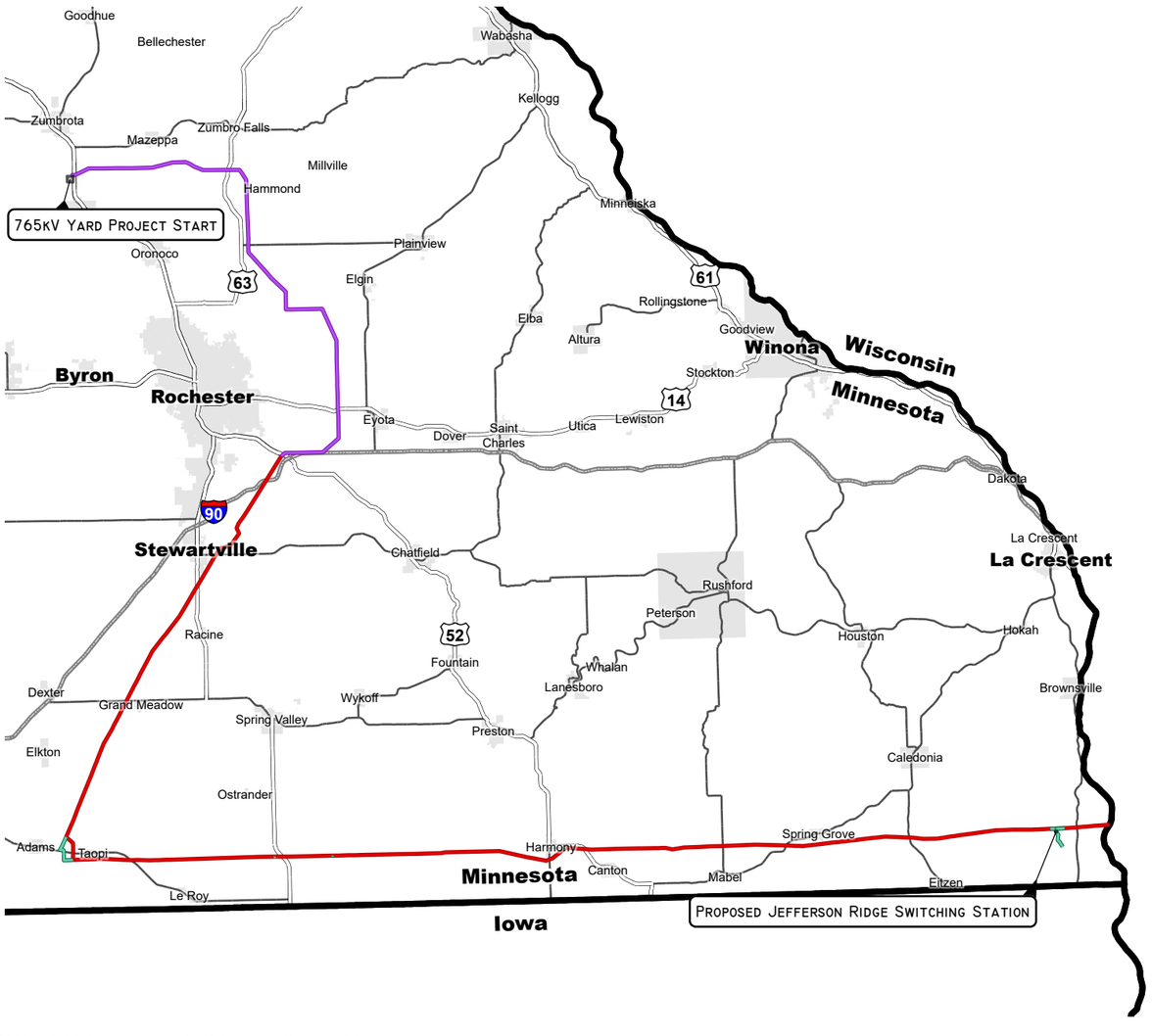
Gopher to Badger Link

Appendix F: Route Maps

Cover Page

Date: 10/29/2026



Route Map Legend

- Existing Substation
- Segment 1
- Segment 2
- Dairyland 161 kV Rebuilds (including Q-9)
- Switchyard
- Temporary Switchyard Workspace
- Proposed Route
- Residence
- Structures within Right-Of-Way (ROW)
- Mower County Wind Energy Center Project
- Prairie Star Project
- Solar Projects
- Aggregate Gravel Mine
- Federal Communications Commission (FCC) Tower
- Allied Radio Matrix for Emergency Response (ARMER) Tower
- Airports
- Calcareous Fens
- Active Domestic Wells
- Karst Inventory
- Existing 69 kV
- Existing 161 kV
- Existing 345 kV
- Mankato-Mississippi River Transmission (MMRT) Project
- Beaver Creek Transmission Project
- Project Skyway Proposed High Voltage Transmission Line (HVTL)
- Project Skyway
- Lemon Hill Solar Project
- PowerOn Midwest Study Area
- Private Business Parcel
- Snowmobile Trail
- State Trails
- State Water Trails
- 10' Elevation Contours
- Railroad
- Public Water Watercourse
- Public Ditch/Altered Natural Watercourse
- Stream/River/Ditch
- Impaired Stream
- Designated Trout Stream
- Protected Tributary to Designated Trout Stream
- Decorah Edge
- Minnesota Department of Natural Resources (MDNR) Native Plant Communities
- Minnesota Department of Natural Resources (MDNR) Sites of Biodiversity Significance
- Minnesota Department of Natural Resources (MDNR) Lakes of Biodiversity Significance
- Rare and Potential Rare Natural Communities
- Minnesota Department of Natural Resources (MDNR) Native Prairie
- Minnesota Board of Water & Soil Resources (BWSR) Easement
- Wellhead Protection Areas
- Drinking Water Supply Management Areas (DWSMA)
- Upper Mississippi National Wildlife and Fish Refuge (NWFR)
- Fillmore Farm Service Agency (FSA)
- Root River Park
- Wildlife Management Area
- Aquatic Management Area
- Scientific and Natural Area
- State Park
- State Forest
- State Trail
- Shallow Lakes Identified By Minnesota Department of Natural Resources (MDNR) Wildlife
- Public Waters Basin
