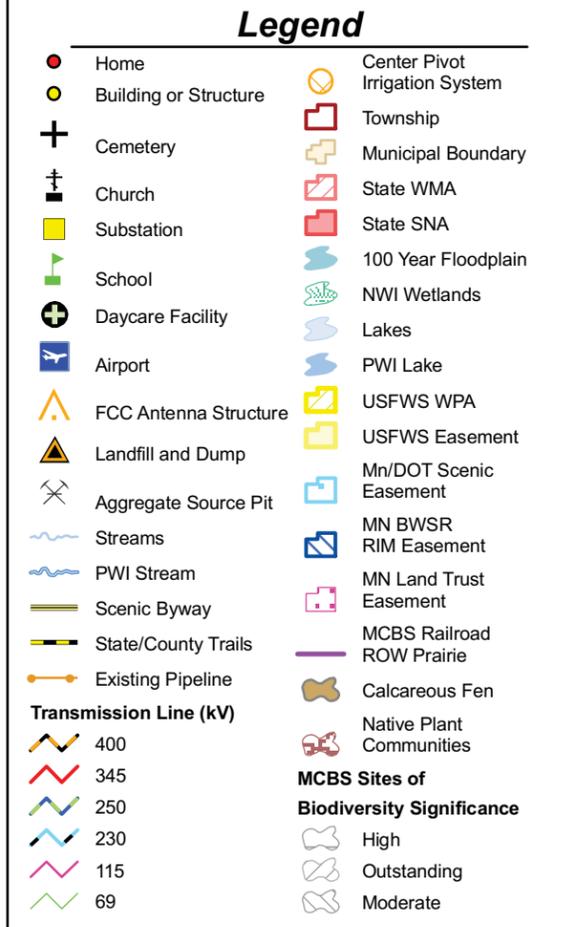
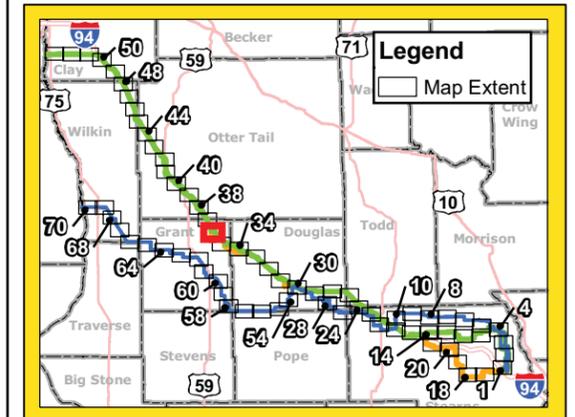
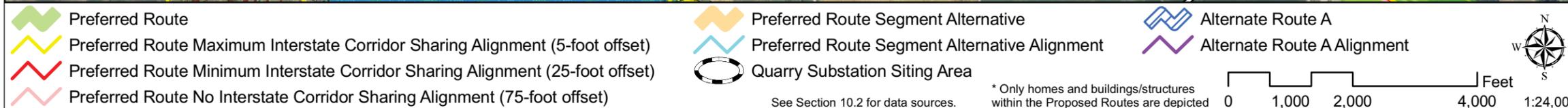
