

APPENDIX H

Open House Meeting Invitations

Huntley-Wilmarth 345 kilovolt transmission line project

ITC Midwest and Xcel Energy intend to file necessary permits to build an approximately 40-50 mile 345 kilovolt (kV) transmission line in southern Minnesota. The transmission line would connect Xcel Energy’s Wilmarth Substation, north of Mankato, and ITC Midwest’s Huntley Substation, south of Winnebago (view map inside). The projected in-service date for the project is the end of 2021. Xcel Energy will be the lead utility for construction of the project if the project is approved by the Minnesota Public Utilities Commission.

Public open houses scheduled

Public open houses are planned for June 20 and 21 to provide landowners and local communities with an overview of the project and permitting process for the proposed Huntley-Wilmarth 345 kilovolt transmission line project. The open houses will serve as an opportunity for residents to learn more about the project, view potential route maps, ask questions and provide feedback. No formal presentation is scheduled.

Public Open House Schedule

June 20 1-3 p.m. & 5-8 p.m. Maple River High School (cafeteria) 101 6th Ave Southeast, Mapleton, MN	June 21 12-2 p.m. & 5-8 p.m. Courtyard by Marriott (event center) 901 Raintree Road, Mankato, MN
---	--



xcelenergy.com | © 2017 Xcel Energy Inc. | Xcel Energy is a registered trademark of Xcel Energy Inc.



414 Nicollet Mall Floor 6
Minneapolis, MN 55401

Contact Us

You can submit questions or comments by calling our toll-free number 1.855.839.8865 or send an email to huntleywilmarth@xcelenergy.com. The latest project information is also available at huntleywilmarth.com



Project Need

The Huntley-Wilmarth project is needed to reduce congestion on the transmission grid in southern Minnesota and northern Iowa that is inhibiting low-cost electricity from generation facilities, including wind farms in the area, from reaching customers. The project will provide economic benefits by enabling more low cost electric generation to reach customers in the region. New wind generation is one of the most economical energy sources available to customers, due in part to wind being a zero fuel cost resource.

The project was approved by Midcontinent Independent System Operator, Inc. (MISO) in December 2016. The Minnesota Public Utilities Commission will also need to approve a Certificate of Need and Route Permit for the project. MISO operates the region’s electric transmission system and coordinates the planning process for system improvements, supporting reliable delivery of electricity in 15 states and the Canadian province of Manitoba. MISO first identified congestion on the transmission system in Huntley-Wilmarth project area in 2008.

Project Benefits

The Huntley-Wilmarth project provides several local and regional benefits including:

- Relieving congestion on the transmission grid
- Increasing transmission capacity to deliver low cost energy to customers
- Supporting new generation development, including renewable energy
- Strengthening the transmission grid by providing system redundancy and increasing reliability
- Increasing property tax revenues to local governments



ITC Midwest and Xcel Energy have developed preliminary route options for the proposed project. These initial route options have been developed in the interest of obtaining feedback as our studies proceed. These route options are likely to change based on further study and feedback. The routes are presented in the map below and are available to view in detail at huntleywilmarth.com.

These dashed lines represent multiple preliminary route options. The route options are presented for comment and are subject to change.



The proposed project requires approval from the Minnesota Public Utilities Commission for a Certificate of Need and for a Route Permit. In the Certificate of Need proceeding, the Commission will determine whether the project is needed and the appropriate size, configuration and timing for the project. If the Commission determines that the project is needed, they will then determine the route for the project. There are multiple opportunities for stakeholder and public input in both of these proceedings. ITC Midwest and Xcel Energy anticipate submitting the Certificate of Need and Route Permit applications in the fall of 2017.

You can submit questions or comments by calling our toll-free number 1.855.839.8865 or send an email to huntleywilmarth@xcelenergy.com. The latest project information is also available at huntleywilmarth.com

Appendix I

Protected and Confidential – Natural Heritage Information and Archeological and Historic Resource Maps

The Appendix I maps have been provided under separate cover to the Minnesota Department of Commerce, Energy Facility Permitting for their review. These maps show the specific locations of sensitive archaeological, historic, and natural resource sites. Xcel Energy and ITC Midwest request that this data remain non-public for the following reasons:

National Heritage Information Database: Xcel Energy and ITC Midwest obtained data from the Minnesota Department of Natural Resources that identify specific sites of Threatened and Endangered species data under a license that restricts the display of this data. The non-public nature of this data assist in limiting the possibility of these sites being compromised. Xcel Energy and ITC Midwest did not include this data on public maps and respectfully requests that this data remain non-public.

Archaeological and Historic Resources: Xcel Energy and ITC Midwest obtained data from the Minnesota State Historic Preservation Office. Access to this data is granted by the agency only when the requesting party demonstrates a legitimate research interest. Reports that are widely distributed to the public should avoid identifying site locations. Xcel Energy and ITC Midwest did not include this data on public maps and respectfully requests that these data remain non-public.

APPENDIX J

List of Landowners Along and Adjacent to Route Options

**Appendix J -
List of Landowners Along the Proposed Route Options**

Name	City	State	Zip
AALID MICHAEL A	MANKATO	MN	56001
ADAMS DONALD J & ADAMS LORNA M TRUST AGMT	SAINT CLAIR	MN	56080
AHLSCHLAGER CHRISTOPHER & JILL	WASECA	MN	56093
AHLSCHLAGER CHRISTOPHER L & JILL M	WASECA	MN	56093
ALBRECHT FAMILY TRUST	NORTH MANKATO	MN	56003
ALLEN MARGARET L	MANKATO	MN	56001
ALLEVEN DANIEL J & SUSAN J	GOOD THUNDER	MN	56037
ALLIANCE PIPELINE INC	CALGARY	AB	
ALMHJELD DIANE	NORTH MANKATO	MN	56003
ANDERSON BRUCE C	NICOLLET	MN	56074
ANDERSON EMMA M & ANDERSON DONALD L	LAKE CRYSTAL	MN	56055
ANDERSON JASON L	GOOD THUNDER	MN	56037
ANDERSON KRISTINE M	KASOTA	MN	56050
ANDERSON LARRY & KOREEN MARIE	GOOD THUNDER	MN	56037
ANDERSON PAUL B & JULIE L REV TRUSTS	LAKE CRYSTAL	MN	56055
ANDERSON PAUL M	MANKATO	MN	56001
ANDERSON ROBERT O & BETTY A	MANKATO	MN	56001
ANDREW S BIRR	MAPLETON	MN	56065
ANNIS ROBERT J & CAROL A JT REV TR AGMT	MAPLETON	MN	56065
ANNJANETTE M JENKINS REV TRUST	ROLETTE	ND	58366
ANTHONY J & LETA L ALLEVEN	WINNEBAGO	MN	56098
ANTHONY L BACH & FRANCIS J BACH	MAPLETON	MN	56065
APPEL DON J & ARLENE	MAPLETON	MN	56065
APPEL DON J, JASON P & DANIEL J	MAPLETON	MN	56065
APPEL DONAVON J (CFD)	MAPLETON	MN	56065
ARNDT JON D	EAGLE LAKE	MN	56024
BABCOCK MARTY R & REBECCA L	MANKATO	MN	56001
BACKUS JANE THORNTON & EBERHART EMILY J	OLDSMAR	FL	34677
BAILEY RICHARD E & BERNICE L RV FM TSTS	WINNEBAGO	MN	56098
BAILEY W BLAIR REVOCABLE TRUST	WINNEBAGO	MN	56098
BARKE VICTOR P & KATHLEEN L LIVING TRUST	MANKATO	MN	56001
BARRY L & JOY K MARSH	WINNEBAGO	MN	56098
BARTSCH ROY & JOHN V	MANKATO	MN	56001
BATEMAN EDITH M	MANKATO	MN	56001
BAUMGARD FREDERICK & RAYMOND	GARDEN CITY	MN	56034
BAUMGARD MELVIN	VERNON CENTER	MN	56090
BAUMGARD RAYMOND & FREDERICK	GARDEN CITY	MN	56034
BD FARMS LLC	MANKATO	MN	56001
BEADELL AGENCY INC	MANKATO	MN	56001
BEADELL QUENTIN L	MANKATO	MN	56001
BEADELL QUENTIN L & CAROLINE A (LE)	MANKATO	MN	56001
BECTHOLD CHRISTOPHER A	LAKE CRYSTAL	MN	56055
BENSHOOF BRIAN D & NANCY A	LAKE CRYSTAL	MN	56055
BERDAN CATHERINE E	NORTH MANKATO	MN	56003
BERGEMANN DUANE W & KAREN LEE (LE)	NEW ULM	MN	56073
BERGEMANN HILBERT & ARLENE	GOOD THUNDER	MN	56037

Appendix J -
List of Landowners Along the Proposed Route Options

Name	City	State	Zip
BERNARD F & MARGARET A SONNEK	EASTON	MN	56025
BESTMAN JENNIFER E & BESTMAN JOHN W	LONGVILLE	MN	56655
BESTMANN GARY A & DONNA	REDWOOD FALLS	MN	56283
BESTMANN GARY, STEVEN & DAVID	GROVE	OK	74344
BESTMANN MARK STEVEN	GROVE	OK	74344
BETHANY LUTHERAN CHURCH	LAKE CRYSTAL	MN	56055
BIEDSCHEID SCOTT L	LE SUEUR	MN	56058
BIELLEN WILLIAM S	MADISON LAKE	MN	56063
BIG GAIN INC	MANKATO	MN	56002
BINDIG BRADLEY	GOOD THUNDER	MN	56037
BIRR DARRIN J & CASSIE M (CFD)	GOOD THUNDER	MN	56037
BLAIR JOSHUA J & TARA K	WINNEBAGO	MN	56098
BLASCHKO KEITH & SHELLY	MANKATO	MN	56001
BLOM DAVID & DONNA BLOM	NORTH MANKATO	MN	56003
BLUE EARTH COUNTY	MANKATO	MN	56002
BLUE EARTH NICOLLET CO-OP ASSN	MANKATO	MN	56002
BLUE EARTH NICOLLET FARIBAULT COOP ELECTRIC ASSN	MANKATO	MN	56002
BLUE EARTH-NICOLLET CO-OP E	MANKATO	MN	56002
BOHNERT RODNEY W & JULIE A	MANKATO	MN	56001
BONNETT DANIEL W & EDITH A TR AGMTS (CFD)	AMBOY	MN	56010
BONNETT DANIEL W & EDITH A TRUST AGMTS	AMBOY	MN	56010
BORCHARDT DONNA J	GOOD THUNDER	MN	56037
BORGMEIER CHAD M	MANKATO	MN	56001
BORGMEIER ROGER R & PATRICIA E TRUSTS	MANKATO	MN	56001
BORGMEIER SCOTT M & CORRALEE J	MADISON LAKE	MN	56063
BORKENHAGEN BRAD	LEWISVILLE	MN	56060
BORKENHAGEN MARVIN FARMS INC	AMBOY	MN	56010
BORN KIM L	JANESVILLE	MN	56048
BOWE PAUL G	MANKATO	MN	56001
BRADLEY STEVERMER	EASTON	MN	56025
BRANDTS TREVOR	LAKE CRYSTAL	MN	56055
BRASE ALICE A	GOOD THUNDER	MN	56037
BREKKE KERRY A (CFD)	PLYMOUTH	MN	55441
BRENNER DALE H	MANKATO	MN	56001
BRENNER ODELLA A	MANKATO	MN	56001
BRIAN HARGRAVES	HOUSTON	TX	77065
BROUWER TODD A & CINDY C	MANKATO	MN	56001
BROWN RICHARD & TERRY FAMILY TRUST	NICOLLET	MN	56074
BROWN RICHARD & TERRY FAMILY TRUST	NORTH MANKATO	MN	56003
BRUCE & VERMINDA ANNIS	KASOTA	MN	56050
BRUDE FAMILY TRUST	MANKATO	MN	56001
BRUEGGER LARRY & MARGO BRUEGGER	NORTH MANKATO	MN	56003
BRUELS FAMILY TRUST	MANKATO	MN	56001
BRUNZ CONSTRUCTION COMPANY INC	MADISON LAKE	MN	56063
BUESING CLOTILDA M (LE)	ROCHESTER	NY	14626
BULAWSKI LUCAS T	MANKATO	MN	56001

