

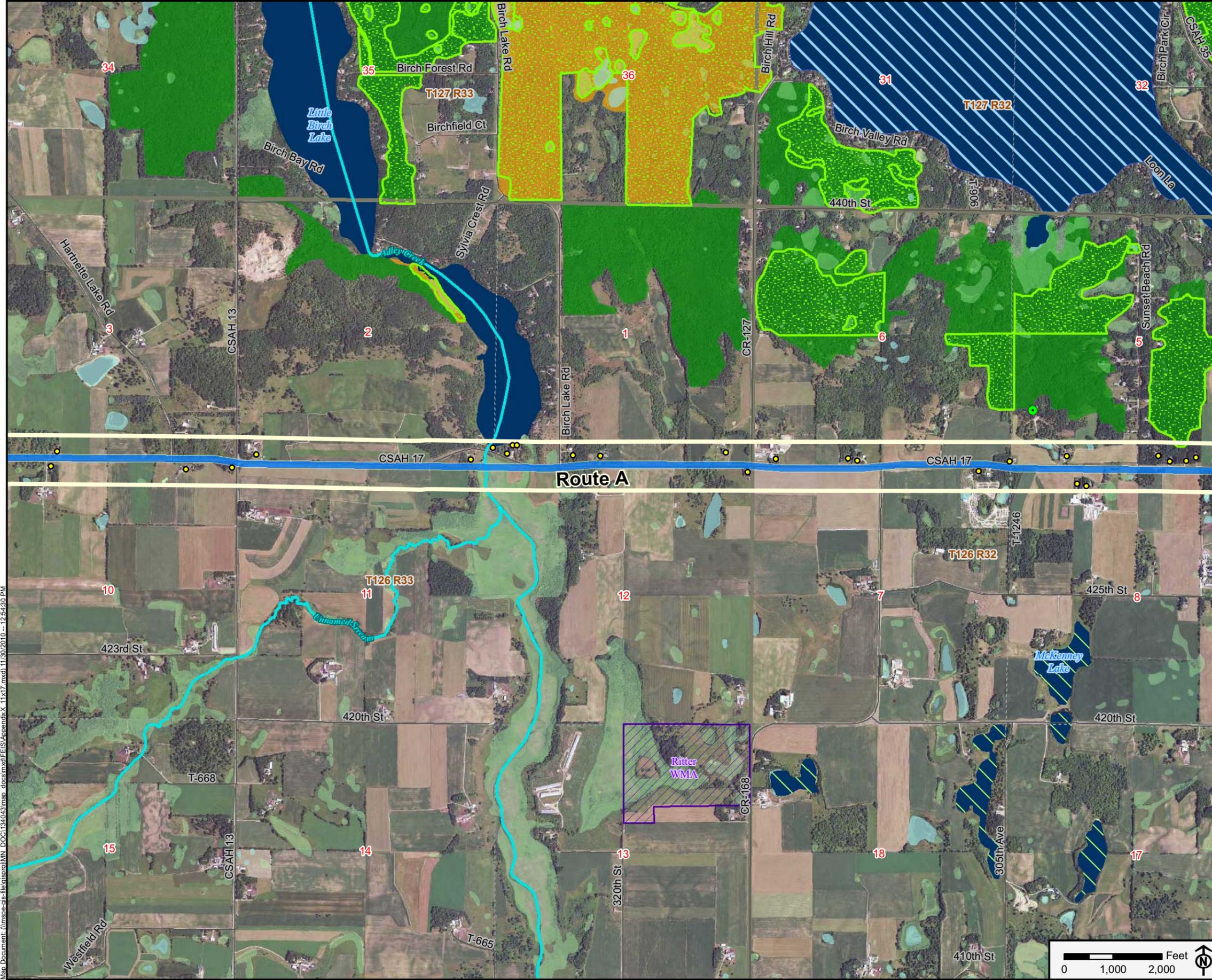
Appendix C
Detailed Routes and Segments
 Fargo to St. Cloud - 345 kV Transmission Line
 Sheet: 59 of 102



- Route Boundary
- Assumed ROW
- Preferred Route
- Route A
- Route B
- Route C
- Route D
- Route E
- Route F
- Route G
- Route H
- Option Segment
- Amended-Scope Segment
- Underground Segment
- FCC Antenna Structure
- Private-use Airport
- Public-use Airport
- State/County Trail
- Substation
- Residence
- NoRCA Identified Residence
- Pipeline
- 69kV AC Transmission Line
- 115kV AC Transmission Line
- 230kV AC Transmission Line
- 250kV DC Transmission Line
- 400kV DC Transmission Line
- Center Pivot Irrigation System
- MCBS ROW Prairie
- Trout Stream
- Impaired Stream
- Public Waters Inventory Stream
- Calcareous Fen
- RIM Easement
- DNR Native Plant Community
- Scientific and Natural Area
- Wildlife Management Area
- USFWS Easement
- Waterfowl Production Area
- Wild & Scenic River District
- MnDOT Scenic Easement
- MnDOT Scenic Byway
- Road
- Municipal Boundary
- Township Boundary
- Section Line
- Impaired Wetland
- Impaired Lake
- Public Waters Inventory Wetland
- Public Waters Inventory Basin
- FEMA 100-year Floodplain
- Lake
- NWI Wetland
- MCBS Site of Biodiversity Significance
- Moderate
- High
- Outstanding
- State Game Refuge

Map Document: \\umspc-ds-fis\risarc\MIN_DOC\114043\map_docs\mxd\FEIS\AppendixX_11x17.mxd 11/30/2010 - 12:54:30 PM

Appendix C
Detailed Routes and Segments
 Fargo to St. Cloud - 345 kV Transmission Line
 Sheet: 60 of 102