- Island or Land
- Lake, Pond or Reservoir
- River or Stream

Statewide National Wetlands Inventory (NWI) Minnesota Department of Natural Resources (MDNR)

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine
- Impaired Lake
- Impaired Wetland
- 1% Annual Chance of Flooding
- Municipality
- Township
- Section
- County Boundary

DISCLAIMER: This information is believed to be correct but is subject to change and is not warranted.

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Appendix F: Route Maps

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Gopher to Badger Link

Segment 1 (Single Circuit)

765kV Yard Project Start

North Rochester Substation (Xcel)

Existing Substation
Segment 1
Proposed Route
Residence
FCC Tower

Active Domestic Wells
Karst Inventory
Existing 69 kV
Existing 161 kV
Existing 345 kV

MMRT Project
Project Skyway Proposed HVTL
Project Skyway
PowerOn Midwest Study Area
Snowmobile Trail

State Water Trails
10' Elevation Contours
Public Water Watercourse
Stream/River/Ditch
Impaired Stream

MDNR Native Plant Communities
MDNR Sites of Biodiversity Significance
BWSR Easement
Wellhead Protection Areas
DWSMA

Lake, Pond or Reservoir
Statewide NWI MDNR
Freshwater Emergent Wetland
Freshwater Pond
Riverine
1% annual chance of flooding

Municipality
Township
Section
County Boundary

DISCLAIMER: This information is believed to be correct but is subject to change and is not warranted.

Appendix F: Route Maps

Page 2 of 23 | Date: 11/2/2026

Gopher to Badger Link

Segment 1
Proposed Route
Residence
FCC Tower

Active Domestic Wells
Karst Inventory
Existing 69 kV
Private Business Parcel
Snowmobile Trail

State Water Trails
10' Elevation Contours
Public Water Watercourse
Stream/River/Ditch
Impaired Stream

Designated Trout Stream
MDNR Native Plant Communities
MDNR Sites of Biodiversity Significance
MDNR Native Prairie

BWSR Easement
Wellhead Protection Areas
DWSMA
Aquatic Management Area
Lake, Pond or Reservoir

River or Stream
Statewide NWI MDNR
Freshwater Emergent Wetland
Freshwater Pond
Riverine