**Appendix J -
List of Landowners Along the Proposed Route Options**

Name	City	State	Zip
BURG KEITH & LARINDA BURG	NORTH MANKATO	MN	56003
BURK DAVID D & KRISTIN H	AMBOY	MN	56010
BURNETT STEVEN R TRUST	NORTH MANKATO	MN	56003
BURNETT STEVEN R TRUST	NORTH MANKATO	MN	56003
BUTLER FARMS INC	WINNEBAGO	MN	56098
C R WINCH TRUST	WINNEBAGO	MN	56098
CALDWELL ARDEN E & DORIS L	AMBOY	MN	56010
CALDWELL DEAN & GARY	AMBOY	MN	56010
CALDWELL DEAN R & GARY	AMBOY	MN	56010
CALDWELL DEAN, RAY & GARY	AMBOY	MN	56010
CALDWELL FINISHING INC	AMBOY	MN	56010
CALDWELL JOEL & TAMARA	AMBOY	MN	56010
CALDWELL JOEL A & TAMARA K	AMBOY	MN	56010
CAMPBELL P,R & T & MELVIN TRST	LAKE CRYSTAL	MN	56055
CAMPBELL RALPH W & PAUL R	LAKE CRYSTAL	MN	56055
CAREY MICHAEL J & CONNIE M	LONSDALE	MN	55046
CAREY PATRICK J	MAPLETON	MN	56065
CAREY PATRICK J (CFD)	MAPLETON	MN	56065
CARL D & MERRY JO ORR	SHAKOPEE	MN	55379
CARLYN W & JAMI COLE	SAUK CENTRE	MN	56378
CAVEN MICHAEL J	AMBOY	MN	56010
CAVEN PAT J & GAIL J	AMBOY	MN	56010
CAVEN PATRICK J & GAIL J	AMBOY	MN	56010
CAVEN WILLIAM D & ELEANOR C REV TRSTS	MANKATO	MN	56001
CHARLES & CORRINE R PRESCHER	BLUE EARTH	MN	56013
CHARLES & LUCILLE M WILLETTE	DELAVAN	MN	56023
CHARLES C DIEGNAU IRREV TRUST	HUNTLEY	MN	56047
CHARLES E OLIVER	BLUE EARTH	MN	56013
CHICAGO & NW TRANS CO	OMAHA	NE	68179
CITY OF MANKATO	MANKATO	MN	56002
CLEMENT J & KAREN M MANDERS	EASTON	MN	56025
COLLEEN MARIE BRESSLER (LIFE ESTATE)	WINNEBAGO	MN	56098
COLLETTE J MEIDINGER & GERALD J MEIDINGER	WINNEBAGO	MN	56098
CONNOR DOUGLAS K REVOCABLE TRUST	BELVIDERE	IL	61008
CORNISH GORDON C & JANA	MANKATO	MN	56001
COUGHLAN QUARRIES LLC	NORTH MANKATO	MN	56003
COUGHLAN QUARRIES LLC (CFD)	NORTH MANKATO	MN	56003
COVEY MARGARET R (LE)	VERNON CENTER	MN	56090
COVEY SUSAN KAY	ORR	MN	55771
CRAIG & DEBORAH SINNING	MANKATO	MN	56001
CRAIG S & TONIA J WEIR	DELAVAN	MN	56023
CROSWELL FAMILY TRUST & KATHLEEN	NORTH MANKATO	MN	56003
DAHLE MARCIA E, BINDIG B & JANS B	OWATONNA	MN	55060
DAHLSTROM AG INC	BLOOMINGTON	IN	47401
DAKOTA, MN & EASTERN RR CO	MINNEAPOLIS	MN	55402
DALE LOIS E	BEMIDJI	MN	56601

**Appendix J -
List of Landowners Along the Proposed Route Options**

Name	City	State	Zip
DALY PATRICK D	STURGIS	SD	57785
DAMIAN PRESCHER	DELAVAN	MN	56023
DAMIAN PRESCHER & CHARLES PRESCHER	DELAVAN	MN	56023
DANIEL CYRIL MURPHY INS TRUST	LAKE BARRINGTON	IL	60010
DARIN & RACHEL JOHNSON	WELLS	MN	56097
DARIN L SCHERER	ROCHESTER	MN	55906
DARRELL L & VIRGINIA EASTVOLD	MANKATO	MN	56001
DARRELL ZIMMERMAN FAMILY TRUST	ELMORE	MN	56027
DAUER DUSTIN J	LAKE CRYSTAL	MN	56055
DAUER PERRY E & BETHANY L	MANKATO	MN	56001
DAVID P SONNEK	DELAVAN	MN	56023
DAVIS BARBARA J (LE)	LAKE CRYSTAL	MN	56055
DAVIS DWIGHT R & MILDRED L (LE)	AMBOY	MN	56010
DAVIS JEFFERY M & CHRISTI E	LAKE CRYSTAL	MN	56055
DAVIS JEFFREY M	LAKE CRYSTAL	MN	56055
DAVIS LLOYD R & ELSIE D (LE)	LAKE CRYSTAL	MN	56055
DAVIS ROBERT J & TRACY L	MANKATO	MN	56001
DCJK LLC	MANKATO	MN	56001
DEL-ANNE CORPORATION	MANKATO	MN	56001
DENN BRUCE & LORRY	MAPLETON	MN	56065
DENNIS R BAXTER	YUMA	AZ	85367
DEPUYDT MARK I & TERESA L	MANKATO	MN	56001
DEWITZ DEAN W & CAROL	GOOD THUNDER	MN	56037
DEWITZ FARMS INC	GOOD THUNDER	MN	56037
DEWITZ MARK A	GOOD THUNDER	MN	56037
DIEL DEAN W	MANKATO	MN	56001
DIESCH ROBERT H & CARLA J	MANKATO	MN	56001
DM & E RAILROAD	MINNEAPOLIS	MN	55402
DOBIE JOSEPH M REV TRUST	SAINT PETER	MN	56082
DOEDDING DARLENE M (LE)	GOOD THUNDER	MN	56037
DOERING ROYCE M & SHARON E (LE)	GOOD THUNDER	MN	56037
DONALD H COLE TESTMNTY TRUST & NANCY L COLE RE	WINNEBAGO	MN	56098
DONALD NIENHAUS	WINNEBAGO	MN	56098
DONALD W & JULIE A HOFFMAN	WINNEBAGO	MN	56098
DONNA B BAUMAN (LIFE ESTATE)	MAPLE GROVE	MN	55369
DOROTHEA A HADLICK (LIFE ESTATE)	BLUE EARTH	MN	56013
DOUGLAS J BAXTER	WINNEBAGO	MN	56098
DOUGLAS J SANDERS	AMBOY	MN	56010
DOUGLAS KRINKE	BLUE EARTH	MN	56013
DOUGLAS MEYER	WINNEBAGO	MN	56098
DOUGLAS W JENKINS IRREV TRUST	WINNEBAGO	MN	56098
DOUGLAS W JENKINS IRREV TRUST & NANCY E JENKINS	WINNEBAGO	MN	56098
DOYEN KEVIN & JENNIFER	TRUMAN	MN	56088
DOYEN MICHAEL R & KAREN K	GOOD THUNDER	MN	56037
DRUMMER KEVIN P	MANKATO	MN	56001
DUANE HAGEN	WINNEBAGO	MN	56098

Appendix J -
List of Landowners Along the Proposed Route Options

Name	City	State	Zip
DUNCANSON DALE K FAM SH TR & PATRICK D	MAPLETON	MN	56065
DUNCANSON PATRICK D & KRISTIN W	MAPLETON	MN	56065
DURENBERGER KENT S REVOCABLE TRUST	NORTH MANKATO	MN	56003
EASTSIDE KATO PARTNERS LLC	MANKATO	MN	56001
EBERHART AARON	MADELIA	MN	56062
EEKHOFF BRIAN S	MANKATO	MN	56001
EISCHEN ROBERT J	MANKATO	MN	56001
EJMMS LLP	AMES	IA	50010
ELDON F & OPAL M JONES	WINNEBAGO	MN	56098
ELEANOR RATH	EASTON	MN	56025
ELFRINK ROGER D & CHERYL N ELFRINK	NORTH MANKATO	MN	56003
EMBACHER MAX	NICOLLET	MN	56074
ERICKSON GENE C & JANICE I	GOOD THUNDER	MN	56037
ESTES EXPRESS LINES	RICHMOND	VA	23230
EVAN CHARLES E & JOAN M	MINNESOTA LAKE	MN	56068
EWERT VERNEIL	SHAKOPEE	MN	55379
FAHRFORTH CONNIE M TRUST AGMT	PRIOR LAKE	MN	55372
FARIBAULT CO AGR SOCIETY	BLUE EARTH	MN	56013
FERRELLGAS LP	LIBERTY	MO	64068
FIELDS MICHAEL K	MINNESOTA LAKE	MN	56068
FIELDS MICHAEL K (CFD)	MINNESOTA LAKE	MN	56068
FITZLOFF C & B REVOCABLE TRUST	MANKATO	MN	56001
FITZSIMMONS ROBERT FAMILY LP	GOOD THUNDER	MN	56037
FITZSIMMONS ROBERT FAMILY LP	MAPLETON	MN	56065
FLAGSHIP PORK PROPERTIES LLP	MAPLETON	MN	56065
FLAGSHIP PORK PROPERTIES LLP	MAPLETON	MN	56065
FLEMING STANLEY M & LINDA M	MANKATO	MN	56001
FLOYD E KESSELRING TEST'Y TRST	WINNEBAGO	MN	56098
FOSTER KAREN J	WINNEBAGO	MN	56098
FRANCES E FENSKE	BLUE EARTH	MN	56013
FREDERICKSEN PROPERTIES LLP	FORSYTH	IL	62535
FRENZEL DONALD JR & JODEE	MANKATO	MN	56001
FRENZEL ESTATES OWNERS ASSN	MANKATO	MN	56001
FRETTY FAMILY PROPERTIES	FAIRMONT	MN	56031
FREUNDL RONALD	NORTH MANKATO	MN	56003
FREY JOHN E & ANNE K	MANKATO	MN	56001
FREYBERG LYNN & GERLACH LEAH	MANKATO	MN	56002
FREYBERG PROPERTIES LLC	MADISON LAKE	MN	56063
FRITZ MARVIN & LEONARD	MAPLETON	MN	56065
FURLAND LARRY D	LAKE CRYSTAL	MN	56055
G & M WARNER PROPERTIES LLC	NORTH MANKATO	MN	56003
GAG IRENE H	MANKATO	MN	56001
GAG LARRY	MANKATO	MN	56001
GAHL DAVID	JANESVILLE	MN	56048
GAHL DAVID A	JANESVILLE	MN	56048
GAHL NANCY	EDEN PRAIRIE	MN	55347

