

Schulz, LeMoyne

From: Brendan Lilley <blilley@kirkham.com>
Sent: Thursday, May 10, 2012 9:35 AM
To: Schulz, LeMoyne
Cc: Boone County Hwy Supt - Thorin
Subject: Petersburg NE relaxation requests
Attachments: 31535 relaxation request roa3.pdf

LeMoyne:

Attached is the first of 2 relaxation request packets for your May 18 meeting. The ADA and foreslopes have been addressed, per your conversation with Darrel Thorin.

If you need anything else please give Darrel or me a call. 2nd email to follow....

Thank you,
Brendan

Brendan Lilley

402-362-7117 phone
402-366-1869 cell
402-362-3798 fax
blilley@kirkham.com



Arizona • Iowa • Kansas • Nebraska

<http://www.kirkham.com>



Nebraska Department of Roads

Memorandum

DATE May 2, 2012

TO Randy D. Peters, Deputy Director of Engineering

FROM Brayden McLaughlin LPD Project Coordinator

THRU LARRY Legg, Secondary Roads Engineer
 Jim Wilkinson, Local Projects Division Engineer
 Jim Knott, Roadway Design Engineer

Randy D. Peters

Brayden McLaughlin

LARRY Legg 5/2/12

Jim Wilkinson 5/2/12

Jim Knott 5/2/12

SUBJECT **Request for Design Relaxation of Minimum Design Standards**
 Project No. STPE-2532(1)
 Control No 31535
 Location Name: Petersburg Northeast
 FY2012 OA Challenge Project- STP

Attached is a Request for Relaxations of Minimum Design Standards for the above mentioned project from Boone County. Please review the request, comment as needed on the back of this memo, approve and sign as appropriate.

Your timeliness is appreciated.

Thank you

Attachments: Request for Relaxation Letter from the County
 Project Location Maps
 Aerial Photo
 Typical Section of Construction
 County Resolution

cc: Project File

NDOR Comments

Local Project Coordinator Approve Deny

LPA cannot meet all design standards without nullifying the Categorical Exclusion document and the CE cannot be revised in time to process this project before STP funds expire due to the Federal Funds Purchase Program. Given these time constraints, I recommend that the board waive the standards for this project

Local Projects Section Head Approve Deny

Project exceeds the recommendations in TRB SR 214 that recommend an overall lane & shoulder widths of 12' with a proposed width of 13'. The improvement is SSD & the improvement in cross slope mitigates the requested relaxations.

Local Project Division Head Approve Deny

JF 5/2/2012

Roadway Design Engineer Approve Deny

Shoulder width - AASHTO manual is misapplied as this not a local road (NFS), it is a collector or it would not be eligible for Federal funds. AASHTO guidance for this (50mph) roadway is 10' lanes and 2' shoulders (see table 6-5) a total of 14 feet each side of rd. - :: OK
Fore slopes - By definition the Fixed Obstacle Clearance required in the standards is not a lateral clear zone, the title of the typical is "typical Section" not minimum standard. For a slope to be retained a cost effective analysis should demonstrate that it is not cost effective to flatten the slopes. Although an analysis is not referenced, engineer judgement indicates

Deputy Director Approve Deny

that, with an ADT of 235, it would not be cost effective to Flatten the fore slopes :: OK

Vertical Alignment; SSD - OK ; ISD - not a minimum standard.

Horizontal Alignment - 500' Radius for 40 mph; the warning signs are appropriate mitigation, however, with the lane width and shoulder width in mind, I recommend the use of delineators on the outside of the curve. - OK

BOONE COUNTY ROAD DEPARTMENT
222 SOUTH 4TH STREET, ALBION, NE 68620-1247

Phone (402) 395-2675

Cell (402) 741-0216

FAX (402) 395-2675

- e-mail: bchwysupt@frontiernet.net

Darrel D. Thorin
Boone County Highway Supt.

May 9, 2012

Re: Project No. STPE-2532(1), C. N. 31535
Boone County Project No. C-6(220)
Petersburg Northeast - ROA3 Portion

Board of Classifications and Standards
Nebraska Department of Roads
P.O. Box 94759
Lincoln, Nebraska 68509-4759

Dear Board members:

Boone County is requesting approval from the Board to relax standards for the above referenced project. The proposed project will replace the existing badly deteriorated asphalt surface with new asphaltic concrete on the only surfaced road (I 10th Street) to Raeville. The road connects Raeville to N-14 approximately 1.5 miles west and 0.5 miles north of Raeville. The project is approximately two miles long. 1.5 miles (ROA3 portion, Sta. 10+86 to Sta. 89+83.1) of the project qualifies for federal funding, the remaining 0.5 mile (RL2 portion, Sta. 89+83.1 to 113+34.2) of the project will be locally funded. This letter addresses the ROA3 portion of the project.

The pavement determination calls for the removal of the existing surfacing and placing it as base. The existing surfacing will be milled, the grade lowered up to 6 inches, the asphalt millings placed as a base and 3" of asphaltic concrete placed. The grade will be lowered to improve the vertical profile and to allow construction of wider shoulders. The existing surfacing cross slope varies from 1-6% on tangent sections. The cross slope will be corrected to 2% on tangent sections and a maximum of 6% superelevation will be provided at horizontal curves.

The beginning of the project (west 1.5 miles) is shown as an "other arterial" on the State Functional Classification Map. The 2011 ADT is 185 with a projected ADT of 235 in 2031. 10% of the ADT are trucks. The design and posted speed is 50 mph. The Design Number is ROA3. The remainder of the project is shown as a "local" road on the Functional Classification map. ADTs are the same as the ROA portion of the project. The Design Number for this section is RL2.

The Nebraska Department of Roads has no record of crashes on these segments of road in the last five years.

There are no existing or proposed pedestrian facilities within the ROA3 portion of the project.

We are requesting relaxation for shoulder widths, foreslopes, and vertical and horizontal alignments for the ROA3 portion of the project. The Categorical Exclusion (CE) states that grading for the project will be limited to earth shoulder construction and that no new right-of-way will be required. Standards cannot be met at all locations within the limits of the project without grading beyond the shoulders and obtaining additional right-of-way.

Shoulder Width

The ROA3 standard calls for 4 foot wide shoulders, which will be obtained on approximately 70% of the project. However, in order to stay within the shouldering requirements as stated in the CE, about 30% of the project will have 3 foot wide shoulders.

The American Association of State Highway and Transportation Officials (AASHTO) "*Guidelines for Geometric Design of Very Low-Volume Local Roads (ADT \leq 400) 2001*" shows a "total roadway width" of 20 feet for a major access road in **Exhibit 1. Guidelines for Total Roadway Width for New Construction of Very Low-Volume Local Roads in Rural Areas**. "The total roadway width includes the width of both traveled way and shoulders." The ROA3 lane width of 10 feet will be constructed; therefore, the total proposed roadway width for this project will be a minimum of 26 feet.

AASHTO's "*A Policy on Geometric Design of Highway and Streets, 2011*" shows a minimum width of travelled way of 20' for 50 mph design speed and ADT under 400 plus a shoulder width of 2' per side.

Foreslopes

The "Typical Cross Section of Improvement for Rural Roads" for an ROA3 Design Number shows 3:1 foreslopes for 0-6' fill height and 2:1 for foreslopes over 6'. About 20% of the project has existing foreslopes between 2:1 and 3:1 in 0-6' of fill. We are requesting that these areas remain substandard to stay within the shouldering requirements as stated in the CE.

Vertical Alignment

Stopping sight distance (SSD) will be improved to meet 50 mph criteria at all locations except at the sag vertical curve approximately 100' west of the stop sign for the intersection at N-14. The SSD is adequate for 40 mph at this location which seems reasonable due to the proximity of the stop sign. We are requesting a relaxation of the SSD for 50 mph at this location.

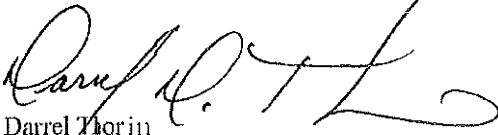
Horizontal Alignment

There is a 500' radius curve within the limits of this rural portion of the project. The superelevation will be improved to 6% so the curve will meet 40 mph design criteria. Curve warning signs (W1-2) with 40 M.P.H. Advisory Plaques (W13-1) will be placed in advance of the curve, and delineators will be placed on the outside of the curve. We are requesting a relaxation for the design speed of this horizontal curve.

Boone County respectfully requests that these relaxations to the Nebraska Minimum Design Standards from the Board of Classifications and Standards be granted.

Please contact me if you have any questions or require any additional information. Thank you for your assistance with this project.