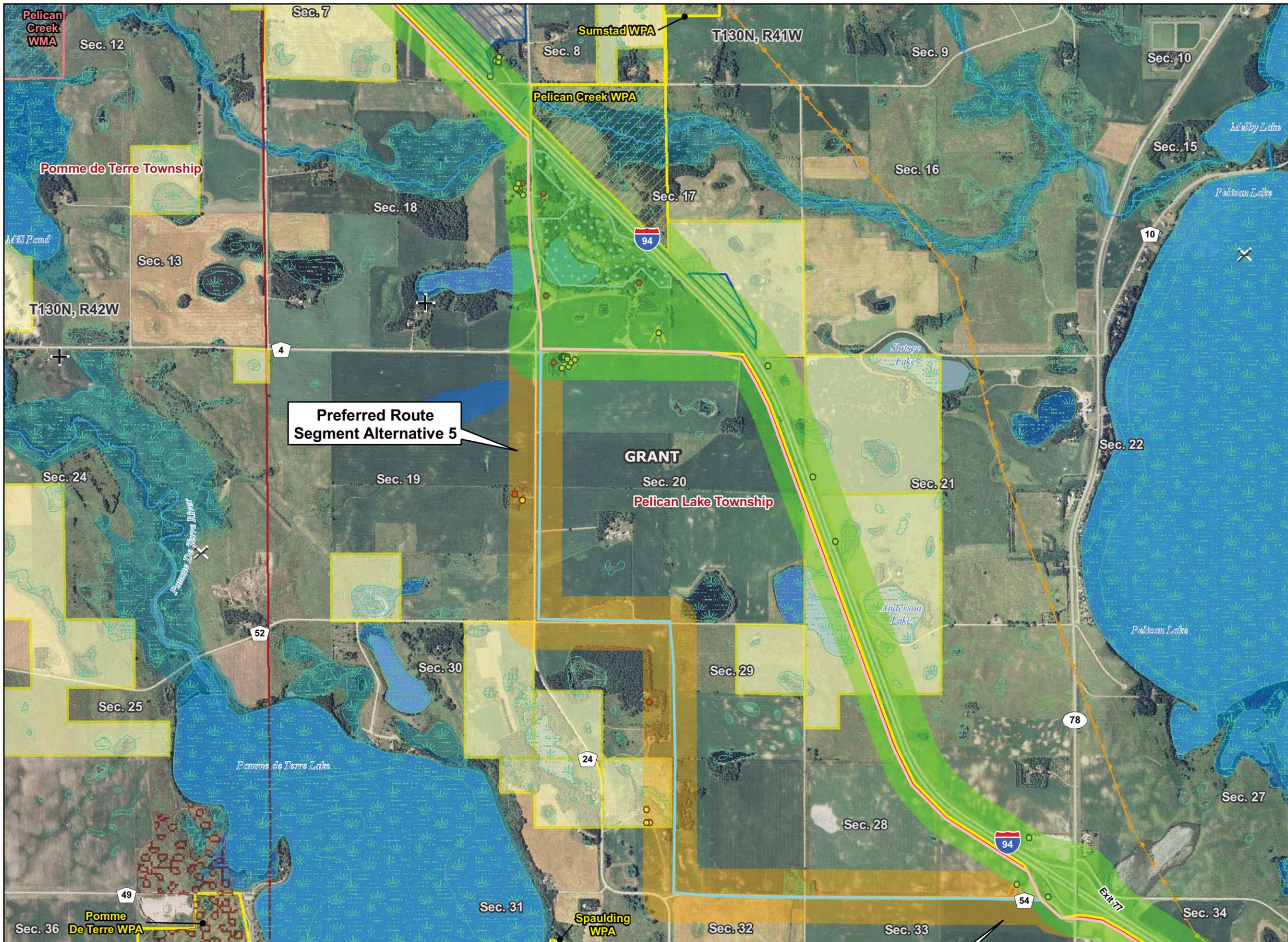
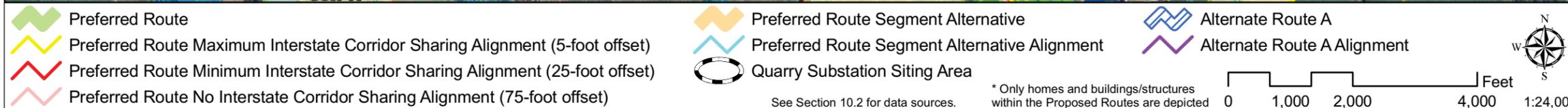
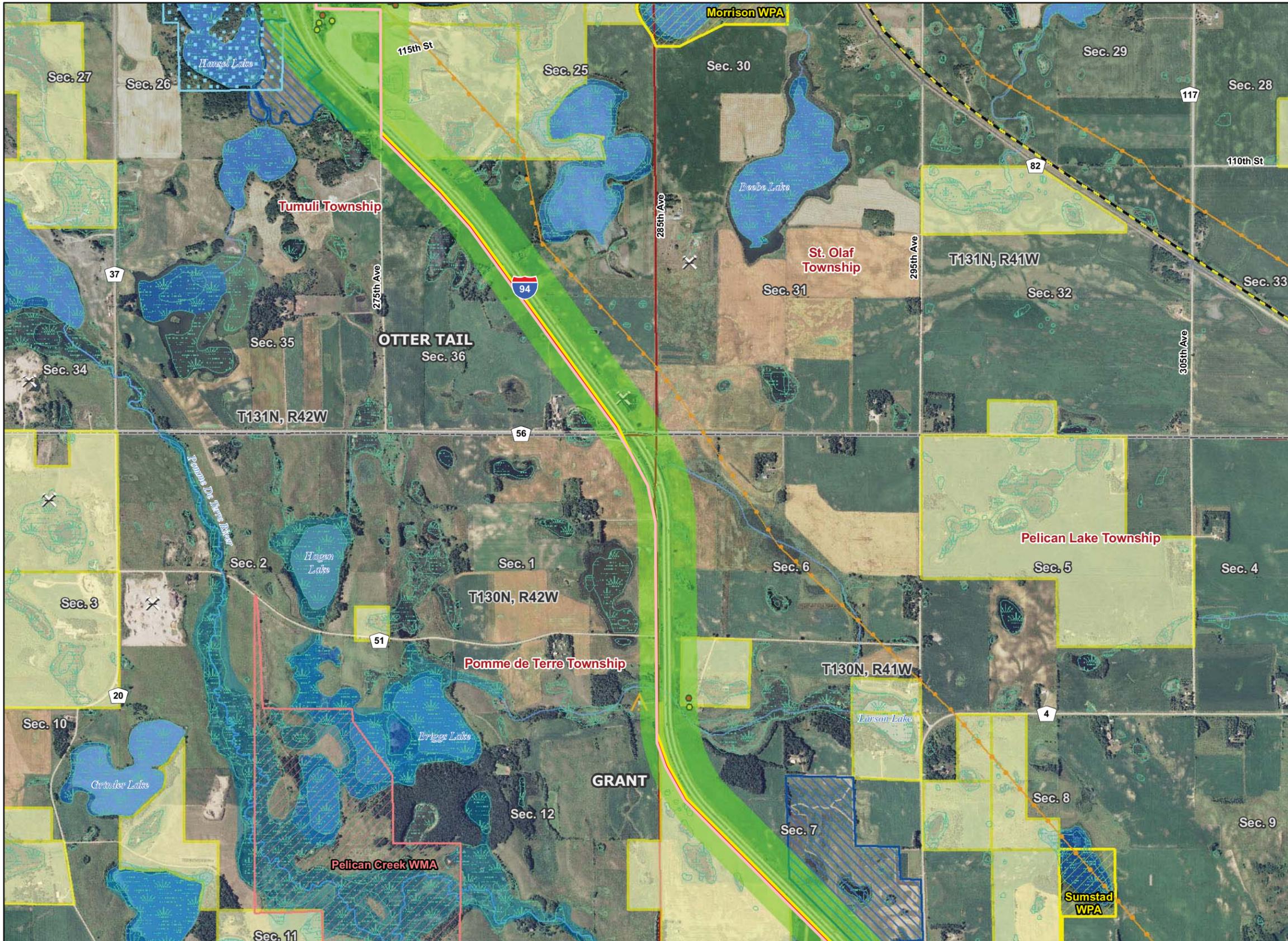