**Appendix J -
List of Landowners Along the Proposed Route Options**

Name	City	State	Zip
GARMAN JACOB	GOOD THUNDER	MN	56037
GARY & DIANE BECKER	BLUE EARTH	MN	56013
GARY & LINDA ENGELBY	WINNEBAGO	MN	56098
GARY GOODRICH	BLUE EARTH	MN	56013
GATCHELL JAMES E & MARGARET M	LAKE CRYSTAL	MN	56055
GEORGE A & NAOMI L PAUL	EASTON	MN	56025
GEORGE A & NAOMI L PAUL (LIFE ESTATE)	EASTON	MN	56025
GEORGE A PEPPARD TRUST	TRUMAN	MN	56088
GERMO CLARICE L (LE)	MAPLETON	MN	56065
GIBBS FAMILY REALTY LLC	MAINEVILLE	OH	45039
GILMAN EDWARD C	LAKE CRYSTAL	MN	56055
GILMAN PHYLLIS M	LAKE CRYSTAL	MN	56055
GOEBEL DELMER V & BETTY A	EAGLE LAKE	MN	56024
GOEBEL DELMER V & BETTY ANN	EAGLE LAKE	MN	56024
GOEBEL EDWARD A	MANKATO	MN	56001
GOEBEL GORDON J & BINETTE K	MANKATO	MN	56001
GOEBEL JAMES L & NICOLE A	NORTH MANKATO	MN	56003
GOEBEL NICOLE ANNE	NORTH MANKATO	MN	56003
GOETTL FAMILY REVOCABLE LIV TR	MANKATO	MN	56001
GOETTL FRANCIS J & BARBARA	MANKATO	MN	56001
GOETTL JAMES F	MANKATO	MN	56001
GOETTL JOSEPH R & VICTORIA L REV TRUSTS	MANKATO	MN	56001
GOETTL LAVERN F & JOAN MARY	MANKATO	MN	56001
GOETTL RALPH F & RITA V (LE)	MANKATO	MN	56001
GOETTL TERRY & BLOCK CATHERINE	NORTH MANKATO	MN	56003
GOETTL THEODORE C	LAKE CRYSTAL	MN	56055
GOETTLICHER ANDREW J & CARRIE C GOETTLICHER	NORTH MANKATO	MN	56003
GOETTLICHER BRADLEY J	NORTH MANKATO	MN	56003
GOETTLICHER CHARLES A & CATHERINE GOETTLICHER	NORTH MANKATO	MN	56003
GOETTLICHER EDWIN H & MARGARET T GOETTLICHER	NORTH MANKATO	MN	56003
GOODRICH DUANE C & LEEANN K	MAPLETON	MN	56065
GOODRICH EVAN S	MANKATO	MN	56001
GRABOUSKI ENTERPRISES	WINNEBAGO	MN	56098
GREGG D OLSON	AMBOY	MN	56010
GREGORY & ANNETTE JENKINS	WINNEBAGO	MN	56098
GRIFFIN JANE ANN	GOOD THUNDER	MN	56037
GRIFFITHS GWESYN E JR	LAKE CRYSTAL	MN	56055
GRIMSHAW EMILY J	NORTH MANKATO	MN	56003
GROH FAMILY LTD PARTNERSHIP	LOVELAND	CO	80537
GROMMERSCH JOHN L	NORTH MANKATO	MN	56003
GRONEWOLD MARK & LILLIAN LIV TRSTS	MADELIA	MN	56062
GROVER NEAL C & SHELLI R	AMBOY	MN	56010
GULLICKSON JAMES & SHANNON GULLICKSON	NORTH MANKATO	MN	56003
GUSTAFSON H JOHN & KARI K	LAKE CRYSTAL	MN	56055
HAALA CHARLES P & LAURAL K	MANKATO	MN	56001
HAGGE RUTH	NORTH MANKATO	MN	56003

Appendix J -
List of Landowners Along the Proposed Route Options

Name	City	State	Zip
HANSON PAUL G	LAKE CRYSTAL	MN	56055
HARBO PAMELA J	LAKE CRYSTAL	MN	56055
HARKLAU LEASING LLC	HUMBOLDT	IA	50548
HARLAN C OLSON & EILEEN M OLSON (CO-TRUSTEES)	WINDOM	MN	56101
HARLAN HALL	BLUE EARTH	MN	56013
HARMS ROLAND L & NORMA V REV TRSTS AS AMDED	GOOD THUNDER	MN	56037
HAROLD H & BEVERLY GRABOUSKI	WINNEBAGO	MN	56098
HAROLD H & BEVERLY J GRABOUSKI	WINNEBAGO	MN	56098
HAROLD M SWENSON TEST'Y TRUST	EASTON	MN	56025
HAROLDSON PHYLLIS J	AMBOY	MN	56010
HARROUN GEORGE	MANKATO	MN	56001
HARRY PALMER WOODS LLC	MANKATO	MN	56001
HARVEST STATES COOPERATIVE	SAINT PAUL	MN	55164
HARVEY A & VIRGINIA J HANEL	MANKATO	MN	56001
HEANEY MARY R & PICK RONALD	SAVAGE	MN	55378
HEINS JAMES E	VERNON CENTER	MN	56090
HEINZE ROBERT	EAGLE LAKE	MN	56024
HEITNER DEAN M & SYLVIA P	MANKATO	MN	56001
HELEN M NELSON REVOC TRUST	TUCSON	AZ	85704
HELLEKSON DOUGLAS & LEE CAROL A	VERNON CENTER	MN	56090
HENDRICKSON CONNIE	NORTH MANKATO	MN	56003
HENDRICKSON MARCUS C & MARGY R	MANKATO	MN	56001
HIERS MICHELLE ANN & NELSON PAUL EDWARD	LAKE CRYSTAL	MN	56055
HIGH INVESTMENTS LLC	MANKATO	MN	56001
HIGH KEITH W & MARGARET L	MANKATO	MN	56001
HINIKER DANIEL G & KAROLYNN	MANKATO	MN	56001
HINIKER DANIEL G & KAROLYNN B	MANKATO	MN	56001
HINIKER LEONARD D & KATHERINE	MANKATO	MN	56001
HINIKER PHYLLIS C	NORTH MANKATO	MN	56003
HINIKER STEVEN J & JULIE A HINIKER	NORTH MANKATO	MN	56003
HINTON PROPERTIES LLP	SAINT PETER	MN	56082
HODAPP FAMILY TRUST	MANKATO	MN	56001
HODAPP GERALD C & ARLENE	MANKATO	MN	56001
HODAPP GERALD C & ARLENE P	MANKATO	MN	56001
HOECHST DEAN P & LOIS J	MANKATO	MN	56001
HOEHN STEVEN & LISA	GOOD THUNDER	MN	56037
HOFFMAN LARRY	GOOD THUNDER	MN	56037
HOFFMAN LARRY M	GOOD THUNDER	MN	56037
HOFFMAN LARRY, DALE & STEVEN	GOOD THUNDER	MN	56037
HOFFMAN STEVEN	MANKATO	MN	56001
HOHENSTEIN JEFF	GARDEN CITY	MN	56034
HOLLERICH BRADLEY N	GOOD THUNDER	MN	56037
HOLLERICH LARRY A & MAUREEN C	AMBOY	MN	56010
HOLLERICH MATT J	GOOD THUNDER	MN	56037
HOLLERICH VICKIE L TRUST AGREEMENT	GOOD THUNDER	MN	56037
HOLMAN BONNIE P REVOCABLE TRUST	MINNEAPOLIS	MN	55437

**Appendix J -
List of Landowners Along the Proposed Route Options**

Name	City	State	Zip
HOLMES HEIDI M	MANKATO	MN	56001
HOLMES PATRICK	MANKATO	MN	56001
HOLMES PATRICK G	MANKATO	MN	56001
HOPKINS LAYNE V & KAREN L	MANKATO	MN	56001
HOWARD REYNOLDS	WINNEBAGO	MN	56098
HOWARD W & JOANN S LANGE	BLUE EARTH	MN	56013
HOYER FERN E	GOOD THUNDER	MN	56037
HUBMER ROGER E	MANKATO	MN	56001
HUBMER ROGER E & DAWN	MANKATO	MN	56001
HUDRLIK JACQUELINE A	OMAHA	NE	68154
HUEBSCH DENNIS D & BARBARA J	GOOD THUNDER	MN	56037
HUEBSCH HARLAND W & BONNIE L	GOOD THUNDER	MN	56037
HUGHES HELEN L FAMILY TRUST	MANKATO	MN	56001
HYLEN DENNIS S & DARREL S	MANKATO	MN	56001
IKIER DEAN	VERNON CENTER	MN	56090
ISAKSSON BERTOLA & LILLO KIRSTEN	MANKATO	MN	56001
ITC MIDWEST LLC	NOVI	MI	48377
J & J PROPERTY LLC	MANKATO	MN	56001
J F BUTLER TST & L BUTLER	WINNEBAGO	MN	56098
JACOBSON KAREN A	SAINT JOE	AR	72675
JACQUELINE K JENKINS	GRANADA	MN	56039
JAEGER JANEEN M	MANKATO	MN	56001
JAMES & RITA K TIBODEAU	DELAVAN	MN	56023
JAMES B BARR & JUDITH M LUEDTKE	AMBOY	MN	56010
JAMES C WHITNEY	BLUE EARTH	MN	56013
JAMES ELMER DAHLSTROM	BLOOMINGTON	IN	47401
JAMES G & MARY MURRY (LIFE ESTATE)	DELAVAN	MN	56023
JAMES JOHNSTONE & WAYNE DAVIS	KASOTA	MN	56050
JAMES L & JONI J SPENGER	MANKATO	MN	56001
JAMES L SCHERER FAMILY TRUST	NORTHFIELD	MN	55057
JAMES R & CAROLYN A WILLETTE	EASTON	MN	56025
JANET GRABOUSKI	WINNEBAGO	MN	56098
JANET L ZIMMERMAN FAMILY TRUST	ELMORE	MN	56027
JASON P MCCUE & KELLY MCCUE BOWER	MINNESOTA LAKE	MN	56068
JASON R ENGELBY	WINNEBAGO	MN	56098
JAVENS JEAN E	MANKATO	MN	56001
JAVENS KENNETH L & JODY J	MANKATO	MN	56001
JAVENS PROPERTIES LLC	MANKATO	MN	56001
JEANNETTE M KERR	GREEN VALLEY	AZ	85614
JEFFREY E & MARY M OVREBO	WELLS	MN	56097
JOANN M & HOWARD W LANGE	BLUE EARTH	MN	56013
JOEL W MIETZNER	OMAHA	NE	68154
JOHN F BUTLER TRUST & LEONORA M BUTLER	BLUE EARTH	MN	56013
JOHN P LATUSEK	DIKE	IA	50624
JOHNSON ANDREW J & AMBER L	NORTH MANKATO	MN	56003
JOHNSON CLAYTON L & JULEE M JOHNSON	NORTH MANKATO	MN	56003