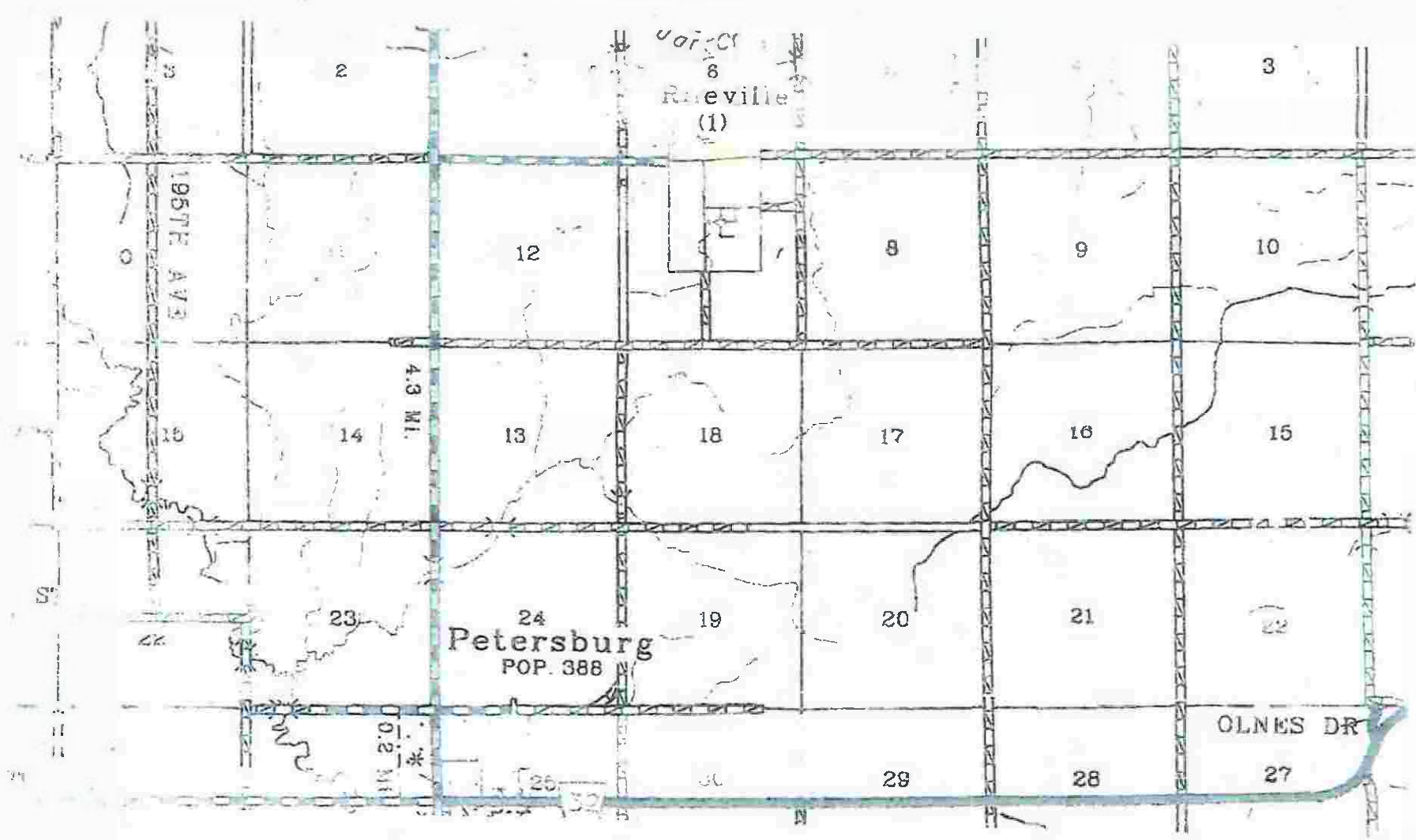
Sincerely,

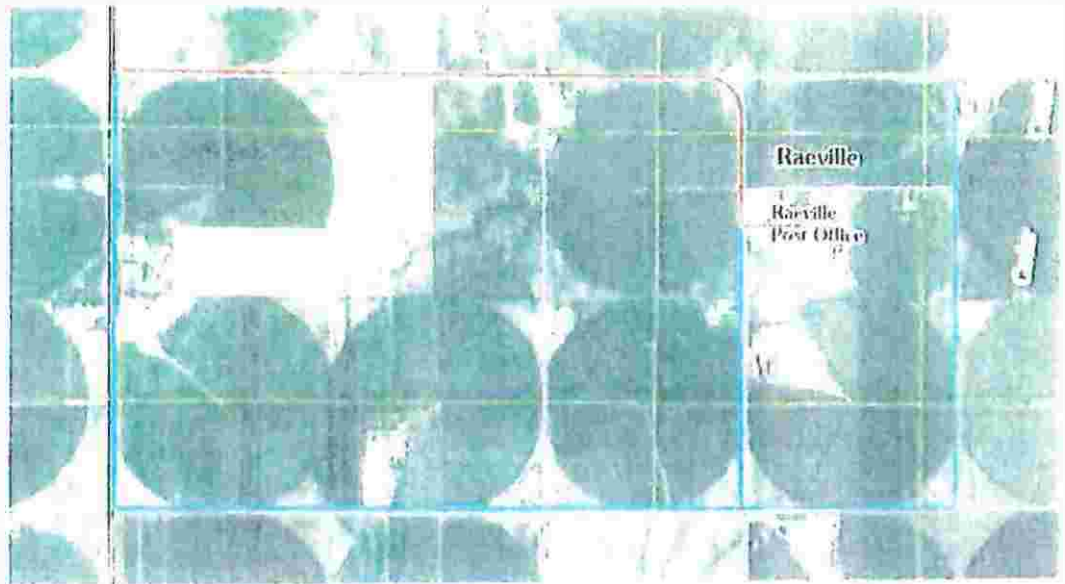


Darrel Thorin
Boone County Highway Supt. (RC)

enc.

Cc: File





Area of Potential Effects (APE)/Limits of An biological Survey

Detour Routes



RESOLUTION NO. 2012-20

WHEREAS, Boone County is in the process of final design for the Petersburg NE. ST PE-2532(1) project, Control Number 31535;

WHEREAS, it has become necessary during the process of final design to request a Relaxation of Minimum Design Standards from the Board of Classifications and Standards, for Shoulder Width, Foreslope Grade, Vertical Alignment, and Horizontal Alignment, as per the attached Relaxation Request letter dated May 2, 2012;

WHEREAS, the Boone County Commissioners understand the necessity for the design relaxations:

NOW, THEREFORE, BE IT RESOLVED, by the Boone County Board of Commissioners that: Darrel D. Thorin, Boone County Highway Superintendent, sign said letter to the Board of Classifications and Standards requesting a Relaxation of Standards on the above referenced project.

PASSED AND APPROVED this 2nd day of May, 2012.



(affix seal)

ATTEST: Kathy Thorberg
Kathy Thorberg
County Clerk

Jerry Lynn Tisnhammer
Jerry Lynn Tisnhammer, Chairman
Boone County Board of Commissioners

Tom Schuele
Tom Schuele, Vice-Chairman

Ken Luettel
Ken Luettel, Member

Board Member Ken Luettel

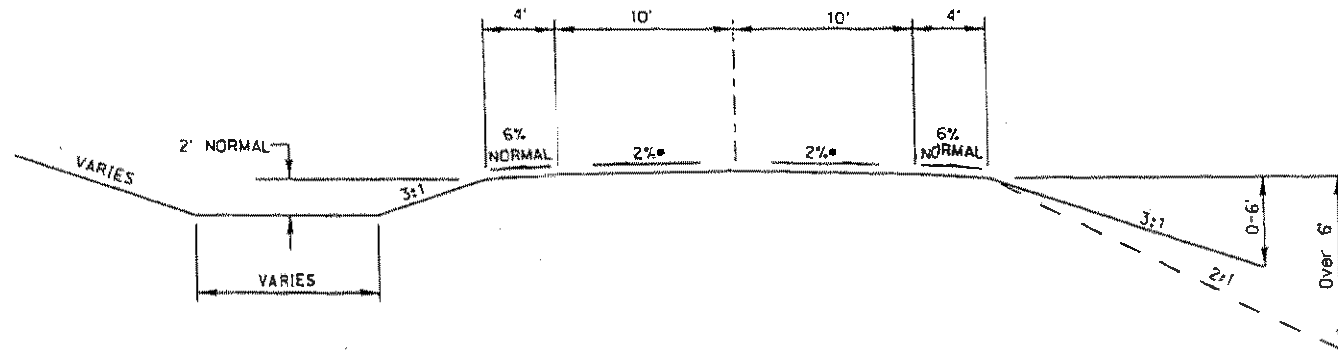
Moved the adoption of said resolution, second
by Tom Schuele

Roll Call: 3 Yeas 0 Nays 0 Absent

Resolution adopted, signed and billed as adopted.

TITLE 428 -- BOARD OF PUBLIC ROADS CLASSIFICATIONS AND STANDARDS
 CHAPTER 2 -- Procedures For Standards (Continued)

001.20 - TYPICAL CROSS SECTIONS OF IMPROVEMENT FOR RURAL ROADS

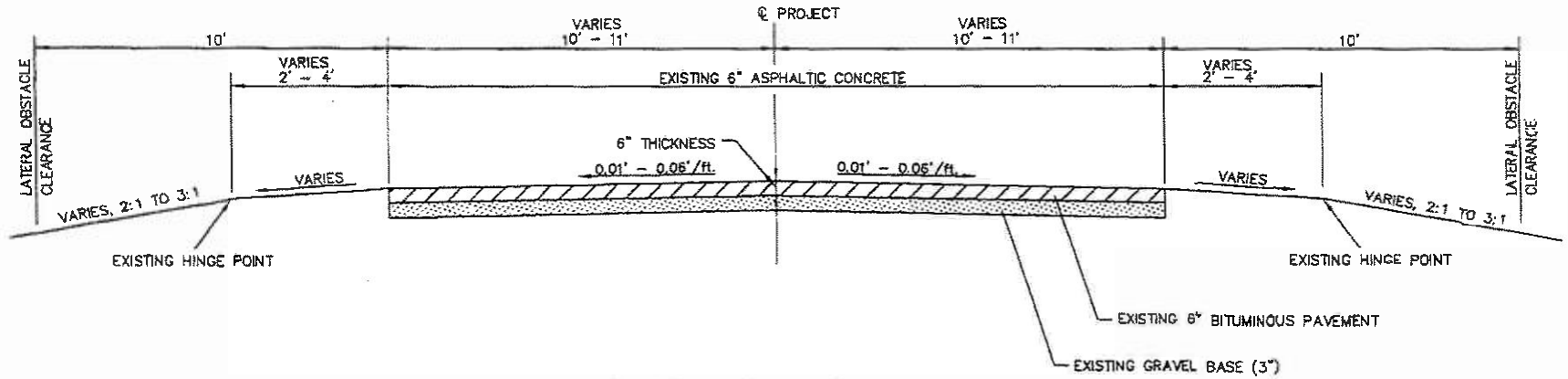


* Unpaved roads: 2% minimum; consult AASHTO guidelines for appropriate cross slope.

