

**001.03 ATTACHING ADDITIONAL INFORMATION** – If additional space is required, attach a separate sheet or sheets (single-sided only). On those separate sheet(s), along with the additional information, include the following identifying information:

- the work/project number,
- the county or municipality completing the form,
- appointed county highway or city street superintendent,
- person or firm who prepared the material (if different than the appointed county highway superintendent or city street superintendent), and
- Page number and total number of pages. Example: Page 1 of 3.

**001.04 ONE- AND SIX-YEAR HIGHWAY ROAD OR STREET IMPROVEMENT WORK/PROJECT FORM** – A separate form must be completed for each work/project.

**001.05 SCOPE OF WORK DESCRIPTION** – The intent of this form is to provide a comprehensive description of the scope of work.

**001.06 REPORTING OF A TOWNSHIP WORK/PROJECT** – Counties with a township form of government shall include township works/projects the same as if they are county works/projects.

**001.07 REPORTING OF FUNCTIONAL CLASSIFICATION** – If the work/project involves more than one national functional classification and/or more than one state functional classification, you must account for all functional classifications on the form.

**001.08 KEY ITEM REVISIONS** – The ***bold, italicized font*** on the form identifies items which, if their information or data is revised from the previous submittal to the NBCS, require checking the “Revision” check box at the top of the form.

## Schulz, LeMoynes

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**From:** Schulz, LeMoynes  
**Sent:** Thursday, April 20, 2017 4:16 PM  
**To:** James Wilkinson (jwilk8482@gmail.com); Figard, Roger  
**Subject:** Draft Response to Chad for your review

**Categories:** Orange Category

Chad:

See the Boards response in **red** type below.

The following sections from 428 NAC 2 are referenced in the response: 001.03A1b, 001.03A1e and 001.03B Note 22.

### 001.03A1b RECONSTRUCTION

Reconstruction refers to rebuilding a roadway, bridge, non-buried structure or culvert along an existing alignment. Reconstruction work normally involves a substantial construction effort to rebuild the existing facility. Design deficiencies and functional obsolescence of the roadway and structures, as well as the future traffic needs of the area, should be addressed. Typical work includes:

- removal of the entire surfacing or pavement and modifying or adding a base,
- paving (any thickness) an existing unpaved road,
- significant modifications to the roadway's existing horizontal and/or vertical alignment, including alignment shifts.
- adding through travel lanes to the roadway,
- replacement of bridges, non-buried structures and culverts, and
- lengthening (parallel to roadway alignment) bridges or non-buried structures.

While reconstruction approximately follows an existing road corridor, it may deviate significantly in width and alignment from the present road to achieve the work's purpose and need and the required geometric standards.

### 001.03A1e APPLICATION OF STANDARDS TO WORK SEGMENTS

These Minimum Design Standards do not require that a single category of Design Standard be applied to the entire length of a roadway. For example, work on a roadway may include a segment that is mill 2 inches and place 2 inches designed to Maintenance standards, a segment that is mill 4 inches place 4 inches designed to 3R standards and a segment where a bridge, non-buried structure, or culvert being replaced is designed to New and Reconstructed standards.

Attachment No. 3  
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22	For roads with ADT fewer than 400 VPD, where Rural Area standards apply, the roadway and roadside within the limits of the work on either side of a reconstructed or replacement bridge, non-buried structure, culvert, low water stream crossing or ford shall meet standards as defined in this regulation; however, the following need to meet New and Reconstructed standards only if (a) there is a significant crash history related to its respective criterion and (b) a cost effective analysis shows that user benefits are greater than the cost of meeting New and Reconstructed standards: lane width, shoulder width, horizontal curve radius, superelevation, K values, grade, stopping sight distance and horizontal clear zone.
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LeMoine Schulz  
Secretary for the Board

**From:** Chad S. Packard [<mailto:CPackard@lancaster.ne.gov>]  
**Sent:** Friday, April 14, 2017 4:10 PM  
**To:** DOR, BLS Help <[dor.blshelp@nebraska.gov](mailto:dor.blshelp@nebraska.gov)>  
**Cc:** Dingman, Pam <[pdingman@lancaster.ne.gov](mailto:pdingman@lancaster.ne.gov)>  
**Subject:** FW: Questions for the Board of Public Roads Classifications and Standards

Dear Members of the Board of Public Roads Classifications and Standards,

Over the last several years Lancaster County Engineering Department has been placed in the unfortunate position of necessitating the closure of several of its short span bridges due to scour related damage that has compromised the integrity of their primary supports and/or approaches. In an effort to return the availability of this critical infrastructure to the public we have implemented a comprehensive strategy for the systematic replacement of these unsound structures with Reinforced Concrete Box Culverts. It is the desire of Lancaster County to conduct these replacement projects in full compliance with the rules and regulations set forth in Nebraska Administrative Code Title 428. It is with this aspiration in mind that the clarification of the Board’s intent with respect to Bridge Only Replacement Projects as they relate to Title 428 is hereby requested as they pertain to the specific conditions enumerated below.

**For projects whose sole purpose is to be that of replacing an existing deficient Bridge, CBC or CMP with a structure designed to meet the “New and Reconstructed” minimum design standards:**

1. Is it allowable that the roadway geometry be transitioned from matching that of the fully compliant replacement structure to that of the pre-existing condition within reasonable limits of construction without the necessity for a “Relaxation of Standards Request” being brought before the Board **Yes, in this situation the limits of construction are determined by the local agency. Project length is not a standard criterion, and would not by itself generate a relaxation of standards request. Also see 428 NAC 2-001.03A1e.** or is it the intent of the Board that the entire mile of existing roadway also be redesigned to be in compliance with “New and Reconstructed” minimum design standards? **No.**
2. If the answer to question number one is that it is in fact the intent of the Board that the entire mile be reconstructed, is it allowable for the existing roadway geometry to be preserved but the road posted at a reduced speed so long as said posted speed is greater than or equal to 40 mph , “New and Reconstructed” minimum design standards are met at the posted speed, and the National Functional classification of the segment of roadway is that of “Local” or “Minor Collector”, regardless of ADT? Does this require a “Relaxation of Standards Request”? If so, what information will the Board deem sufficient to satisfy a request to post a segment of roadway at a reduced speed? **See answer to number 1 above.**
3. The cost-benefit spreadsheet exhibited in the power point presentation of the Title 428 roll-out presented by Jim Wilkinson will never show an improvement to not be cost effective if any sort of accident, even minimal occurrence non-injury accidents, have been documented in a sites history. However, I do not believe this to be the intent of the Board when requiring a cost benefit analysis be submitted as a component of a request for

relaxation. Is referencing the accident history for a finite period of time in the cost benefit analysis, such as the last 5 years, or no cost benefit analysis being required for sites where all accidents have been of limited severity, such as property damage or minor injury only, a reasonable interpretation of intent? *What was stated at the January 2016 training was an example, the 428 Minimum Standards are silent on the actual methodology. It is the county's responsibility to decide on an appropriate cost-benefit analysis method relative to risk, crash data, evaluation of crashes, etc. Replacement of bridges, non-buried structures, and culverts is considered Reconstruction; refer to 428 NAC 2-001.03A1b. A cost-effective analysis is not required for New and Reconstructed work, with the possible exception of satisfying the conditions of 428 NAC 2-001.03B Note 22.*

Thank you very much for any insight the Board can share with us.

Chad Packard  
Lancaster County Engineering Department  
Bridge Engineer