

APPENDIX D

AGENCY CORRESPONDENCE

Schultz, Bart

From: Thorp, Jennifer
Sent: Thursday, November 01, 2007 4:44 PM
To: Schultz, Bart
Subject: FW: Seeking comment for the proposed route for the XcelMarshal to Yankton Transmission Line

Attachments: Route Info and Route.pdf



Route Info and
Route.pdf (5 MB...)

-----Original Message-----

From: Tom Kresko [mailto:Tom.Kresko@dnr.state.mn.us]
Sent: Thursday, November 01, 2007 4:25 PM
To: Thorp, Jennifer
Cc: Bob Hobart; Cheryl Kelley-Dobie
Subject: Re: Seeking comment for the proposed route for the XcelMarshal to Yankton Transmission Line

Jennifer-

There are several DNR public waters to cross in your project. However, my experience with these types of projects exhibits little or no impact to the public watercourses - as long as standard DNR Lands and Minerals permit protocols are followed.

Let me know if you have any other questions.

~tjk

Tom Kresko - Area Hydrologist
MN DNR - Waters Division
175 County Road 26
Windom, MN 56101-1868

office: (507) 831-2900 ext. 224
fax: (507) 831-2921
e-mail: tom.kresko@dnr.state.mn.us

>>> "Thorp, Jennifer" <jthorp@houstonengineeringinc.com> 11/1/2007 2:38
>>> PM >>>
Tom -

I have attached the fact sheet and map I mentioned in our conversation regarding the proposed Marshall to Yankton 115kV transmission line. We are seeking any questions or comments you may have regarding the route as we prepare the Final route permit document.

Thank you for your time.

Jennifer Thorp, Environmental Scientist
Houston Engineering, Inc. | Leave Nothing to Chance™
6901 East Fish Lake Road
Maple Grove, MN 55369
Phone: 763.493.4522 / Fax: 763.493.5572
Email: jthorp@houstonengineeringinc.com <mailto:b@houstonengineeringinc.com>
Website: www.houstonengineeringinc.com
<http://www.houstonengineeringinc.com/>

Schultz, Bart

From: Thorp, Jennifer
Sent: Tuesday, November 27, 2007 4:24 PM
To: Schultz, Bart
Subject: FW: Proposed Yankee 115 KV Transmission Line

From: John L. Biren [mailto:JohnBiren@co.lyon.mn.us]
Sent: Tuesday, November 27, 2007 4:16 PM
To: Thorp, Jennifer
Subject: Proposed Yankee 115 KV Transmission Line

Lyon County will be re-grading CSAH 5 North of CR 60 (Rock Lake) and there could be some sloping of the backslope that may be impacted by tower location. Pam Rasmussen Xcel was made aware of this some time ago. The last map I received does not indicate what side of the road the proposed lines will be located. There are some flood plains located in section 18, and 17 of Lake Marshall Township. You can find a copy of the food plain maps at www.lyonco.org. Other than that, the zoning office has not received any complaints, questions, or concerns after the route was redesigned around the Klein Addition.

John Biren
Lyon County ZA

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Lyon County Planning and Zoning

Current Openings
Applications
Other Employment

Planning and Zoning Admin: John Biren

Email: johnbiren@co.lyon.mn.us

Phone: (507) 532-8206

Fax: (507) 532-8217

Address: Planning and Zoning Administrator
Lyon County Public Works
504 Fairgrounds Road
Marshall, MN 56258

Asst P&Z Administrator: Todd Hammer

Email: toddhammer@co.lyon.mn.us

Phone: (507) 532-8206

Fax: (507) 532-8217

Address: Asst P&Z Administrator
or Ditch Inspector
or Agricultural Inspector
Lyon County Public Works
504 Fairgrounds Road
Marshall, MN 56258

- Planning and Zoning
- Land Use Permits
- Conditional Use Permits
- Variances
- Platting
- Lake Aeration
- Ditches
- Agricultural Inspection - Weeds and Seeds
- Septic System Inspection
- Septic System Design Sheets

Maps:  [Lyon County Zoning Map](#)
 [Lyon County Landuse Map](#)