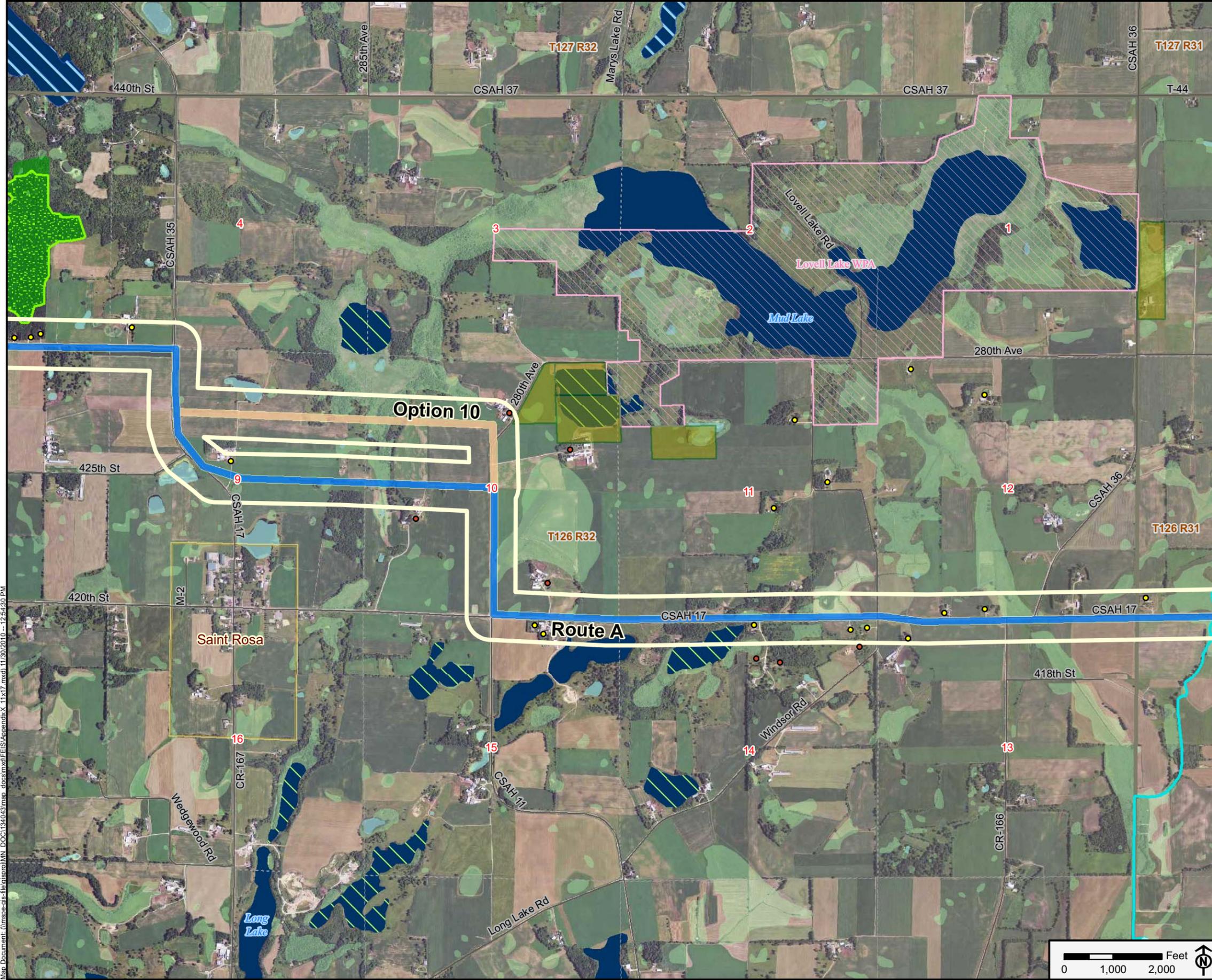


- Route Boundary
- Assumed ROW
- Preferred Route
- Route A
- Route B
- Route C
- Route D
- Route E
- Route F
- Route G
- Route H
- Option Segment
- Amended-Scope Segment
- Underground Segment
- FCC Antenna Structure
- Private-use Airport
- Public-use Airport
- State/County Trail
- Substation
- Residence
- NoRCA Identified Residence
- Pipeline
- 69kV AC Transmission Line
- 115kV AC Transmission Line
- 230kV AC Transmission Line
- 250kV DC Transmission Line
- 400kV DC Transmission Line
- Center Pivot Irrigation System
- MCBS ROW Prairie
- Trout Stream
- Impaired Stream
- Public Waters Inventory Stream
- Calcareous Fen
- RIM Easement
- DNR Native Plant Community
- Scientific and Natural Area
- Wildlife Management Area
- USFWS Easement
- Waterfowl Production Area
- Wild & Scenic River District
- MnDOT Scenic Easement
- MnDOT Scenic Byway
- Road
- Municipal Boundary
- Township Boundary
- Section Line
- Impaired Wetland
- Impaired Lake
- Public Waters Inventory Wetland
- Public Waters Inventory Basin
- FEMA 100-year Floodplain
- Lake
- NWI Wetland
- MCBS Site of Biodiversity Significance
- Moderate
- High
- Outstanding
- State Game Refuge



Map Document: \\umspc-016-fis\arc\arc\MIN_DOC\1124043\map_docs\mxd\FEIS\AppendixX_11x17.mxd 11/30/2010 12:54:30 PM

Appendix C
Detailed Routes and Segments
 Fargo to St. Cloud - 345 kV Transmission Line
 Sheet: 61 of 102

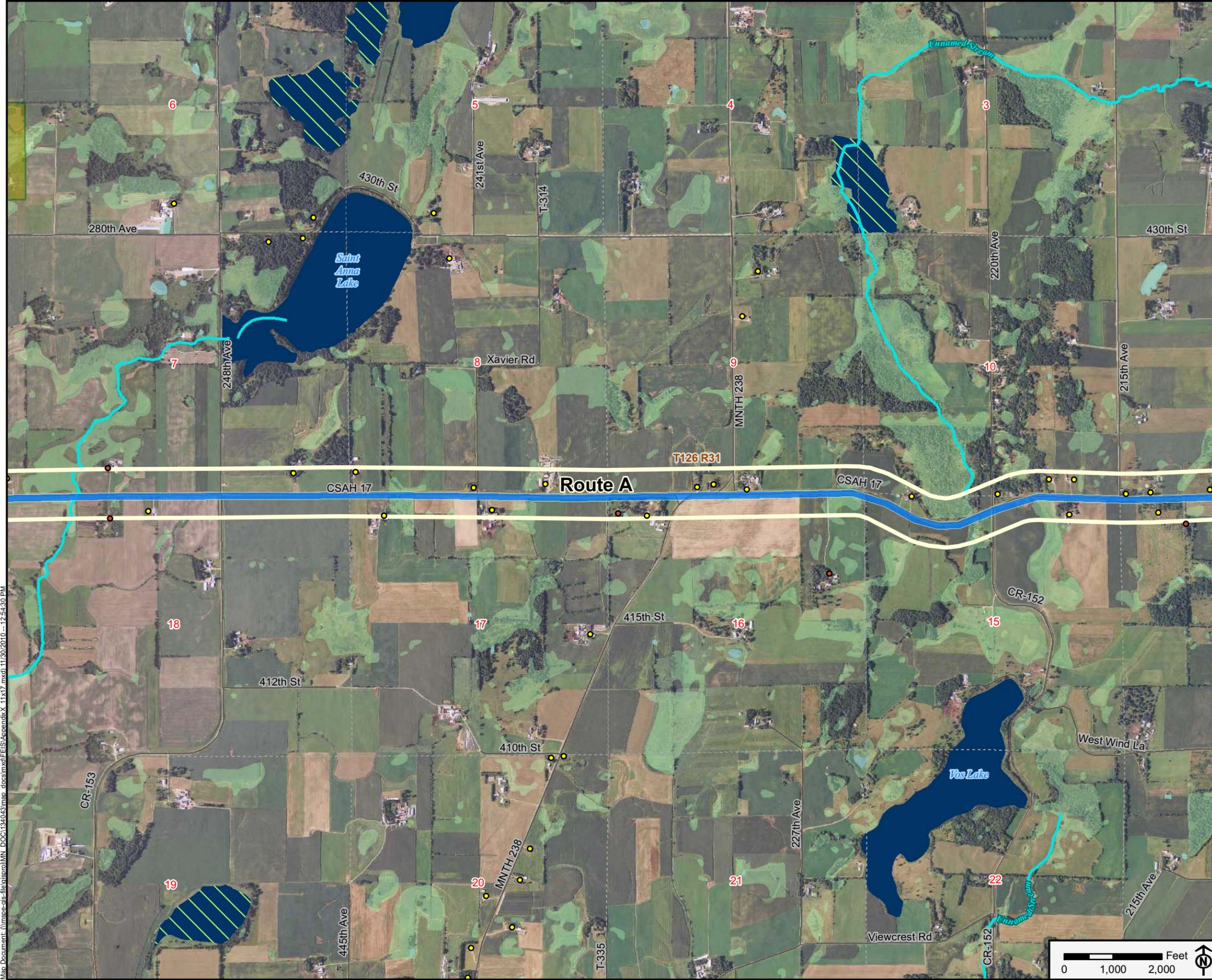
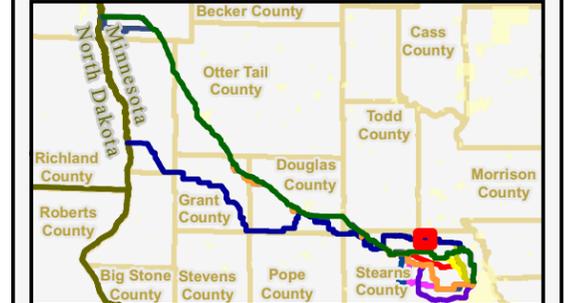


- Route Boundary
- Assumed ROW
- Preferred Route
- Route A
- Route B
- Route C
- Route D
- Route E
- Route F
- Route G
- Route H
- Option Segment
- Amended-Scope Segment
- Underground Segment
- FCC Antenna Structure
- Private-use Airport
- Public-use Airport
- State/County Trail
- Substation
- Residence
- NoRCA Identified Residence
- Pipeline
- 69kV AC Transmission Line
- 115kV AC Transmission Line
- 230kV AC Transmission Line
- 250kV DC Transmission Line
- 400kV DC Transmission Line
- Center Pivot Irrigation System
- MCBS ROW Prairie
- Trout Stream
- Impaired Stream
- Public Waters Inventory Stream
- Calcareous Fen
- RIM Easement
- DNR Native Plant Community
- Scientific and Natural Area
- Wildlife Management Area
- USFWS Easement
- Waterfowl Production Area
- Wild & Scenic River District
- MnDOT Scenic Easement
- MnDOT Scenic Byway
- Road
- Municipal Boundary
- Township Boundary
- Section Line
- Impaired Wetland
- Impaired Lake
- Public Waters Inventory Wetland
- Public Waters Inventory Basin
- FEMA 100-year Floodplain
- Lake
- NWI Wetland
- MCBS Site of Biodiversity Significance
- Moderate
- High
- Outstanding
- State Game Refuge



Map Document: \\umspc-016-fis-rsarc\MIN_DOC\1124043\map_docs\mxf\FIS\AppendixX_11x17.mxd 11/30/2010 - 12:54:30 PM