ROA3	RC2	RL2
OTHER ARTERIAL	COLLECTOR	LOCAL
51 - 250 ADT	51 - 250 ADT	51 - 250 ADT
FOR SCENIC-RECREATION: 251 - 400 ADT	251 - 400 ADT	251 - 400 ADT

EXISTING CROSS SECTION

PROJECT NO.	SHEET NO.
STPE-2532 (1)	
C.N. 31535	

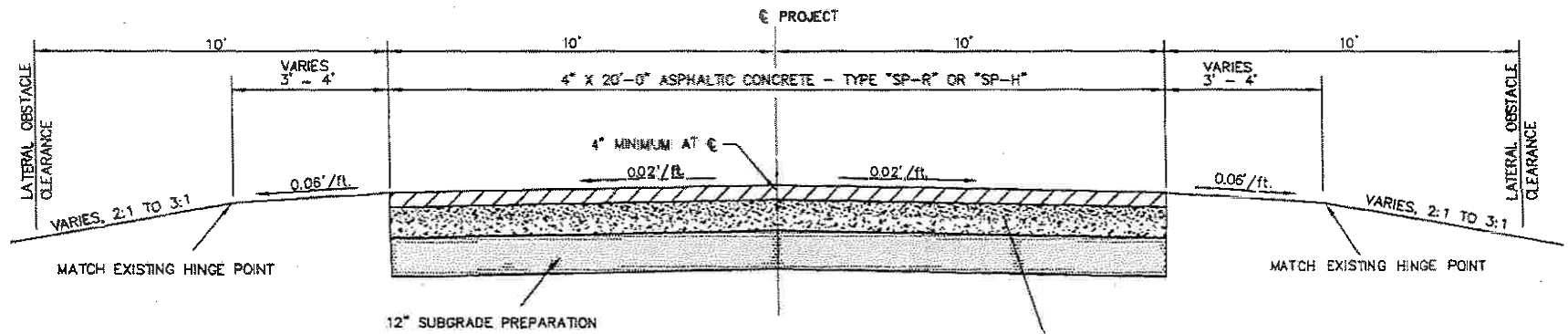


STA. 10+66.00 TO STA. 113+34.20

3/11/2015 10:15:15 AM
1000000000

PROPOSED CROSS SECTION

PROJECT NO.	SHEET NO.
STPE-2532 (1)	
C.N. 31535	



STA 10+66.00 TO STA. 113+34.20

EXISTING BITUMINOUS PAVEMENT AND BASE RECLAIMED AND RECOMPACTED TO 98% STD PROCTOR DENSITY (8" COMPACTED THICKNESS)

11/23/2007
 A. L. WATSON/MS/ST/14



Photo #6234 West end of project looking east.



Photo #6235 Top of 1st hill looking east.



Photo #6236 1/4 mile line (north side of road) looking east.



Photo #6237 1/4 mile line (south side of road) looking east.



Photo #6239 1/2 mile line (south side of road) looking east.



Photo #6240 1/2 mile line (north side of road) looking east.



Photo #62411 mile at intersection (south side of road) looking east.



Photo #6242 1 mile at intersection (north side of road) looking east.



Photo #6243 1 mile east of intersection (south side of road) looking east.



Photo #6244 1 ½ miles going into curve looking east.



Photo #6245 1 ½ miles exiting curve, looking south-southeast.

Schulz, LeMoyne

From: Brendan Lilley <blilley@kirkham.com>
Sent: Thursday, May 10, 2012 9:36 AM
To: Schulz, LeMoyne
Cc: Boone County Hwy Supt - Thorin
Subject: Petersburg NE relaxation requests (2)
Attachments: 31535 relaxation request r12.pdf

LeMoyne -

2nd packet attached. Originals of both packets to follow by mail.

Thank you,
Brendan

Brendan Lilley

402-362-7117 phone
402-366-1869 cell
402-362-3798 fax
blilley@kirkham.com



Arizona • Iowa • Kansas • Nebraska

<http://www.kirkham.com>



Nebraska Department of Roads

Memorandum

DATE May 2, 2012

TO Randy D. Peters, Deputy Director of Engineering

FROM Brayden McLaughlin LPD Project Coordinator

THRU Larry Legg, Secondary Roads Engineer
 Jim Wilkinson, Local Projects Division Engineer
 Jim Knott, Roadway Design Engineer

Randy D. Peters

Brayden McLaughlin

Larry Legg 5/2/12

Jim Wilkinson 5/2/12

Jim Knott 5/2/12

SUBJECT **Request for Design Relaxation of Minimum Design Standards**
 Project No. STPE-2532(1)
 Control No. 31535
 Location Name: Petersburg Northeast
 FY2012 OA Challenge Project - STP

Attached is a Request for Relaxations of Minimum Design Standards for the above mentioned project from Boone County. Please review the request, comment as needed on the back of this memo, approve and sign as appropriate.

Your timeliness is appreciated

Thank you

Attachments: Request for Relaxation Letter from the County
 Project Location Maps
 Aerial Photo
 Typical Section of Construction
 County Resolution

cc Project File

NDOR Comments

Local Project Coordinator Approve Deny

LPA cannot meet all design standards without nullifying the Categorical Exclusion document and the CE cannot be revised in time to process this project before STP funds expire due to the Federal Funds Purchase Program. Given these time constraints, I recommend that the board waive the standards for this project

Local Projects Section Head Approve Deny

Project exceeds the recommendations in TRB SR-214 that recommends an overall lane & shoulder width of 12' with a proposed width of 13'. The improvement is SSD of the improvement in cross slope mitigates the requested relaxations.

Local Project Section Head Approve Deny

J E-5/2/20

Roadway Design Engineer Approve Deny

Shoulder width - AASHTO manual is misapplied as this not a local road (NFS), it is a collector or it would not be eligible for federal funds. AASHTO guidance for this (50mph) roadway is 10' lanes and 8' shoulders (see table 6-5) a total of 18 feet each side of d. ∴ OK
Fore slopes - By definition the Fixed Obstacle Clearance required in the standards is not a lateral clear zone, the title of the typical is "typical section" not minimum standard. For a slope to be retained a cost effective analysis should demonstrate that it is not cost effective to flatten the slopes. Although an analysis is not referenced, engineer judgement indicates

Deputy Director Approve Deny

that, with an ADT of 2351 it would not be cost effective to flatten the fore slopes ∴ OK

Vertical Alignment; SSD - OK ; ISD - not a minimum standard

Horizontal Alignment - 500' Radius for 40 mph; the warning signs are appropriate mitigation, however, with the lane width and shoulder width in mind, I recommend the use of delineators on the outside of the curve. - OK

BOONE COUNTY ROAD DEPARTMENT
222 SOUTH 4TH STREET, ALBION, NE 68620-1247

Phone (402) 395-2675

Cell (402) 741-0216

FAX (402) 395-2675

- e-mail: behwysupt@frontiernet.net

Darrel D. Thorin
Boone County Highway Supt.

May 9, 2012

Re: Project No. STPE-2532(1), C. N. 31535
Boone County Project No. C-6(220)
Petersburg Northeast - RL2 Portion

Board of Classifications and Standards
Nebraska Department of Roads
P.O. Box 94759
Lincoln, Nebraska 68509-4759

Dear Board members:

Boone County is requesting approval from the Board to relax standards for the above referenced project. The proposed project will replace the existing badly deteriorated asphalt surface with new asphaltic concrete on the only surfaced road (110¹ Street) to Raeville. The road connects Raeville to N-14 approximately 1.5 miles west and 0.5 miles north of Raeville. The project is approximately two miles long. 1.5 miles (ROA3 portion, Sta. 10+86 to Sta. 89+83.1) of the project qualifies for federal funding, the remaining 0.5 mile (RL2 portion, Sta. 89+83.1 to 113+34.2) of the project will be locally funded. This letter addresses the RL2 portion of the project.

The pavement determination calls for the removal of the existing surfacing and placing it as base. The existing surfacing will be milled, the grade lowered up to 6 inches, the asphalt millings placed as a base and 3" of asphaltic concrete placed. The grade will be lowered to improve the vertical profile and to allow construction of wider shoulders. The existing surfacing cross slope varies from 1-6% on tangent sections. The cross slope will be corrected to 2% on tangent sections and a maximum of 6% superelevation will be provided at horizontal curves.

The beginning of the project (first 1.5 miles) is shown as an "other arterial" on the State Functional Classification Map. The 2011 ADT is 185 with a projected ADT of 235 in 2031. 10% of the ADT are trucks. The design and posted speed is 50 mph. The Design Number is ROA3 for the portion of the project that qualifies for federal funding. The remainder of the project is shown as a "local" road on the Functional Classification map. ADTs are the same as the ROA portion of the project. The Design Number for this section is RL2.

The Nebraska Department of Roads has no record of crashes on these segments of road in the last five years.

There are no existing or proposed curbs on the project. There are two existing pedestrian crossings. Detectable warning panels will be installed at these locations. Sidewalk will be re-constructed as necessary to meet ADA requirements at the two crossing locations.

We are requesting relaxation for shoulder widths and foreslopes for the RL2 portion of the project. The Categorical Exclusion (CE) states that grading for the project will be limited to earth shoulder construction

and that no new right-of-way will be required. Standards cannot be met at all locations within the limits of the project without grading beyond the shoulders and obtaining additional right-of-way.

Shoulder Width

The RL2 standard calls for 4 foot wide shoulders, which will be obtained on approximately 80% of the project. However, in order to stay within the shouldering requirements as stated in the CE, about 20% of the project will have 3 foot wide shoulders.

The American Association of State Highway and Transportation Officials (AASHTO) "*Guidelines for Geometric Design of Very Low-Volume Local Roads (ADT \leq 400) 2001*" shows a "total roadway width" of 20 feet for a major access road in **Exhibit 1. Guidelines for Total Roadway Width for New Construction of Very Low-Volume Local Roads in Rural Areas.** "The total roadway width includes the width of both traveled way and shoulders." The RL2 lane width of 10 feet will be constructed; therefore, the total proposed roadway width for this project will be a minimum of 26 feet.

AASHTO's "*A Policy on Geometric Design of Highway and Streets, 2011*" shows a minimum width of travelled way of 20' for 50 mph design speed and ADT under 400 plus a shoulder width of 2' per side.

Foreslopes

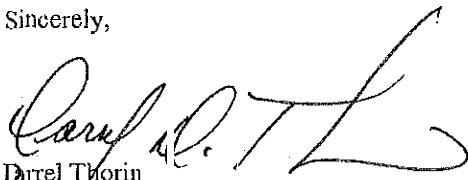
The "Typical Cross Section of Improvement for Rural Roads" for an RL2 Design Number shows 3:1 foreslopes for 0-6' fill height and 2:1 for foreslopes over 6'. About 20% of the project has existing foreslopes between 2:1 and 3:1 in 0-6' of fill. We are requesting that these areas remain substandard to stay within the shouldering requirements as stated in the CE.