Appendix J -
List of Landowners Along the Proposed Route Options

Name	City	State	Zip
JOHNSON GLENETTE	NORTH MANKATO	MN	56003
JOHNSON JAMES L	MANKATO	MN	56001
JOHNSON LEE R & AUDREY	LAKE CRYSTAL	MN	56055
JOHNSON LEE R & AUDREY A	LAKE CRYSTAL	MN	56055
JOHNSON MARLYS M, GREGORY S, JOEL J & OBEY PAMEL	SAINT CLAIR	MN	56080
JOHNSON ROBIN C	LAKE CRYSTAL	MN	56055
JOHNSON TRISHAUNA P	MANKATO	MN	56001
JOHNSON WALTER C & JAMES R JOHNSON	NORTH MANKATO	MN	56003
JON B ANDERSEN	NORTH MANKATO	MN	56003
JONES DUANE A	LAKE CRYSTAL	MN	56055
JONES ELIZABETH M & JONES TIMOTHY K	NICOLLET	MN	56074
JONES LORI D REVOCABLE TRUST	LINCOLN	NE	68512
JONES MIRIAM WIGLEY	LAKE CRYSTAL	MN	56055
JOSEPH A TRIO	EASTON	MN	56025
JOSHUA J & TARA K BLAIR	WINNEBAGO	MN	56098
JUDSON BOTTOM ROAD LLP	NORTH MANKATO	MN	56003
JUDSON IMPLEMENT INC	LAKE CRYSTAL	MN	56055
JUERGENS MICHAEL P	AMBOY	MN	56010
JUERGENS PAUL H & CAROL K	AMBOY	MN	56010
JULIAR DONOVAN & BARBARA L	GOLDEN VALLEY	MN	55422
K & L PORK LLC	GOOD THUNDER	MN	56037
K & S MALECHA INVESTMENTS	APPLE VALLEY	MN	55124
KACHELMYER JOHN L & KATHLEEN K	MANKATO	MN	56001
KATHLEEN WIEDERHOLT (LIFE EST) ETAL & LEONA M MA	WINNEBAGO	MN	56098
KAUL WILLIS H & ARDIS H	GOOD THUNDER	MN	56037
KEDZIE FARMS LLC	GOWER	MO	64454
KEINZ MICHAEL	KASOTA	MN	56050
KEITH & RONDA COOPER	WINNEBAGO	MN	56098
KELLEY KATHRYN A	GARDEN CITY	MN	56034
KENNETH & BONITA M BABCOCK	DELAVAN	MN	56023
KENNETH & MARGARET NAGEL	BLUE EARTH	MN	56013
KENNETH & OPAL EMERY REV TRUST	VERNON CENTER	MN	56090
KEVIN MARSH	DELAVAN	MN	56023
KEVIN R & JANNETTE K WALKER	DELAVAN	MN	56023
KEVIN R WALKER	DELAVAN	MN	56023
KIETZER DELPHIN D & DORIS (LE)	VERNON CENTER	MN	56090
KIETZER MARILYN J (LE)	VERNON CENTER	MN	56090
KINDER MORGAN COCHIN LLC	HOUSTON	TX	77210
KING RANDALL S & SARAH J KING	NORTH MANKATO	MN	56003
KIP W & DEBRA S HERRMANN	DELAVAN	MN	56023
KLEINOW DENNIS L & KANDY A	MANKATO	MN	56001
KNEWTSON PATRICIA M	FAIRMONT	MN	56031
KNUTSON MARLIN L & LORRAINE M	SAINT PETER	MN	56082
KOLLOS KEVIN K & DANA J	MAPLETON	MN	56065
KONE AMADOU & MARTIN-KONE MARY	WASHINGTON	DC	20007
KOPISCHKE DOUGLAS A	MAPLETON	MN	56065

**Appendix J -
List of Landowners Along the Proposed Route Options**

Name	City	State	Zip
KOTTHOFF MARY E, THOMAS J & PATTI L	MANKATO	MN	56001
KRAHLING CAROL LLOYD	LAKE CRYSTAL	MN	56055
KRENGEL FAMILY FARMS LLC	MAPLETON	MN	56065
KREUER HAZEL	NORTH MANKATO	MN	56003
KREUTZER PAUL R & ARLENE D	MANKATO	MN	56001
KRUSE BETTY LOU	WELLS	MN	56097
KRUSE DANIEL J	MANKATO	MN	56001
KRUSE DAVID J	MANKATO	MN	56001
KRUSE JEAN	MANKATO	MN	56001
KRUSE RONALD A	MANKATO	MN	56001
KUNKEL LYNDON B	GOOD THUNDER	MN	56037
KURT & SHERRY ABEL REVOC TRUST	WINNEBAGO	MN	56098
KUTZ JON ROBERT	LAKE CRYSTAL	MN	56055
KUZNIA HOLDINGS LLP	LAKE CRYSTAL	MN	56055
KWOLEK THOMAS F & SANDRA K	MANKATO	MN	56001
LABORDE ROY R & BETTY J	GOOD THUNDER	MN	56037
LACHMILLER RAYMOND TRUST	GOOD THUNDER	MN	56037
LAFE IOERGER	DELAVAN	MN	56023
LAFE IOERGER (LIFE ESTATE)	DELAVAN	MN	56023
LAITENBERGER DARWIN & RONALD	MINNESOTA LAKE	MN	56068
LANDSTEINER F & S TRUSTS	MANKATO	MN	56001
LANDSTEINER JACLYN A	MAPLETON	MN	56065
LANDSTEINER JAMES F	MAPLETON	MN	56065
LANDSTEINER JAMES F & JACLYN	MAPLETON	MN	56065
LANDSTEINER JOAN M	MINNESOTA LAKE	MN	56068
LANDSTEINER LAWRENCE	MINNESOTA LAKE	MN	56068
LANDSTEINER LAWRENCE B	MINNESOTA LAKE	MN	56068
LANDSTEINER MICHELLE M	MAPLETON	MN	56065
LANDSTEINER PAUL J	MAPLETON	MN	56065
LANGWORTHY GEORGE J & CHERYL J LIV TR	MAPLETON	MN	56065
LARON & CHRISTINE WERNER	BLUE EARTH	MN	56013
LARRY D & MYRNA PRANGE	DELAVAN	MN	56023
LARRY L SWENSON	EASTON	MN	56025
LARRY PAUL	EASTON	MN	56025
LARRY W & NANCY E JENKINS & MITCHELL D & LAURIE J J	WINNEBAGO	MN	56098
LARSON GERALD C & CAROL E	NEW ULM	MN	56073
LARSON JAMES H REVOCABLE TRUST	AMBOY	MN	56010
LARSON JOEL C & BEVERLY J	MANKATO	MN	56001
LAVINA BALLARD HINERMAN	PLEASANTON	CA	94588
LAYTON KAREN D	MISSION VIEJO	CA	92692
LEE O & LISA B MANTHEI	MAPLETON	MN	56065
LEFFEL ACRES LLC	MANKATO	MN	56001
LEIDING DENNIS L	MAPLETON	MN	56065
LEIDING LESTER TRUST & GENEVA	MAPLETON	MN	56065
LEORA L CALHOUN & HAZEL K MCCRURY REV LIVING TST	BLUE EARTH	MN	56013
LEORA U GILREATH	WINNEBAGO	MN	56098

**Appendix J -
List of Landowners Along the Proposed Route Options**

Name	City	State	Zip
LESTER & BONITA ANNEN	WINNEBAGO	MN	56098
LIME LAND INDUSTRIES LLC	MANKATO	MN	56001
LINDSAY SASH INC	NORTH MANKATO	MN	56003
LLOYD STEVEN P & LORI A	LAKE CRYSTAL	MN	56055
LMM FARMS LLC	NEW YORK	NY	10002
LOE GLENNA N	NORTH MANKATO	MN	56003
LOE MOLLY A	NORTH MANKATO	MN	56003
LOEFFLER STEPHANIE A B	EAGLE LAKE	MN	56024
LOIS C ANKENY (LIFE ESTATE)	BLUE EARTH	MN	56013
LORENTZ GERARD R	NORTH MANKATO	MN	56003
LORNA H BERTELS TRUST	WILLMAR	MN	56201
LOWE MARTIN D & LINDA L LOWE	NORTH MANKATO	MN	56003
LUEDTKE MARK & JUDITH M	AMBOY	MN	56010
LUELLA MAU (LIFE ESTATE)	WINNEBAGO	MN	56098
LUHRING FAMILY FARMS LLC	MAPLETON	MN	56065
LURA LAKE ASSOCIATION	WINNEBAGO	MN	56098
LYRA VALLEY VIEW LLC	MANKATO	MN	56002
MABELLE C LARSON	DELAVAN	MN	56023
MAGELLAN PIPELINE COMPANY LP	TULSA	OK	74121
MAGIC MEDIA REAL ESTATE LLC	DUNCAN	SC	29334
MAKER MURDOCK TRUST & ARDYS M	SAINT JOSEPH	MO	64505
MANGULIS MATTHEW G & JENNIFER	MANKATO	MN	56001
MANKATO ACOUSTICS INC	MANKATO	MN	56001
MANKATO CITIZENS TELEPHONE CO	MATTOON	IL	61938
MANKATO OIL CO	MANKATO	MN	56001
MANSKE ROBERT W & LYNN M	MANKATO	MN	56001
MANTHEI LEE O & TIMOTHY F	MAPLETON	MN	56065
MANTHEI TIMOTHY F & LEE O (CFD)	MAPLETON	MN	56065
MARIAN A MEYER (LIFE ESTATE)	WINNEBAGO	MN	56098
MARK C CRAVEN	FAIRMONT	MN	56031
MARSHA F PAUL	EASTON	MN	56025
MARTIN FAMILY REVOCABLE TRUST	FOUNTAIN HILLS	AZ	85268
MARVIN & LESLIE KIMM	MAPLETON	MN	56065
MARY JO CROWN	BLOOMINGTON	MN	55437
MARY KAYE SPRINGER	VICTORIA	MN	55386
MARY LARSON	WINNEBAGO	MN	56098
MARY S KUCHENBECKER TRUST	ELMORE	MN	56027
MARZINSKE FAMILY TRUST	MANKATO	MN	56001
MARZINSKE RONALD	MANKATO	MN	56001
MARZINSKE RONALD & ELAINE	MANKATO	MN	56001
MASSOP JOSEPH & SHIRLEY A	MAPLETON	MN	56065
MATZKE DWAYNE L REVOCABLE TRUST AGMT	GOOD THUNDER	MN	56037
MATZKE ELLEN D	MANKATO	MN	56001
MATZKE ROGER JEROME & CLEO MARIE	GOOD THUNDER	MN	56037
MAUREEN C HUBBARD	WINNEBAGO	MN	56098
MAURER DOROTHY A	LAKE CRYSTAL	MN	56055