- Legend**
- Home
 - Building or Structure
 - Cemetery
 - Church
 - Substation
 - School
 - Daycare Facility
 - Airport
 - FCC Antenna Structure
 - Landfill and Dump
 - Aggregate Source Pit
 - Streams
 - PWI Stream
 - Scenic Byway
 - State/County Trails
 - Existing Pipeline
 - Center Pivot Irrigation System
 - Township
 - Municipal Boundary
 - State WMA
 - State SNA
 - 100 Year Floodplain
 - NWI Wetlands
 - Lakes
 - PWI Lake
 - USFWS WPA
 - USFWS Easement
 - Mn/DOT Scenic Easement
 - MN BWSR RIM Easement
 - MN Land Trust Easement
 - MCBS Railroad ROW Prairie
 - Calcareous Fen
 - Native Plant Communities
 - MCBS Sites of Biodiversity Significance
 - High
 - Outstanding
 - Moderate
- Transmission Line (kV)**
- 400
 - 345
 - 250
 - 230
 - 115
 - 69

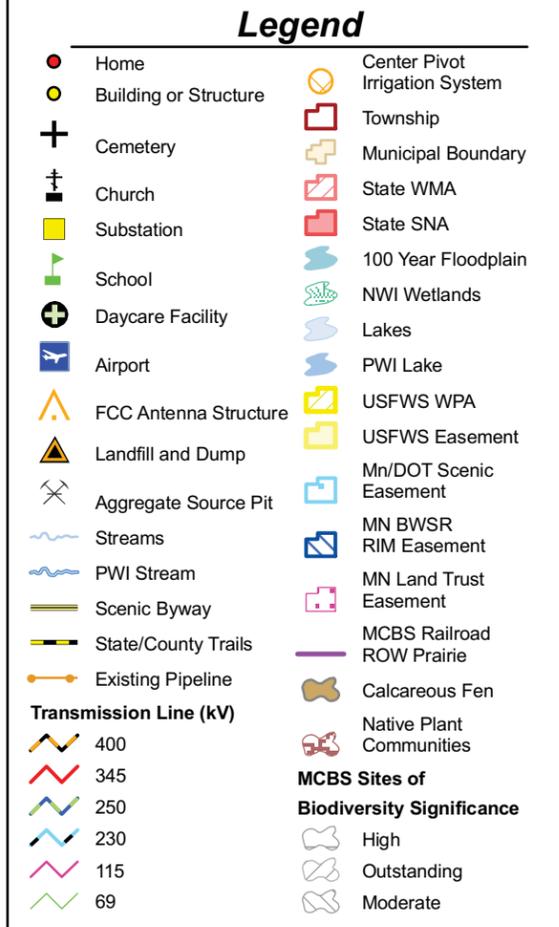
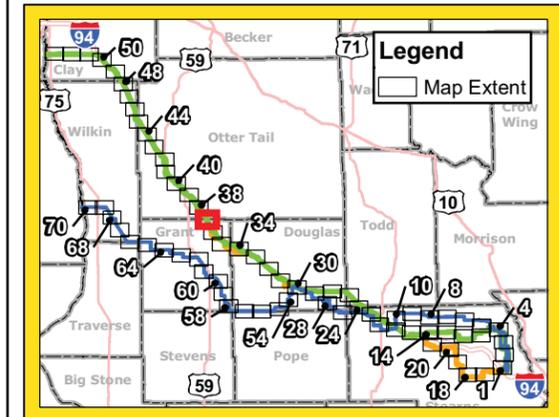
- Preferred Route
 - Preferred Route Maximum Interstate Corridor Sharing Alignment (5-foot offset)
 - Preferred Route Minimum Interstate Corridor Sharing Alignment (25-foot offset)
 - Preferred Route No Interstate Corridor Sharing Alignment (75-foot offset)
 - Preferred Route Segment Alternative
 - Preferred Route Segment Alternative Alignment
 - Quarry Substation Siting Area
 - Alternate Route A
 - Alternate Route A Alignment
- * Only homes and buildings/structures within the Proposed Routes are depicted
- See Section 10.2 for data sources.
- 0 1,000 2,000 4,000 Feet
- 1:24,000





CapX2020

Delivering electricity you can rely on



Appendix B.1

Detailed Aerial Route Maps

Route Permit

Fargo to St. Cloud

345 kV Transmission Line

FILING DATE: 10/1/09

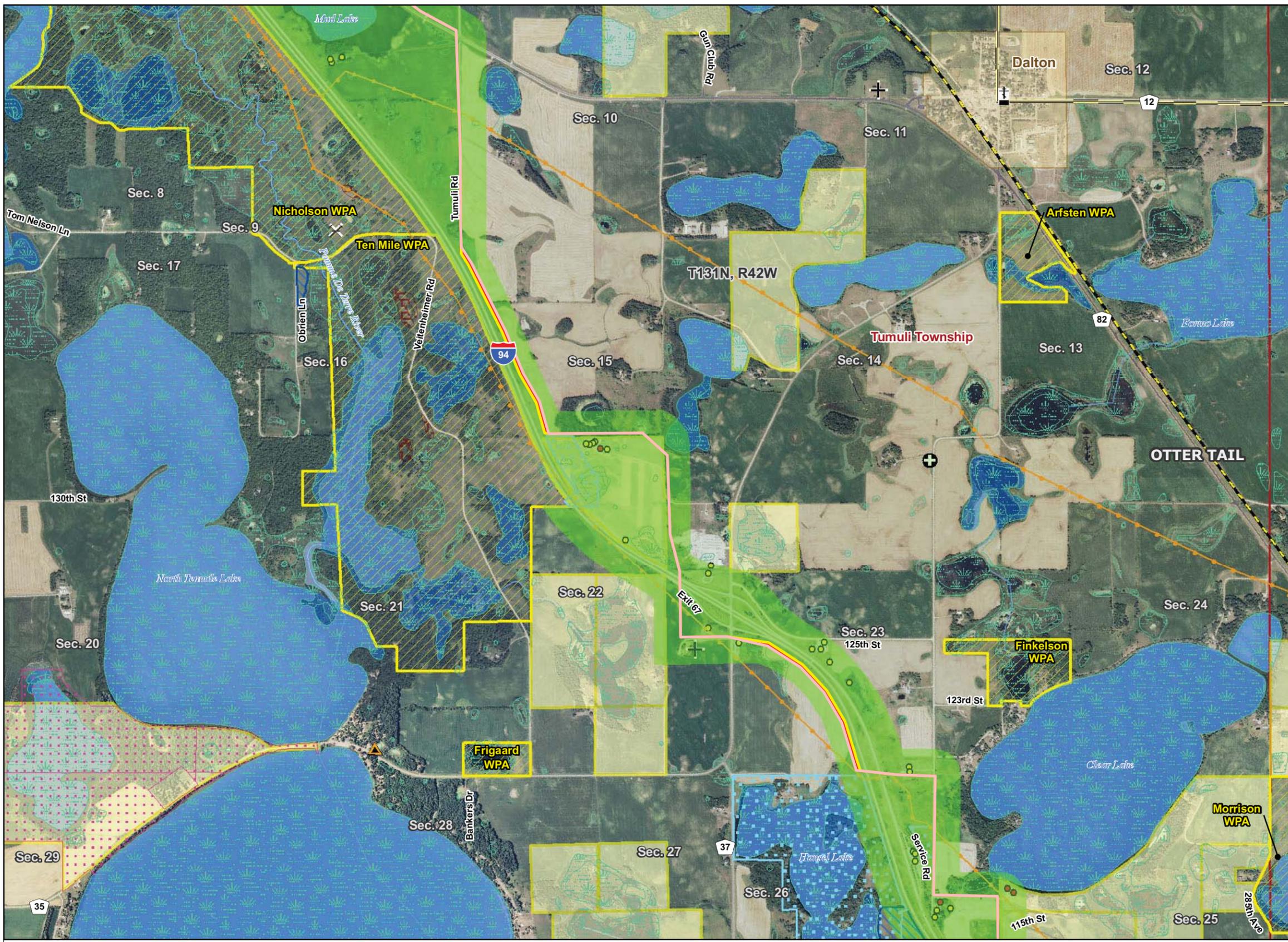
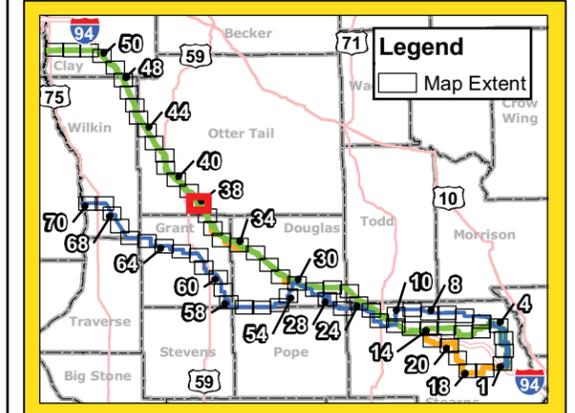
DRAWN BY: MLTeichert