There is a 95' radius curve at the south end of the project turning east into town. This is in the residential/urban section of the project. The intersection will be re-designed to be a 3-way intersection, eliminating the 95' radius curve at this location. Intersection warning signs (W2-2) with 20 M.P.H. Advisory Plaques (W13-1) will be placed in advance of the intersection.

Boone County respectfully requests that these relaxations to the Nebraska Minimum Design Standards from the Board of Classifications and Standards be granted.

Please contact me if you have any questions or require any additional information. Thank you for your assistance with this project.

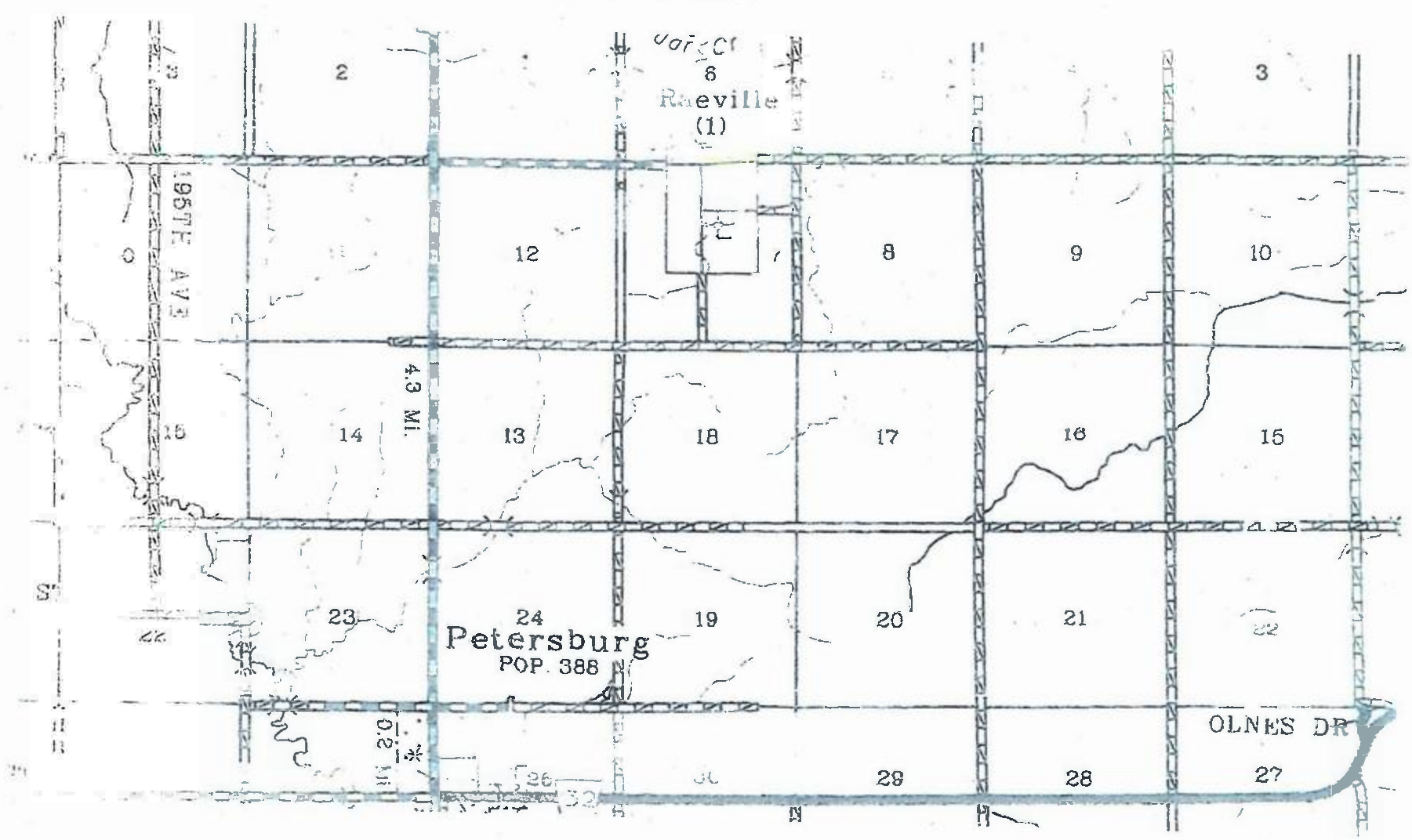
Sincerely,



Darrel Thorin
Boone County Highway Supt. (RC)

enc.

Cc: File





Area of Potential Effects (APE)/1 mile of Archeological Survey

Detour Routes



RESOLUTION NO. 2012-20

WHEREAS, Boone County is in the process of final design for the Petersburg NE. STPE-2532(1) project, Control Number 31535;

WHEREAS, it has become necessary during the process of final design to request a Relaxation of Minimum Design Standards from the Board of Classifications and Standards, for Shoulder Width, Foreslope Grade, Vertical Alignment, and Horizontal Alignment, as per the attached Relaxation Request letter dated May 2, 2012;

WHEREAS, the Boone County Commissioners understand the necessity for the design relaxations:

NOW, THEREFORE, BE IT RESOLVED, by the Boone County Board of Commissioners that: Darrel D. Thoin, Boone County Highway Superintendent, sign said letter to the Board of Classifications and Standards requesting a Relaxation of Standards on the above referenced project.

PASSED AND APPROVED this 2nd day of May, 2012.



(affix seal)

ATTEST: Kathy Thorberg
Kathy Thorberg
County Clerk

Jerry Lynn Cisthammer
Jerry Lynn Cisthammer, Chairman
Boone County Board of Commissioners

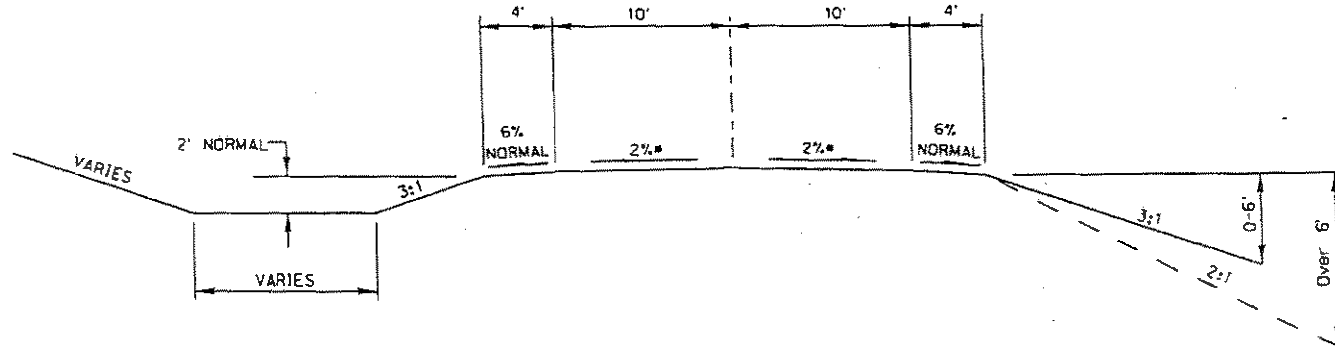
Tom Schuele
Tom Schuele, Vice-Chairman

Ken Luettel
Ken Luettel, Member

Board Member Ken Luettel
Moved the adoption of said resolution, second
by Tom Schuele

Roll Call: 3 Yeas 0 Nays 0 Absent
Resolution adopted, signed and billed as adopted.

001.20 - TYPICAL CROSS SECTIONS OF IMPROVEMENT FOR RURAL ROADS

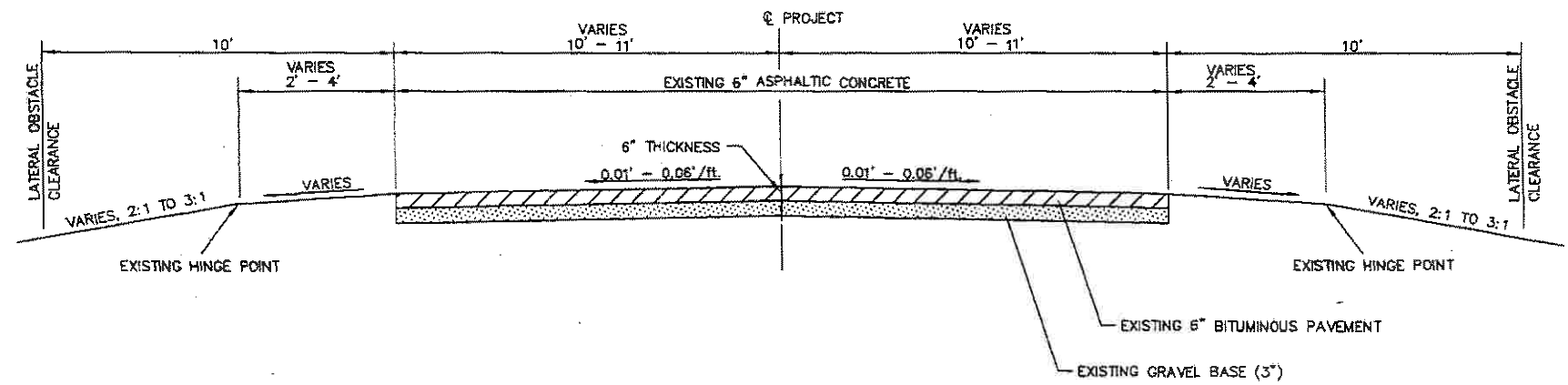


* Unpaved roads: 2% minimum consult AASHTO guidelines for appropriate cross slope.