**Appendix J -
List of Landowners Along the Proposed Route Options**

Name	City	State	Zip
MAURICE H & JANET T SCHIMEK REVOCABLE TRUSTS	EASTON	MN	56025
MAXFIELD DEANNE J	LAKE CRYSTAL	MN	56055
MAXIM R WINTERS	WINNEBAGO	MN	56098
MAXINE DURKEE REVOC TRUST & MAURICE DURKEE DISC	WINNEBAGO	MN	56098
MAY GLEND E & SANDRA A	MANKATO	MN	56001
MCGINNESS DONALD L REV TR & ANNETTE M TR	LAKE CRYSTAL	MN	56055
MCGREGOR BRUCE D FAMILY SHARE TR & GWENDOLYN	EAGAN	MN	55122
MEIXELL DOUGLAS D & LORI ANN	LAKE CRYSTAL	MN	56055
MENNENGA DONALD R	LAKE CRYSTAL	MN	56055
MENNENGA EVELYN B	LAKE CRYSTAL	MN	56055
MENSING WILLIAM & MARY C LIVING TRUSTS	MAPLETON	MN	56065
METTLER WAYNE J & LINDA L	LAKE CRYSTAL	MN	56055
MICHAEL G & TARA L BECKER	BLUE EARTH	MN	56013
MICHAEL J BUTLER	WINNEBAGO	MN	56098
MICHAEL K FIELDS	MINNESOTA LAKE	MN	56068
MICHAEL WILLETTE FAMILY DISCLAIMER TRUST	BLUE EARTH	MN	56013
MICHEL HANSON	NORTH MANKATO	MN	56003
MIESCKE WALTER O ESTATE	GOOD THUNDER	MN	56037
MIKE MENSING	BLUE EARTH	MN	56013
MIKKELSON GREGORY D	LAKE CRYSTAL	MN	56055
MIKKELSON GREGORY D	LAKE CRYSTAL	MN	56055
MIKKELSON PROPERTIES	LAKE CRYSTAL	MN	56055
MINN VALLEY BROADCASTING CO	MANKATO	MN	56002
MINNESOTA VALLEY LANDS INC	BLOOMINGTON	MN	55425
MOCK BARBARA J	RICHFIELD	MN	55423
MOE DARRYL E (CFD)	SAINT CLAIR	MN	56080
MOORE FAMILY HOLDINGS LLLP (CFD)	MAPLETON	MN	56065
MOORE JOEL M & MELANIE J	MAPLETON	MN	56065
MORGAN SCOTT C & JULIE C	MANKATO	MN	56001
MORGAN SHAWN T & JULIE A MORGAN	NORTH MANKATO	MN	56003
MOSES ROBERT A & DARLENE M	MAPLETON	MN	56065
MUELLER COREY A & JENNIFER M	NORTH MANKATO	MN	56003
MUELLER JARED M	LAKE CRYSTAL	MN	56055
MUELLER JEFFREY & ELIZABETH L MUELLER	NORTH MANKATO	MN	56003
MUELLERLEILE BROCK J & KAYLEY N (CFD)	MANKATO	MN	56001
MULENBURG JOSEPH & HANSON CHRIS	MAPLETON	MN	56065
MULLIN PHYLLIS M TRUST AGREEMENT	MANKATO	MN	56001
MURPHY LISA M	MANKATO	MN	56001
NEAL MENSING	BLUE EARTH	MN	56013
NELSON DENNIS W	MANKATO	MN	56001
NELSON MARLYS & JOHNSTON JANICE	WALDORF	MN	56091
NELSON MARLYS J & JOHNSTON JANICE L	WALDORF	MN	56091
NELSON RICHARD & IRIS	MANKATO	MN	56001
NIENOW CHERYL	MANKATO	MN	56001
NIENOW FAMILY LTD PARTNERSHIP	MAPLETON	MN	56065
NIENOW RICK	NORTH MANKATO	MN	56003

Appendix J -
List of Landowners Along the Proposed Route Options

Name	City	State	Zip
NILSON CORY G & GRETCHEN J	LAKE CRYSTAL	MN	56055
NILSON JUSTIN & SARA	LAKE CRYSTAL	MN	56055
NORMAN R & LILLIAN KOHLMAYER	BLUE EARTH	MN	56013
NORTH INDUSTRIAL ROAD COMPANY	WEBSTER	NY	14580
NORTHERN STATES POWER CO	MINNEAPOLIS	MN	55401
NORTHERN STATES POWER COMPANY	MINNEAPOLIS	MN	55401
OACHS BRANDON & HODGIN KARIE (CFD)	MANKATO	MN	56001
OACHS ROBERT J & LINDA S	MANKATO	MN	56001
OLSON DALLAS W	MAPLETON	MN	56065
OLSON DARRELL V	MINNESOTA LAKE	MN	56068
OLSON DONALD E	MANKATO	MN	56001
OLSON DONALD E	NEW ULM	MN	56073
OLSON GREGG D	AMBOY	MN	56010
OLSON GWENDOLYN B	AMBOY	MN	56010
OLSON LYNN S & MARIE F	AMBOY	MN	56010
OLSON NYLEEN	MANKATO	MN	56001
OLSON RONALD & JUDITH TRUST AGMT	WINNEBAGO	MN	56098
OPAFOR LLC	MANKATO	MN	56001
ORVAL GARTNER PROPERTIES LLC	MAPLETON	MN	56065
OWENS RAYMOND E	LAKE CRYSTAL	MN	56055
PACITTI PETER V & KATHLEEN F	LAKE FOREST	IL	60045
PAHL CORDELIA E (LE)	AMBOY	MN	56010
PAHL JAMES L & PEGGY E	VERNON CENTER	MN	56090
PAHL THELMA W	VERNON CENTER	MN	56090
PANOWITSCH HENRY R & KAREN J	SAINT PETER	MN	56082
PARSONS KIRK A	VERNON CENTER	MN	56090
PAT PARISH	STILLWATER	MN	55082
PATRICIA A LOONAN	EASTON	MN	56025
PATRICIA A LOONAN & THOMAS LOONAN & ROBERT LOC	EASTON	MN	56025
PATRICK A WILLETTE TSTY TRUST	MADISON LAKE	MN	56063
PATRICK D DALY	STURGIS	SD	57785
PATRICK W & LYNN MARIE FISCHER	EAGAN	MN	55122
PAULSON LARRY DALE	MANKATO	MN	56001
PAUTSCH AW & MATHIASON RA & MK	GOOD THUNDER	MN	56037
PEDERSEN NEIL A & BETTY C	LAKE CRYSTAL	MN	56055
PETERS DEAN & NORMA	GOOD THUNDER	MN	56037
PETERS TERRY S & PETERS ROBERT L	GOOD THUNDER	MN	56037
PETERS TERRY S & ROBERT L	GOOD THUNDER	MN	56037
PETERSON CHARLES & LETITIA	LAKE CRYSTAL	MN	56055
PETERSON CHARLES L & LETITIA	LAKE CRYSTAL	MN	56055
PETERSON JOHN B & GAIL K TRUST AGREEMENTS	LAKE CRYSTAL	MN	56055
PETERSON MARY H SNT TR, BACKUS J T, EBERHART E J	OLD SMAR	FL	34677
PETERSON QUENTIN R (LE)	NORTH MANKATO	MN	56003
PETERSON VERNON G & RITA L	RICHMOND	MN	56368
PHILLIPS B & T, SCHWEIM D & GROESKREUTZ C	MANKATO	MN	56001
PHILLIPS DANIEL P, MARTIN J & TIMOTHY P	GOOD THUNDER	MN	56037

Appendix J -
List of Landowners Along the Proposed Route Options

Name	City	State	Zip
PHILLIPS JOSEPH H & MARTHA M REV TRUSTS	GOOD THUNDER	MN	56037
PHILLIPS MARTIN JOSEPH	GOOD THUNDER	MN	56037
PHILLIPS SANDRA L	MANKATO	MN	56001
PHILLIPS TROY C	JANESVILLE	MN	56048
PHYLLIS FALL (LIFE ESTATE)	MANKATO	MN	56001
PIETSCH JASON D & LORI A	MANKATO	MN	56001
PISCHNER DARYL K & CINDY A	LAKE CRYSTAL	MN	56055
POATE JOY MARGARET	NORTH MANKATO	MN	56003
PONGRATZ DAVID & PATSY	MANKATO	MN	56001
PONGRATZ DAVID J & PATSY	MANKATO	MN	56001
PONGRATZ ELIZABETH S	GOOD THUNDER	MN	56037
PRESTON JOHN M	JANESVILLE	MN	56048
PRICE B & WINGEN F & M TRUSTS	MAPLETON	MN	56065
PROEHL HARLAN W	MAPLETON	MN	56065
QUALLEY CARLY J	LAKE CRYSTAL	MN	56055
R DUDLEY & EVELYN I KRAUSE FAMILY PARTNERSHIP	WINNEBAGO	MN	56098
RADLOFF VERNE E & SANDRA J (LE)	NEW ULM	MN	56073
RAHN FAMILY FARMS LLLP	GOOD THUNDER	MN	56037
RAHN LEROY M & NORMA A	GOOD THUNDER	MN	56037
RAHN THOMAS L & CHRISTINE	GOOD THUNDER	MN	56037
RAND TORREY L & EMILY J (CFD)	NORTH MANKATO	MN	56003
RANDY G GRUPE	TRIMONT	MN	56176
RANDY R JAEGER	EASTON	MN	56025
RAQUEL A HARDER	WINNEBAGO	MN	56098
RAUSCH GERALD F (LE)	CLEVELAND	MN	56017
RAUSCH GERALD F REVOCABLE TRUST	CLEVELAND	MN	56017
REEDSTROM CHARMAINE,STEVEN,PATRICIA	MANKATO	MN	56001
REICHEL BENJAMIN	MANKATO	MN	56001
REICHEL RICHARD B	MANKATO	MN	56001
REID BRUCE & BRENDA	VERNON CENTER	MN	56090
RENGSTORF RICHARD D & MARY A	LAKE CRYSTAL	MN	56055
RETHA RASMUSSEN	WINNEBAGO	MN	56098
REYNOLDS JEFFREY A & JENNIFER M	MAPLETON	MN	56065
RICHARD C KRUEGER REV TR	OMAHA	NE	68154
RICHARD C KRUEGER REV TST	OMAHA	NE	68154
RICHARD J & SHANNON DICKMAN	BLUE EARTH	MN	56013
RICHARDS DONALD & LISA	MANKATO	MN	56001
RICHTER RONI R & TYANA M	MANKATO	MN	56001
RILEY MAURICE D & EILEEN D	AMBOY	MN	56010
RILEY MICHAEL DUSTIN	AMBOY	MN	56010
ROBERT & DARLINE NIENOW FAMILY LTD PARTNERSHIP	MAPLETON	MN	56065
ROBERT E KESSELRING SR & THERESA J KESSELRING	WINNEBAGO	MN	56098
ROBERT F & MARY A AHL	WINNEBAGO	MN	56098
ROBERT W & JEANNINE J SHANNON	PALM DESERT	CA	92211
ROBERTS BERNITA M (LE)	LE SUEUR	MN	56058
ROGERS DUANE I & CHARLOTTE L	LAKE CRYSTAL	MN	56055