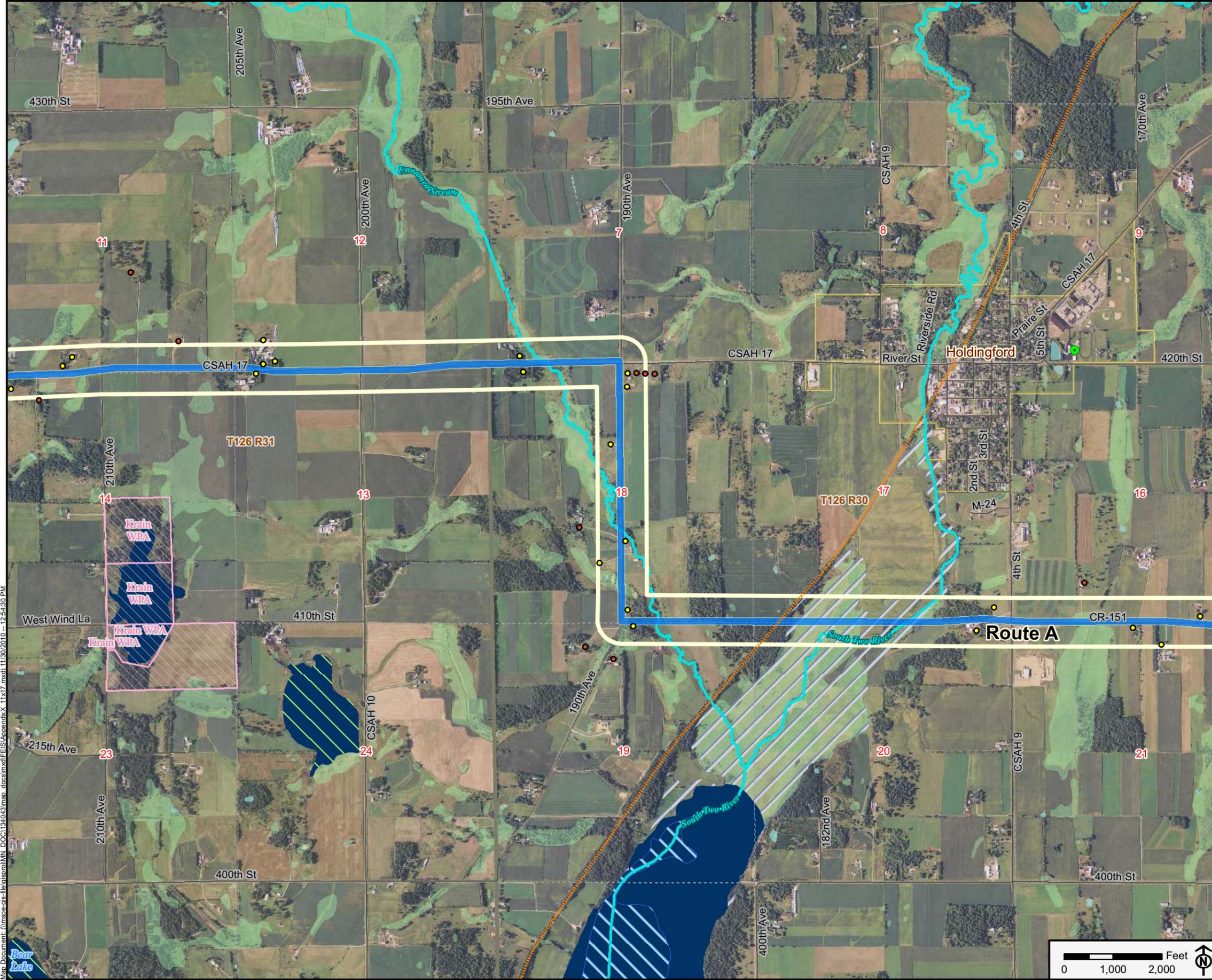
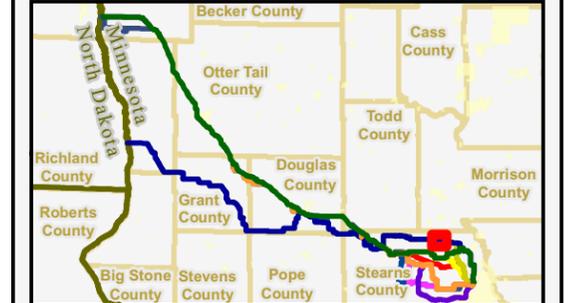
Appendix C
Detailed Routes and Segments
 Fargo to St. Cloud - 345 kV Transmission Line
 Sheet: 62 of 102



- Route Boundary
- Assumed ROW
- Preferred Route
- Route A
- Route B
- Route C
- Route D
- Route E
- Route F
- Route G
- Route H
- Option Segment
- Amended-Scope Segment
- Underground Segment
- FCC Antenna Structure
- Private-use Airport
- Public-use Airport
- State/County Trail
- Substation
- Residence
- NoRCA Identified Residence
- Pipeline
- 69kV AC Transmission Line
- 115kV AC Transmission Line
- 230kV AC Transmission Line
- 250kV DC Transmission Line
- 400kV DC Transmission Line
- Center Pivot Irrigation System
- MCBS ROW Prairie
- Trout Stream
- Impaired Stream
- Public Waters Inventory Stream
- Calcareous Fen
- RIM Easement
- DNR Native Plant Community
- Scientific and Natural Area
- Wildlife Management Area
- USFWS Easement
- Waterfowl Production Area
- Wild & Scenic River District
- MnDOT Scenic Easement
- MnDOT Scenic Byway
- Road
- Municipal Boundary
- Township Boundary
- Section Line
- Impaired Wetland
- Impaired Lake
- Public Waters Inventory Wetland
- Public Waters Inventory Basin
- FEMA 100-year Floodplain
- Lake
- NWI Wetland
- MCBS Site of Biodiversity Significance
- Moderate
- High
- Outstanding
- State Game Refuge

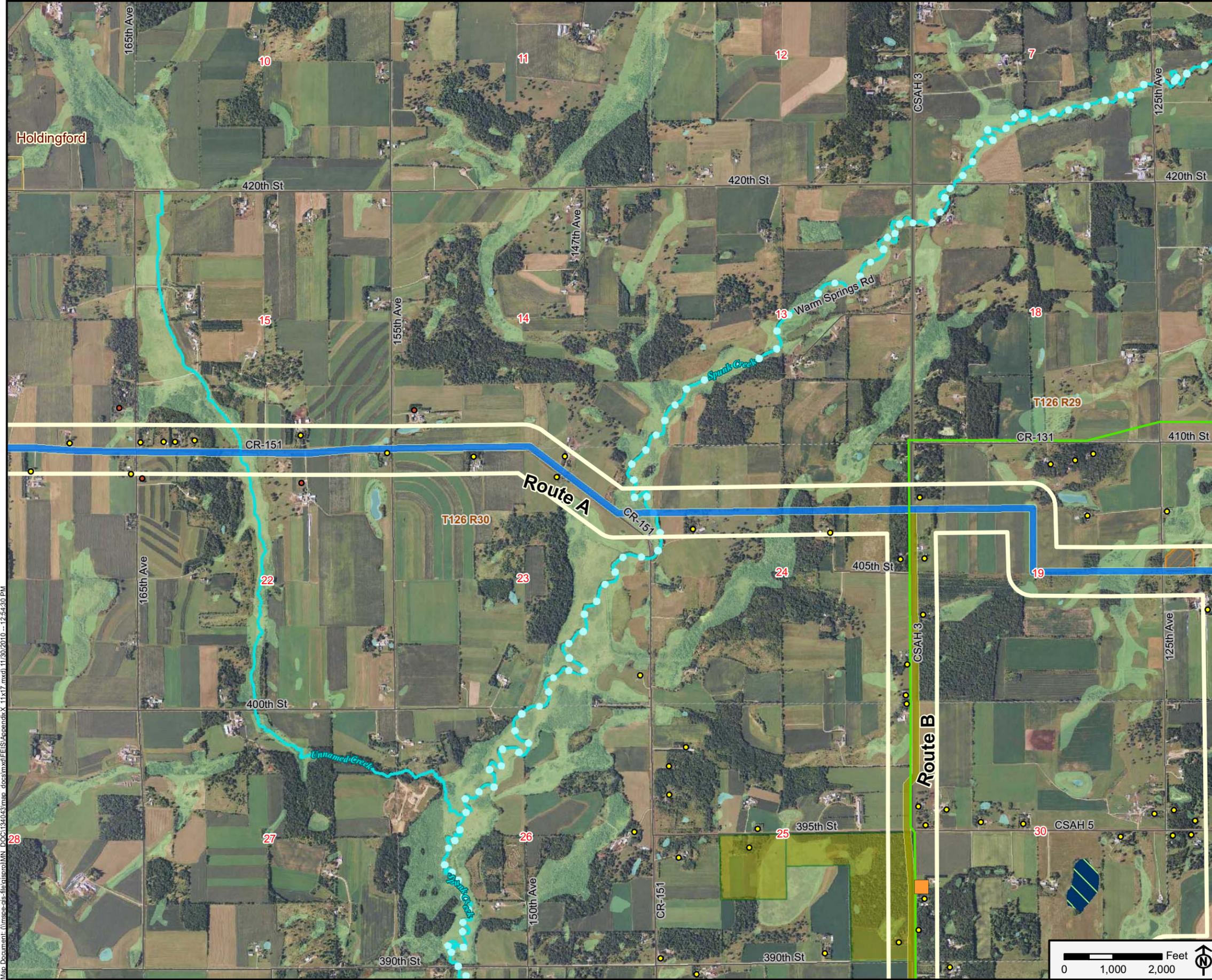
Map Document: \\mnpa-cis-fis\arcgis\GIS\AppendixC_11x17.mxd 11/30/2010 - 12:54:30 PM

