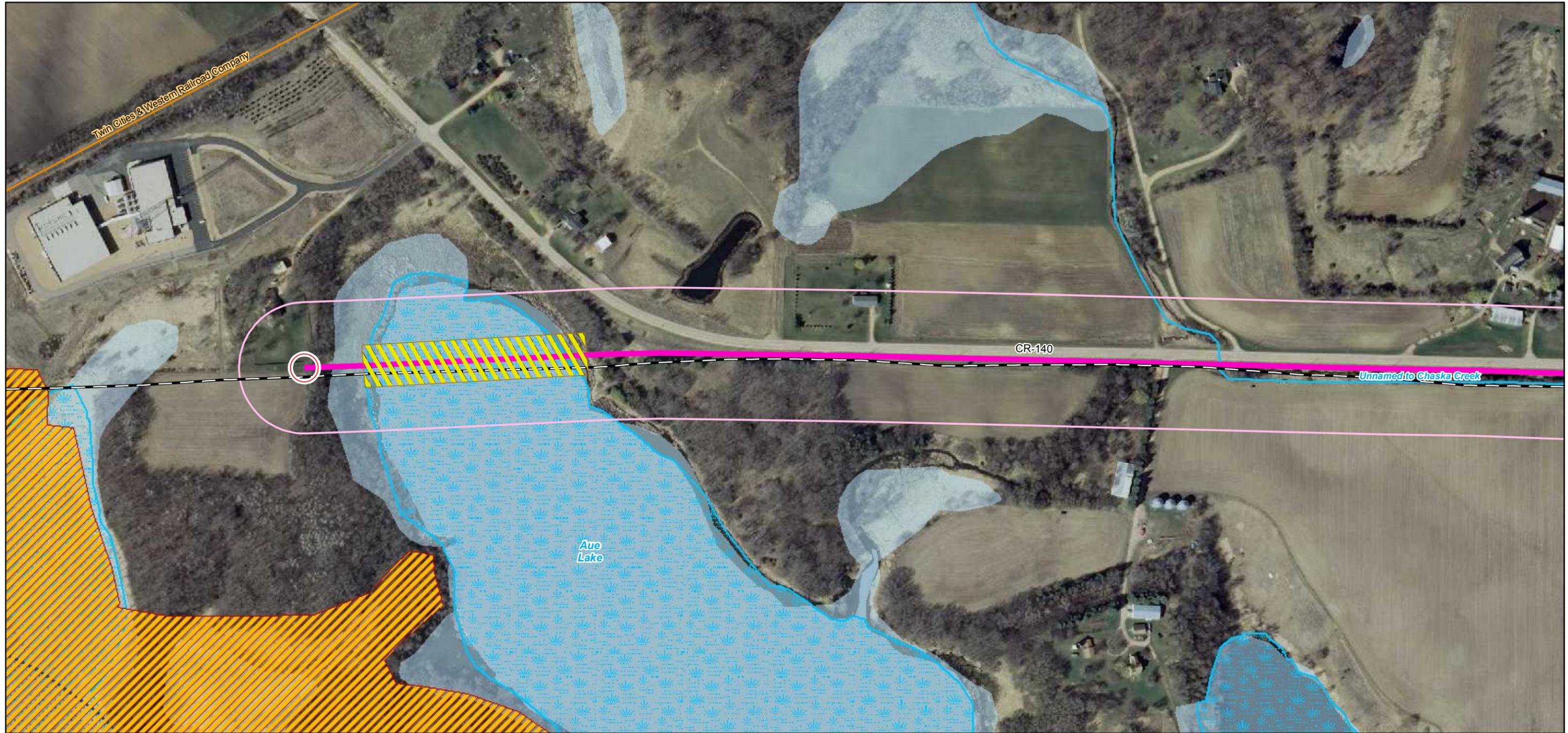


APPENDIX B.2
ENVIRONMENTAL FEATURES MAPS SEGMENTS 1-6

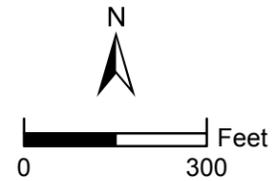
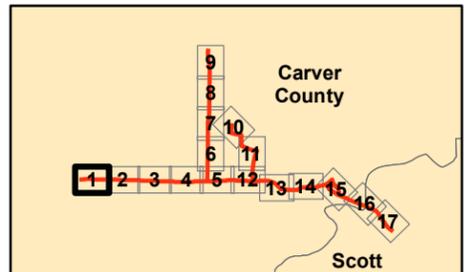


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

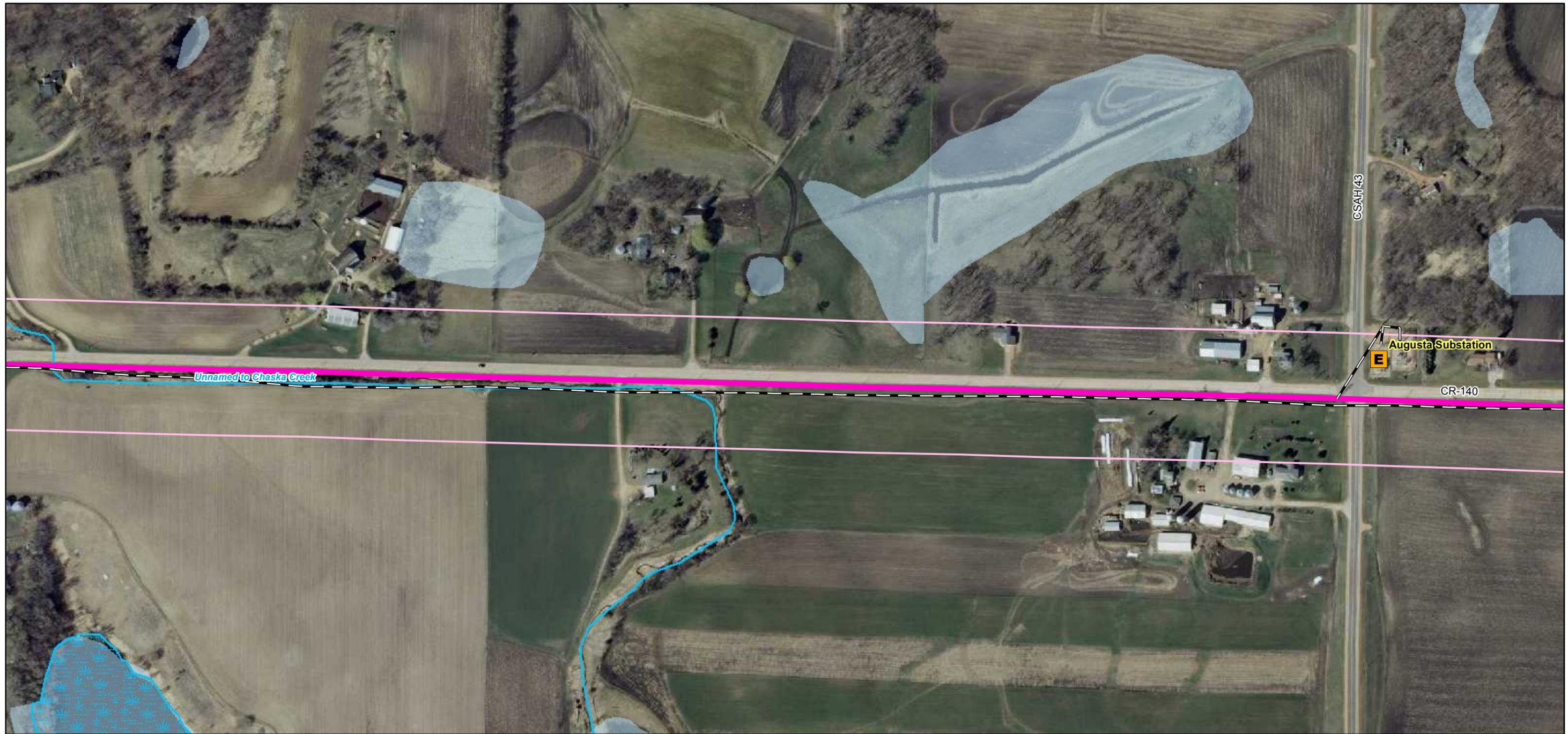
Carver and Scott Counties, MN

- █ Chaska Area 69 kV to 115 kV Upgrade Project
- XX Removed as Part of Proposed Project
- █ West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION)
- Project Route Width (200 - 400 ft)
- Segment Start and End Location
- Install Swan Flight Diverter
- Existing Infrastructure**
- Approximate Existing Transmission Line
- E Existing Substations
- S Xcel Substations
- Closest Business
- Closest Residence
- Hydrography**
- NWI Wetlands
- Public Waters Inventory (Wetlands and Lakes)
- Stream or River
- 100-YR FEMA Floodplain
- 500-YR FEMA Floodplain
- MNDNR NHIS (2012)**
- Vertebrate Animal
- Community
- Vascular Plant
- Geologic
- Municipalities / Townships
- Managed Lands**
- MCBS Sites of Biological Significance
- MCBS Native Plant Communities (None in Area)
- Wildlife Management Areas (None in Area)
- Scientific & Natural Areas (None in Area)
- Waterfowl Production Areas (None in Area)
- Park, Recreational, or Preserve
- Game Refuge (None in Area)
- State Conservation Easements (None in Area)
- Railroad Prairie (None in Area)
- Cultural Resource Information**
- Listed on National Register of Historic Places
- MN SHPO Considered Eligible Finding
- Base**
- County Boundary
- Railroad
- + Cemetery
- ▲ Point of Interest
- School

Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present: MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
SEGMENT 1
PAGE 1 OF 17

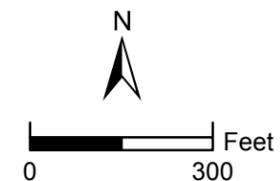
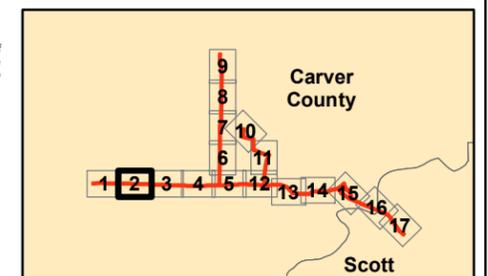


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

Carver and Scott Counties, MN

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| <ul style="list-style-type: none"> Chaska Area 69 kV to 115 kV Upgrade Project Removed as Part of Proposed Project West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) Project Route Width (200 - 400 ft) Segment Start and End Location Install Swan Flight Diverter Existing Infrastructure Approximate Existing Transmission Line Existing Substations Xcel Substations Closest Business Closest Residence | <ul style="list-style-type: none"> Hydrography NWI Wetlands Public Waters Inventory (Wetlands and Lakes) Stream or River 100-YR FEMA Floodplain 500-YR FEMA Floodplain MNDNR NHIS (2012) Vertebrate Animal Community Vascular Plant Geologic Municipalities / Townships | <ul style="list-style-type: none"> Managed Lands MCBS Sites of Biological Significance MCBS Native Plant Communities (None in Area) Wildlife Management Areas (None in Area) Scientific & Natural Areas (None in Area) Waterfowl Production Areas (None in Area) Park, Recreational, or Preserve Game Refuge (None in Area) State Conservation Easements (None in Area) Railroad Prairie (None in Area) | <ul style="list-style-type: none"> Cultural Resource Information Listed on National Register of Historic Places MN SHPO Considered Eligible Finding Base County Boundary Railroad Cemetery Point of Interest School |
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Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present. MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
SEGMENT 1
PAGE 2 OF 17

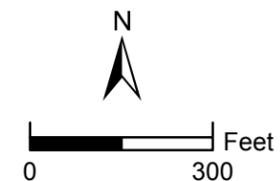
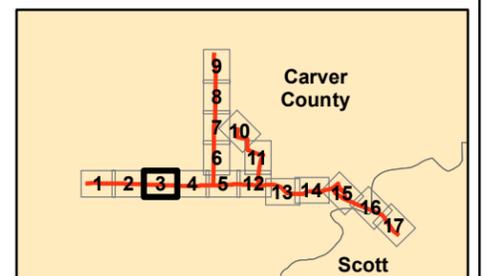


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

Carver and Scott Counties, MN

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| <ul style="list-style-type: none"> Chaska Area 69 kV to 115 kV Upgrade Project Removed as Part of Proposed Project West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) Project Route Width (200 - 400 ft) Segment Start and End Location Install Swan Flight Diverter Existing Infrastructure Approximate Existing Transmission Line Existing Substations Xcel Substations Closest Business Closest Residence | Hydrography <ul style="list-style-type: none"> NWI Wetlands Public Waters Inventory (Wetlands and Lakes) Stream or River 100-YR FEMA Floodplain 500-YR FEMA Floodplain MNDNR NHIS (2012) Vertebrate Animal Community Vascular Plant Geologic Municipalities / Townships | Managed Lands <ul style="list-style-type: none"> MCBS Sites of Biological Significance MCBS Native Plant Communities (None in Area) Wildlife Management Areas (None in Area) Scientific & Natural Areas (None in Area) Waterfowl Production Areas (None in Area) Park, Recreational, or Preserve Game Refuge (None in Area) State Conservation Easements (None in Area) Railroad Prairie (None in Area) | Cultural Resource Information <ul style="list-style-type: none"> Listed on National Register of Historic Places MN SHPO Considered Eligible Finding Base County Boundary Railroad Cemetery Point of Interest School |
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Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present. MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



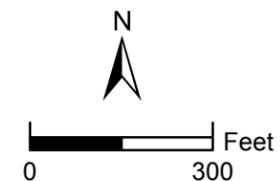
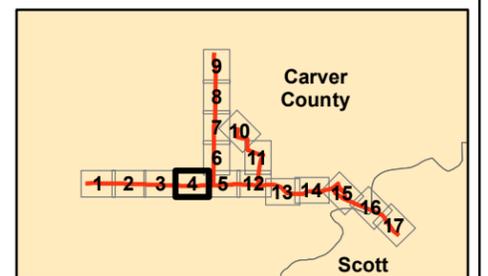