**Appendix J -
List of Landowners Along the Proposed Route Options**

Name	City	State	Zip
ROLFFS MICHAEL S	NORTH MANKATO	MN	56003
RONALD A WINCH	FAIRFAX	MN	55332
RONALD F & COLLEEN BRESSLER	WINNEBAGO	MN	56098
RONALD J TEIGLAND (LIFE ESTATE) ETAL & JANET ELLIS	WINNEBAGO	MN	56098
RONALD LEE CRAVEN	PINE RIVER	MN	56474
RONALD W BRESSLER	TRUMAN	MN	56088
ROSEMARY KELLER	WINNEBAGO	MN	56098
RUTH A & JAMES B MORRIS	WINNEBAGO	MN	56098
RUTH M HARTMAN	WINNEBAGO	MN	56098
SAILORS MARY H	BLOOMINGTON	MN	55438
SARGENT KEVIN J	JANESVILLE	MN	56048
SCHALOW GEORGIA LEE	MANKATO	MN	56001
SCHAUMBURG PAUL A & SHERRY	MANKATO	MN	56001
SCHEIDER RONALD E & BETTY A REV TRUSTS	MANKATO	MN	56001
SCHEURER ALAN	MANKATO	MN	56001
SCHEURER ALAN & VIRGINIA	MANKATO	MN	56001
SCHEURER ALAN L & VIRGINIA	MANKATO	MN	56001
SCHEURER JOANN	MANKATO	MN	56001
SCHEURER JOANN M	MANKATO	MN	56001
SCHEURER TRUST AGREEMENT	MANKATO	MN	56001
SCHISEL BRADLEY S & JANELLE M	MANKATO	MN	56001
SCHLINGMANN D J & O CONNELL V	MANKATO	MN	56001
SCHMIDT J & W & KIECKER M & D TSTS	MANKATO	MN	56001
SCHMIDT JEFFREY D & WENDY E	MANKATO	MN	56001
SCHMIESING DANIEL R	VERNON CENTER	MN	56090
SCHNEIDERHAN GLEN	GOOD THUNDER	MN	56037
SCHNEPF DANA & KATHLEEN	NORTH MANKATO	MN	56003
SCHROEDER JUDY LLOYD	LAKE CRYSTAL	MN	56055
SCHROEDER ROBERT & JUDY	LAKE CRYSTAL	MN	56055
SCHULTE VIRGINIA B	BURNSVILLE	MN	55337
SCHULZ GREG S & DEBRA	AMBOY	MN	56010
SCHWAMBERGER NANCY & DAN & BEN	NORTH MANKATO	MN	56003
SCHWARDT JOHN JR & ALICE	MADELIA	MN	56062
SCHWARZ EUGENE M & JOANNE M	VERNON CENTER	MN	56090
SCHWARZ THOMAS EUGENE (CFD)	VERNON CENTER	MN	56090
SCHWEIM MARVIN M & MARY	MANKATO	MN	56001
SEASONAL ENTERPRISES	EASTON	MN	56025
SECHLER TIMOTHY P & JANELL M	MANKATO	MN	56001
SECRETARY OF HOUSING & URBAN DEVELOPMENT	NORTH MANKATO	MN	56003
SEGAR FAMILY TRUST	MANKATO	MN	56001
SEGAR, ERICKSON, RUZICH & YAEGER	AMBOY	MN	56010
SEIFERT TIMOTHY N & LISA A	MANKATO	MN	56001
SEPPMANN PROPERTIES	MANKATO	MN	56001
SEYS JEROME E & JANICE D (LE)	MANKATO	MN	56001
SEYS PAUL H & NANCY	JANESVILLE	MN	56048
SHANAHAN JOHN W TRUST AGREEMENT	MAPLETON	MN	56065

**Appendix J -
List of Landowners Along the Proposed Route Options**

Name	City	State	Zip
SHANKLIN THOMAS J & SUSAN G	MANKATO	MN	56001
SHARP EVERETT B TRUST	SPRINGFIELD	MN	56087
SHARP JARRETT G	MAPLETON	MN	56065
SHELDROP ROSE ANN M	MANKATO	MN	56001
SHIRLEY ANN GOODRICH	BLUE EARTH	MN	56013
SHIRLEY BECK TRUST	MEDIAPOLIS	IA	52637
SHOUTS SCOTT S & PAMELA A TRUST AGMTS	AMBOY	MN	56010
SIEVERS MARLENE GADOLA	WELLS	MN	56097
SLINGSBY MARJORIE J TRUST AGMT	MANKATO	MN	56001
SMITH CHARLES RAY & DIANNE PHILLIPS	NORTH MANKATO	MN	56003
SMITH DONNA	AMBOY	MN	56010
SMITH JUSTIN & JESSICA	VERNON CENTER	MN	56090
SMOTHERS D O, R D & NELSON D S	MAPLETON	MN	56065
SMOTHERS D O, R D, NELSON D S	MAPLETON	MN	56065
SN MANKATO LLC	ROCHESTER	MN	55903
SOHLER FRANCIS&PHYLLIS TR1/2EA	LAKE CRYSTAL	MN	56055
SOHRE FARMS LLC (CFD)	GOOD THUNDER	MN	56037
SOHRE LOREN A & DIANE M	GOOD THUNDER	MN	56037
SOHRE LOREN A & DIANE M (CFD)	GOOD THUNDER	MN	56037
SONNABEND JANICE A	AMBOY	MN	56010
SONNEK BROTHERS	EASTON	MN	56025
SOUTH BEND PROPERTIES LLC	MANKATO	MN	56001
SPEAR AUDREY A	MANKATO	MN	56001
SPECK MARGARET L	GOOD THUNDER	MN	56037
SPECK PAUL	GOOD THUNDER	MN	56037
SPECK PAUL R	GOOD THUNDER	MN	56037
SPECK PAUL R (LE)	GOOD THUNDER	MN	56037
SPENCE STEVEN L & THERESA A	VERNON CENTER	MN	56090
STADTHERR JEROME E	NORTH MANKATO	MN	56003
STANTON BRUCE & KAREN (2/11 & CFD)	MAPLETON	MN	56065
STANTON BRUCE F & KAREN M	MAPLETON	MN	56065
STATE OF MINNESOTA	ST PAUL	MN	
STATE OF MINNESOTA	SAINT PAUL	MN	55155
STATE OF MINNESOTA	ST PAUL	MN	55411
STATE OF MINNESOTA - DNR	SAINT PAUL	MN	55155
STAVENAU DAVID H	GOOD THUNDER	MN	56037
STAVENAU DAVID H & GWEN L	GOOD THUNDER	MN	56037
STEFFEN D & M & WILLIAMS K & C	KASOTA	MN	56050
STENZEL MARK W	MADISON LAKE	MN	56063
STENZEL MARK W & MARDELL	MADISON LAKE	MN	56063
STERNITZKE LYNN O	GOOD THUNDER	MN	56037
STERNITZKE STANLEY & MARJORIE	GOOD THUNDER	MN	56037
STEVEN COLE	DELAVAN	MN	56023
STEVEN SCHONROCK	WINNEBAGO	MN	56098
STEWIG PAUL E	GOOD THUNDER	MN	56037
STOFFREGEN LIVING TRUST	EASTON	MN	56025

**Appendix J -
List of Landowners Along the Proposed Route Options**

Name	City	State	Zip
STRAND RONALD W & LINDA M	MANKATO	MN	56001
STRAND VIVIAN I TRUST	MANKATO	MN	56001
SUESS RONALD & SUSAN K	LAKE CRYSTAL	MN	56055
SUKALSKI PAUL R	MANKATO	MN	56001
SUMMIT HILLS OF MANKATO LLC	MANKATO	MN	56001
SUNDEM JOANNE	SAINT MICHAEL	MN	55376
SUTHERLAND DORIS L TRUST AGREEMENT	TYLER	MN	56178
SVENDSEN SIGVALD R	LAKE CRYSTAL	MN	56055
SWANSON BARBARA A & SANFTNER JANET K	MANKATO	MN	56001
SWANSON KYLE C	MANKATO	MN	56001
T & MJ FARMS LLC	PRIOR LAKE	MN	55372
T & T LLC	UNALAKLEET	AK	99684
TACHENY CLETUS & CHRISTINE TRUST	WOODBURY	MN	55129
TACHENY LEON S	MANKATO	MN	56001
TACHENY THOMAS J & LAURIE A (CFD)	MANKATO	MN	56001
TATGE ANDREW M	MANKATO	MN	56001
TAUER HOWARD F & KARLA J	MANKATO	MN	56001
TAUER JASON E	LAKE CRYSTAL	MN	56055
TAYLOR GLEN A REVOCABLE TRUST	SPENCER	IA	51301
TED A NAGEL	WINNEBAGO	MN	56098
TESDAHL DANNY J & JOAN L	MANKATO	MN	56001
THIELGES DANIEL B & HEATHER L THIELGES	NORTH MANKATO	MN	56003
THISSEN ROMONA	MANKATO	MN	56001
THOMAS & COLLEEN COLE	EASTON	MN	56025
THOMAS & JEAN MADAY REV TSTS	FAIRMONT	MN	56031
THOMAS & REBECCA SCHNOOR	EASTON	MN	56025
THOMAS FREDERICK L & LAVONNE DWYER	FARIBAULT	MN	55021
THOMAS J WARD	NORTH MANKATO	MN	56003
THOMAS L LOONAN	EASTON	MN	56025
THOMAS M & COLLEEN COLE	EASTON	MN	56025
THOMAS M & COLLEEN M COLE	EASTON	MN	56025
THOMAS NANCY L	WASECA	MN	56093
THOMAS R & CINDA K FITZSIMMONS	GOOD THUNDER	MN	56037
THOMAS R JONES REVOC TRUST & LINDA C JONES REVOC DELAVAN		MN	56023
THOMPSON R J & KUNKEL D TRUST	WATERVILLE	MN	56096
TIMOTHY & SUSAN PERRIZO	DELAVAN	MN	56023
TODD JOHN E & STATHAM RON	MANKATO	MN	56001
TOM LOVEALL	WINNEBAGO	MN	56098
TOM TOMLINSON & MARY CRAIG TOMLINSON	TRUMAN	MN	56088
TONN DANIEL E	AMBOY	MN	56010
TONN FAMILY TRUST	AMBOY	MN	56010
TRIO DAVID M	MAPLETON	MN	56065
TRIO DENNY FARMS	MAPLETON	MN	56065
TRIO FAMILY LLLP	MAPLETON	MN	56065
TRUEBENBACH CHARLES H	PARK RAPIDS	MN	56470
TRUEBENBACH STEPHEN E & ANDREW L	LAKE CRYSTAL	MN	56055