M:\Clients\V-XXCL\CapX\Fargo\ArcGIS\2009\08\App_Figures\XCL_CAPX_Fargo_Aerial_Route_Maps.mxd

0 1,000 2,000 4,000 Feet

1:24,000

37



Legend

● Home	○ Center Pivot Irrigation System
● Building or Structure	□ Township
⊕ Cemetery	⊕ Municipal Boundary
⊕ Church	▨ State WMA
■ Substation	▨ State SNA
🎓 School	🌊 100 Year Floodplain
⊕ Daycare Facility	🌿 NWI Wetlands
✈ Airport	🌊 Lakes
📡 FCC Antenna Structure	🌊 PWI Lake
🗑 Landfill and Dump	📄 USFWS WPA
⚡ Aggregate Source Pit	📄 USFWS Easement
🌊 Streams	📄 Mn/DOT Scenic Easement
🌊 PWI Stream	📄 Mn BWSR RIM Easement
🛣 Scenic Byway	📄 Mn Land Trust Easement
🛣 State/County Trails	🛣 MCBS Railroad ROW Prairie
🛣 Existing Pipeline	🍄 Calcareous Fen
Transmission Line (kV)	🌿 Native Plant Communities
📄 400	MCBS Sites of Biodiversity Significance
📄 345	📄 High
📄 250	📄 Outstanding
📄 230	📄 Moderate
📄 115	
📄 69	

📄 Preferred Route	📄 Preferred Route Segment Alternative	📄 Alternate Route A
📄 Preferred Route Maximum Interstate Corridor Sharing Alignment (5-foot offset)	📄 Preferred Route Segment Alternative Alignment	📄 Alternate Route A Alignment
📄 Preferred Route Minimum Interstate Corridor Sharing Alignment (25-foot offset)	📄 Quarry Substation Siting Area	
📄 Preferred Route No Interstate Corridor Sharing Alignment (75-foot offset)		

See Section 10.2 for data sources. * Only homes and buildings/structures within the Proposed Routes are depicted

0 1,000 2,000 4,000 Feet
 1:24,000

Appendix B.1 Detailed Aerial Route Maps

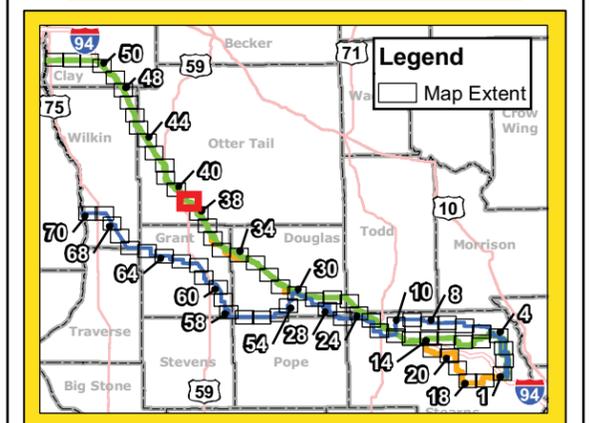
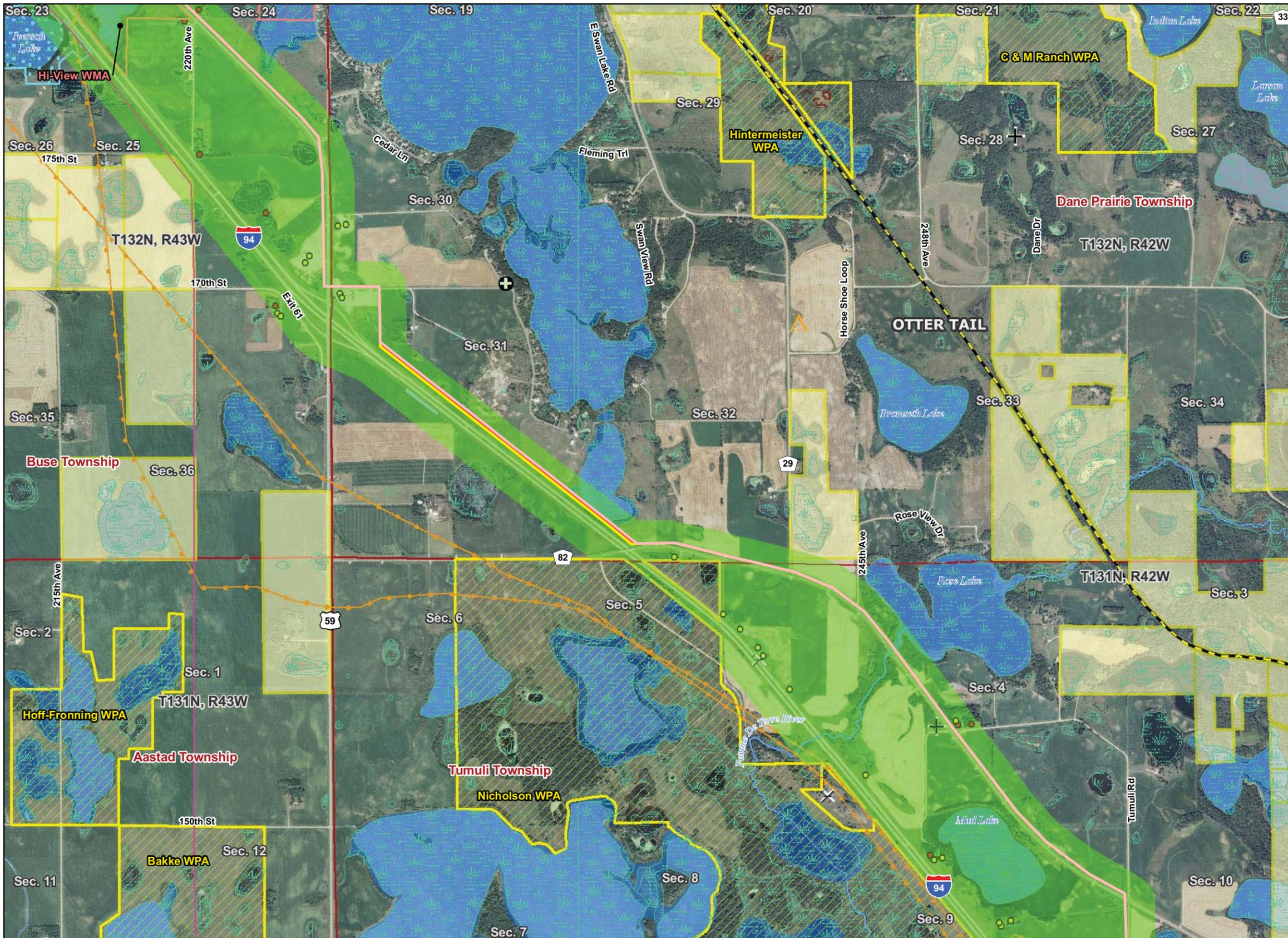
Route Permit Fargo to St. Cloud 345 kV Transmission Line