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

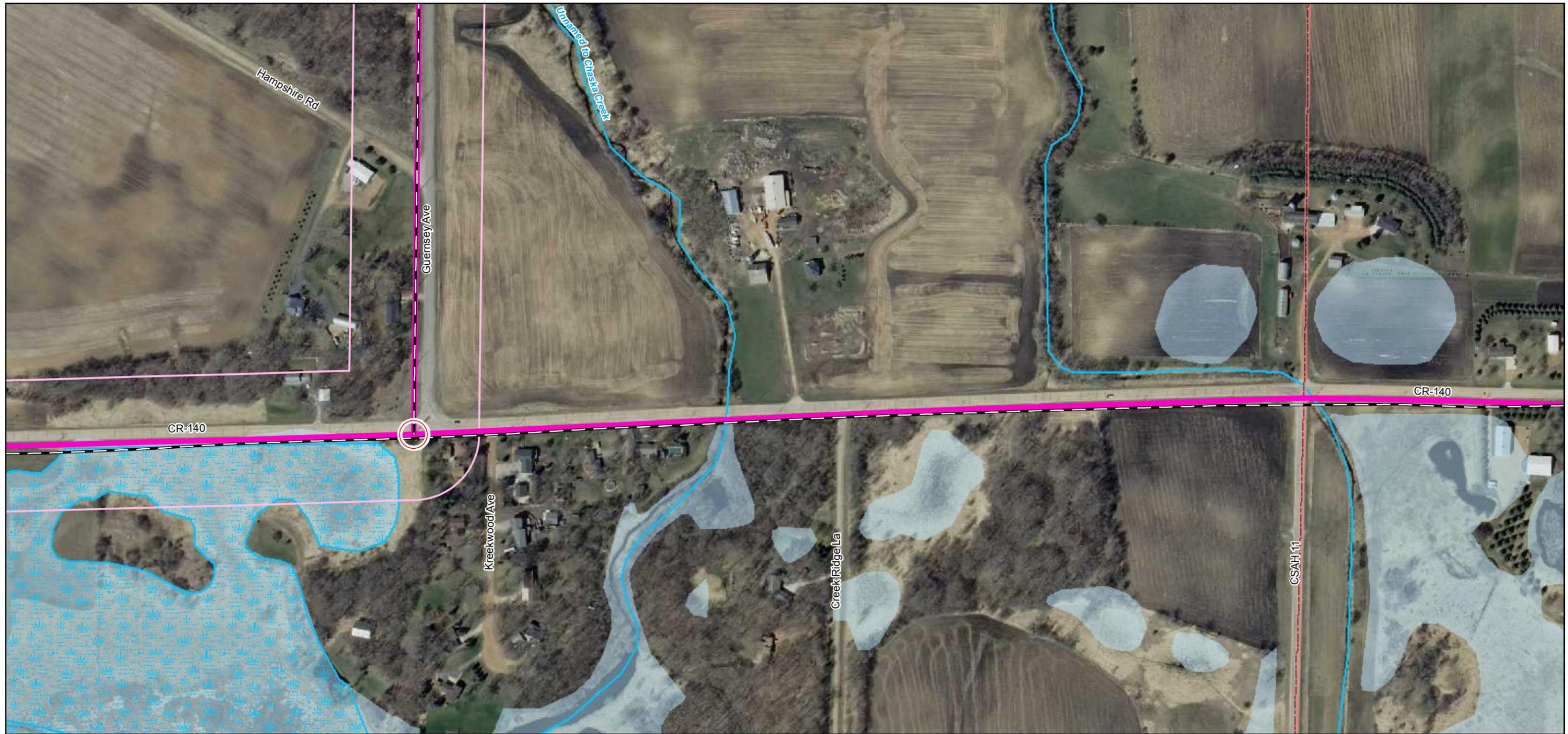
Carver and Scott Counties, MN

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| <ul style="list-style-type: none"> Chaska Area 69 kV to 115 kV Upgrade Project Removed as Part of Proposed Project West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) Project Route Width (200 - 400 ft) Segment Start and End Location Install Swan Flight Diverter Existing Infrastructure Approximate Existing Transmission Line Existing Substations Xcel Substations Closest Business Closest Residence | <ul style="list-style-type: none"> Hydrography NWI Wetlands Public Waters Inventory (Wetlands and Lakes) Stream or River 100-YR FEMA Floodplain 500-YR FEMA Floodplain MNDNR NHIS (2012) Vertebrate Animal Community Vascular Plant Geologic Municipalities / Townships | <ul style="list-style-type: none"> Managed Lands MCBS Sites of Biological Significance MCBS Native Plant Communities (None in Area) Wildlife Management Areas (None in Area) Scientific & Natural Areas (None in Area) Waterfowl Production Areas (None in Area) Park, Recreational, or Preserve Game Refuge (None in Area) State Conservation Easements (None in Area) Railroad Prairie (None in Area) | <ul style="list-style-type: none"> Cultural Resource Information Listed on National Register of Historic Places MN SHPO Considered Eligible Finding Base County Boundary Railroad Cemetery Point of Interest School |
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Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present. MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
SEGMENT 1
PAGE 4 OF 17

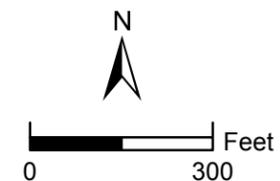
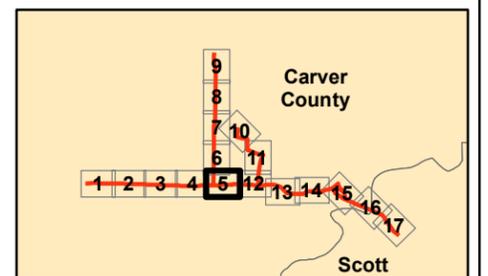


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

Carver and Scott Counties, MN

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| <ul style="list-style-type: none"> Chaska Area 69 kV to 115 kV Upgrade Project Removed as Part of Proposed Project West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) Project Route Width (200 - 400 ft) Segment Start and End Location Install Swan Flight Diverter Existing Infrastructure Approximate Existing Transmission Line Existing Substations Xcel Substations Closest Business Closest Residence | <ul style="list-style-type: none"> Hydrography NWI Wetlands Public Waters Inventory (Wetlands and Lakes) Stream or River 100-YR FEMA Floodplain 500-YR FEMA Floodplain MNDNR NHIS (2012) Vertebrate Animal Community Vascular Plant Geologic Municipalities / Townships | <ul style="list-style-type: none"> Managed Lands MCBS Sites of Biological Significance MCBS Native Plant Communities (None in Area) Wildlife Management Areas (None in Area) Scientific & Natural Areas (None in Area) Waterfowl Production Areas (None in Area) Park, Recreational, or Preserve Game Refuge (None in Area) State Conservation Easements (None in Area) Railroad Prairie (None in Area) | <ul style="list-style-type: none"> Cultural Resource Information Listed on National Register of Historic Places MN SHPO Considered Eligible Finding Base County Boundary Railroad Cemetery Point of Interest School |
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Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present. MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
SEGMENTS 1, 2, & 3A
PAGE 5 OF 17

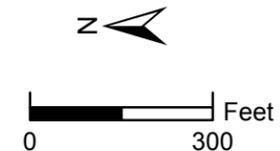
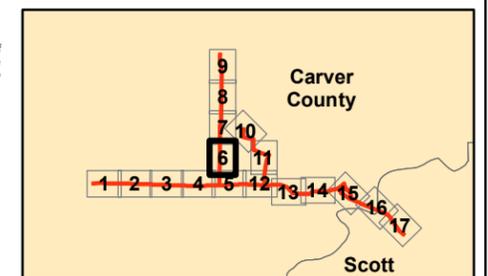