Docs:  [Comprehensive Plan](#)
 [Comp Plan: Introductory Pages \(3/16/07\)](#)
 [Comp Plan: Chapter 8 - Land Use \(3/16/07\)](#)

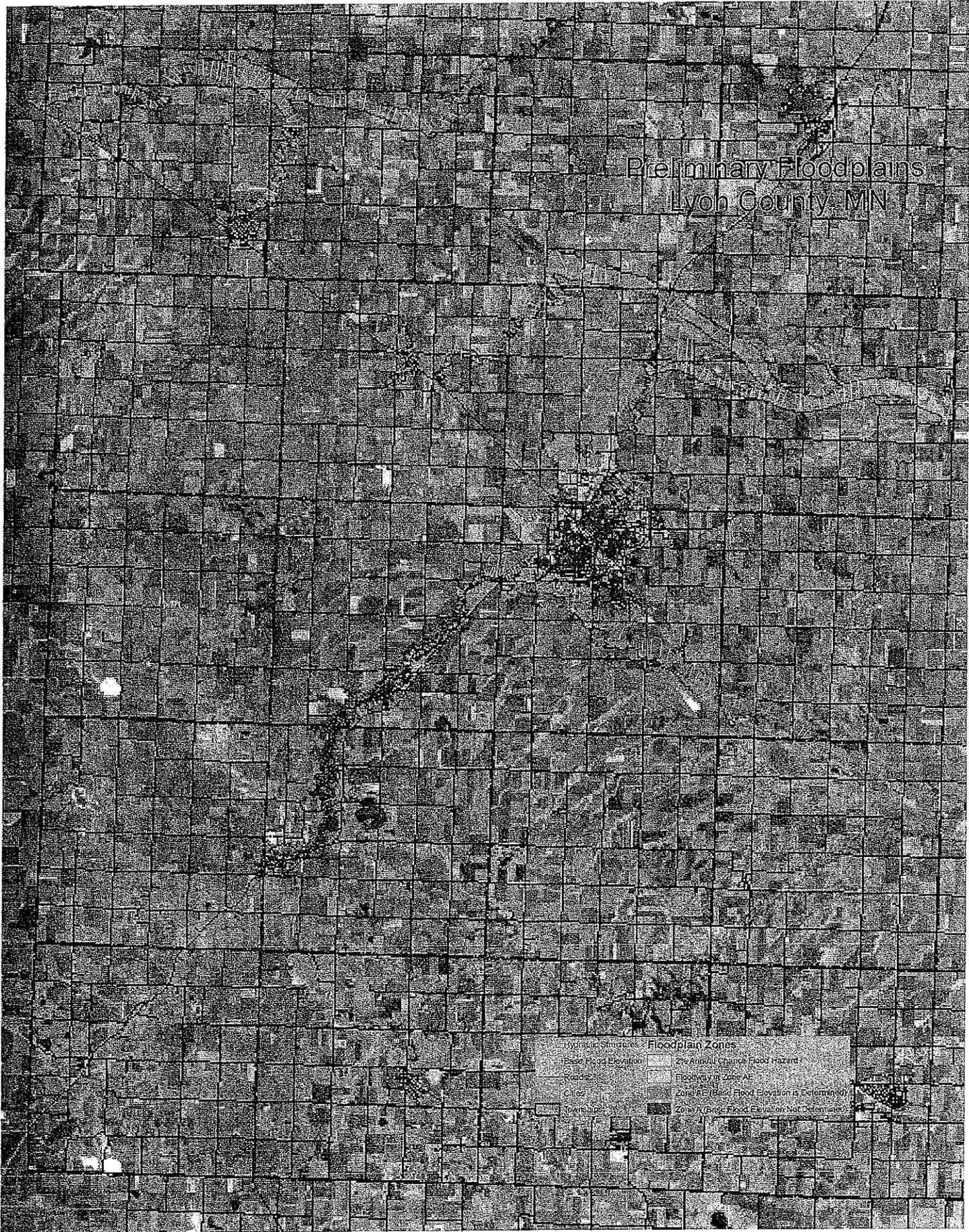
 [Zoning Ordinance 2007 \(3/16/07\)](#)
 [Essential Services Fig. 1](#)