	RD3	RC2	RL2
	OTHER ARTERIAL	COLLECTOR	LOCAL
	51 - 250 ADT	51 - 250 ADT	51 - 250 ADT
FOR SCENIC-RECREATION:	251 - 400 ADT	251 - 400 ADT	251 - 400 ADT

EXISTING CROSS SECTION

PROJECT NO.	SHEET NO.
STPE-2532 (1)	
C.N. 31535	

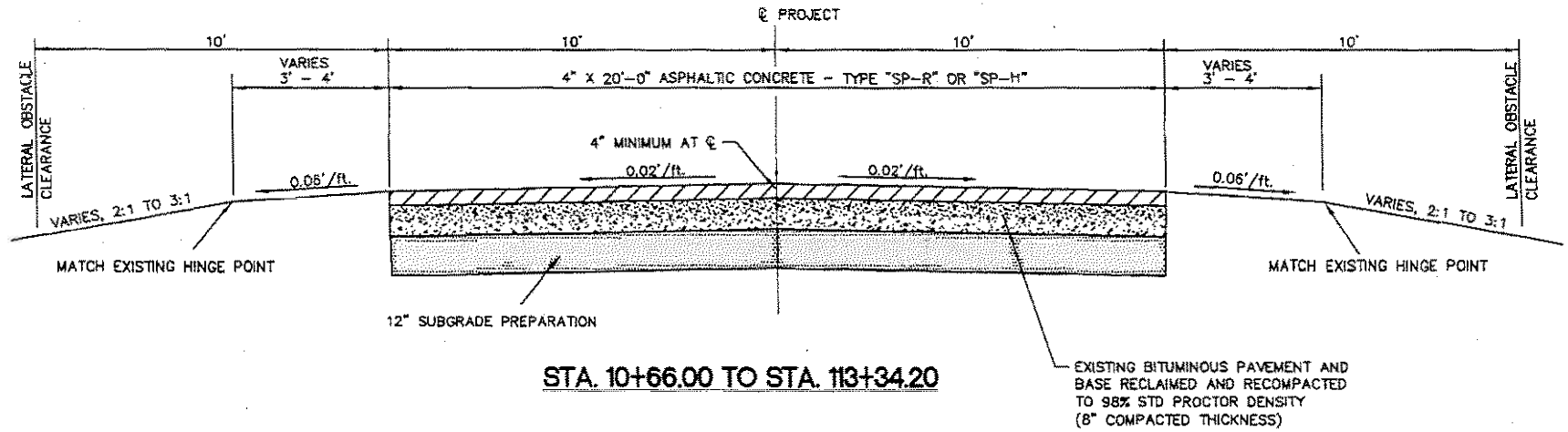


STA. 10+66.00 TO STA. 113+34.20

11/15/2010 10:11:11 AM
 11/15/2010 10:11:11 AM

PROPOSED CROSS SECTION

PROJECT NO.	SHEET NO.
STPE-2532 (1)	
C.N. 31535	



11/13/2007
 11/13/2007



Photo #6245 1 ½ miles exiting curve, looking south-southeast.



Photo #6246 1 ¾ miles jog in alignment.



Photo #6247 Corner into Raeville looking south.



Photo #6248 Corner into Raeville looking southeast.



Photo #6249 Corner into Raeville looking east.



Photo #6250 Intersection Main Street and West R Road looking east.



Photo #6251 After intersection Main Street and West R Road looking east.



Photo #6252 Driveways looking east.



Photo #6253 East end of project looking east.



Photo #6254 East end turn around by church looking east.



Photo #6255 Turn around looking north.

STATE OF NEBRASKA
DEPARTMENT OF ROADS

PLANS FOR CONSTRUCTION
PETERSBURG NORTHEAST
BOONE COUNTY

PROJECT NO.	SHEET NO.
STPE - YEAR(1) 2532	1
CONTROL NO. 1535	
CONTROL NO.	
CONTROL NO.	

INDEX OF SHEETS

SHEET NO.	TITLE PAGE
SHEET NO. 21	TYPICAL CROSS SECTIONS
SHEET NO. 25-1	SUMMARY OF QUANTITIES
SHEET NO. 25-2	SUMMARY OF QUANTITIES
SHEET NO. 3 thru 4	ROADWAY PLANS
SHEET NO. 5	SPECIAL PLAN 10. MAILBOX TURNOUT
SHEET NO. 6 thru 7	SPECIAL PLAN 20. MAILED. SUPPORT PDSIS

- STANDARD PLAN 920-P4 TRAFFIC CONTROL CONSTRUCTION AND MAINTENANCE
- STANDARD PLAN 921-P4 TRAFFIC CONTROL CONSTRUCTION AND MAINTENANCE
- STANDARD PLAN 922-P4 TRAFFIC CONTROL CONSTRUCTION AND MAINTENANCE



THE 1997 ENGLISH EDITION OF THE NEBRASKA STANDARD SPECIFICATIONS, THE SUPPLEMENTAL SPECIFICATIONS DATED JULY 12, 2001, AND THE SPECIAL PROVISIONS APPLY TO THIS PROJECT.

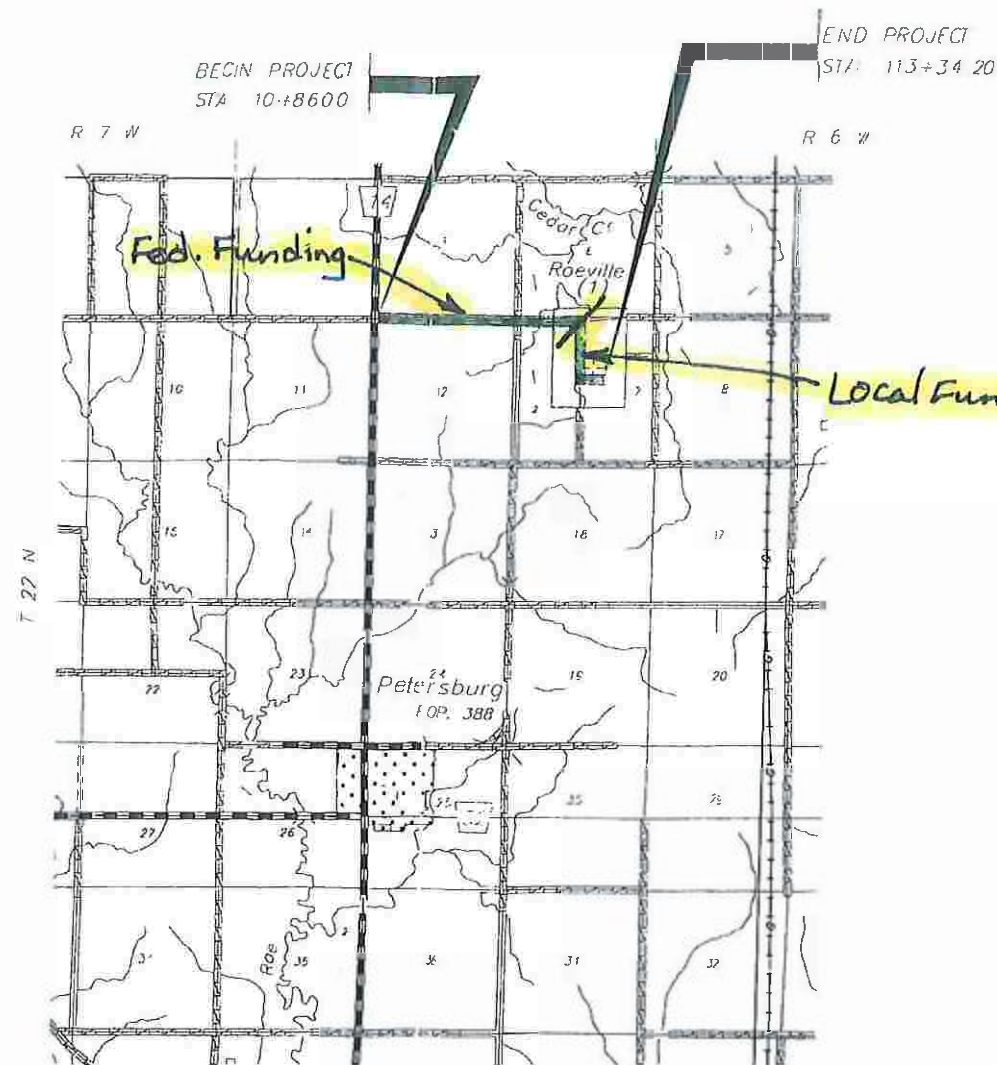
THE WORK ON THIS PROJECT CONSISTS OF GROUPS

S. BITUMINOUS

GROUPS 9 ARE INCLUDED IN THE LETTING OF _____

GROUPS ARE INCLUDED IN THE LETTING OF _____

GROUPS ARE INCLUDED IN THE LETTING OF _____

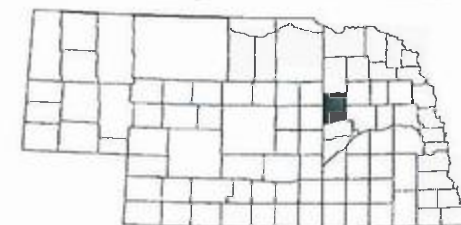


YEAR	1999	2019
ADT	185	235
DIV	30	35
10T =		%
D =		%
DESIGN NO _____		

PLANS PREPARED BY:

KEVIN J. MCKEE
302 S. LINCOLN AVE.
YORK, NE 68467

MEETS OR EXCEEDS MINIMUM DESIGN STANDARDS OF THE BOARD OF PUBLIC ROADS CLASSIFICATION AND STANDARDS.



CONVENTIONAL SIGNS

- FENCE ROW OR WIRE
- GUARDRAIL
- TRAVELED WAY
- DRAIN
- CULVERT
- POWER POLE
- TELEPHONE POLE
- MAILBOX
- RAILROAD TRAILS
- MARSH
- TREE - CONIFEROUS
- TREE - DECIDUOUS

R.O.W. LEGEND

- NEW CONTROLLED ACCESS
- PREVIOUS CONTROLLED ACCESS
- LIMITS OF CONSTRUCTION
- PREVIOUS R.O.W.
- NEW R.O.W.
- EXISTING PERMANENT EASEMENT
- TEMPORARY EASEMENT
- EXCESS TAKING
- PERMANENT EASEMENT
- EXISTING RAILROAD EASEMENT
- NEW RAILROAD PERMANENT EASEMENT
- NEW RAILROAD TEMPORARY EASEMENT



REFERENCE POST NO. TO REFERENCE PDST NO.