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

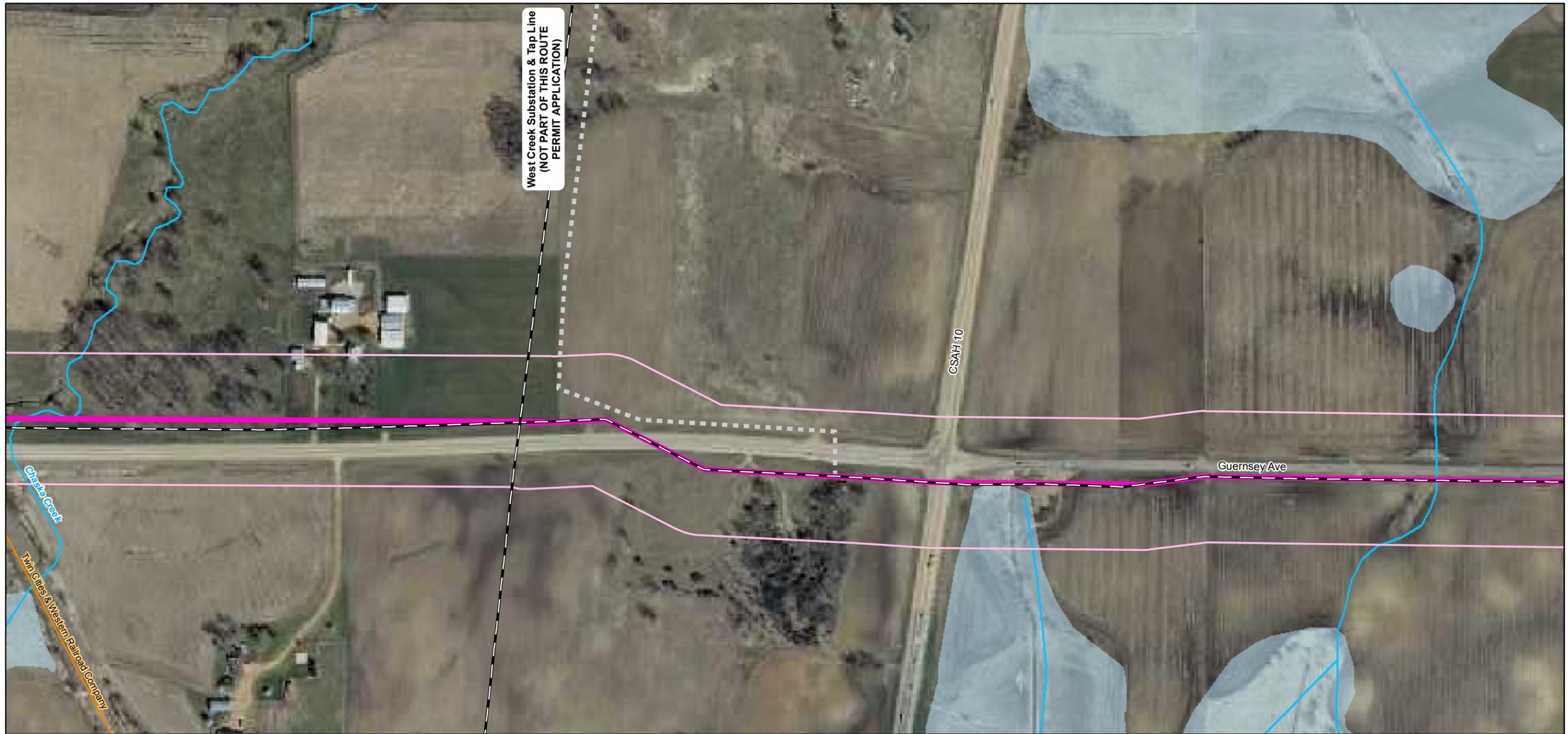
Carver and Scott Counties, MN

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| <ul style="list-style-type: none"> Chaska Area 69 kV to 115 kV Upgrade Project Removed as Part of Proposed Project West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) Project Route Width (200 - 400 ft) Segment Start and End Location Install Swan Flight Diverter Existing Infrastructure Approximate Existing Transmission Line Existing Substations Xcel Substations Closest Business Closest Residence | <ul style="list-style-type: none"> Hydrography NWI Wetlands Public Waters Inventory (Wetlands and Lakes) Stream or River 100-YR FEMA Floodplain 500-YR FEMA Floodplain MNDNR NHIS (2012) Vertebrate Animal Community Vascular Plant Geologic Municipalities / Townships | <ul style="list-style-type: none"> Managed Lands MCBS Sites of Biological Significance MCBS Native Plant Communities (None in Area) Wildlife Management Areas (None in Area) Scientific & Natural Areas (None in Area) Waterfowl Production Areas (None in Area) Park, Recreational, or Preserve Game Refuge (None in Area) State Conservation Easements (None in Area) Railroad Prairie (None in Area) | <ul style="list-style-type: none"> Cultural Resource Information Listed on National Register of Historic Places MN SHPO Considered Eligible Finding Base County Boundary Railroad Cemetery Point of Interest School |
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Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present; MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
SEGMENT 2
PAGE 6 OF 17

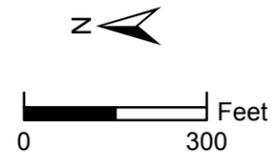
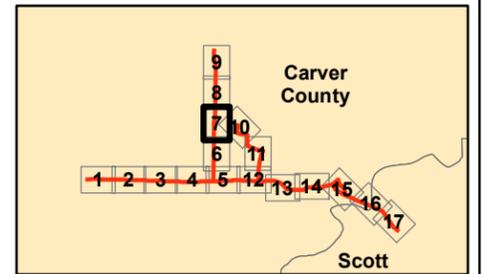


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

Carver and Scott Counties, MN

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|--|---|---|--|
| <ul style="list-style-type: none"> — Chaska Area 69 kV to 115 kV Upgrade Project - - - Removed as Part of Proposed Project - - - West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) Project Route Width (200 - 400 ft) Segment Start and End Location Install Swan Flight Diverter Existing Infrastructure Approximate Existing Transmission Line Existing Substations Xcel Substations Closest Business Closest Residence | <ul style="list-style-type: none"> NWI Wetlands Public Waters Inventory (Wetlands and Lakes) Stream or River 100-YR FEMA Floodplain 500-YR FEMA Floodplain MNDNR NHIS (2012) Vertebrate Animal Community Vascular Plant Geologic Municipalities / Townships | <ul style="list-style-type: none"> MCBS Sites of Biological Significance MCBS Native Plant Communities (None in Area) Wildlife Management Areas (None in Area) Scientific & Natural Areas (None in Area) Waterfowl Production Areas (None in Area) Park, Recreational, or Preserve Game Refuge (None in Area) State Conservation Easements (None in Area) Railroad Prairie (None in Area) | <ul style="list-style-type: none"> ● Listed on National Register of Historic Places ● MN SHPO Considered Eligible Finding Base County Boundary Railroad Cemetery Point of Interest School |
|--|---|---|--|

Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present; MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
SEGMENT 2
PAGE 7 OF 17

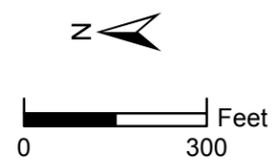
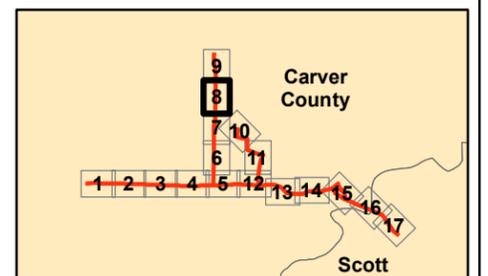


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

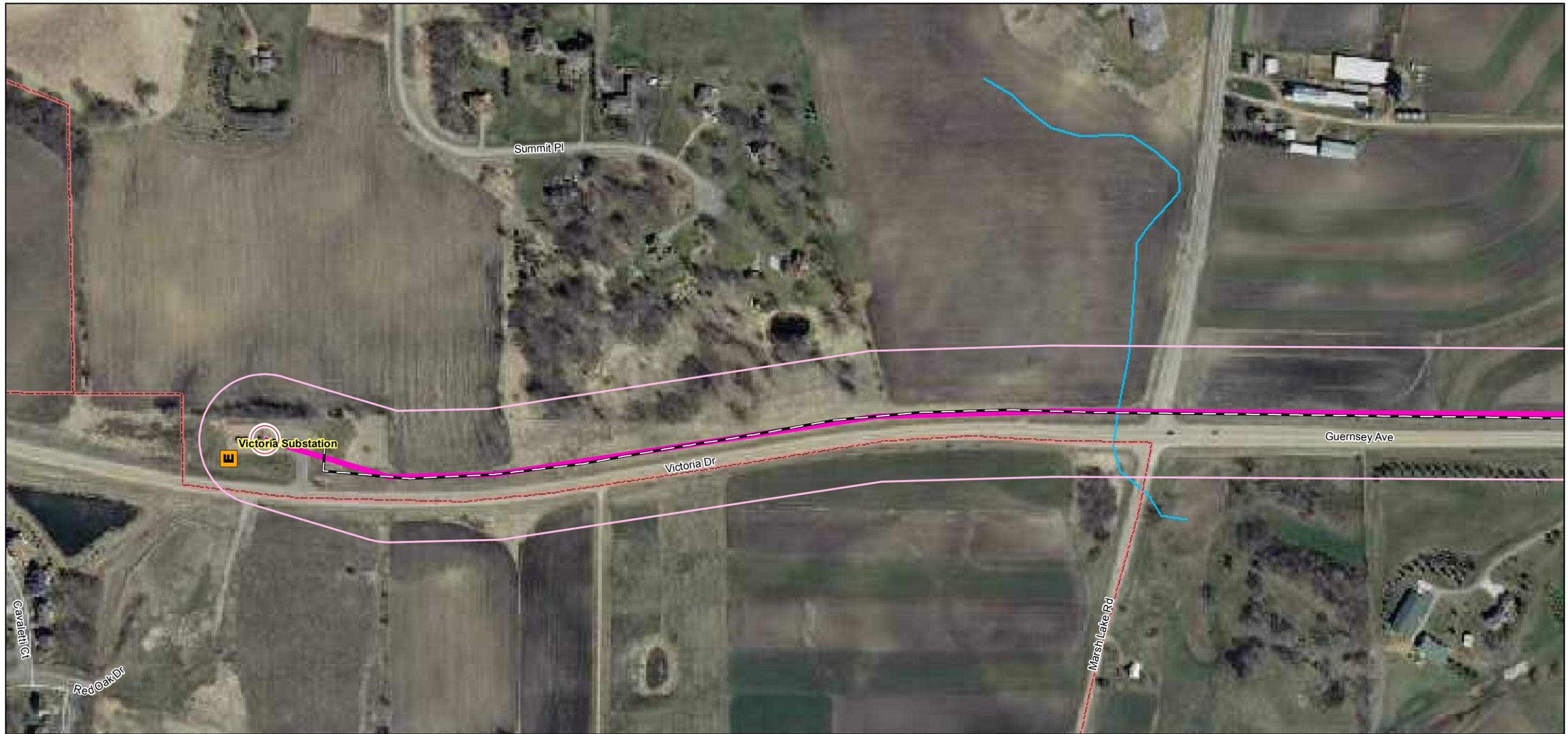
Carver and Scott Counties, MN

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| <ul style="list-style-type: none"> Chaska Area 69 kV to 115 kV Upgrade Project Removed as Part of Proposed Project West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) Project Route Width (200 - 400 ft) Segment Start and End Location Install Swan Flight Diverter Existing Infrastructure Approximate Existing Transmission Line Existing Substations Xcel Substations Closest Business Closest Residence | <p>Hydrography</p> <ul style="list-style-type: none"> NWI Wetlands Public Waters Inventory (Wetlands and Lakes) Stream or River 100-YR FEMA Floodplain 500-YR FEMA Floodplain <p>MNDNR NHIS (2012)</p> <ul style="list-style-type: none"> Vertebrate Animal Community Vascular Plant Geologic Municipalities / Townships | <p>Managed Lands</p> <ul style="list-style-type: none"> MCBS Sites of Biological Significance MCBS Native Plant Communities (None in Area) Wildlife Management Areas (None in Area) Scientific & Natural Areas (None in Area) Waterfowl Production Areas (None in Area) Park, Recreational, or Preserve Game Refuge (None in Area) State Conservation Easements (None in Area) Railroad Prairie (None in Area) | <p>Cultural Resource Information</p> <ul style="list-style-type: none"> Listed on National Register of Historic Places MN SHPO Considered Eligible Finding <p>Base</p> <ul style="list-style-type: none"> County Boundary Railroad Cemetery Point of Interest School |
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Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present. MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
SEGMENT 2
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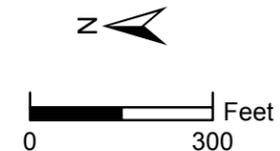
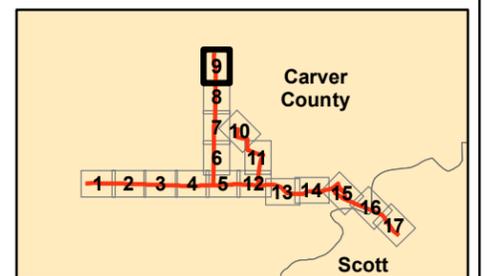