 [Utility Permit \(County/Joint Ditch Right of Way\)](#)
 [Septic Loan Application](#)

 [e911 Signage Ordinance](#)
 [Feedlot Ordinance](#)
 [Subdivision Ordinance](#)
 [Zoning Ordinance](#)

Links:  [FEMA NFIP Forms](#)
 [FEMA Map Service Center](#)

Preliminary Floodplains Lyon County, MN



Watershed Streamflow Floodplain Zones

Base Flood Elevation	2% Annual Chance Flood Hazard
Zone A (Base Flood Elevation is Determined)	Floodplain Zone AF
Zone B (Base Flood Elevation is Determined)	Zone C (Base Flood Elevation is Determined)
Zone D (Base Flood Elevation is Determined)	Zone A (Base Flood Elevation not Determined)

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Last updated October 1, 2007
webmaster@co.lyon.mn.us

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www.lyonco.org

Schultz, Bart

From: Aanenson, Mark

Sent: Wednesday, November 21, 2007 4:36 PM

To: Schultz, Bart

I talked with Tabor Hoek – BWSR Board Conservationist regarding potential conflicts between powerline easements and CREP/RIM easements/

Mark D. Aanenson, Environmental Scientist
Houston Engineering, Inc. | Leave Nothing to Chance™
2505 N. University Drive
Fargo, ND 58105
Phone: 701.237.5065 / Fax: 701.237.5101
Email: maanenson@houstonengineeringinc.com
Website: www.houstonengineeringinc.com

Schultz, Bart

From: Rogers, Timothy G [Timothy.G.Rogers@xcelenergy.com]
Sent: Thursday, October 25, 2007 3:03 PM
To: Schultz, Bart
Subject: FW: Proposed 115 kV Transmission Line SW Marshall

FYI for Route Application.

-----Original Message-----

From: Glenn Olson [mailto:Glenn.Olson@marshallmn.com]
Sent: Thursday, October 25, 2007 2:50 PM
To: Rogers, Timothy G
Cc: Brad Roos
Subject: RE: Proposed 115 kV Transmission Line SW Marshall

Tim,

I have no serious concerns about the proposed location of the transmission line. If this route is ultimately chosen, there will need to be a review of the crossing location of County Road 7 with respect to a proposed overpass and the existing Redwood River overflow channel.

Glenn

Glenn J. Olson, P.E.
Glenn.Olson@marshallmn.com
Director of Public Works/City Engineer
City of Marshall
344 West Main Street
Marshall, MN 56258
(507) 537-6773 / FAX: (507) 537-6830

-----Original Message-----

From: Rogers, Timothy G [mailto:Timothy.G.Rogers@xcelenergy.com]
Sent: Wednesday, October 24, 2007 11:14 AM
To: Glenn Olson
Subject: Proposed 115 kV Transmission Line SW Marshall

Hi Glenn,

As you are aware, Xcel Energy plans to construct a 115,000 volt (kV) transmission line between the Lake Yankton substation and the new SW Marshall substation. We evaluated many route options out of the SW Marshall substation. The route evaluation considered social, engineering, and environmental constraints to the various potential routes. Attached is a map showing Xcel Energy's preferred route. Do you have any comments or concerns regarding the proposed route, specifically the first several miles out of the SW Marshall substation?

Thank you.

<<LandOwner_Notification_Map_PublicMeetingNo2_Sept25_2007_letter_size_Optionl.pdf>>

Tim Rogers
Permit Analyst
Xcel Energy
Office (612) 330-1955
Cell (612) 202-6923
timothy.g.rogers@xcelenergy.com



113 South Fourth Street
Marshall, Minnesota 56258-1223
Telephone: 507-537-7005
Fax: 507-537-6836
www.marshallutilities.com

BRAD ROOS
General Manager
STEVE JOHNSON
Operations Manager
LESLIE HISKEN
Customer Service Manager
ROXY SOVELL MOON
Finance Manager

Mr. Tim Rogers
Permitting Analyst
Xcel Energy
250 Marquette Ave.
Suite 800A
Minneapolis, MN 55401

Sept. 27, 2007

Dear Tim:

As you do route planning for the 115 KV BRIGO line from Xcel's Lake Yankton Substation to the Marshall Southwest Substation, we have talked about the need to limit any double circuiting designs to shorter than one mile in length, for the current line you are routing for the third transmission source serving Marshall, and the future fourth 115 KV line we anticipate needing in the future between our Southwest Substation and the Lyon County Xcel Substation. The following thoughts about this planning dynamic are offered from our Transmission Engineers at Missouri River Energy Services (MRES).