FILING DATE: 10/1/09

DRAWN BY: MLTeichert

M:\Clients\I\X\CL\CapX\Fargol_ArcGIS2009\08\App_Figures\XCL_CAPX_Fargo_Aerial_Route_Maps.mxd

38



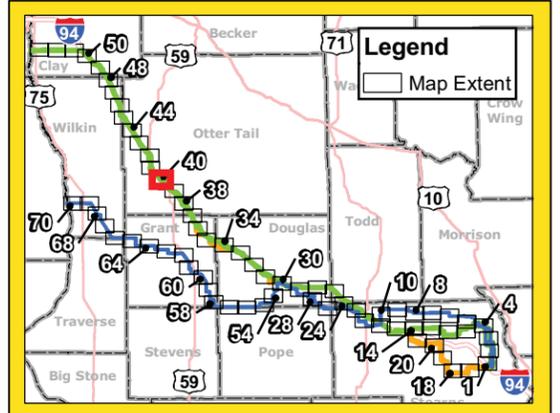
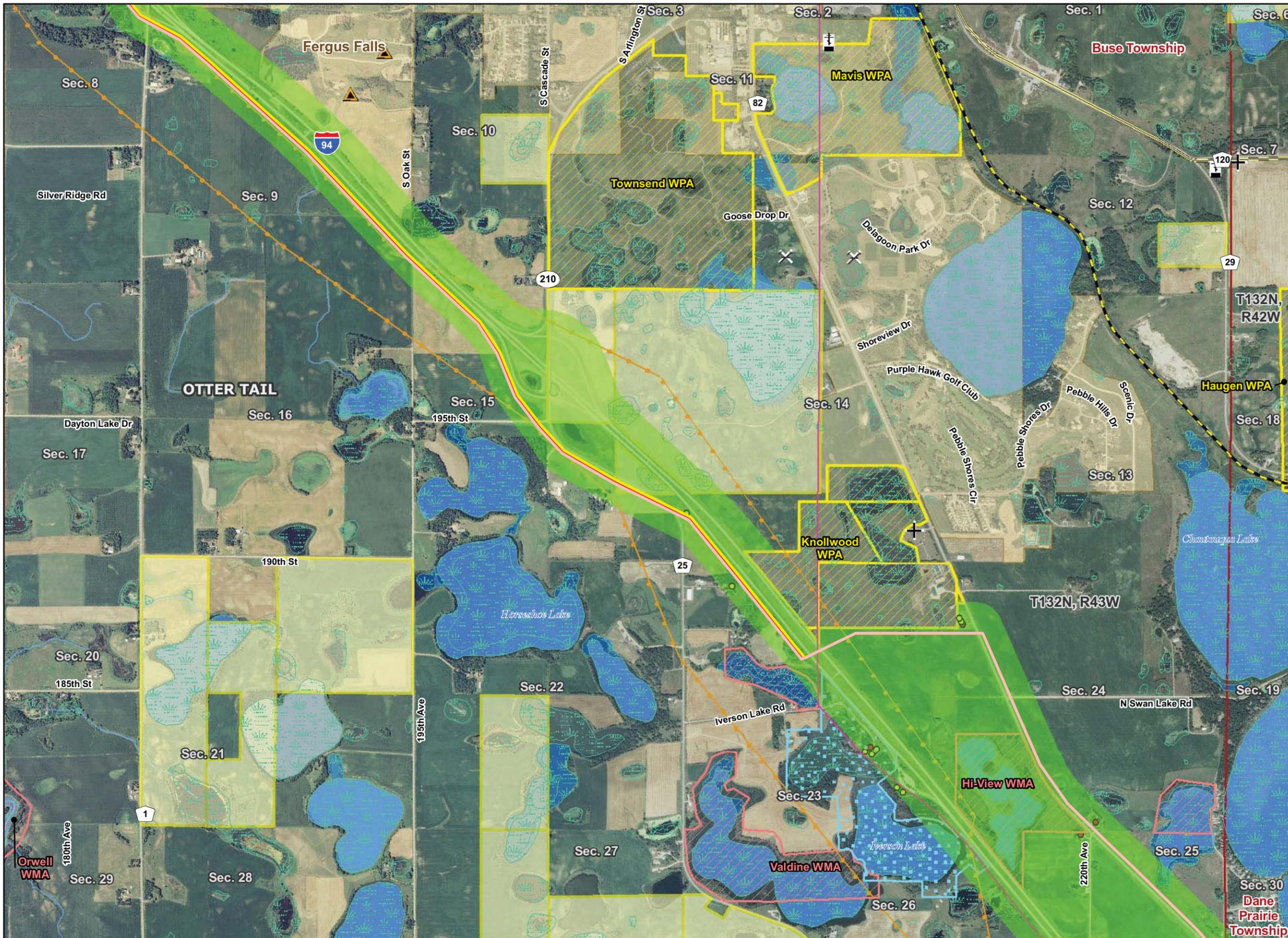
Legend