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

Carver and Scott Counties, MN

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| <ul style="list-style-type: none"> — Chaska Area 69 kV to 115 kV Upgrade Project X Removed as Part of Proposed Project — West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) — Project Route Width (200 - 400 ft) — Segment Start and End Location — Install Swan Flight Diverter Existing Infrastructure — Approximate Existing Transmission Line E Existing Substations S Xcel Substations B Closest Business R Closest Residence | Hydrography <ul style="list-style-type: none"> — NWI Wetlands — Public Waters Inventory (Wetlands and Lakes) — Stream or River — 100-YR FEMA Floodplain — 500-YR FEMA Floodplain MNDNR NHIS (2012) — Vertebrate Animal — Community — Vascular Plant — Geologic — Municipalities / Townships | Managed Lands <ul style="list-style-type: none"> — MCBS Sites of Biological Significance — MCBS Native Plant Communities (None in Area) — Wildlife Management Areas (None in Area) — Scientific & Natural Areas (None in Area) — Waterfowl Production Areas (None in Area) — Park, Recreational, or Preserve — Game Refuge (None in Area) — State Conservation Easements (None in Area) — Railroad Prairie (None in Area) | Cultural Resource Information <ul style="list-style-type: none"> ● Listed on National Register of Historic Places ● MN SHPO Considered Eligible Finding Base — County Boundary — Railroad — Cemetery — Point of Interest — School |
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Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present. MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
SEGMENT 2
PAGE 9 OF 17

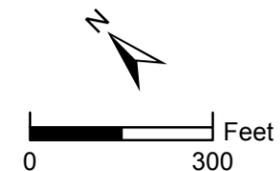
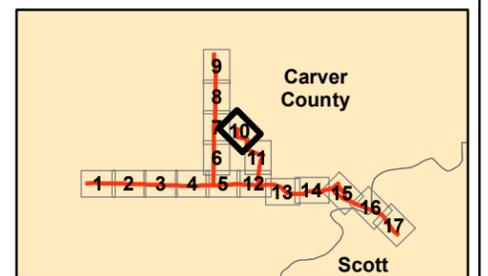


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

Carver and Scott Counties, MN

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| <ul style="list-style-type: none"> — Chaska Area 69 kV to 115 kV Upgrade Project X Removed as Part of Proposed Project — West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) Project Route Width (200 - 400 ft) Segment Start and End Location E Install Swan Flight Diverter Existing Infrastructure Approximate Existing Transmission Line E Existing Substations S Xcel Substations B Closest Business R Closest Residence | Hydrography <ul style="list-style-type: none"> NWI Wetlands Public Waters Inventory (Wetlands and Lakes) Stream or River 100-YR FEMA Floodplain 500-YR FEMA Floodplain MNDNR NHIS (2012) Vertebrate Animal Community Vascular Plant Geologic Municipalities / Townships | Managed Lands <ul style="list-style-type: none"> MCBS Sites of Biological Significance MCBS Native Plant Communities (None in Area) Wildlife Management Areas (None in Area) Scientific & Natural Areas (None in Area) Waterfowl Production Areas (None in Area) Park, Recreational, or Preserve Game Refuge (None in Area) State Conservation Easements (None in Area) Railroad Prairie (None in Area) | Cultural Resource Information <ul style="list-style-type: none"> ● Listed on National Register of Historic Places ● MN SHPO Considered Eligible Finding Base County Boundary Railroad Cemetery Point of Interest School |
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Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present. MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
SEGMENT 3
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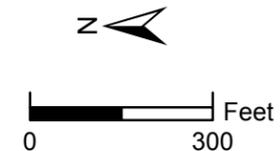
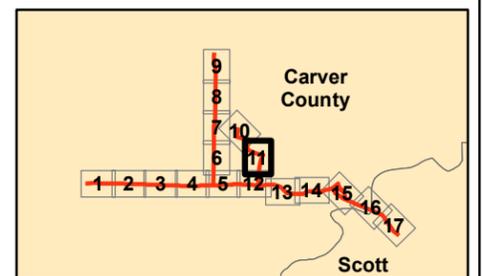


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

Carver and Scott Counties, MN

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| <ul style="list-style-type: none"> Chaska Area 69 kV to 115 kV Upgrade Project Removed as Part of Proposed Project West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) Project Route Width (200 - 400 ft) Segment Start and End Location Install Swan Flight Diverter Existing Infrastructure Approximate Existing Transmission Line Existing Substations Xcel Substations Closest Business Closest Residence | <ul style="list-style-type: none"> Hydrography NWI Wetlands Public Waters Inventory (Wetlands and Lakes) Stream or River 100-YR FEMA Floodplain 500-YR FEMA Floodplain MNDNR NHIS (2012) Vertebrate Animal Community Vascular Plant Geologic Municipalities / Townships | <ul style="list-style-type: none"> Managed Lands MCBS Sites of Biological Significance MCBS Native Plant Communities (None in Area) Wildlife Management Areas (None in Area) Scientific & Natural Areas (None in Area) Waterfowl Production Areas (None in Area) Park, Recreational, or Preserve Game Refuge (None in Area) State Conservation Easements (None in Area) Railroad Prairie (None in Area) | <ul style="list-style-type: none"> Cultural Resource Information Listed on National Register of Historic Places MN SHPO Considered Eligible Finding Base County Boundary Railroad Cemetery Point of Interest School |
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Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present. MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
SEGMENT 3
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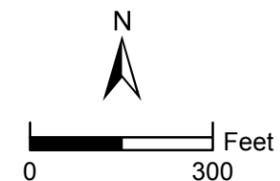
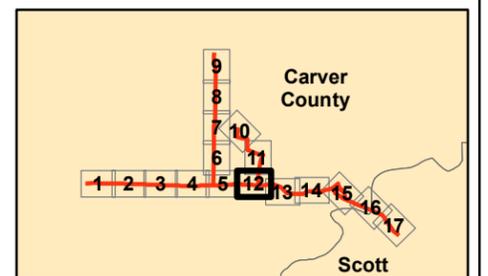


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

Carver and Scott Counties, MN

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| <ul style="list-style-type: none"> Chaska Area 69 kV to 115 kV Upgrade Project Removed as Part of Proposed Project West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) Project Route Width (200 - 400 ft) Segment Start and End Location Install Swan Flight Diverter Existing Infrastructure Approximate Existing Transmission Line Existing Substations Xcel Substations Closest Business Closest Residence | <ul style="list-style-type: none"> Hydrography NWI Wetlands Public Waters Inventory (Wetlands and Lakes) Stream or River 100-YR FEMA Floodplain 500-YR FEMA Floodplain MNDNR NHIS (2012) Vertebrate Animal Community Vascular Plant Geologic Municipalities / Townships | <ul style="list-style-type: none"> Managed Lands MCBS Sites of Biological Significance MCBS Native Plant Communities (None in Area) Wildlife Management Areas (None in Area) Scientific & Natural Areas (None in Area) Waterfowl Production Areas (None in Area) Park, Recreational, or Preserve Game Refuge (None in Area) State Conservation Easements (None in Area) Railroad Prairie (None in Area) | <ul style="list-style-type: none"> Cultural Resource Information Listed on National Register of Historic Places MN SHPO Considered Eligible Finding Base County Boundary Railroad Cemetery Point of Interest School |
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Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present. MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
SEGMENTS 2, 3, & 4
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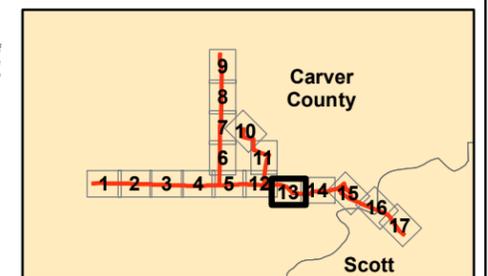