Appendix C
Detailed Routes and Segments
 Fargo to St. Cloud - 345 kV Transmission Line
 Sheet: 63 of 102



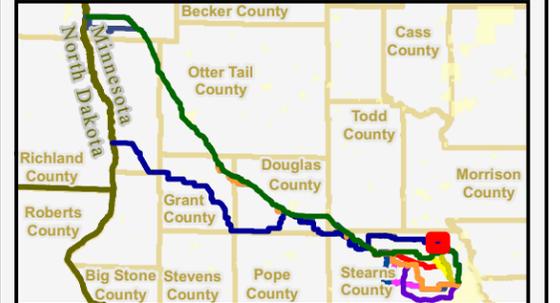
- Route Boundary
- Assumed ROW
- Preferred Route
- Route A
- Route B
- Route C
- Route D
- Route E
- Route F
- Route G
- Route H
- Option Segment
- Amended-Scope Segment
- Underground Segment
- FCC Antenna Structure
- Private-use Airport
- Public-use Airport
- State/County Trail
- Substation
- Residence
- NoRCA Identified Residence
- Pipeline
- 69kV AC Transmission Line
- 115kV AC Transmission Line
- 230kV AC Transmission Line
- 250kV DC Transmission Line
- 400kV DC Transmission Line
- Center Pivot Irrigation System
- MCBS ROW Prairie
- Trout Stream
- Impaired Stream
- Public Waters Inventory Stream
- Calcareous Fen
- RIM Easement
- DNR Native Plant Community
- Scientific and Natural Area
- Wildlife Management Area
- USFWS Easement
- Waterfowl Production Area
- Wild & Scenic River District
- MnDOT Scenic Easement
- MnDOT Scenic Byway
- Road
- Municipal Boundary
- Township Boundary
- Section Line
- Impaired Wetland
- Impaired Lake
- Public Waters Inventory Wetland
- Public Waters Inventory Basin
- FEMA 100-year Floodplain
- Lake
- NWI Wetland
- MCBS Site of Biodiversity Significance
- Moderate
- High
- Outstanding
- State Game Refuge

Map Document: \\umapc-ds-fis\arcgis\min_DOC\114043\map_docs\mxd\FIS\AppendixX_11x17.mxd 11/30/2010 - 12:54:30 PM

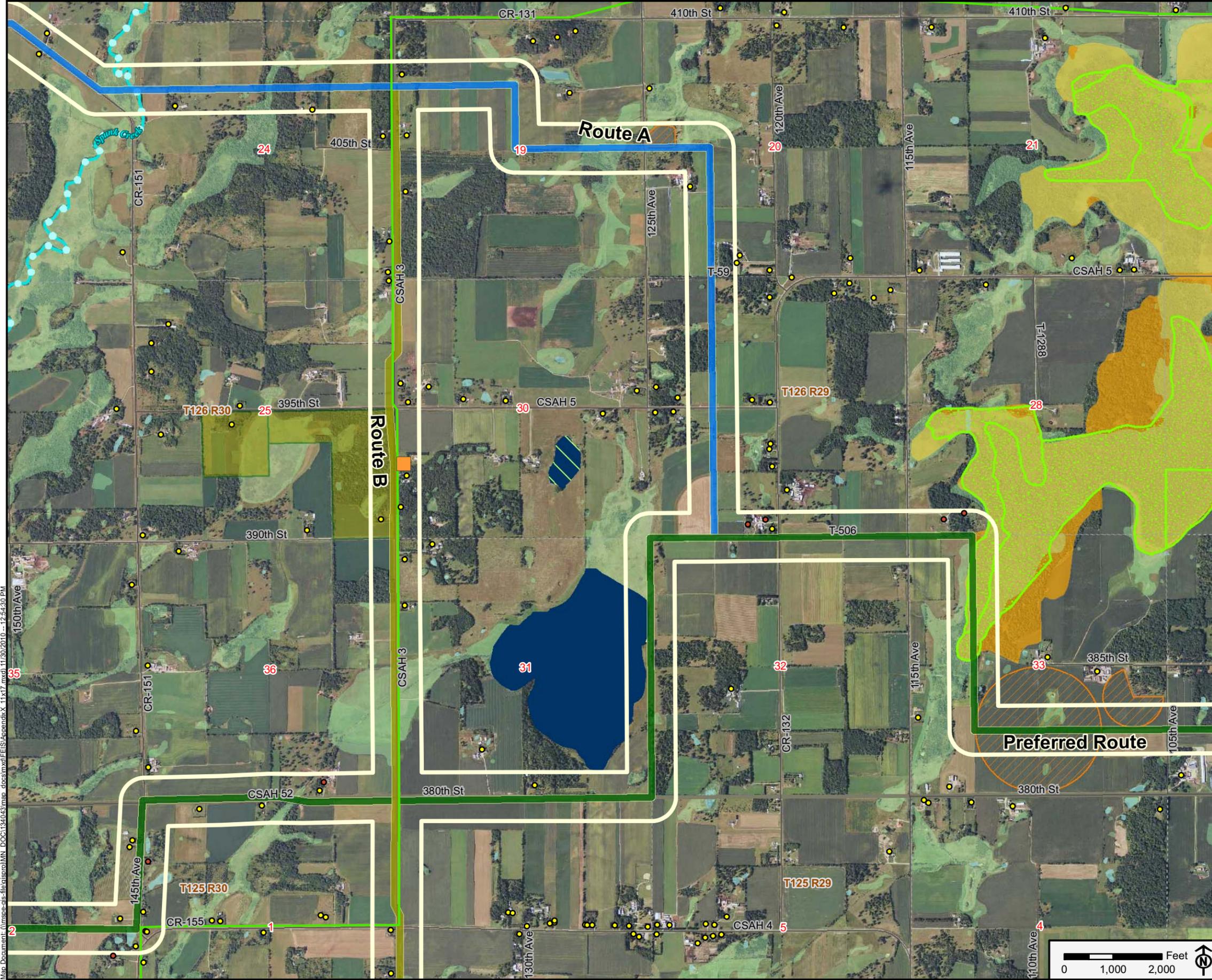


Map Document: \\umspc-01s-fis\ris\rcal\min_DOC\1124043\map_docs\mxd\FEIS\AppendixX_11x17.mxd 11/30/2010 - 12:54:30 PM

Appendix C
Detailed Routes and Segments
 Fargo to St. Cloud - 345 kV Transmission Line
 Sheet: 64 of 102



- Route Boundary
- Assumed ROW
- Preferred Route
- Route A
- Route B
- Route C
- Route D
- Route E
- Route F
- Route G
- Route H
- Option Segment
- Amended-Scope Segment
- Underground Segment
- FCC Antenna Structure
- Private-use Airport
- Public-use Airport
- State/County Trail
- Substation
- Residence
- NoRCA Identified Residence
- Pipeline
- 69kV AC Transmission Line
- 115kV AC Transmission Line
- 230kV AC Transmission Line
- 250kV DC Transmission Line
- 400kV DC Transmission Line
- Center Pivot Irrigation System
- MCBS ROW Prairie
- Trout Stream
- Impaired Stream
- Public Waters Inventory Stream
- Calcareous Fen
- RIM Easement
- DNR Native Plant Community
- Scientific and Natural Area
- Wildlife Management Area
- USFWS Easement
- Waterfowl Production Area
- Wild & Scenic River District
- MnDOT Scenic Easement
- MnDOT Scenic Byway
- Road
- Municipal Boundary
- Township Boundary
- Section Line
- Impaired Wetland
- Impaired Lake
- Public Waters Inventory Wetland
- Public Waters Inventory Basin
- FEMA 100-year Floodplain
- Lake
- NWI Wetland
- MCBS Site of Biodiversity Significance
- Moderate
- High
- Outstanding
- State Game Refuge



Map Document: \\mspace-ds-fis\resources\GIS\AppendixC_11x17.mxd, 11/20/2010, 12:54:30 PM