Appendix J -
List of Landowners Along the Proposed Route Options

Name	City	State	Zip
TURNER PROPERTIES ROC LLC	PALM BEACH GARDENS	FL	33410
TURTLE FAMILY TRUST FUND	NEW ULM	MN	56073
TURTLE WILLIAM L TRUST B	NEW ULM	MN	56073
U S WEST COMMUNICATIONS	OLATHE	KS	66063
ULRICH DEAN L & KAY E	GOOD THUNDER	MN	56037
ULRICH NATHAN D & MARY T	GOOD THUNDER	MN	56037
UNION PACIFIC RAILROAD COMPANY	OMAHA	NE	68179
UNITED STATES OF AMERICA	FORT SNELLING	MN	55111
UNITED STATES OF AMERICA	BLOOMINGTON	MN	55437
URBAN JAMES M & GINA L	LAKE CRYSTAL	MN	56055
URBAN STEVEN D	FAIRMONT	MN	56031
VANDREY GERHARDT A & WANDA	LANCASTER	CA	93536
VANROSSUM MARIAN JEAN	EAST GREENVILLE	PA	18041
VEROEVEN DAVID F & MARLENE	MANKATO	MN	56001
VEROEVEN RAYMOND D & DONNA M VEROEVEN	NORTH MANKATO	MN	56003
VETTER BRIAN R	KASOTA	MN	56050
VICTOR J SPENCER TEST TRUST	BURNSVILLE	MN	55337
VIGNESS SHARON L	MANKATO	MN	56001
VIOLA MENSING IRREVOC TRUST	EASTON	MN	56025
VIOLET J VELTA (LIFE ESTATE)	SAINT PETER	MN	56082
VOGES JOSHUA C (CFD)	LAKE CRYSTAL	MN	56055
W W LAND COMPANY LLC	MANKATO	MN	56001
WAGNER MAXINE W	LAKE CRYSTAL	MN	56055
WAKEFIELD PORK INC	GAYLORD	MN	55334
WALLACE BRIAN P & CINDA L	GARDEN CITY	MN	56034
WAL-MART STORES EAST LP	BENTONVILLE	AR	72716
WALSER DOROTHY M TRUST	MAPLETON	MN	56065
WALSTON FAMILY TRUST	OKOBOJI	IA	51355
WARD BERNICE (LE)	MANKATO	MN	56001
WARD BRIAN & DARLA M	MAPLETON	MN	56065
WARD EUGENE TR & DARLENE TRUST	LAKE WALES	FL	33853
WARD FAMILY TRUST	MANKATO	MN	56001
WARD LORETTA J REV INTERVIVOS TRUST	MAPLETON	MN	56065
WARD MARGARET M (LE)	MAPLETON	MN	56065
WEAVER GEORGE & MARGARET	WATERVILLE	MN	56096
WEILAGE KENNETH J & JUNE E	NORTH MANKATO	MN	56003
WEINGARTZ RITA R	MANKATO	MN	56001
WEINGARTZ RONALD E & WENDY S	MANKATO	MN	56001
WELLS FAMILY TRUST	GOOD THUNDER	MN	56037
WENDLANDT GENE REVOCABLE TRUST AGMT	GARDEN CITY	MN	56034
WESTMAN INVESTMENTS LLP	MADISON LAKE	MN	56063
WETTER KEITH	MANKATO	MN	56001
WGM PROPERTY LLC	GOLDEN VALLEY	MN	55427
WHITE & BOROSKI & GRIGGS & MERRITT	MAPLETON	MN	56065
WIDMAN LINDA G (LE)	SALEM	SD	57058
WIGLEY EDWARD E REVOCABLE TRUST	MANKATO	MN	56001

Appendix J -
List of Landowners Along the Proposed Route Options

Name	City	State	Zip
WIGLEY GERTRUDE E REVOCABLE TRUST	MANKATO	MN	56001
WILDE FAMILY TRUST	AMBOY	MN	56010
WILHELM RICHARD J & LAURIE M WILHELM	NORTH MANKATO	MN	56003
WILLAERT JOSEPH L & PAMELA	MANKATO	MN	56001
WILLAERT LOIS D	MANKATO	MN	56001
WILLETTE BROTHERS II	BLUE EARTH	MN	56013
WILLETTE SEED FARM INC	BLUE EARTH	MN	56013
WILLIAM C & JAN M REINEKING	WINNEBAGO	MN	56098
WILLIAM C & MARY C STEVERMER	BLUE EARTH	MN	56013
WILLIAM HERRMANN	DELAVAN	MN	56023
WILLIAM O ANDERSON & THOMAS D ANDERSON	DELAVAN	MN	56023
WILLIAM SONNEK	EASTON	MN	56025
WILLIAMS 1856 FAMILY FARM LLP	NORTH MANKATO	MN	56003
WILMES KENNETH A & LINDA L	MANKATO	MN	56001
WILSON DEAN A	AMBOY	MN	56010
WINGEN ALONZO JR TRUST	MAPLETON	MN	56065
WINGEN DALE A & CAROL A (LE)	GOOD THUNDER	MN	56037
WINGEN FRANCIS & MARY TRUSTS	JANESVILLE	MN	56048
WINGEN JOSEPH A REV TRUST	BENBROOK	TX	76126
WINGEN PROPERTIES INC	CHANHASSEN	MN	55317
WINKLER CATHY L	MANKATO	MN	56001
WINTER STEVEN & GUETTER JANEAN	MAPLETON	MN	56065
WITT JUDY K	MANKATO	MN	56001
WOITAS KENNETH F	MANKATO	MN	56001
WOLD DECEDENTS TRUST	MINNETONKA	MN	55345
WOLFE STEPHEN R SR & CINDY	MANKATO	MN	56001
WOLFE THEODORE H JR & RITA L TR AGMTS	MANKATO	MN	56001
WOLFF WOLFF & SCHMIT LLC	MANKATO	MN	56001
WOLTERS LARRY	MANKATO	MN	56001
WRUCKE ERVIN	FARMINGTON	MN	55024
YAEGER COLLEEN L	MANKATO	MN	56001
YENISH ROBERT E & IRENE F & YENISH THOMAS J	NORTH OAKS	MN	55127
YOUNG HAROLD & GRACE TRUST AGREEMENT	MANKATO	MN	56001
ZARN MERLIN W & LORRAINE B	AMBOY	MN	56010
ZELINSKY ALLAN H & GRACE E	MANKATO	MN	56001
ZIEGLER EARL KENNETH	GOOD THUNDER	MN	56037
ZIEGLER GENE A & VIVIAN V	MANKATO	MN	56001
ZIEMANN NANNETTE O (LE)	GOOD THUNDER	MN	56037
ZIMMERMAN DUANN & SLOWINSKI ONALEE	ELMORE	MN	56027
ZINKE ALBERT W & NORBERT J	LAKE CRYSTAL	MN	56055

APPENDIX K

Airspace Evaluation Memo



November 8, 2017

Grant Stevenson
Senior Project Manager
Xcel Energy
414 Nicollet Mall-414-5
Mankato, MN 55401

Re: Preliminary Mankato Regional Airport Airspace Evaluation

Dear Grant:

The navigable airspace surrounding the Mankato Regional Airport (MKT) limits adjacent development by two sets of imaginary surfaces and zones; those defined in 14 CFR, Part 77 (Part 77) as applied by the FAA, and those defined in the Mankato Airport Zoning Ordinance (Mankato Zoning) established and enforced by the Mankato Regional Airport Joint Airport Zoning Board.

An alternative route, identified as part of the Xcel/ITC 345-kV Transmission Project, is near MKT. At the request of Xcel Energy, this route was evaluated to identify whether the FAA surfaces or Mankato zones would have the potential to limit structures heights to affect the feasibility of the nearby alternative route. Figures were prepared to illustrate the boundaries of both the FAA obstruction surfaces (Figure 1) and the Mankato zone (Figure 2). The next step was to evaluate the potential restrictions associated with these surfaces and zones. The following paragraphs provide a summary of findings of this evaluation, with references to the corresponding figures.

FAA Surfaces (Figure 1)

Within Part 77 are multiple imaginary surfaces designed to help the FAA identify potential obstructions that could adversely affect the safety of flight operations during both visual and instrument flight conditions. Part 77 also provides provisions for the FAA to consider additional imaginary surfaces designed to protect minimum flight operations during instrument approach and departure procedures, which are defined in Order 8260.3 United States Standard for Terminal Instrument Procedures (TERPS). Some of these surfaces are horizontal to the ground within their boundaries, and others slope upward and outward at different ratios of horizontal feet to vertical feet. Sloping surfaces are described by a numerical ratio, such as the 40:1 Departure Surface.

The alternative route crosses within the boundaries of multiple overlapping Part 77 and TERPS surfaces, each with a different maximum elevation or range of maximum elevations. For the sake of this evaluation, where the route crossed within more than one surface, only that with the lowest maximum elevation was considered.

Xcel Energy
November 8, 2017
Page 2

From the west end of the alternative route (Figure 1), the route crosses into the Runway 33 category C circling approach area (Rwy33 CATC), which is shown as a yellow outline in the figure. This is a horizontal TERPS surface with a radius of 2.8 nautical miles around the end of Runway 33 that provides a minimum descent altitude (MDA) within its boundary to allow pilots to safely circle to an approach to Runway 33. The MDA for this approach is 1480' above mean sea level (amsl), with 300-feet of required obstacle clearance leaving a maximum elevation of 1180' amsl. Ground elevations in this area are approximately 990' amsl, which provides approximately 190-feet for structure heights depending on the actual ground elevation at the structure site.

The alternative route then crosses into the Part 77 horizontal surface, shown as purple outline in Figure 1. The horizontal surface extends outward 10,000 feet from the primary surface for all runways at a height of 150-feet above the airport elevation, giving it a maximum elevation of 1171' amsl. Ground elevations in this area are approximately 1000' amsl, which provides approximately 171-feet for structure heights depending on the actual ground elevation at the structure site. The route then crosses into the TERPS 40:1 departure surface for Runway 04, shown as blue outline on Figure 1. The 40:1 departure surface begins at the edge of the runway at the runway end elevation and slopes upward at a ratio of 40-feet horizontal to 1-foot vertical and outward for 6000 feet until it reaches the elevation of horizontal surface. The route angles as it crosses the outer end of this surface where the maximum elevation would range from 1114' amsl to 1142' amsl, with approximately 124 to 140-feet for structure heights depending on the actual distance from the runway end and the ground elevation at the site. This is the most restrictive FAA surface identified in this evaluation.

The route would then cross through a small section of the Rwy33 CATA surface, shown as red outline on Figure 1, with a maximum elevation of 1160' amsl, then into the horizontal with a maximum elevation of 1171' amsl, and back through the Rwy33 CATC area with a maximum elevation of 1180' amsl.

City of Mankato Zones (Figure 2)

Mankato Zoning defines airspace zones designed to protect the safe use of the Mankato Regional Airport airspace by restricting the height of structures to not exceed the imaginary surface of the specific zone. As with the FAA review only the zone with the lowest maximum elevation was considered in places where the route crossed within more than one zone.

From the west end of the alternative route (Figure 2), the route crosses into the horizontal zone, shown as yellow and black outline in Figure 2. The horizontal zone has the same dimensions as the FAA horizontal surface described previously, including having a maximum elevation of 1171' amsl. Ground elevations in this area are approximately 1000' amsl, which provides

Xcel Energy
November 8, 2017
Page 3

approximately 171-feet for structure heights depending on the actual ground elevation at the structure site.