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

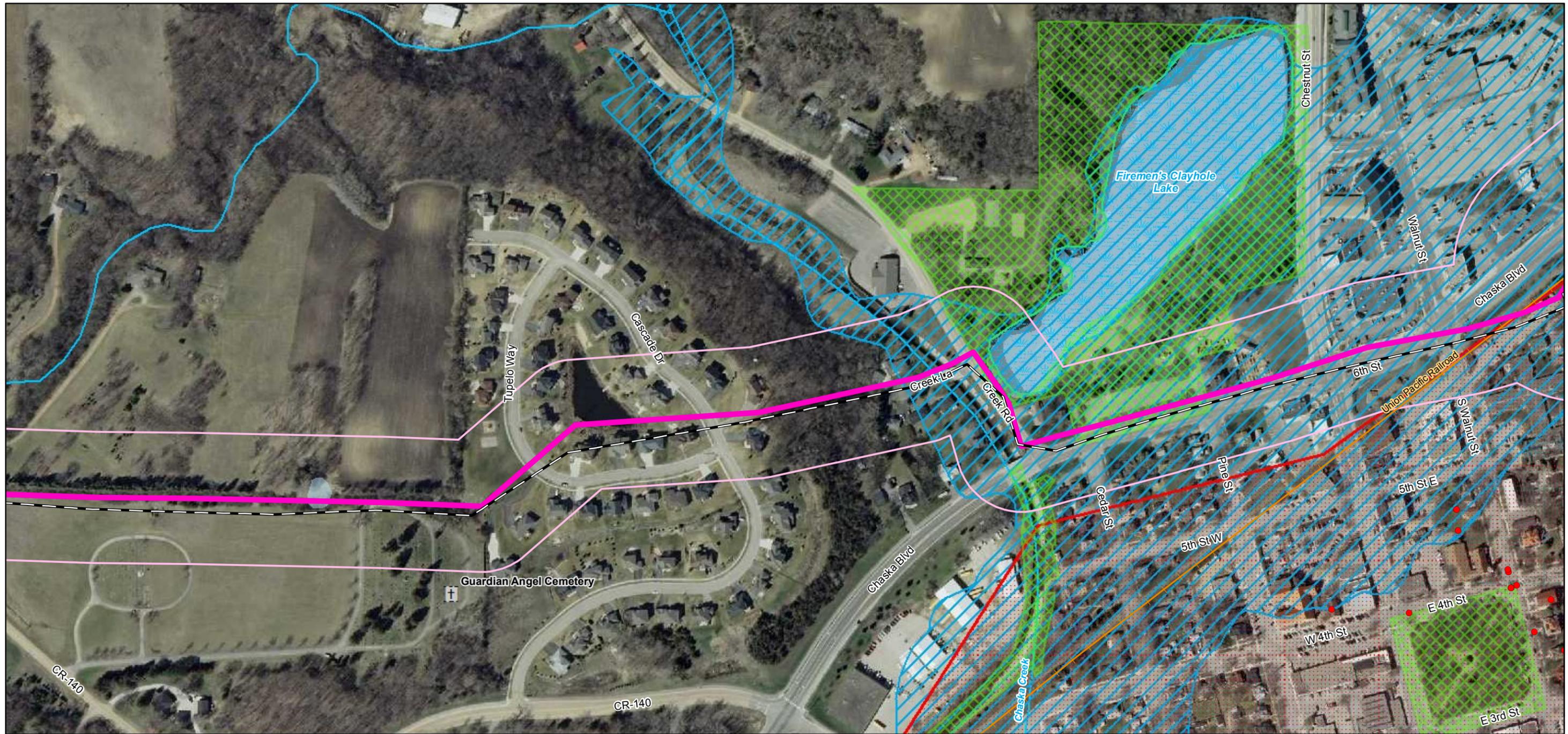
Carver and Scott Counties, MN

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| <ul style="list-style-type: none"> — Chaska Area 69 kV to 115 kV Upgrade Project - - - Removed as Part of Proposed Project - - - West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) Project Route Width (200 - 400 ft) Segment Start and End Location Install Swan Flight Diverter Existing Infrastructure Approximate Existing Transmission Line Existing Substations Xcel Substations ■ Closest Business ■ Closest Residence | Hydrography <ul style="list-style-type: none"> NWI Wetlands Public Waters Inventory (Wetlands and Lakes) Stream or River 100-YR FEMA Floodplain 500-YR FEMA Floodplain MNDNR NHIS (2012) <ul style="list-style-type: none"> Vertebrate Animal Community Vascular Plant Geologic Municipalities / Townships | Managed Lands <ul style="list-style-type: none"> MCBS Sites of Biological Significance MCBS Native Plant Communities (None in Area) Wildlife Management Areas (None in Area) Scientific & Natural Areas (None in Area) Waterfowl Production Areas (None in Area) Park, Recreational, or Preserve Game Refuge (None in Area) State Conservation Easements (None in Area) Railroad Prairie (None in Area) | Cultural Resource Information <ul style="list-style-type: none"> ● Listed on National Register of Historic Places ● MN SHPO Considered Eligible Finding Base <ul style="list-style-type: none"> County Boundary Railroad Cemetery ▲ Point of Interest ▲ School |
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Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present. MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
SEGMENT 4
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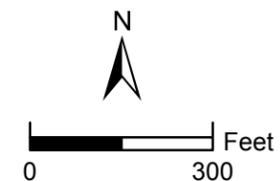
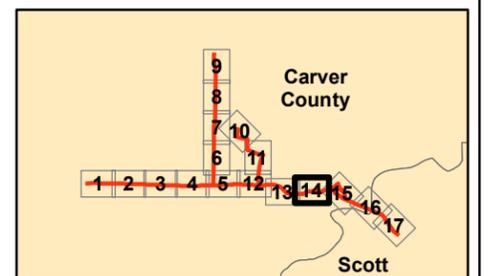