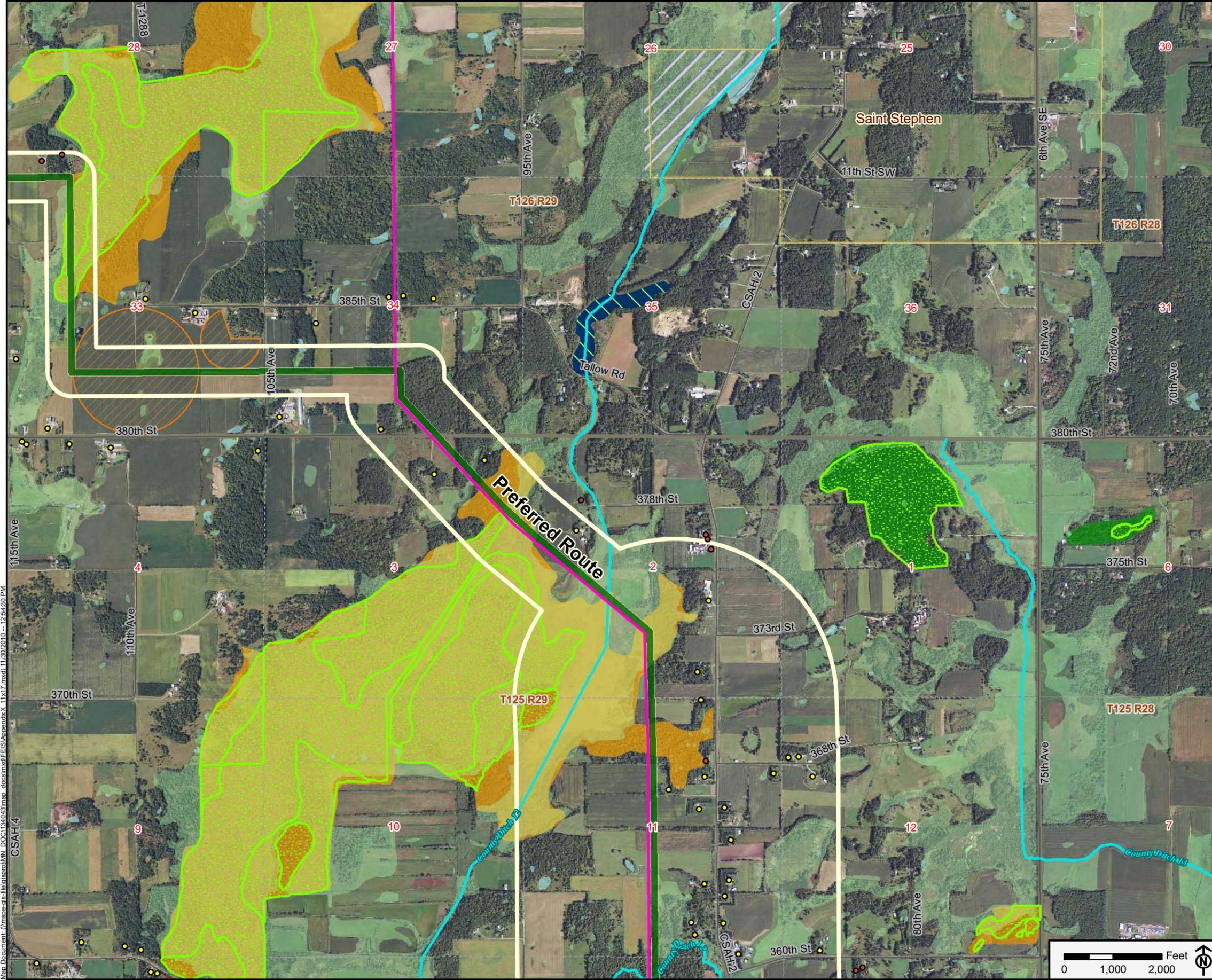
Appendix C
Detailed Routes and Segments
 Fargo to St. Cloud - 345 kV Transmission Line
 Sheet: 65 of 102



- Route Boundary
- Assumed ROW
- Preferred Route
- Route A
- Route B
- Route C
- Route D
- Route E
- Route F
- Route G
- Route H
- Option Segment
- Amended-Scope Segment
- Underground Segment
- FCC Antenna Structure
- Private-use Airport
- Public-use Airport
- State/County Trail
- Substation
- Residence
- NoRCA Identified Residence
- Pipeline
- 69kV AC Transmission Line
- 115kV AC Transmission Line
- 230kV AC Transmission Line
- 250kV DC Transmission Line
- 400kV DC Transmission Line
- Center Pivot Irrigation System
- MCBS ROW Prairie
- Trout Stream
- Impaired Stream
- Public Waters Inventory Stream
- Calcareous Fen
- RIM Easement
- DNR Native Plant Community
- Scientific and Natural Area
- Wildlife Management Area
- USFWS Easement
- Waterfowl Production Area
- Wild & Scenic River District
- MnDOT Scenic Easement
- MnDOT Scenic Byway
- Road
- Municipal Boundary
- Township Boundary
- Section Line
- Impaired Wetland
- Impaired Lake
- Public Waters Inventory Wetland
- Public Waters Inventory Basin
- FEMA 100-year Floodplain
- Lake
- NWI Wetland
- MCBS Site of Biodiversity Significance
- Moderate
- High
- Outstanding
- State Game Refuge



Appendix C
Detailed Routes and Segments
 Fargo to St. Cloud - 345 kV Transmission Line
 Sheet: 66 of 102

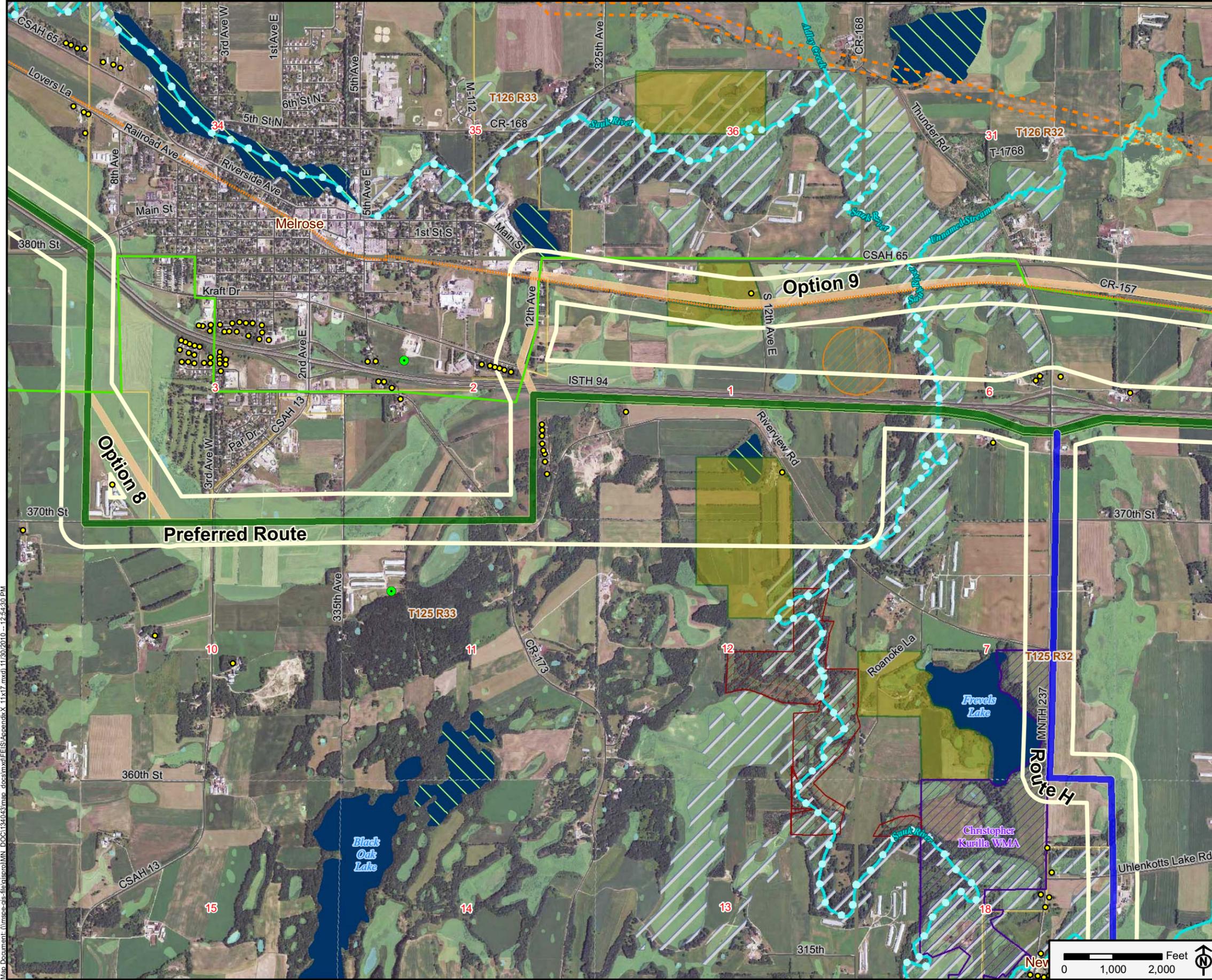
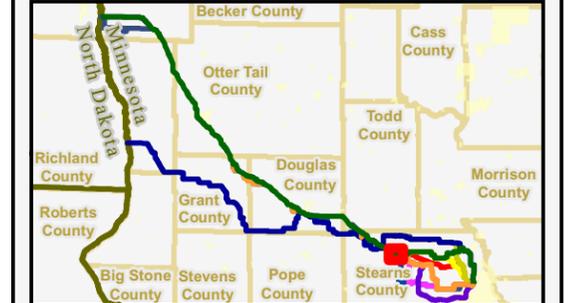