" Per national (NERC) and regional (MRO/MAPP) planning standards the transmission system must be able to withstand the loss of a double circuit transmission line of accumulated length of 1 mile or longer without violating applicable system ratings, and without experiencing uncontrolled loss of load or cascading outages. (Ref. NERC Category C-5 events). I.e. bringing a new transmission line into Marshall by double circuiting it with existing lines, may not give Marshall the desired level of load serving and transmission system reliability.

As Section 7.1 in the BRIGO study indicates, if this new line from Lake Yankton requires double circuiting for distances greater than 1 mile with another source from the Marshall SW substation to Lyon County Xcel substation, this potential new transmission source may not provide the needed support by no longer minimizing "prior outage" limitations. (A prior outage limitation is similar to a double circuit limitation in that two (or more) electrical elements are outaged). If the line from Lake Yankton and a potential new source are routed on common structures (double circuited) for accumulated distances greater than 1 mile, the outage of both lines will be treated as a NERC Category C-5 event."

This summarizes our thoughts regarding double circuiting the third and fourth 115 KV sources for Marshall. Attached is additional narrative on the standards surrounding this issue.

Sincerely,

A handwritten signature in cursive script that reads "Brad Roos".

Brad Roos
General Manager

Encl:

APPENDIX D-5

Double circuit / Common tower lines and Midwest Reliability Organization (MRO) / MAPP criteria.

This document provides a summary of what the MRO standards say vs. double circuit / common tower lines.

On the "Standards Documents" section of the MRO web-site (<http://www.midwestreliability.org/Standardsdev.html>) one can read the following quote from the MRO bylaws:

"Except for those existing standards, criteria, rules, or guides that apply to the Generation Reserve-Sharing Pool of the MAPP Restated Agreement, the Corporation will use the existing standards, criteria, rules or guides from each existing reliability council region for those Members that join the Corporation as in effect immediately prior to formation of the Corporation until such standards, criteria, rules or guides are adopted, superseded, or rejected by the Corporation."

MRO reference Chapter 3 of the MAPP Reliability Handbook entitled "MAPP Planning Standards" for transmission planning standards (last revised November 2004). This is also posted on the "Standards Documents" section of the MRO web-site. The Foreword (page 1) establishes that *"In those cases where regional, subregional, power pool, and individual member planning criteria and guides are more restrictive than NERC Planning Standards, the more restrictive reliability criteria and guides must be observed"*.

On page 29 in the same document one can read the following definition of what constitutes a double circuit line: *"Double Circuit Line - Two bulk transmission circuits constructed on common structures for a cumulative distance of more than one mile in length"*

Bulk transmission circuits are generally those transmission facilities operated at 100 kV or higher (also defined on page 29).

Pages 6-9 shows Table 1 "Transmission System Standards - Normal and Contingency Conditions", similar to the contingency classification tables in the NERC planning standards (TPL-001-0, TPL-002-0, TPL-003-0, and TPL-004-0). Both the MAPP table and the NERC tables identifies a double circuit outage as Category C-5 - *"Any two circuits of a multiple circuit towerline"*. For this category of a contingency/event thermal limits and voltage limits are to be within applicable ratings. Footnote a) of Table 1 establishes that *"Applicable rating (A/R) refers to the applicable normal and emergency facility thermal rating or system voltage limit as determined and consistently applied by the system or facility owner. Applicable ratings may include emergency ratings applicable for short durations as required to permit operating steps necessary to maintain system control...."*

Following a category C-5 event the system is to remain stable. Loss of load or curtailment of firm transfers are allowed in a planned/controlled manner. There should be no cascading outages as a result of a C-5 event.