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

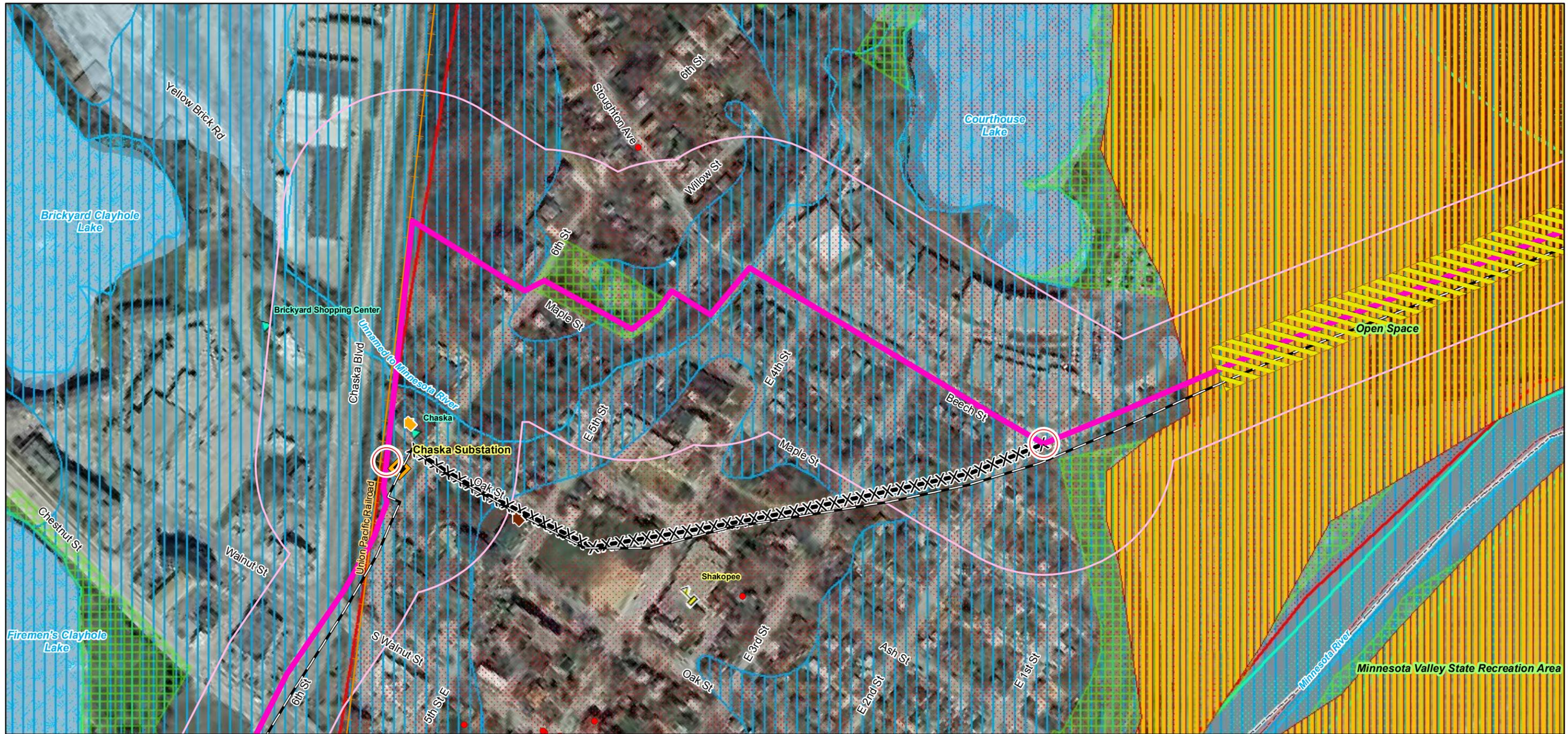
Carver and Scott Counties, MN

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| <ul style="list-style-type: none"> Chaska Area 69 kV to 115 kV Upgrade Project Removed as Part of Proposed Project West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) Project Route Width (200 - 400 ft) Segment Start and End Location Install Swan Flight Diverter Existing Infrastructure Approximate Existing Transmission Line Existing Substations Xcel Substations Closest Business Closest Residence | <ul style="list-style-type: none"> Hydrography NWI Wetlands Public Waters Inventory (Wetlands and Lakes) Stream or River 100-YR FEMA Floodplain 500-YR FEMA Floodplain MNDNR NHIS (2012) Vertebrate Animal Community Vascular Plant Geologic Municipalities / Townships | <ul style="list-style-type: none"> Managed Lands MCBS Sites of Biological Significance MCBS Native Plant Communities (None in Area) Wildlife Management Areas (None in Area) Scientific & Natural Areas (None in Area) Waterfowl Production Areas (None in Area) Park, Recreational, or Preserve Game Refuge (None in Area) State Conservation Easements (None in Area) Railroad Prairie (None in Area) | <ul style="list-style-type: none"> Cultural Resource Information Listed on National Register of Historic Places MN SHPO Considered Eligible Finding Base County Boundary Railroad Cemetery Point of Interest School |
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Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present: MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
SEGMENT 4
PAGE 14 OF 17

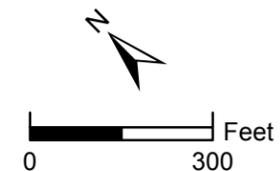
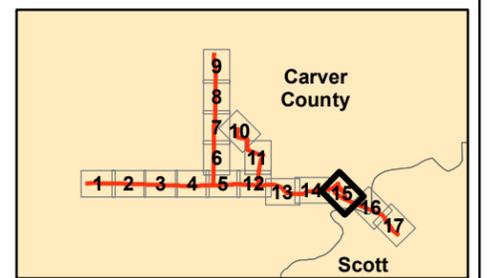


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

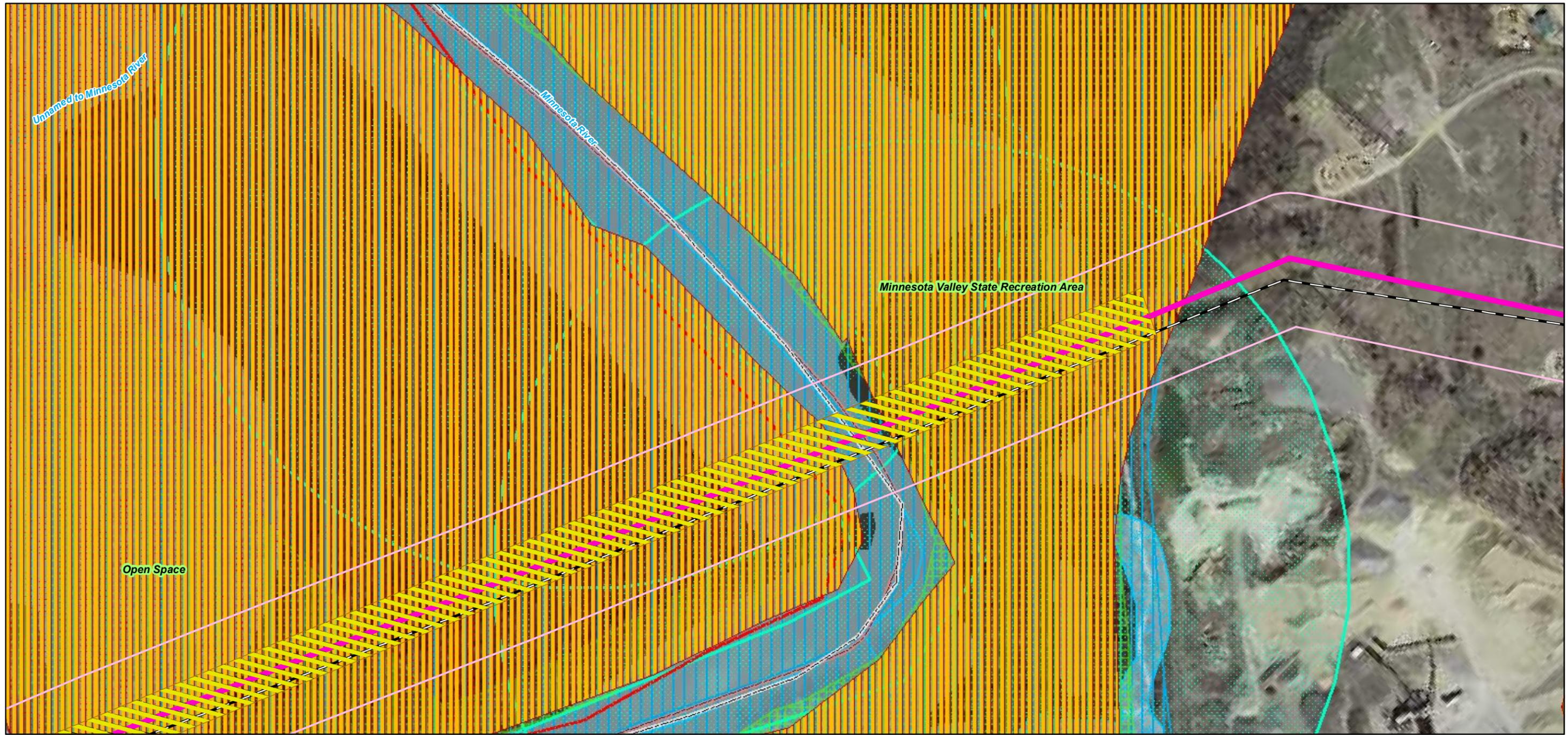
Carver and Scott Counties, MN

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| <ul style="list-style-type: none"> — Chaska Area 69 kV to 115 kV Upgrade Project XX Removed as Part of Proposed Project — West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) Project Route Width (200 - 400 ft) Segment Start and End Location ▤ Install Swan Flight Diverter Existing Infrastructure — Approximate Existing Transmission Line E Existing Substations S Xcel Substations 📍 Closest Business 🏠 Closest Residence | Hydrography <ul style="list-style-type: none"> — NWI Wetlands — Public Waters Inventory (Wetlands and Lakes) — Stream or River 100-YR FEMA Floodplain 500-YR FEMA Floodplain MNDNR NHIS (2012) — Vertebrate Animal — Community — Vascular Plant — Geologic Municipalities / Townships | Managed Lands <ul style="list-style-type: none"> MCBS Sites of Biological Significance MCBS Native Plant Communities (None in Area) Wildlife Management Areas (None in Area) Scientific & Natural Areas (None in Area) Waterfowl Production Areas (None in Area) Park, Recreational, or Preserve Game Refuge (None in Area) State Conservation Easements (None in Area) Railroad Prairie (None in Area) | Cultural Resource Information <ul style="list-style-type: none"> ● Listed on National Register of Historic Places ● MN SHPO Considered Eligible Finding Base County Boundary — Railroad — Cemetery — Point of Interest — School |
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Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present; MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
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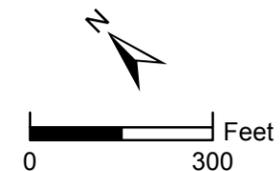
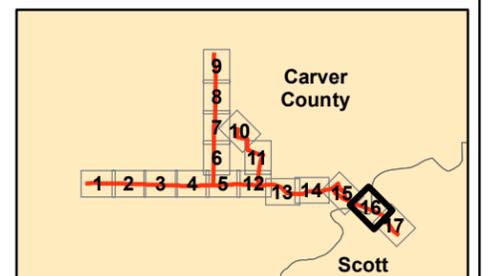