EXCEPTIONS FROM STA 10+8600 TO STA 113+34 20

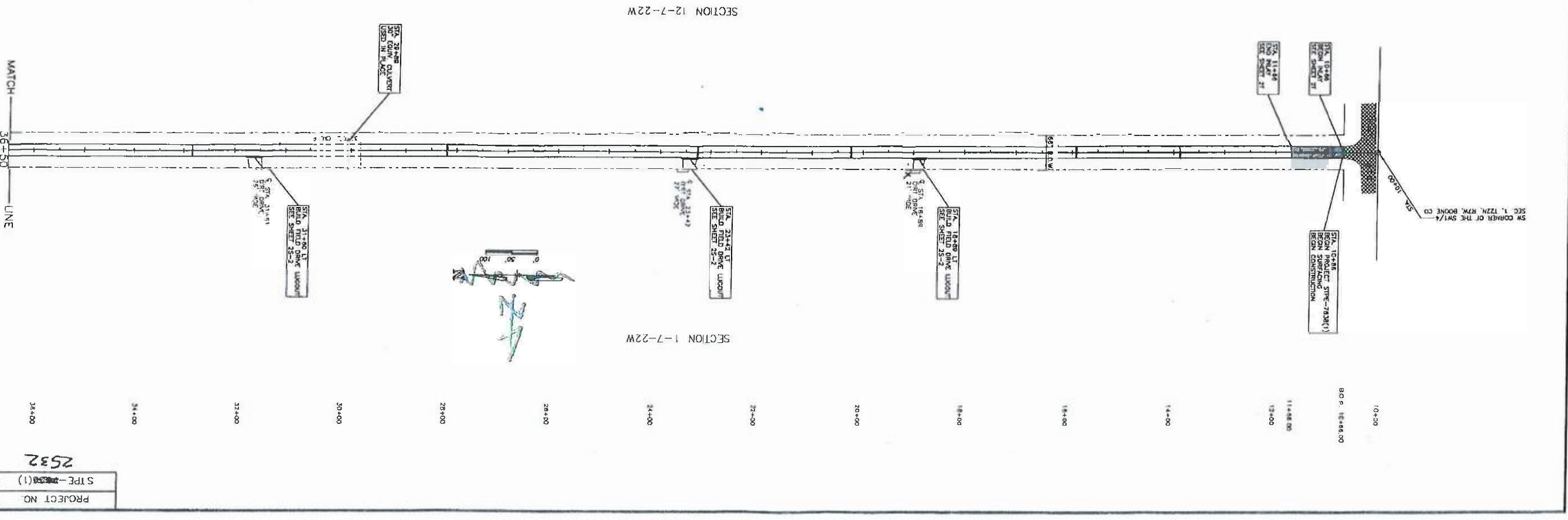
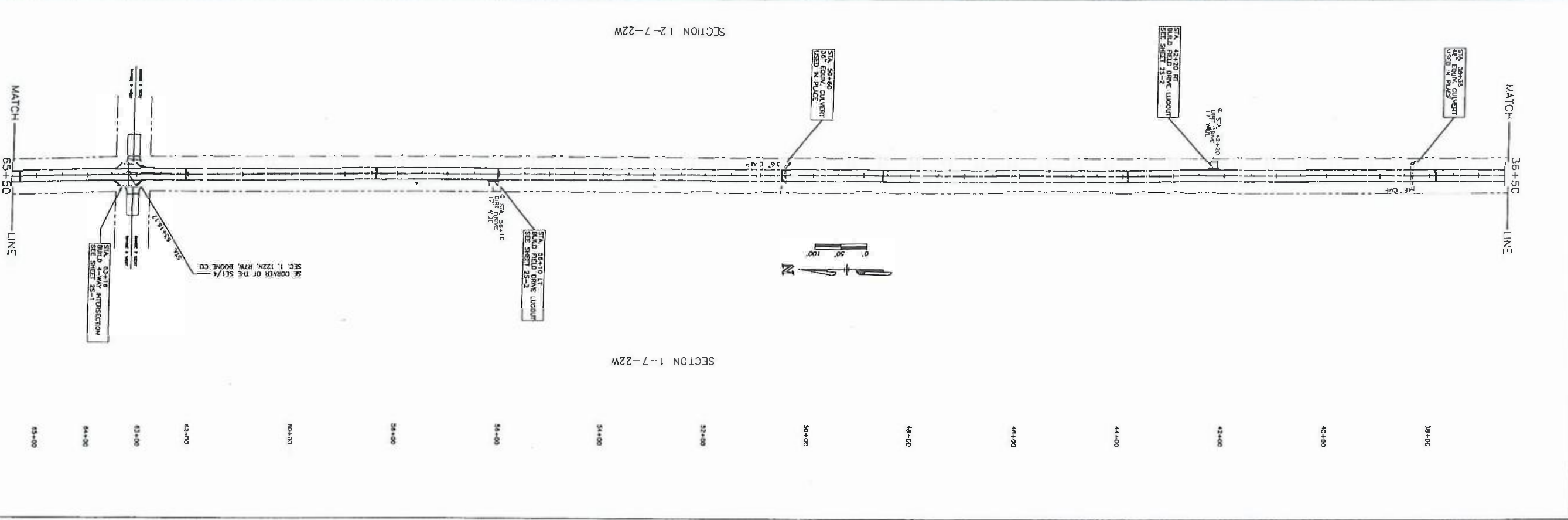
10T: 101 LENGTH OF P.M. 10 11:24E 50 FEET 104 10T5

APPROVED _____

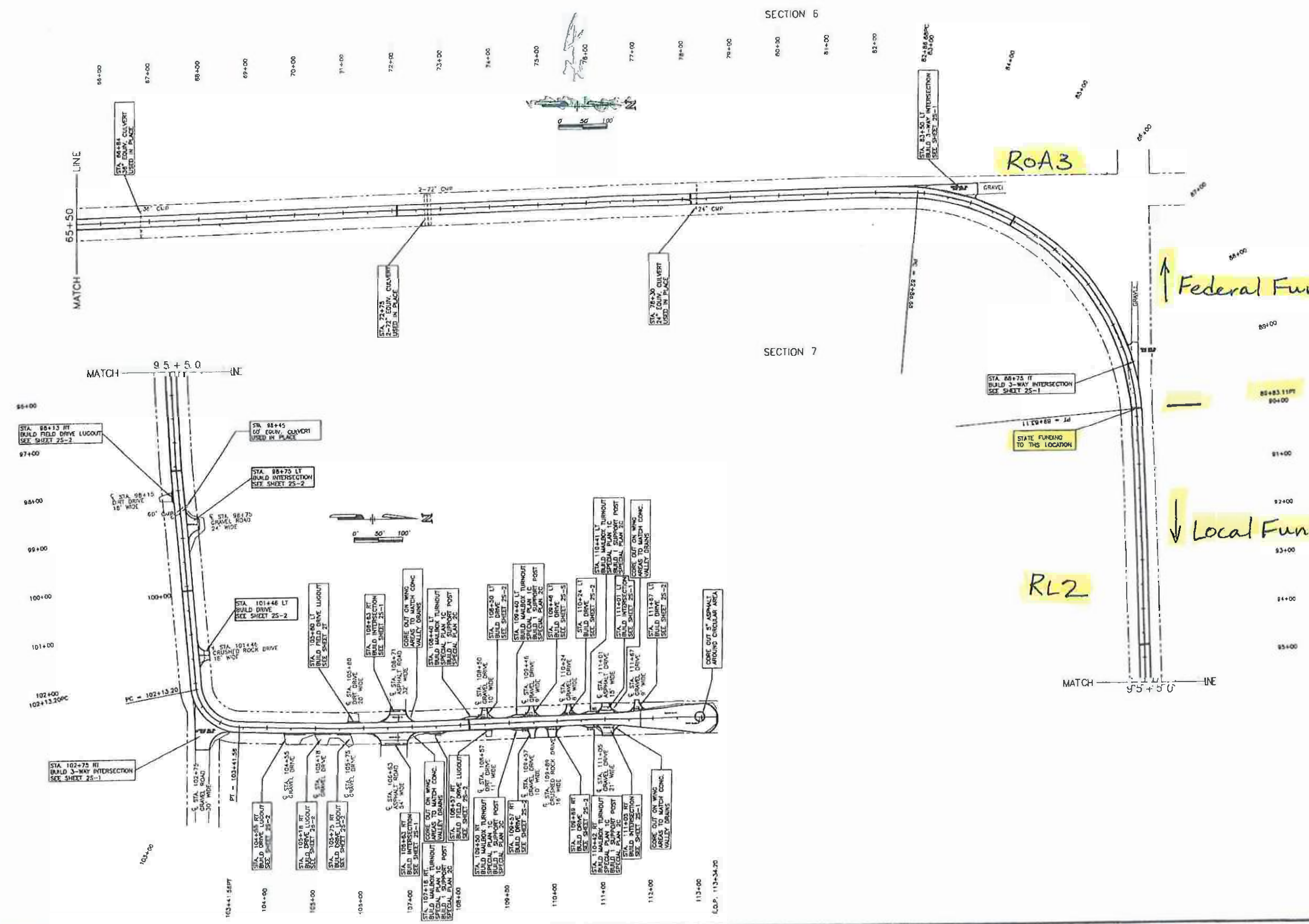
SECONDARY ROADS ENGINEER

APPROVED _____ COUNTY _____

CHAIRMAN OF BOARD DATE _____



SHEET NO.	3
PROJECT NO.	2532
SPE - 2532(1)	



JUN 24-2001 S:\001231\PLAN1.dwg

E.O.P. 113+34.20

May 11, 2012

FOR IMMEDIATE RELEASE

Roads Standards Board to Meet

The Board of Public Roads Classifications and Standards will meet at 9:00 a.m. on May 18, 2012, in the Nebraska Department of Roads' Central Building Auditorium at 1500 Highway 2 in Lincoln.

The agenda includes:

- ◆ Addition of projects to the Antelope, Box Butte and Webster Counties and the Village of Plymouth One- and Six-Year Road and Street Improvement Plans.
- ◆ Informal hearings on Relaxation of Standards Requests from Boone and Nuckolls Counties and the Nebraska Department of Roads.
- ◆ Considerations of sanctions for failure to submit the 2012 One- and Six-Year Plan by certain municipalities.

The meeting is open to the public.

#NDOR#

Detailed agenda as of May 11, 2012, enclosed

For additional information contact:
LeMoyne D. Schulz (402) 479-4436.