- Route Boundary
- Assumed ROW
- Preferred Route
- Route A
- Route B
- Route C
- Route D
- Route E
- Route F
- Route G
- Route H
- Option Segment
- Amended-Scope Segment
- Underground Segment
- FCC Antenna Structure
- Private-use Airport
- Public-use Airport
- State/County Trail
- Substation
- Residence
- NoRCA Identified Residence
- Pipeline
- 69kV AC Transmission Line
- 115kV AC Transmission Line
- 230kV AC Transmission Line
- 250kV DC Transmission Line
- 400kV DC Transmission Line
- Center Pivot Irrigation System
- MCBS ROW Prairie
- Trout Stream
- Impaired Stream
- Public Waters Inventory Stream
- Calcareous Fen
- RIM Easement
- DNR Native Plant Community
- Scientific and Natural Area
- Wildlife Management Area
- USFWS Easement
- Waterfowl Production Area
- Wild & Scenic River District
- MnDOT Scenic Easement
- MnDOT Scenic Byway
- Road
- Municipal Boundary
- Township Boundary
- Section Line
- Impaired Wetland
- Impaired Lake
- Public Waters Inventory Wetland
- Public Waters Inventory Basin
- FEMA 100-year Floodplain
- Lake
- NWI Wetland
- MCBS Site of Biodiversity Significance
- Moderate
- High
- Outstanding
- State Game Refuge



Map Document: \\umspc-01s-filer\arc\m\min_DOC\1314043\map_docs\mxd\FEIS\AppendixX_11x17.mxd, 11/30/2010, 12:54:30 PM

Appendix C
Detailed Routes and Segments
 Fargo to St. Cloud - 345 kV Transmission Line
 Sheet: 68 of 102

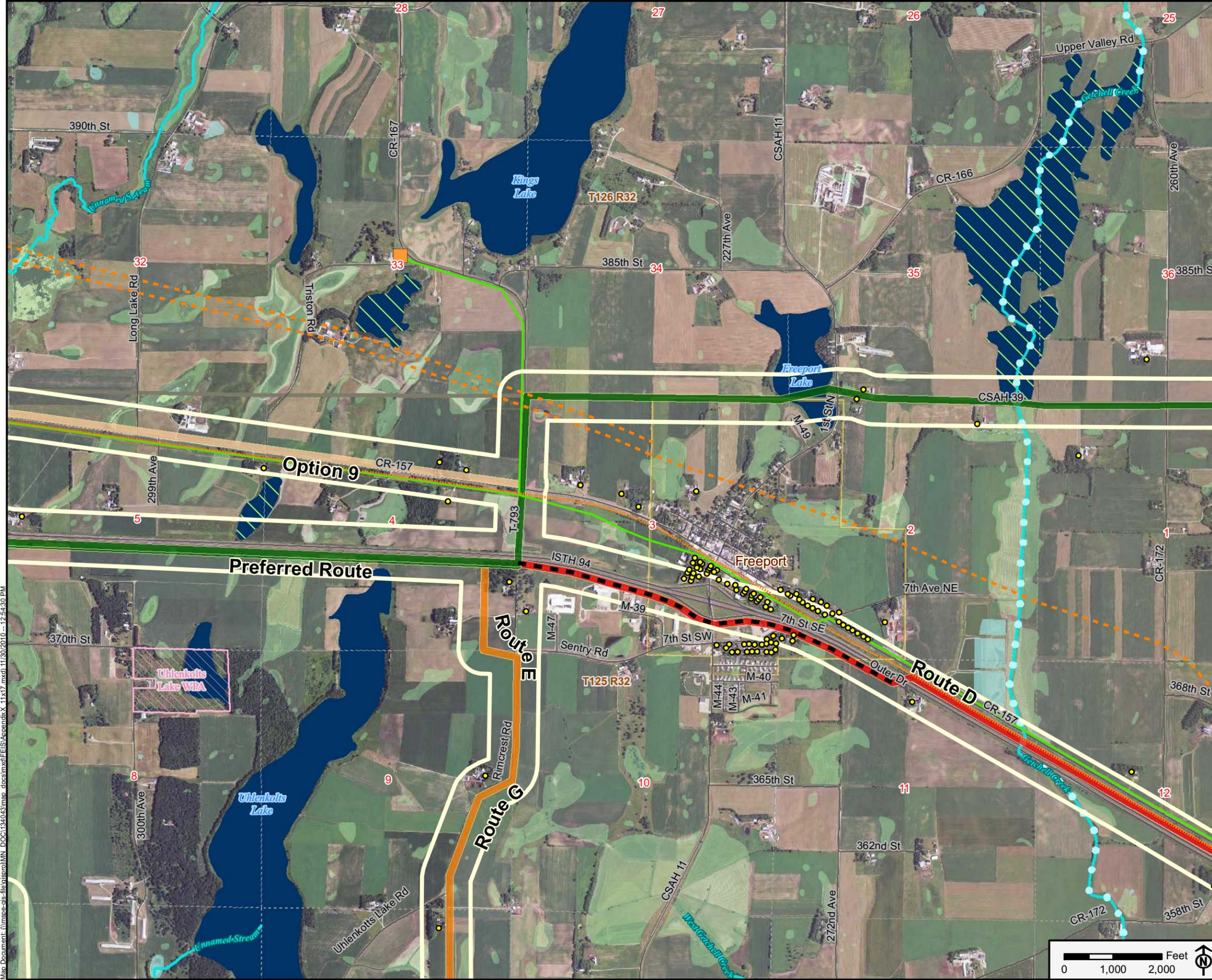
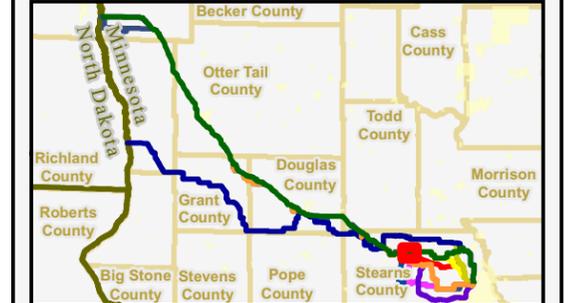


- Route Boundary
- Assumed ROW
- Preferred Route
- Route A
- Route B
- Route C
- Route D
- Route E
- Route F
- Route G
- Route H
- Option Segment
- Amended-Scope Segment
- Underground Segment
- FCC Antenna Structure
- Private-use Airport
- Public-use Airport
- State/County Trail
- Substation
- Residence
- NoRCA Identified Residence
- Pipeline
- 69kV AC Transmission Line
- 115kV AC Transmission Line
- 230kV AC Transmission Line
- 250kV DC Transmission Line
- 400kV DC Transmission Line
- Center Pivot Irrigation System
- MCBS ROW Prairie
- Trout Stream
- Impaired Stream
- Public Waters Inventory Stream
- Calcareous Fen
- RIM Easement
- DNR Native Plant Community
- Scientific and Natural Area
- Wildlife Management Area
- USFWS Easement
- Waterfowl Production Area
- Wild & Scenic River District
- MnDOT Scenic Easement
- MnDOT Scenic Byway
- Road
- Municipal Boundary
- Township Boundary
- Section Line
- Impaired Wetland
- Impaired Lake
- Public Waters Inventory Wetland
- Public Waters Inventory Basin
- FEMA 100-year Floodplain
- Lake
- NWI Wetland
- MCBS Site of Biodiversity Significance
- Moderate
- High
- Outstanding
- State Game Refuge

Map Document: \\umspc-01s-filer\arc\m\m\min\DOCI1314043\map_docs\mxd\FEIS\AppendixX_11x17.mxd 11/30/2010 - 12:54:30 PM