1% annual chance of flooding
Municipality
Township
Section
County Boundary

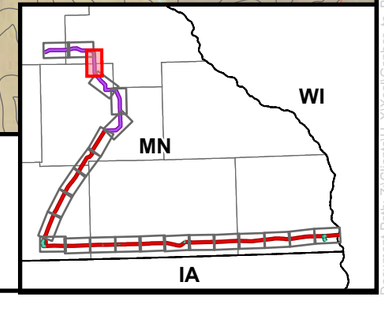
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Appendix F: Route Maps

Gopher to Badger Link

DISCLAIMER: This information is believed to be correct but is subject to change and is not warranted

- Segment 1
- Proposed Route
- Residence
- Active Domestic Wells
- Karst Inventory
- Existing 69 kV
- Existing 161 kV
- Existing 345 kV
- MMRT Project
- Snowmobile Trail
- State Water Trails
- 10' Elevation Contours
- Public Water Watercourse
- Stream/River/Ditch
- Impaired Stream
- Designated Trout Stream
- Protected Tributary to Designated Trout Stream
- MDNR Native Plant Communities
- MDNR Sites of Biodiversity Significance
- DWSMA
- Lake, Pond or Reservoir
- River or Stream
- Statewide NWI MDNR
- Freshwater Emergent Wetland
- Freshwater Pond
- Riverine
- 1% annual chance of flooding
- Municipality
- Township
- Section
- County Boundary



Appendix F: Route Maps

Gopher to Badger Link

Segment 1
Proposed Route
Residence
Active Domestic Wells
Karst Inventory

Existing 69 kV
Existing 161 kV
Lemon Hill Solar Project
Snowmobile Trail
10' Elevation Contours

Public Water Watercourse
Stream/River/Ditch
Decorah Edge
MDNR Native Plant Communities

MDNR Sites of Biodiversity Significance
MDNR Native Prairie
BWSR Easement
DWSMA

Lake, Pond or Reservoir
Statewide NWI MDNR
Freshwater Emergent Wetland
Freshwater Pond
Riverine

Township
Section
County Boundary

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Appendix F: Route Maps

Gopher to Badger Link

Segment 1
(Single Circuit)

Thomas St
Center St
Main St NE
Market St NE
105th Ave NE
100th Ave SE
97th Ave NE
90th Ave NE
80th Ave NE
75th Ave NE
58th St NE
65th St NE
55th St NE
48th St NE
T-281
T-282
Silver Creek Rd NE
80th Ave NE
Great River Ridge State Trail
Whitewater River, North Branch
Silver Creek
Viola Township
Haverhill Township
Eyota Township
Marion Township

Section 1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34, 36

2, 9, 24, 102, 124

0 1,000 2,000 Feet

N

WI
MN
IA

Segment 1
- Proposed Route
- Residence
- Structures within ROW
- FCC Tower

Active Domestic Wells
- Karst Inventory
- Existing 161 kV
- Lemon Hill Solar Project
- Snowmobile Trail

State Trails
- 10' Elevation Contours
- Public Water Watercourse
- Stream/River/Ditch
- Impaired Stream

Decorah Edge
- MDNR Sites of Biodiversity Significance
- BWSR Easement
- Wellhead Protection Areas

DWSMA
- Lake, Pond or Reservoir

Statewide NWI MDNR
- Freshwater Emergent Wetland
- Freshwater Pond

Riverine
- 1% annual chance of flooding
- Township
- Section
- County Boundary

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Appendix F: Route Maps

Gopher to Badger Link

DISCLAIMER: This information is believed to be correct but is subject to change and is not warranted.

Segment 1
Proposed Route
Residence
Structures within ROW
Aggregate Gravel Mine
FCC Tower

Airports
Active Domestic Wells
Karst Inventory
Existing 69 kV
Existing 161 kV
Snowmobile Trail

10' Elevation Contours
Railroad
Public Water Watercourse
Stream/River/Ditch
Designated Trout Stream

Protected Tributary to Designated Trout Stream
Decorah Edge
MDNR Native Plant Communities
MDNR Sites of Biodiversity Significance

Potential Rare Natural Communities
MDNR Native Prairie
BWSR Easement
Wellhead Protection Areas
DWSMA

State Trail
Lake, Pond or Reservoir
Statewide NWI MDNR
Freshwater Emergent Wetland
Freshwater Pond
Lake

Riverine
1% annual chance of flooding
Municipality
Township
Section
County Boundary