LDS/NR1-ZG

STATE OF NEBRASKA
Minutes of the
Board of Public Roads Classifications and Standards
May 18, 2012
Nebraska Department of Roads
Central Headquarters Building Auditorium
1500 Highway 2, Lincoln, Nebraska

Meeting and Hearings Notices:

- Cancellation of the April 20, 2012 meeting. Members were notified and a statewide news release was emailed and posted on Nebraska Department of Roads' website April 13, 2012.
- Statewide news release emailed and posted on Nebraska Department of Roads' website May 11, 2012.
- Event posted on State of Nebraska website (Public Meeting Calendar) May 11, 2012.
- Tentative agenda emailed to each board member and interested persons May 11, 2012.
- Meeting agenda kept current and on public display in Liaison Services Section, Room 202, Nebraska Department of Roads, 1600 Highway 2, Lincoln, Nebraska.
- Meeting agenda posted in the main entrance of the Nebraska Department of Roads' 1500 Building, May 18, 2012.
- Relaxation of Standards hearing notice emailed May 11, 2012 to NDOR and Boone and Nuckolls Counties.

Board members present:

Roger A. Figard, Lincoln, Chairman
LeRoy G. Gerrard, Stromsburg
John M. Hynes, Holstein
Barbara J. Keegan, Alliance
James A. Litchfield, Wakefield
Darold E. Tagge, Holdrege
David L. Wacker, Hastings
Timothy W. Weander, Omaha (*departed at 11:01 a.m.*)
Edward R. Wootton, Sr., Bellevue

Board member absent:

Randall D. Peters, Lincoln, Vice Chairman

Staff present:

LeMoyné D. Schulz, Board Secretary and Highway Local Liaison Coordinator, NDOR
Elizabeth L. Consbruck, Secretary II, Liaison Services Section, NDOR

Others in attendance:

Don Turek, Roadway Design Division, NDOR
Mark Osborn, Roadway Design Division, NDOR
Jeff Wagner, Mainelli Wagner and Associates, representing Nuckolls County
Darrel Thorin, Boone County Highway Superintendent
Eric Dixon, Kirkham Michael, representing Boone County
Brendan Lilley, Kirkham Michael, representing Boone County

Mark Schultz, Business Technology Support Division, NDOR
Robin Goracke, Business Technology Support, NDOR
Ryan Michaud, Solutions Analyst, edocument Resources
Erich Strack, Government Affairs Office Staff Assistant, NDOR
Andrew F. Cunningham, Government Affairs Office, NDOR

* * * * *

Chairman Figard called the meeting to order at 9:03 a.m. The meeting was open to the public.

He welcomed new member John (Jack) Hynes and congratulated him on the appointment. Mr. Hynes was appointed by Governor Heineman, as a County representative, replacing Richard Pierce. His term expires November 30, 2015.

* * * * *

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: NDOR additional 2012 One-and Six-Year Plans received (reducing delinquent municipalities to 5). Added the City of Cambridge One-Year Plan revision, "ECMS Overview" and "MUTCD 2009 Implementation."

* * * * *

Mr. Tagge moved to approve the March 16, 2012 meeting minutes with the addition of following to the City of Lincoln Relaxation of Standards request for Project No. LCLC-5231(13), C.N. 13137, Rehabilitation Project 27th Street Viaduct, Center Street to Theresa Street, City Project No. M-385(244): "Note: Resolution No. A-86764 is pending on approval by the City Council and Mayor." Mr. Wootton seconded the motion. Members Keegan, Litchfield, Tagge, Weander, Wootton and Figard voted YES. Members Gerrard, Hynes and Wacker abstained. Member Peters was absent. The motion carried. (*Note: Approved Resolution No. A-86764 was received on May 18, 2012.*)

* * * * *

The board considered the status of the submission of the 2011 - 2012 Standardized System of Annual Reports.

1. A total of 93 county, 528 municipal and the Nebraska Department of Roads' reports have been received and are being held pending review.

2. 2 Municipal report remains delinquent and under suspension: Lewellen and Royal. Suspension of Highway Allocation Funds was requested on April 3, 2012, and began with the April 10, 2012 distribution. Currently in the second month of suspension. (See Attachment #1, letters to Lewellen and Royal.)

Mr. Wootton moved to accept the Status Report of the Standardized System of Annual Reports as presented. Mr. Gerrard seconded the motion. Members Gerrard, Hynes, Keegan, Litchfield, Tagge, Wacker, Weander, Wootton and Figard voted YES. Member Peters was absent. The motion carried.

* * * * *

The board considered the status of the submission of the 2012 One- and Six-Year Plans.

1. A total of 90 county, 524 municipal and the Nebraska Department of Roads' One- and Six-Year Plans have been received and are being held pending review.
2. 5 Municipal One- and Six year Plans are delinquent: Benkelman, Brule, Chambers, Elmwood and Lewellen. The plans have been delinquent since March 2, 2012. A final reminder letter was mailed, and the Street Superintendent of record contacted.

Mr. Wootton moved to accept the Status Report of the One- and Six-Year Plans as presented. Ms. Keegan seconded the motion. Members Gerrard, Hynes, Keegan, Litchfield, Tagge, Wacker, Weander, Wootton and Figard voted YES. Member Peters was absent. The motion carried.

* * * * *

Mr. Wootton moved to suspend Highway Allocation funds to Benkelman, Brule, Chambers, Elmwood and Lewellen in accordance with Neb.Rev.Stat. Sec. 39-2117 and 39-2119, if the One- and Six-Year Plans are not received by May 31, 2012. Ms. Keegan seconded the motion. Members Gerrard, Hynes, Keegan, Litchfield, Wacker, Weander, Wootton and Figard voted YES. Member Tagge abstained. Member Peters was absent. The motion carried. (*Notification letters were sent May 23, 2012. Benkelman and Brule averted suspension by submitting a One- and Six-Year Plan.*) (See Attachment #2, representative letter of notice.)

* * * * *

The board considered the Box Butte County One- and Six-Year Plan revision adding Project C-7(12-223) to the 2012 One-Year Plan. Ms. Keegan, in her capacity as Box Butte County Highway Superintendent, presented the request.

The project consists of grading and aggregate surfacing on an existing dirt surfaced Local road. The total estimated cost is \$67,300.

Mr. Wootton moved to accept the Box Butte County One- and Six-Year plan revision. Mr. Weander seconded the motion. Members Gerrard, Hynes, Litchfield, Tagge, Wacker, Weander, Wootton and Figard voted YES. Member Keegan abstained. Member Peters was absent. The motion carried.

* * * * *

The board considered the Antelope County One- and Six-Year Plan revision adding Project C-2(363) to the 2012 One-Year Plan.

The project consists of replacing a bridge with culverts on a Local county line road between Antelope and Knox County. The project is identified as C-54(853B) in the Knox County One-Year Plan. The total project cost, estimated at \$10,000 will be shared by both counties.

Mr. Tagge moved to accept the Antelope County One- and Six-Year plan revision. Mr. Wootton seconded the motion. Members Gerrard, Hynes, Keegan, Litchfield, Tagge, Wacker, Weander, Wootton and Figard voted YES. Member Peters was absent. The motion carried.

* * * * *

The board considered the Webster County One- and Six-Year Plan revision advancing Project C-91(587) from the Six-Year Plan to the 2012 One-Year Plan.

The project consists of repairing Bridge No. C009104105 on a Local road. The total estimated cost is \$ 15,000.

Mr. Wootton moved to accept the Webster County One- and Six-Year plan revision. Mr. Hynes seconded the motion. Members Gerrard, Hynes, Keegan, Litchfield, Tagge, Wacker, Weander, Wootton and Figard voted YES. Member Peters was absent. The motion carried.

* * * * *

The board considered the Village of Plymouth One- and Six-Year Plan revision adding Projects M-498(1-01), M-498(1-02), M-498(1-03), M-498(1-04), M-498(1-05), M-498(1-06), M-498(1-07), M-498(1-08) and M-498(1-09) to the 2012 One-Year Plan.

Projects(1-01) and (1-02) consist of 2 inch mill, 4 inch asphalt overlay and curb repair on existing asphalt surfaced Local streets. The total estimated cost of \$45,000.

Projects (1-03) through (1-09) consist of armor coat surfacing and crack repair on existing asphalt surfaced Local streets. The total estimated cost of \$45,000. The armor coat surfacing thickness was given as 4 inches.

Mr. Wootton moved to accept the Village of Plymouth One- and Six-Year plan revision contingent on the village providing the correct surfacing thickness for projects (1-03) through (1-09). Ms. Keegan seconded the motion. Members Gerrard, Hynes, Keegan, Litchfield, Tagge, Wacker, Weander, Wootton and Figard voted YES. Member Peters was absent. The motion carried.

* * * * *

The board considered the City of Cambridge One- and Six-Year Plan revision adding Projects M-187(24) and M-187(25) to the 2012 One-Year Plan.

Project (24) consists of adding concrete surfaced turn lanes on a Major Arterial highway. The total estimated cost of \$305,000. The Hydraulic Analysis is pending.

Project (25) consists of grading and armor coat surfacing on existing gravel surfaced Local streets. The total estimated cost of \$5,000. The surfacing thickness was not given.

Mr. Wootton moved to accept the City of Cambridge One- and Six-Year plan revision contingent on the completion of the Hydraulic Analysis on project (24) and the city providing the surfacing thickness for project (25). Mr. Gerrard seconded the motion. Members Gerrard, Hynes, Keegan, Litchfield, Tagge, Wacker, Weander, Wootton and Figard voted YES. Member Peters was absent. The motion carried.

* * * * *

The board considered the Colfax County One- and Six-Year Plan revision adding Project C-19(466) to the 2012 One-Year Plan.

The project consists of replacing a bridge with culverts on a Local road. The total estimated cost is \$30,000.

Mr. Wootton moved to accept the Colfax County One- and Six-Year plan revision. Mr. Weander seconded the motion. Members Gerrard, Hynes, Keegan, Litchfield, Tagge, Wacker, Weander, Wootton and Figard voted YES. Member Peters was absent. The motion carried.