In MAPP, where there is an emergency rating, it is typically a 30 minute emergency rating. I.e., following a contingency such as a category C-5, the emergency rating can be utilized for 30 minutes, and then system conditions must be restored to operate within normal rating. (Reference summary of MAPP-M1 on page for of the "MAPP Planning Standards" document).

Schultz, Bart

From: Rogers, Timothy G [Timothy.G.Rogers@xcelenergy.com]
Sent: Thursday, August 23, 2007 9:47 AM
To: Schultz, Bart
Subject: FW: Rural Water Contact for Marshall BRIGO project
Attachments: Dennis Healy.vcf

-----Original Message-----

From: Brad Roos [mailto:BradR@marshallutilities.com]
Sent: Friday, August 17, 2007 11:17 AM
To: Rogers, Timothy G
Subject: Rural Water Contact for Marshall BRIGO project

Tim:

The attached is the contact for finding out where Rural Water Lines run. ADM has some rural Watermain they own that should be spotted as well.

Brad Roos
General Manager
Marshall Municipal Utilities
113 4th St. South
Marshall, MN 56258
tele 507-537-7005
fax 507-537-6836
cell 507 531-0590
bradr@marshallutilities.com

Schultz, Bart

Full Name: Dennis Healy
Last Name: Healy
First Name: Dennis
Job Title: Director of Finance and Admin.
Company: Lincoln-Pipestone RW

Business Address: Mr. Dennis Healy
LincolnPipestone Rural Water
East Hwy. 14
P.O. Box 188
Lake Benton, MN 56149
United States of America

Business: (800) 462-0309
Business Fax: (507) 368-4573

E-mail: lprw@itctel.com
E-mail Display As: lprw@itctel.com



LYON COUNTY PUBLIC WORKS

504 Fairgrounds Road
Marshall, Minnesota 56258

August 6, 2007

Re: SP 42-605-32 – Reconstruction of CSAH 5 from CR 60 to TH 23

Lyon County will be starting reconstruction of CSAH 5 from CR 60 to TH 23 in 2008. This project is scheduled to be regraded in the summer of 2008 with a concrete pavement driving surface placed in the 2009 construction season.

Lyon County is in the preliminary design stage. We would appreciate your cooperation in helping us identify any private tile lines, tile intakes, and tile outlets in or near the road right of way. Please let us know if you would like any field entrances relocated or other issues pertaining to your property addressed. If you are renting your land, your renter is welcome to discuss these items with us. Please call Mike Blum at 507-532-8205 to set up an appointment in September to discuss these issues.

Within the next month or two you will receive additional correspondence from us in regards to the purchasing of additional right of way for the reconstruction of the road. Under Federal Law, Lyon County must inform you of your rights when purchasing right of way. Enclosed you will find information outlining your rights. Please consider this letter your early contact. Lyon County is having your land appraised by the Lyon County Assessor and will send you more information at the time of completion. Federal regulations prohibit the County from presenting property owners with offers for right of way acquisition until the environmental project report is approved by the Federal Highway Administration. Our goal is to have approval to proceed with right of way offers in November 2007.

If you have any question regarding this project please feel free to contact me at 507-532-8201.

Sincerely,

Steve Johnson
Assistant County Engineer

encl.

APPENDIX D-7

General Office
Highway 507-532-8205
Zoning 507-532-8206
Fax 507-532-8216
Environ 507-532-8210
Fax 507-532-8217

Anita L Benson
Public Works Director
County Engineer
507-532-8200

John Biren
Planning & Zoning
Administrator
507-532-8207

Paul Henriksen
Environmental
Administrator
507-532-8209

Rick Anderson
Park & Fairgrounds
Manager
507-532-8214

**Geographic Information
Systems**
507-532-8212

From: MnDOT
August 2007

INTERCHANGE TEMPLATE

RAMP LENGTH CHANGE WITH ROLLING MAINLINE OR CROSS ROAD GRADE
DRAFT
9-24-01
C.O. GEOMETRIC SECTION