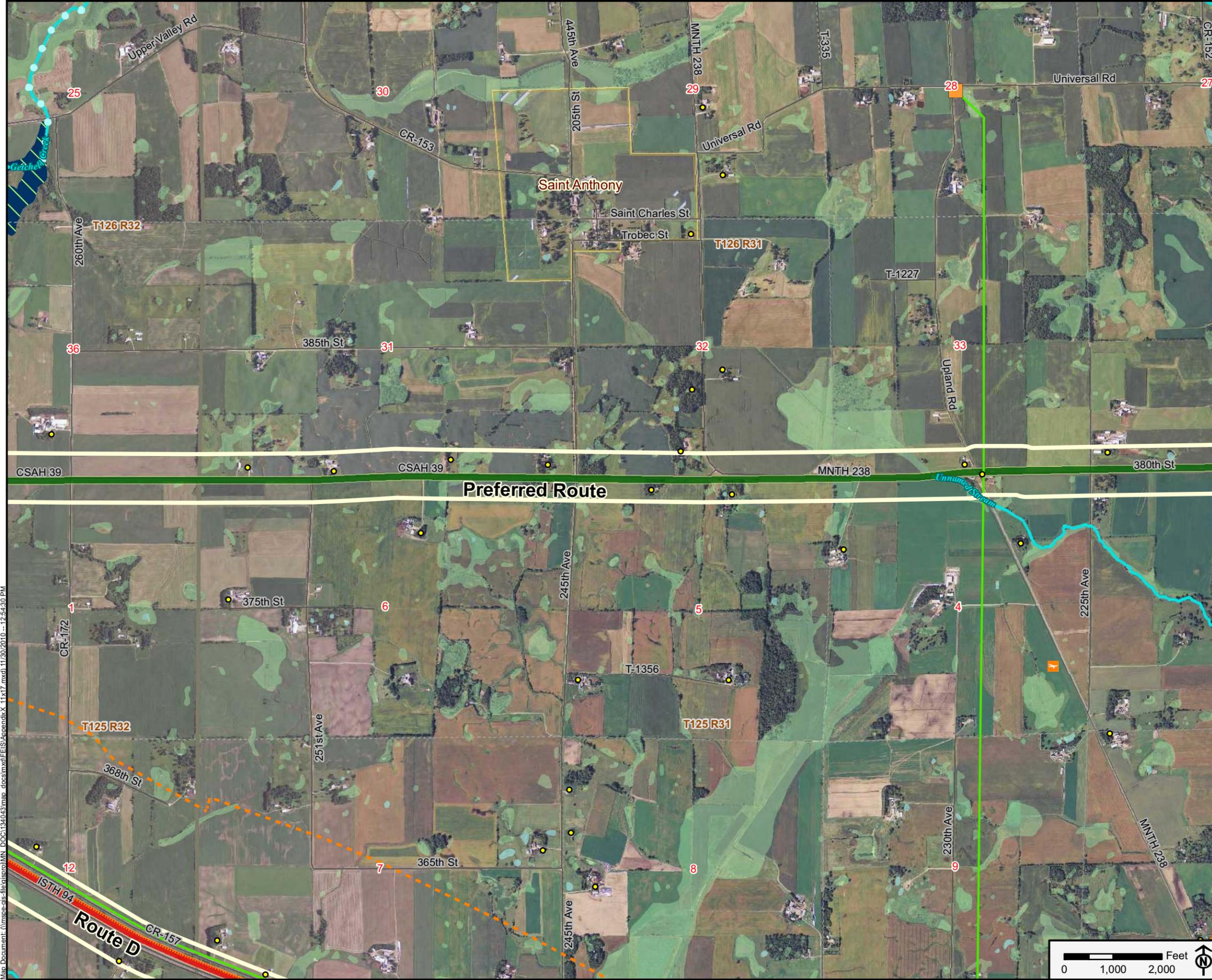
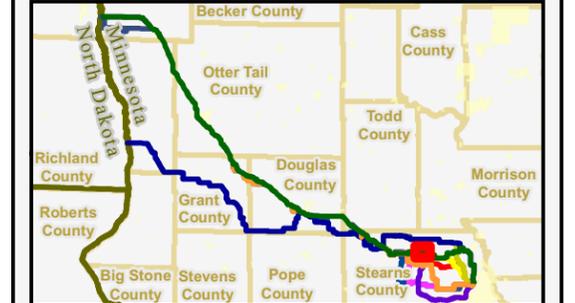
Appendix C
Detailed Routes and Segments
 Fargo to St. Cloud - 345 kV Transmission Line
 Sheet: 69 of 102



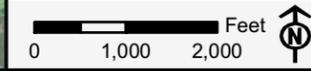
- Route Boundary
- Assumed ROW
- Preferred Route
- Route A
- Route B
- Route C
- Route D
- Route E
- Route F
- Route G
- Route H
- Option Segment
- Amended-Scope Segment
- Underground Segment
- FCC Antenna Structure
- Private-use Airport
- Public-use Airport
- State/County Trail
- Substation
- Residence
- NoRCA Identified Residence
- Pipeline
- 69kV AC Transmission Line
- 115kV AC Transmission Line
- 230kV AC Transmission Line
- 250kV DC Transmission Line
- 400kV DC Transmission Line
- Center Pivot Irrigation System
- MCBS ROW Prairie
- Trout Stream
- Impaired Stream
- Public Waters Inventory Stream
- Calcareous Fen
- RIM Easement
- DNR Native Plant Community
- Scientific and Natural Area
- Wildlife Management Area
- USFWS Easement
- Waterfowl Production Area
- Wild & Scenic River District
- MnDOT Scenic Easement
- MnDOT Scenic Byway
- Road
- Municipal Boundary
- Township Boundary
- Section Line
- Impaired Wetland
- Impaired Lake
- Public Waters Inventory Wetland
- Public Waters Inventory Basin
- FEMA 100-year Floodplain
- Lake
- NWI Wetland
- MCBS Site of Biodiversity Significance
- Moderate
- High
- Outstanding
- State Game Refuge

Map Document: \\umspc-ds-fis\arc\arc\MIN_DOC\114043\map_docs\map\FEIS\AppendixX_11x17.mxd 11/30/2010 - 12:54:30 PM

Appendix C
Detailed Routes and Segments
 Fargo to St. Cloud - 345 kV Transmission Line
 Sheet: 70 of 102

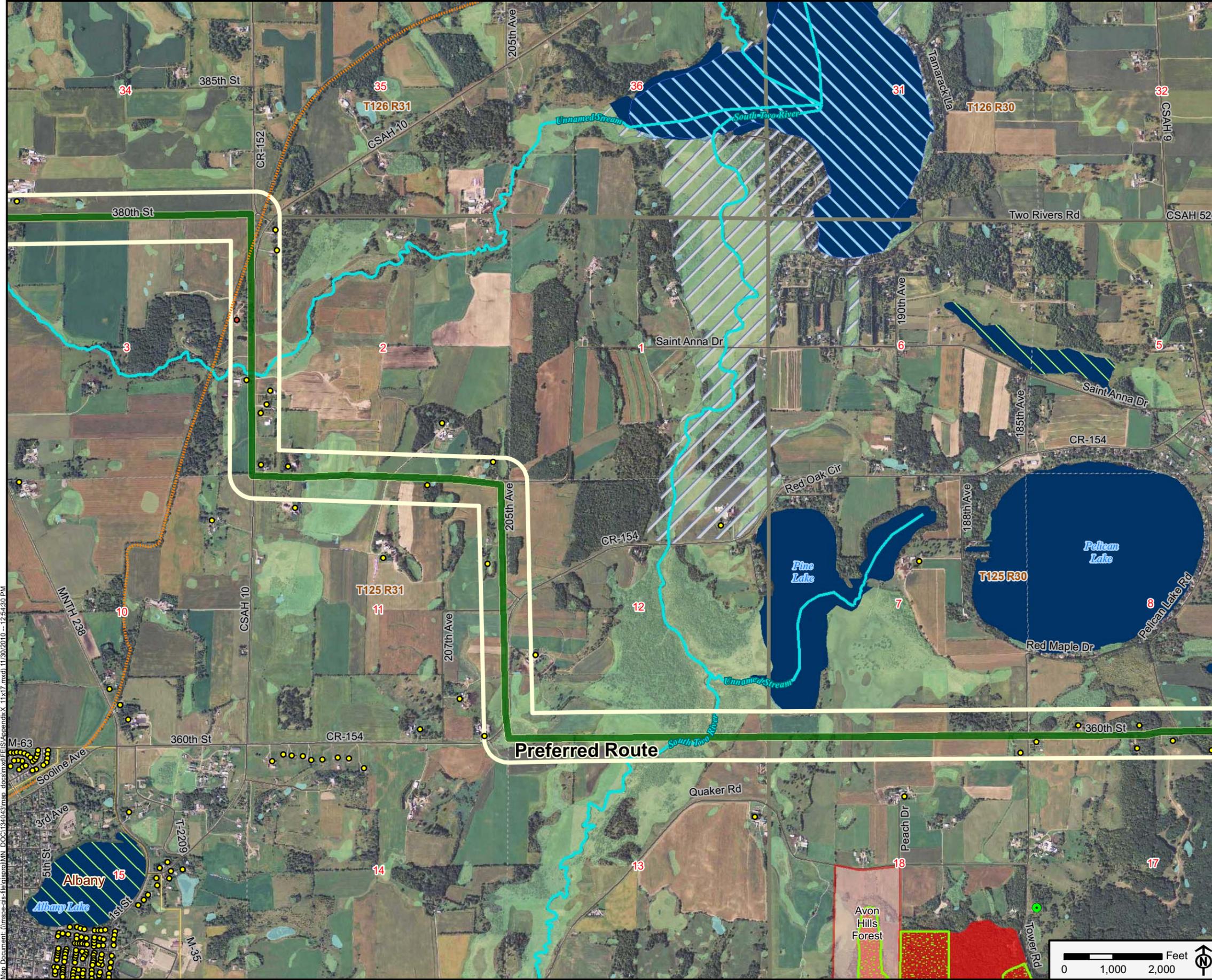
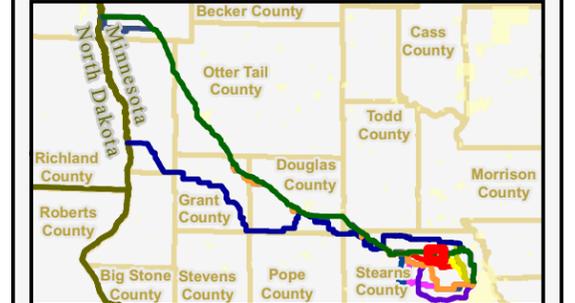