Home	Center Pivot Irrigation System
Building or Structure	Township
Cemetery	Municipal Boundary
Church	State WMA
Substation	State SNA
School	100 Year Floodplain
Daycare Facility	NWI Wetlands
Airport	Lakes
FCC Antenna Structure	PWI Lake
Landfill and Dump	USFWS WPA
Aggregate Source Pit	USFWS Easement
Streams	Mn/DOT Scenic Easement
PWI Stream	MN BWSR RIM Easement
Scenic Byway	MN Land Trust Easement
State/County Trails	MCBS Railroad ROW Prairie
Existing Pipeline	Calcareous Fen
Transmission Line (kV)	
400	345
250	230
115	69
MCBS Sites of Biodiversity Significance	
High	Outstanding
Moderate	

Appendix B.1 Detailed Aerial Route Maps

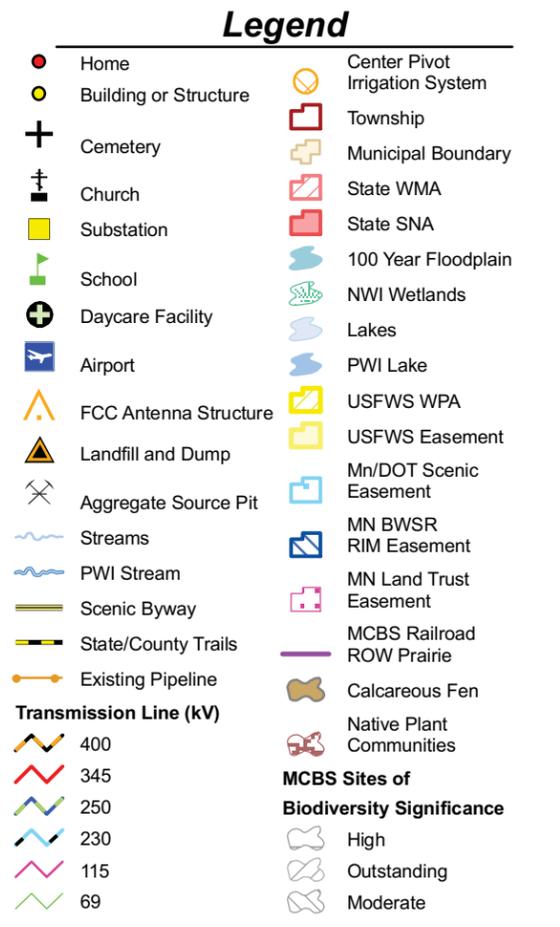
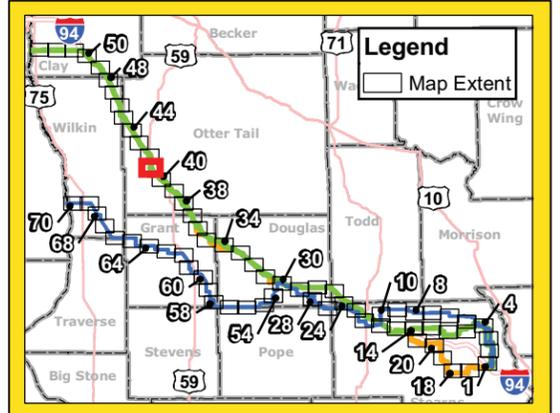
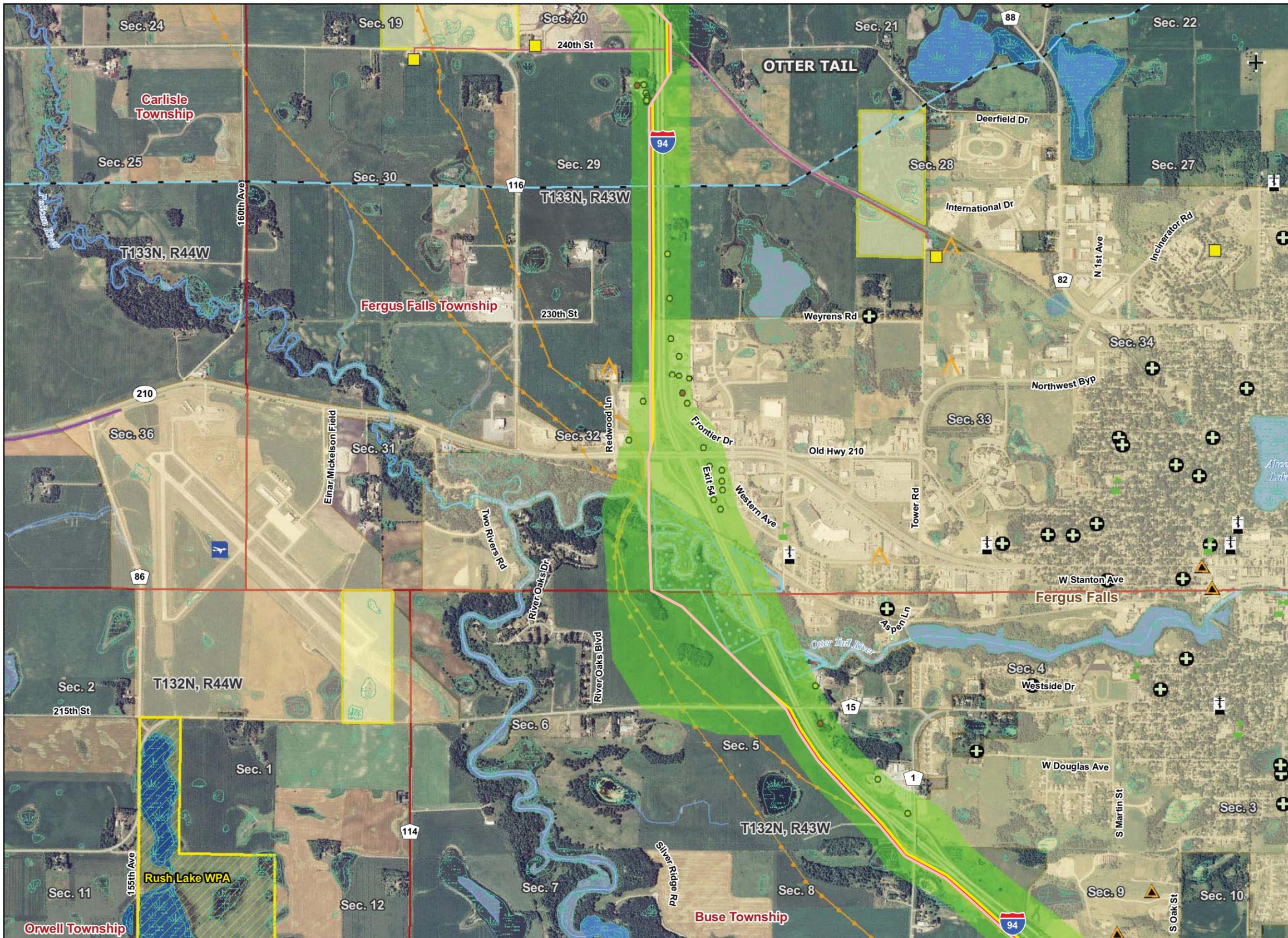
Route Permit Fargo to St. Cloud 345 kV Transmission Line