The route then crosses into the non-precision approach zone. This is a 34:1 approach surface to Runway 04, shown as purple outline in Figure 2, that begins 200-feet from the end of the runway at the runway end elevation and slopes upward at a ratio of 34-feet horizontal to 1-foot vertical and outward for approximately 5100-feet until it reaches the elevation of horizontal zone. The route angles as it crosses the outer end of this surface where the maximum elevation would range from 1127'amsl to 1142'amsl, with approximately 140-feet for maximum structure heights depending on the actual distance from the runway end and the ground elevation at the site. This is the most restrictive Mankato zone identified in this part of the evaluation. The route would then cross back through the horizontal zone with a maximum elevation of 1171'amsl.

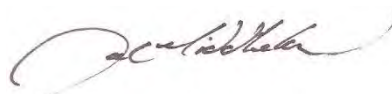
Mankato Zoning also defines land use safety zones, which limit the type of development within the zones to land uses that are compatible with this proximity to an airport. Zone A (shown as red hatched area on Figure 2) is subject to the same height restrictions as the underlying 34:1 approach zone, but also restricts development of temporary or permanent structures, including exposed transmission lines. Permitted land use in Zone A would include agriculture, wildlife habitat, and automobile parking. Zone B (shown as blue pattern on Figure 2) is subject to the height restrictions of the 34:1 approach zone, but further restricts development to low density with only one structure per three-acre site. The alternative route does not cross either Zone A or Zone B.

Zone C is coincident to the horizontal zone described above and subject to the same height restrictions. Residential development in Zone C is limited to one dwelling unit per 40 acres. Based on the communication with the City of Mankato, the portion of line that crosses the horizontal zone/Zone C is subject only to the structure height limitations defined by the 1171'amsl horizontal zone elevation.

Sincerely,

A handwritten signature in black ink that reads "Edward F. Bowers".

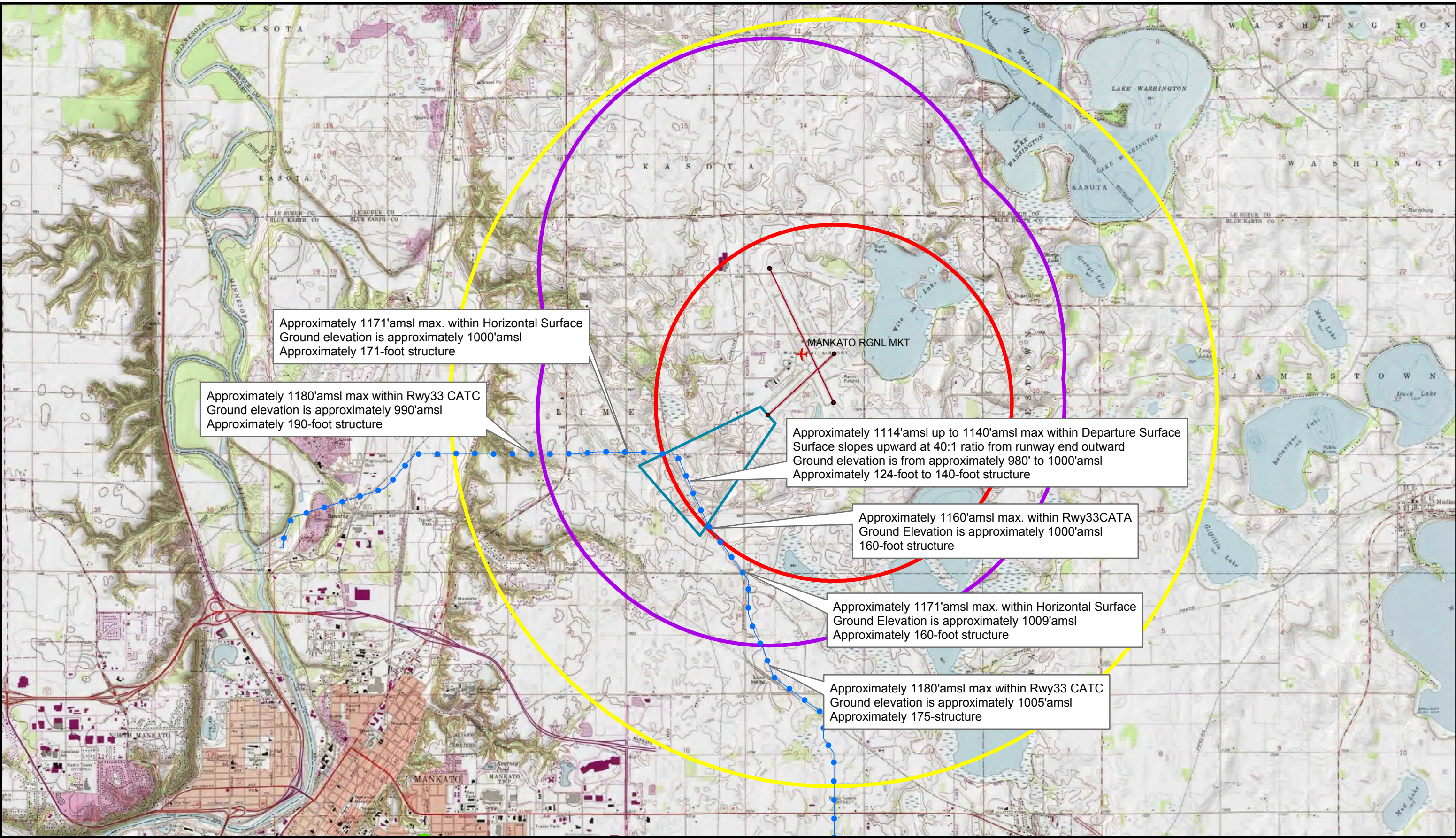
Edward F. Bowers
Senior Environmental Scientist
Burns & McDonnell

A handwritten signature in black ink that reads "Jack Middleton".

Jack Middleton
Project Manager
Burns & McDonnell

Attachment: Figures 1 and 2

Path: R:\FAA\Obstruction\Ed's_Misc\FAA Projects\Xcel_Mankato Airport\Xcel_Mankato_FAA_Figure.mxd ebowers 11/8/2017
COPYRIGHT © 2017 BURNS & MCDONNELL ENGINEERING COMPANY, INC.
Service Layer Credits: Copyright © 2013 National Geographic Society, i-cubed



- Potential 345-kV Route Location
- Departure Surface
- Rwy33 CATA
- Horizontal Surface
- Rwy33 CATC

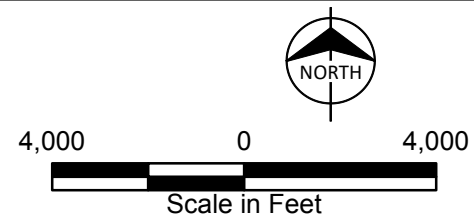
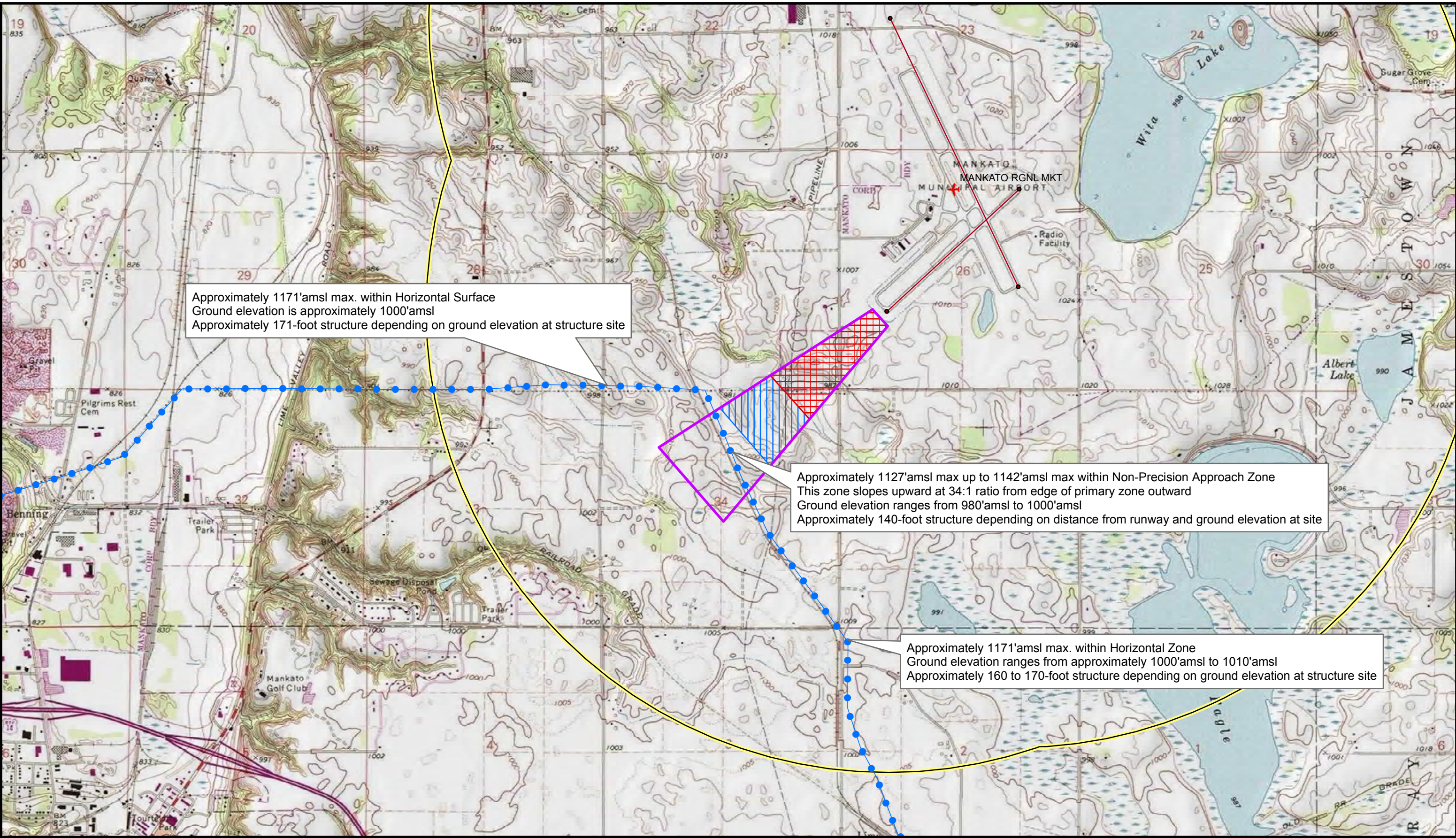


Figure 1
FAA Obstruction Surface Evaluation
Xcel/ITC 345-kV Transmission Line
November 8th, 2017
DRAFT

Path: R:\FAA\Obstruction\Ed's_Misc\FAA Projects\Xcel_Mankato Airport\Xcel_Mankato City_Figure.mxd ebowers 11/8/2017
COPYRIGHT © 2017 BURNS & MCDONNELL ENGINEERING COMPANY, INC.
Service Layer Credits: Copyright © 2013 National Geographic Society, i-cubed



Potential 345-kV Route Location

Non Precision Approach Zone

Horizontal Zone/Zone C

Zone A

Zone B

2,000

0

2,000

Scale in Feet

NORTH

BURNS MCDONNELL

Figure 2

Mankato Airport Zoning Evaluation

Xcel/ITC 345-kV Transmission Line

November 8th, 2017

DRAFT