- Route Boundary
- Assumed ROW
- Preferred Route
- Route A
- Route B
- Route C
- Route D
- Route E
- Route F
- Route G
- Route H
- Option Segment
- Amended-Scope Segment
- Underground Segment
- FCC Antenna Structure
- Private-use Airport
- Public-use Airport
- State/County Trail
- Substation
- Residence
- NoRCA Identified Residence
- Pipeline
- 69kV AC Transmission Line
- 115kV AC Transmission Line
- 230kV AC Transmission Line
- 250kV DC Transmission Line
- 400kV DC Transmission Line
- Center Pivot Irrigation System
- MCBS ROW Prairie
- Trout Stream
- Impaired Stream
- Public Waters Inventory Stream
- Calcareous Fen
- RIM Easement
- DNR Native Plant Community
- Scientific and Natural Area
- Wildlife Management Area
- USFWS Easement
- Waterfowl Production Area
- Wild & Scenic River District
- MnDOT Scenic Easement
- MnDOT Scenic Byway
- Road
- Municipal Boundary
- Township Boundary
- Section Line
- Impaired Wetland
- Impaired Lake
- Public Waters Inventory Wetland
- Public Waters Inventory Basin
- FEMA 100-year Floodplain
- Lake
- NWI Wetland
- MCBS Site of Biodiversity Significance
- Moderate
- High
- Outstanding
- State Game Refuge



Map Document: \\umspc-016-fis\arcmap\MN_DOC\114043\map_docs\mxd\FIS\AppendixX_11x17.mxd 11/30/2010 - 12:54:30 PM

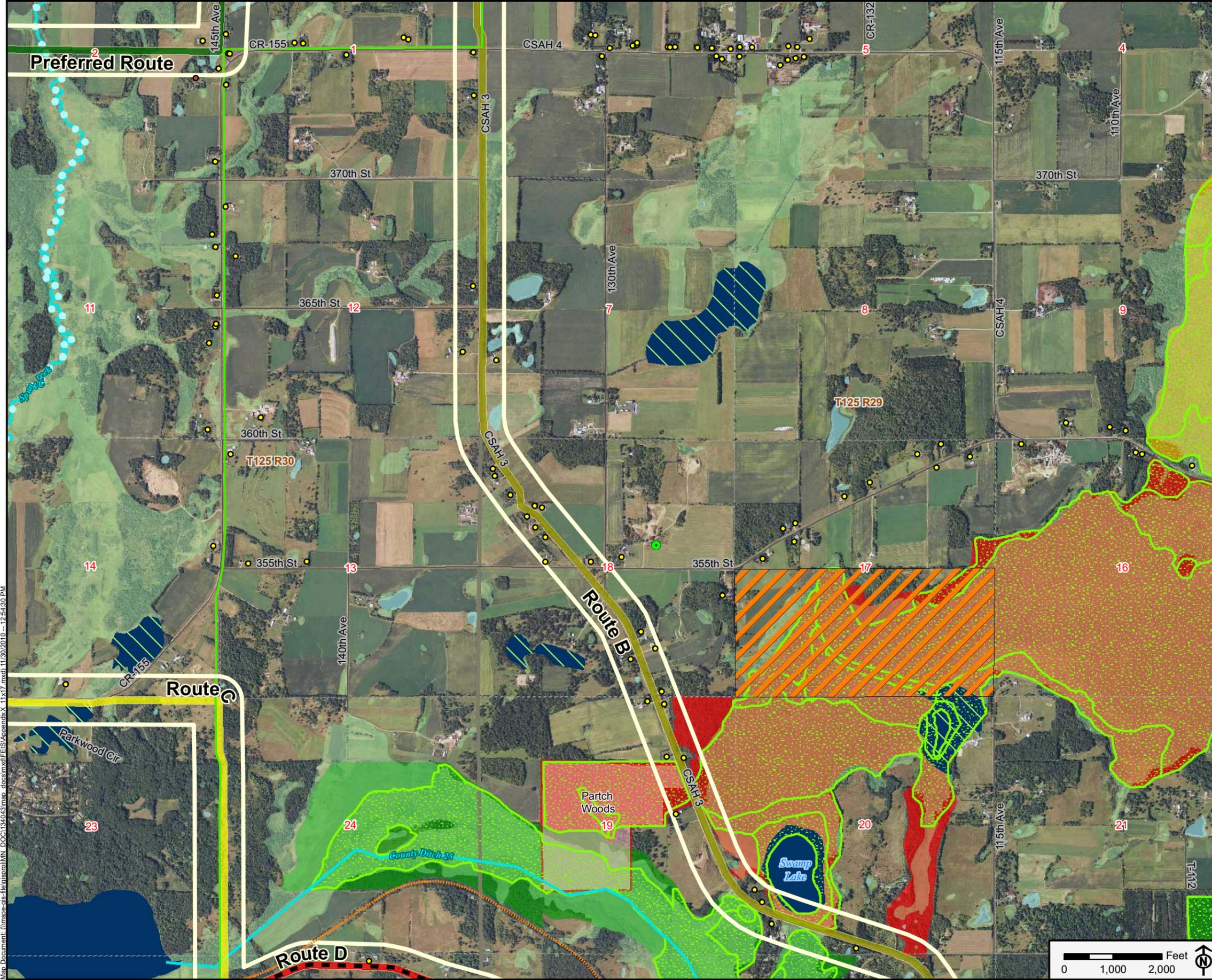
Appendix C
Detailed Routes and Segments
 Fargo to St. Cloud - 345 kV Transmission Line
 Sheet: 71 of 102



- Route Boundary
- Assumed ROW
- Preferred Route
- Route A
- Route B
- Route C
- Route D
- Route E
- Route F
- Route G
- Route H
- Option Segment
- Amended-Scope Segment
- Underground Segment
- FCC Antenna Structure
- Private-use Airport
- Public-use Airport
- State/County Trail
- Substation
- Residence
- NoRCA Identified Residence
- Pipeline
- 69kV AC Transmission Line
- 115kV AC Transmission Line
- 230kV AC Transmission Line
- 250kV DC Transmission Line
- 400kV DC Transmission Line
- Center Pivot Irrigation System
- MCBS ROW Prairie
- Trout Stream
- Impaired Stream
- Public Waters Inventory Stream
- Calcareous Fen
- RIM Easement
- DNR Native Plant Community
- Scientific and Natural Area
- Wildlife Management Area
- USFWS Easement
- Waterfowl Production Area
- Wild & Scenic River District
- MnDOT Scenic Easement
- MnDOT Scenic Byway
- Road
- Municipal Boundary
- Township Boundary
- Section Line
- Impaired Wetland
- Impaired Lake
- Public Waters Inventory Wetland
- Public Waters Inventory Basin
- FEMA 100-year Floodplain
- Lake
- NWI Wetland
- MCBS Site of Biodiversity Significance
- Moderate
- High
- Outstanding
- State Game Refuge



Map Document: \\umapc-ds-fis\arcgis\mxd\1147.mxd 11/30/2010 - 12:54:30 PM



Appendix C
Detailed Routes and Segments
 Fargo to St. Cloud - 345 kV Transmission Line
 Sheet: 73 of 102



- Route Boundary
- Assumed ROW
- Preferred Route
- Route A
- Route B
- Route C
- Route D
- Route E
- Route F
- Route G
- Route H
- Option Segment
- Amended-Scope Segment
- Underground Segment
- FCC Antenna Structure
- Private-use Airport
- Public-use Airport
- State/County Trail
- Substation
- Residence
- NoRCA Identified Residence
- Pipeline
- 69kV AC Transmission Line
- 115kV AC Transmission Line
- 230kV AC Transmission Line
- 250kV DC Transmission Line
- 400kV DC Transmission Line
- Center Pivot Irrigation System
- MCBS ROW Prairie
- Trout Stream
- Impaired Stream
- Public Waters Inventory Stream
- Calcareous Fen
- RIM Easement
- DNR Native Plant Community
- Scientific and Natural Area
- Wildlife Management Area
- USFWS Easement
- Waterfowl Production Area
- Wild & Scenic River District
- MnDOT Scenic Easement
- MnDOT Scenic Byway
- Road
- Municipal Boundary
- Township Boundary
- Section Line
- Impaired Wetland
- Impaired Lake
- Public Waters Inventory Wetland
- Public Waters Inventory Basin
- FEMA 100-year Floodplain
- Lake
- NWI Wetland
- MCBS Site of Biodiversity Significance
- Moderate
- High
- Outstanding
- State Game Refuge

Map Document: \\umspc-ds-fis\gis\arcgis\min_doc\mxd\FEIS\AppendixX_11x17.mxd, 11/30/2010, 12:54:30 PM