FILING DATE: 10/1/09	39
DRAWN BY: MLTeichert <small>M:\Clients\1\X\CL\CapX\Fargol_ArcGIS\2009\08\App_Figures\XCL_CAPX_Fargo_Aerial_Route_Maps.mxd</small>	

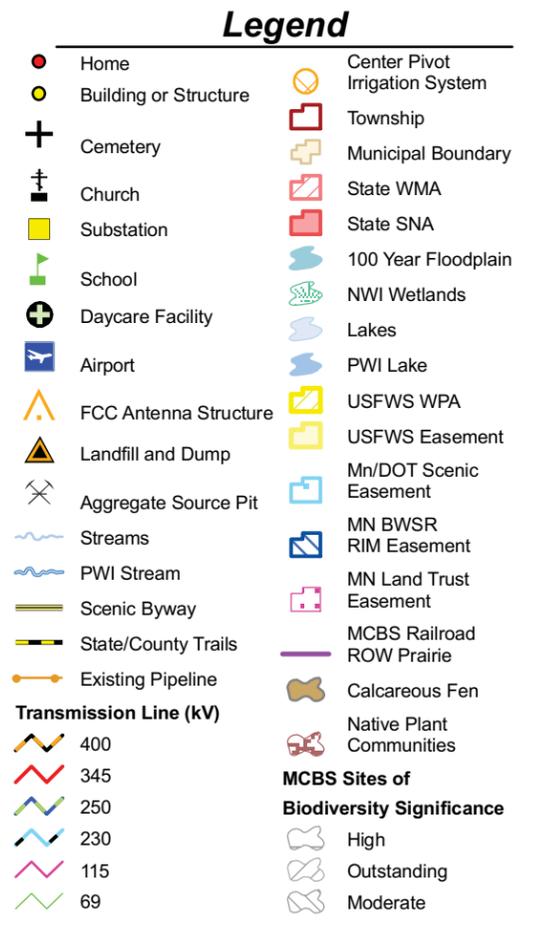
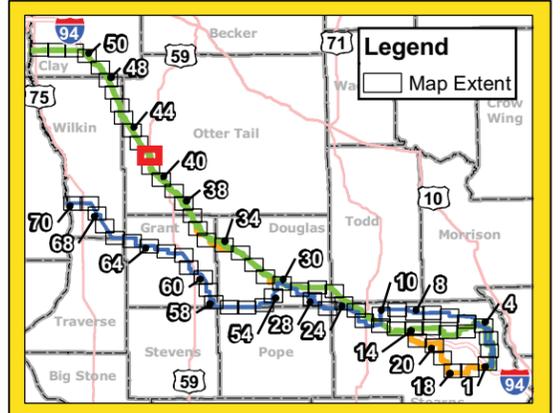
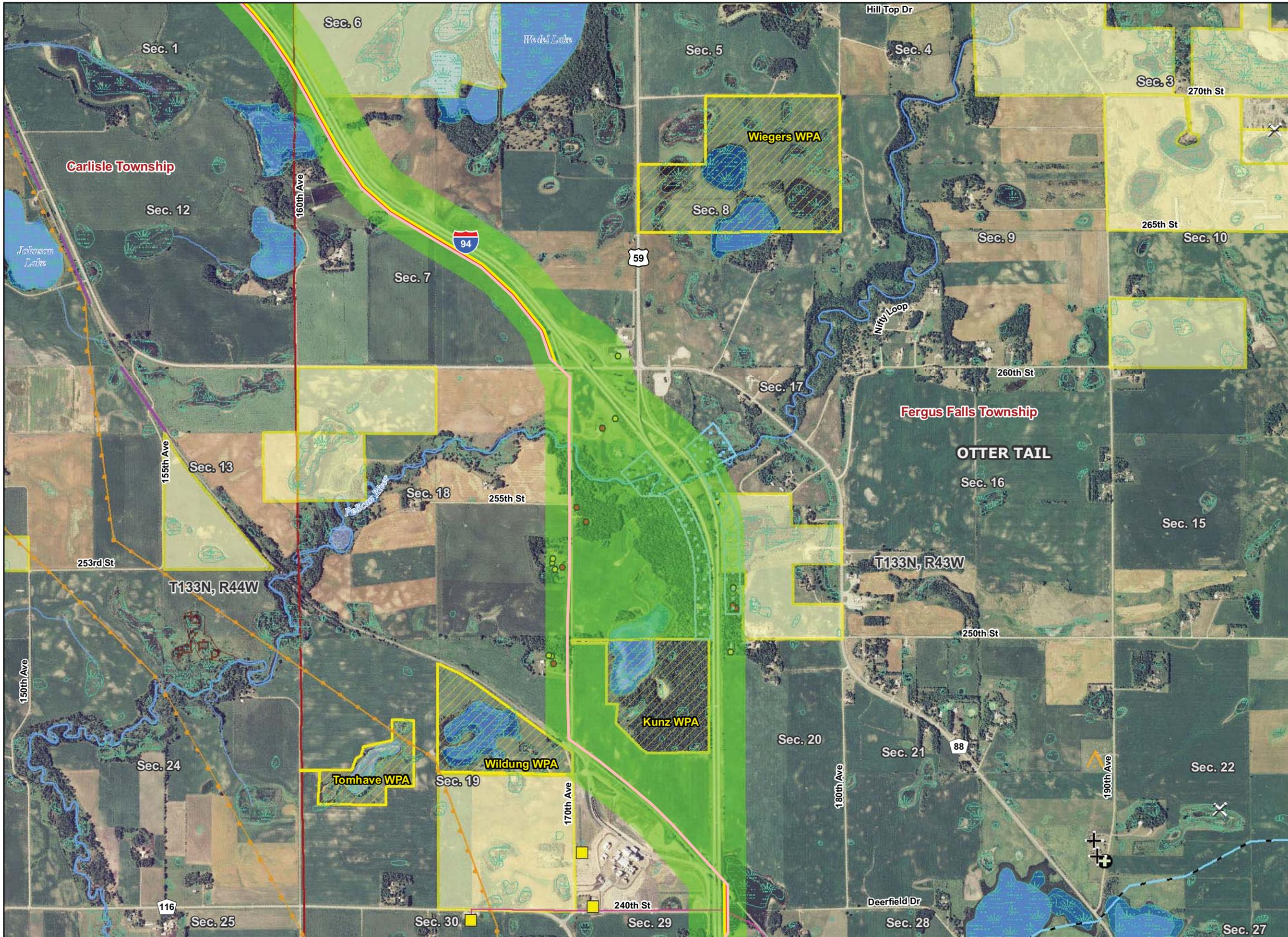