* * * * *

At 9:30 a.m., the board heard the NDOR request for Relaxation of Minimum Design Standards for Project No. IM-80-7(156), C. N. 42515, Henderson-Waco, on Interstate 80. *(The hearing was held in an informal format, NDOR having declined the option of a formal hearing.)* The request is for a decrease in Vertical Clearance as specified in its April 9, 2012 letter. Mr. Turek presented the request. No one appeared in opposition. The hearing concluded at 9:48 a.m. The board then considered the request.

Mr. Wacker moved to grant the NDOR Relaxation request, in view of the peculiar, special or unique local situation presented, whereby the application of the specific Minimum Design Standard would work a special hardship. Mr. Wootton seconded the motion. Members Gerrard, Hynes, Keegan, Litchfield, Tagge, Wacker, Weander, Wootton and Figard voted YES. Member Peters was absent. The motion carried with the requisite majority.

* * * * *

At 9:49 a.m., the board heard the Nuckolls County request for Relaxation of Standards for Construction on a Minimum Maintenance Road, County Project No.C-65(572). *(The hearing was held in an informal format, Nuckolls County having declined the option of a formal hearing.)* The request is for the replacement of Timber Structure with three 72 inch CMPs as specified in its April 30, 2012 letter and Nuckolls County Board Resolution No. 5-7-2012, dated May 7, 2012. Mr. Wagner presented the request. No one appeared in opposition. The hearing concluded at 9:55 a.m. The board then considered the request.

Mr. Wootton moved to grant the Nuckolls County Relaxation request. Mr. Tagge seconded the motion. Members Gerrard, Hynes, Keegan, Litchfield, Tagge, Wacker, Weander, Wootton and Figard voted YES. Member Peters was absent. The motion carried with the requisite majority.

* * * * *

At 9:56 a.m., the board heard the Boone County request for Relaxation of Minimum Design Standards for Project No. STPE-2532(1), C.N. 31535, Petersburg Northeast, County Project No. C-6(220). *(The hearing was held in an informal format, Boone County having declined the option of a formal hearing.)* The request is for a decrease in Design Speed an increase in Maximum Grade (Percent) and a decrease in Design Speed (mph) and Shoulder Width and an

Increase In Maximum Horizontal Curve Degree and Foreslope on an Other Arterial road, and a decrease in Shoulder Width and an increase in Foreslope on a Local road, as specified in its May 9, 2012 letters and Boone County Resolution No 2012-20 dated May 2, 2012. Mr. Thorin, Mr. Dixon and Mr. Lilley presented the request. NDOR has approved the relaxation request. No one appeared in opposition. The hearing concluded at 10:15 a.m. The board then considered the request.

Mr. Tagge moved to grant the Boone County Relaxation request, in view of the peculiar, special or unique local situation presented, whereby the application of the specific Minimum Design Standards would work a special hardship. Mr. Wootton seconded the motion. Members Gerrard, Hynes, Keegan, Litchfield, Tagge, Wacker, Weander, Wootton and Figard voted YES. Member Peters was absent. The motion carried with the requisite majority.

* * * * *

Other business:

- Mr. Michaud and Mr. Schultz provided an overview of the Enterprise Content Management System (ECMS) and OnBase software that can electronically capture, store and manage documents, such as the SSAR and One- and Six-Year Plans.
- Mr. Strack provided a legislative report.
- Mr. Schulz reported that the MUTCD 2009 and the Nebraska MUTCD Supplement 2011 are in effect.
- Review Work Plan Performance: Chairman Figard touched on the 2012 Work Plan progress.
- Discussion of Date/Location for Annual Outstate Meeting and Regional Workshop for Local Officials. Members were asked to provide suggestions for a meeting site and date, for consideration at the next meeting.
- Chairman Figard and Mr. Schulz will be presenters at the June 12-14 meeting of the Nebraska Association of County Engineers, County Highway Superintendents and County Surveyors, in Valentine. The Board requested that the ECMS Overview be part of the presentation.

* * * * *

Mr. Schulz reported the following correspondence and general information:

- Additional One-Year Plan revision information received from Sarpy County on March 16, 2012.
- Interlocal Agreement between Scotts Bluff County and the City of Scottsbluff received April 13, 2012.
- Interlocal Agreement between Scotts Bluff County and Sanitary Improvement District, SID 18, received April 19, 2012.

- Members received a copy of the Board of Examiners for County Highway and City Street Superintendents February 24, 2012 and April 6, 2012, meeting minutes and May 7, 2012, news release on recently licensed superintendents.

* * * * *

The next regular meeting will be held June 15, 2012, at 9:00 a.m., in the Nebraska Department of Roads' Central Headquarters Building Auditorium, 1500 Highway 2, Lincoln, Nebraska.

* * * * *

There being no further agenda items, Chairman Figard adjourned the meeting at 11:06 a.m.

* * * * *

LeMoyne D. Schulz
Secretary for the Board



Dave Heineman
Governor

STATE OF NEBRASKA
BOARD OF PUBLIC ROADS CLASSIFICATIONS AND STANDARDS
1500 Highway 2 • PO Box 94759 • Lincoln NE 68509-4759
Phone (402) 479-4436 • FAX (402) 479-3525 • transportation.nebraska.gov

April 3, 2012

Mr. Don Stenberg
Nebraska State Treasurer
Rm 2003 State Capitol
Lincoln NE 68509

Roger A. Figard
Lincoln

LeRoy G. Gerrard
Stromsburg

Barbara J. Keegan
Alliance

James A. Litchfield
Wakefield

Randall D. Peters
Lincoln

Richard L. Pierce
Miller

Darold E. Tagge
Holdrege

David L. Wacker
Hastings

Timothy W. Weander
Omaha

Edward R. Wootton, Sr.
Bellevue

LeMoyné D. Schulz
Secretary – ex officio

Dear Mr. Stenberg:

The Board of Public Roads Classifications and Standards, at their regular meeting March 16, 2012, voted to request that you suspend distribution of Highway-User Revenue to the Village of Lewellen for failure to submit the Standardized Annual Road, Street and Highway Program Financial and Budget Report for 2011-2012.

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 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.

The Board of Public Roads Classifications and Standards respectfully requests that Highway-User Revenue distribution to Lewellen be suspended, commencing with the next monthly disbursement, until the report is filed. The Board will advise you at such time as the report has been filed.

Sincerely,

LeMoyné D. Schulz
Secretary for the Board

LDS/NA-23

- xc: Dave Heineman, Governor
- Lewellen Village Board
- Kent Anderson, Lewellen Street Superintendent
- Monty Fredrickson, Nebraska Department of Roads
- Teresa Kuper, Nebraska Department of Roads
- File

ATTACHMENT No. 1
Page 1 of 2 Pages



Dave Heineman
Governor

STATE OF NEBRASKA
BOARD OF PUBLIC ROADS CLASSIFICATIONS AND STANDARDS
1500 Highway 2 • PO Box 94759 • Lincoln NE 68509-4759
Phone (402) 479-4436 • FAX (402) 479-3525 • transportation.nebraska.gov

April 3, 2012

Mr. Don Stenberg
Nebraska State Treasurer
Rm 2003 State Capitol
Lincoln NE 68509

Roger A. Figard
Lincoln

LeRoy G. Gerrard
Stromsburg

Barbara J. Keegan
Alliance

James A. Litchfield
Wakefield

Randall D. Peters
Lincoln

Richard L. Pierce
Miller

Darold E. Tagge
Holdrege

David L. Wacker
Hastings

Timothy W. Weander
Omaha

Edward R. Wootton, Sr.
Bellevue

LeMoyne D. Schulz
Secretary - ex officio

Dear Mr. Stenberg:

The Board of Public Roads Classifications and Standards, at their regular meeting March 16, 2012, voted to request that you suspend distribution of Highway-User Revenue to the Village of Royal for failure to submit the Standardized Annual Road, Street and Highway Program Financial and Budget Report for 2011-2012.

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 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.

The Board of Public Roads Classifications and Standards respectfully requests that Highway-User Revenue distribution to Royal be suspended, commencing with the next monthly disbursement, until the report is filed. The Board will advise you at such time as the report has been filed.

Sincerely,

LeMoyne D. Schulz
Secretary for the Board

LDS/NA-23

xc: Dave Heineman, Governor
Royal Village Board
Keith Gilmore, Royal Street Superintendent
Monty Fredrickson, Nebraska Department of Roads
Teresa Kuper, Nebraska Department of Roads
File

ATTACHMENT No. 1
Page 2 of 2 Pages



Dave Heineman
Governor

STATE OF NEBRASKA
BOARD OF PUBLIC ROADS CLASSIFICATIONS AND STANDARDS
1500 Highway 2 • PO Box 94759 • Lincoln NE 68509-4759
Phone (402) 479-4436 • FAX (402) 479-3525 • transportation@nebraska.gov

May 23, 2012

Benkelman Mayor and City Council
c/o Diane L. Rosenfelt
Benkelman City Clerk
PO Box 347
Benkelman NE 69021

Roger A. Figard
Lincoln

LeRoy G. Gerrard
Stromsburg

John M. Hynes
Holstein

Barbara J. Keegan
Alliance

James A. Litchfield
Wakefield

Randall D. Peters
Lincoln

Darold E. Tagge
Holdrege

David L. Wacker
Hastings

Timothy W. Weander
Omaha

Edward R. Wootton, Sr.
Bellevue

LeMoyne D. Schulz
Secretary—ex officio

Dear Mayor and City Council:

The Board of Public Roads Classifications and Standards, at their regular meeting on May 18, 2012, voted to request that the State Treasurer suspend distribution of Highway-User Revenue to the City of Benkelman for failure to submit the Annual One- and Six-Year Street Improvement Plan for 2012, if the plan is still outstanding on June 1, 2012.

The penalty provision of 39-2119 Nebraska Revised Statutes provides that if any county or municipality fails to file such plan on or before March 1 of each year, 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 plan 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 31, 2012, a letter will be sent to State Treasurer Don Stenberg requesting suspension of Benkelman's monthly allocation from that point forward.

Sincerely,

LeMoyne D. Schulz
Secretary for the Board

LDS/BPR4-NA

xc: Kent H. Anderson, Benkelman Street Supt.
File

ATTACHMENT No. 2
Page 1 of 1 Pages