0 1,000 2,000 Feet

WI
MN
IA

Appendix F: Route Maps

Gopher to Badger Link

Segment 1
Segment 2
Proposed Route
Residence
Structures within ROW

FCC Tower
Active Domestic Wells
Karst Inventory
Existing 69 kV
Existing 161 kV

Private Business Parcel
Snowmobile Trail
10' Elevation Contours
Public Water Watercourse
Stream/River/Ditch

Impaired Stream
Designated Trout Stream
Decorah Edge
MDNR Native Plant Communities

MDNR Sites of Biodiversity Significance
Potential Rare Natural Communities
Root River Park
State Forest

Lake, Pond or Reservoir
River or Stream
Statewide NWI MDNR
Freshwater Emergent Wetland
Freshwater Pond

Riverine
1% annual chance of flooding
Township
Section
County Boundary

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Appendix F: Route Maps

Gopher to Badger Link

Segment 2 (Double Circuit)

Q-4

FILLMORE COUNTY
OLMSTED COUNTY

FILLMORE COUNTY
MOWER COUNTY

MOWER COUNTY
OLMSTED COUNTY

Sumner Township
Pleasant Grove Township

Sumner Township
High Forest Township

Racine Township
Mower-Fillmore Rd

Pleasant Grove Township
High Forest Township

Racine Township
High Forest Township

Stewartville

Racine Prairie

Nichols Creek

Root River

Kramer Rd NE

Redron Creek

Carey Creek

Section 1
Section 2
Section 3
Section 4
Section 5
Section 6
Section 7
Section 8
Section 10
Section 11
Section 12
Section 13
Section 14
Section 15
Section 16
Section 18
Section 19
Section 20
Section 22
Section 23
Section 24
Section 25
Section 26
Section 27
Section 28
Section 29
Section 30
Section 31
Section 32
Section 33
Section 34
Section 35
Section 36

111th Ave
115th Ave
150th Ave
20th Ave SE
31st Ave SE
37th Ave SE
39th Ave SE
98th St SE
105th St SE
110th St SE
320th St
330th St
15th Ave NE
2nd Ave SW
16th St SE
16th St SW
772nd Ave
770th Ave
785th Ave
795th Ave

0 1,000 2,000 Feet

WI
MN
IA

Segment 2

- Proposed Route
- Residence
- FCC Tower
- Calcareous Fens
- Active Domestic Wells
- Karst Inventory
- Existing 69 kV
- Existing 161 kV
- Snowmobile Trail
- 10' Elevation Contours
- Public Water Watercourse
- Stream/River/Ditch
- Impaired Stream
- MDNR Native Plant Communities
- MDNR Sites of Biodiversity Significance
- MDNR Native Prairie
- BWSR Easement
- Wellhead Protection Areas
- DWSMA
- Scientific and Natural Area
- Shallow Lakes Identified By Dnr Wildlife
- Public Waters Basin
- Lake, Pond or Reservoir
- River or Stream

Statewide NWI MDNR

- Freshwater Emergent Wetland
- Freshwater Pond
- Riverine
- 1% annual chance of flooding