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

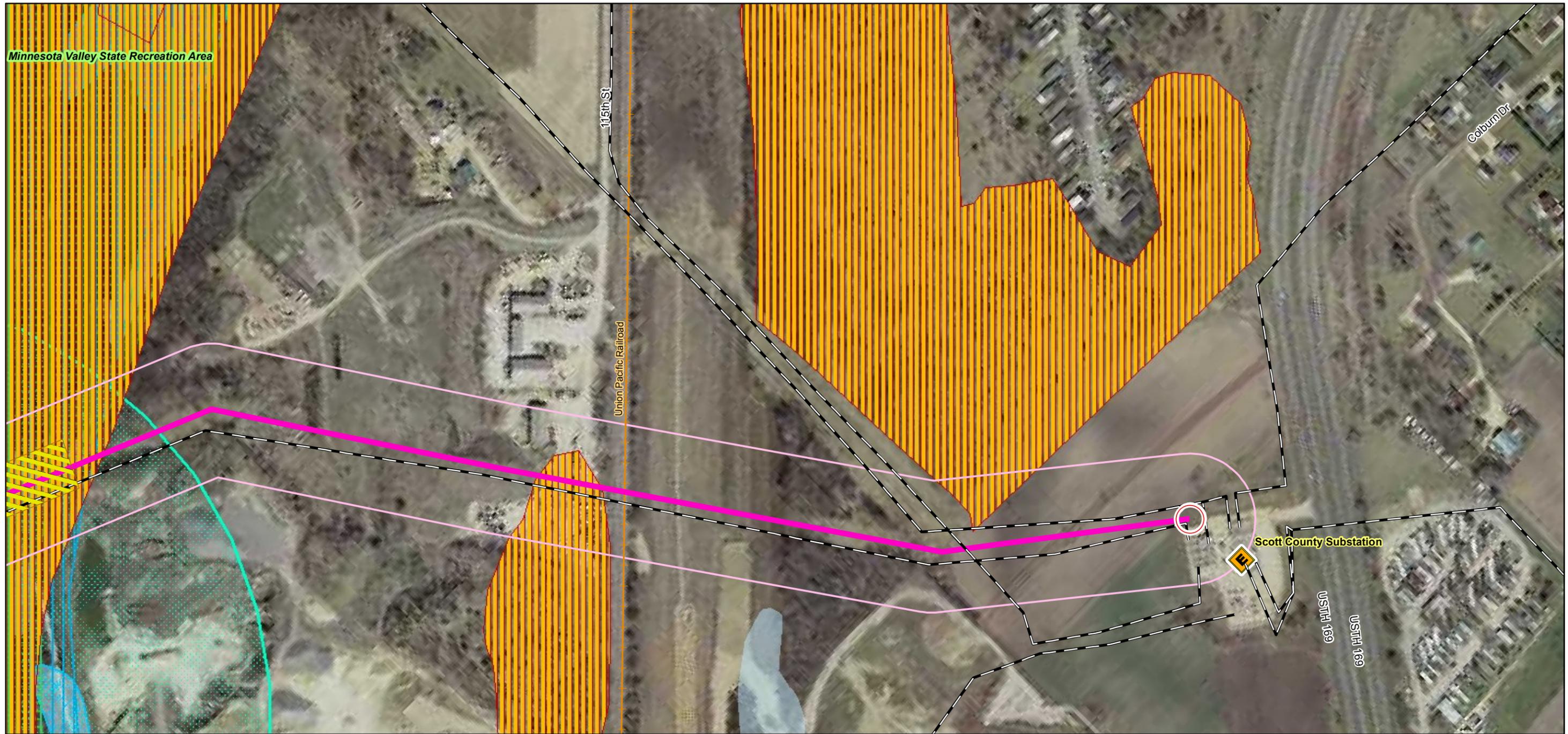
Carver and Scott Counties, MN

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| <ul style="list-style-type: none"> Chaska Area 69 kV to 115 kV Upgrade Project Removed as Part of Proposed Project West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) Project Route Width (200 - 400 ft) Segment Start and End Location Install Swan Flight Diverter Existing Infrastructure Approximate Existing Transmission Line Existing Substations Xcel Substations Closest Business Closest Residence | <ul style="list-style-type: none"> Hydrography NWI Wetlands Public Waters Inventory (Wetlands and Lakes) Stream or River 100-YR FEMA Floodplain 500-YR FEMA Floodplain MNDNR NHIS (2012) Vertebrate Animal Community Vascular Plant Geologic Municipalities / Townships | <ul style="list-style-type: none"> Managed Lands MCBS Sites of Biological Significance MCBS Native Plant Communities (None in Area) Wildlife Management Areas (None in Area) Scientific & Natural Areas (None in Area) Waterfowl Production Areas (None in Area) Park, Recreational, or Preserve Game Refuge (None in Area) State Conservation Easements (None in Area) Railroad Prairie (None in Area) | <ul style="list-style-type: none"> Cultural Resource Information Listed on National Register of Historic Places MN SHPO Considered Eligible Finding Base County Boundary Railroad Cemetery Point of Interest School |
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Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present: MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
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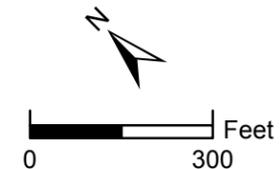
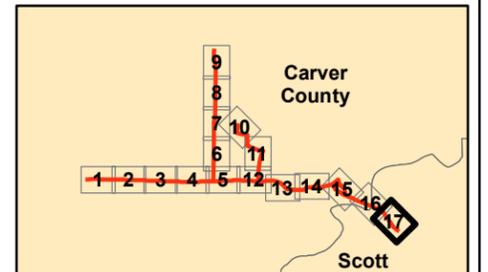


Upgrade of the Chaska Area 69 kV Transmission Line to 115 kV Capacity

Carver and Scott Counties, MN

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| <ul style="list-style-type: none"> Chaska Area 69 kV to 115 kV Upgrade Project Removed as Part of Proposed Project West Creek Substation & Tap Line (NOT PART OF THIS ROUTE PERMIT APPLICATION) Project Route Width (200 - 400 ft) Segment Start and End Location Install Swan Flight Diverter Existing Infrastructure Approximate Existing Transmission Line Existing Substations Xcel Substations Closest Business Closest Residence | <ul style="list-style-type: none"> Hydrography NWI Wetlands Public Waters Inventory (Wetlands and Lakes) Stream or River 100-YR FEMA Floodplain 500-YR FEMA Floodplain MNDNR NHIS (2012) Vertebrate Animal Community Vascular Plant Geologic Municipalities / Townships | <ul style="list-style-type: none"> Managed Lands MCBS Sites of Biological Significance MCBS Native Plant Communities (None in Area) Wildlife Management Areas (None in Area) Scientific & Natural Areas (None in Area) Waterfowl Production Areas (None in Area) Park, Recreational, or Preserve Game Refuge (None in Area) State Conservation Easements (None in Area) Railroad Prairie (None in Area) | <ul style="list-style-type: none"> Cultural Resource Information Listed on National Register of Historic Places MN SHPO Considered Eligible Finding Base County Boundary Railroad Cemetery Point of Interest School |
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Data Source(s): All data are approximate. Copyright 2010-State of MN DNR Ecological and Waters Division, NHIS (2012) - NHIS rare feature data included here were provided by the Division of Ecological Resources, MN DNR and current as of 2012. These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present. MN LMIC Imagery (2011); MN LMIC GNIS (1998); MN SHPO (2009); MN OSA (2009); NHR (2009); MNDNR CBS (2009); MNDOT (2004); MNDNR (various years & multiple datasets on fee lands); FSA CRP (2007); USGS NHD (2008); USFWS NWI (1997); BWSR (2009); Ventyx Velocity Suite (2010); ESRI Transportation (2009); Metropolitan Council (2006); MN DNR, Division of Waters (2008); LMIC WMS (2010); FEMA (2003); WPS (2010); Xcel (2010).



Environmental Features Map
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