- Municipality
- Township
- Section
- County Boundary

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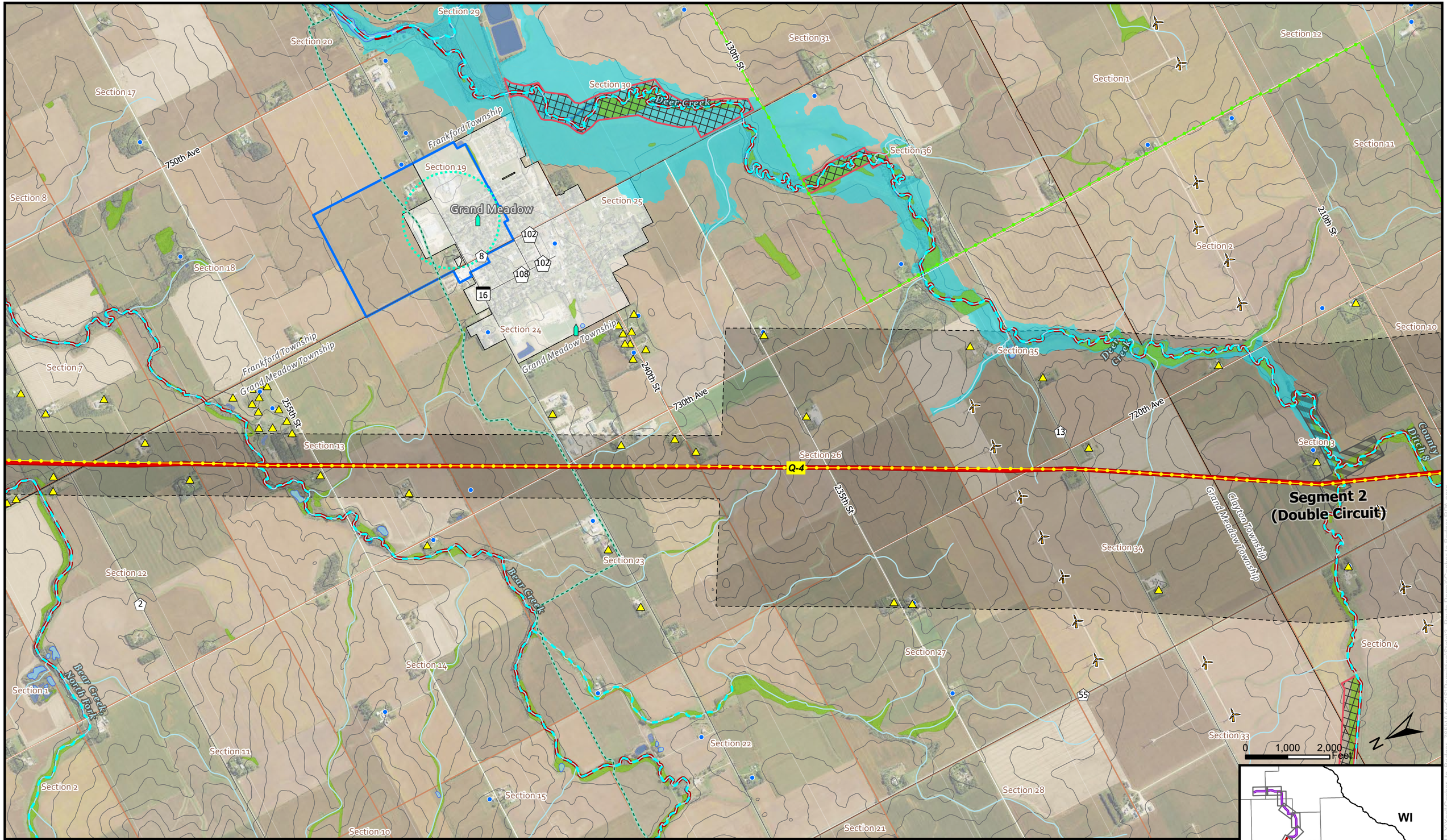
Appendix F: Route Maps

Gopher to Badger Link

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Segment 2
Proposed Route
Residence
Active Domestic Wells
Karst Inventory
Existing 69 kV
Existing 161 kV
Snowmobile Trail
10' Elevation Contours
Public Water Watercourse
Stream/River/Ditch
Impaired Stream
MDNR Native Plant Communities
MDNR Sites of Biodiversity Significance
Potential Rare Natural Communities
MDNR Native Prairie
BWSR Easement
Wellhead Protection Areas
DWSMA
Wildlife Management Area
Scientific and Natural Area
Lake, Pond or Reservoir
Statewide NWI MDNR
Freshwater Emergent Wetland
Freshwater Pond
Riverine
Municipality
Township
Section
County Boundary

Data Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Appendix F: Route Maps

Gopher to Badger Link

- Segment 2
- Proposed Route
- Residence
- Prairie Star Project
- FCC Tower
- Active Domestic Wells
- Existing 69 kV
- Existing 161 kV
- Snowmobile Trail
- 10' Elevation Contours
- Public Water Watercourse
- Stream/River/Ditch
- Impaired Stream
- MDNR Sites of Biodiversity Significance
- BWSR Easement
- Wellhead Protection Areas
- DWSMA
- Lake, Pond or Reservoir

Statewide NWI MDNR

- Freshwater Emergent Wetland
- Freshwater Pond
- Riverine
- 1% annual chance of flooding
- Municipality
- Township
- Section
- County Boundary

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Xcel Public Documents\Xcel Projects\Gopher to Badger\GIS\ArcGIS\Permitting\Status Maps\Gopher to Badger_Permitting_Status_Maps.aprx