Legend

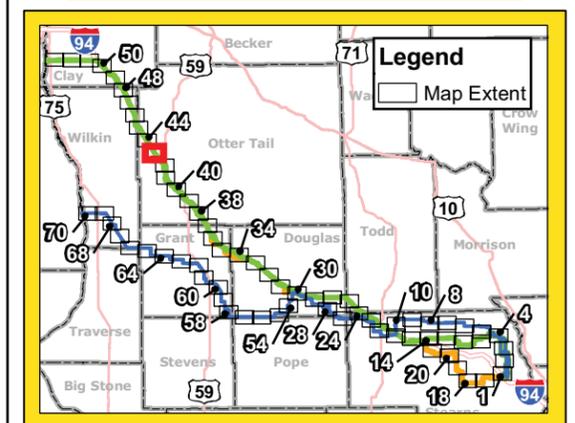
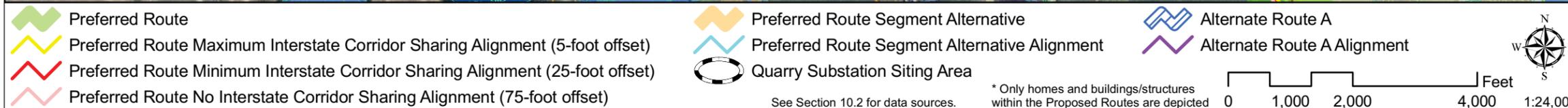
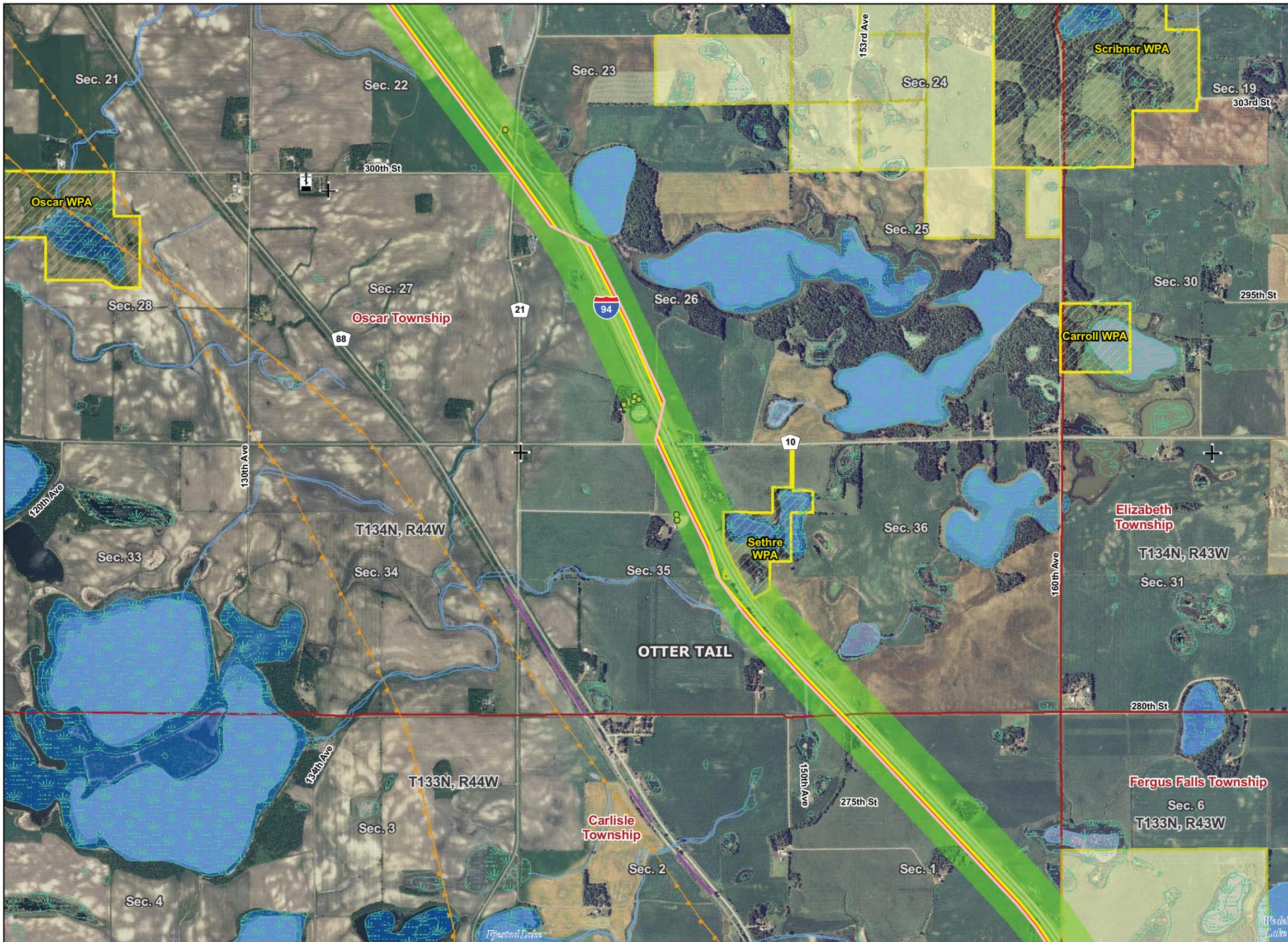
● Home	○ Center Pivot Irrigation System
● Building or Structure	□ Township
+ Cemetery	⊕ Municipal Boundary
⊕ Church	▨ State WMA
■ Substation	▨ State SNA
🏫 School	🌊 100 Year Floodplain
⊕ Daycare Facility	🌿 NWI Wetlands
✈ Airport	🌊 Lakes
📡 FCC Antenna Structure	🌊 PWI Lake
🗑 Landfill and Dump	📄 USFWS WPA
⊗ Aggregate Source Pit	📄 USFWS Easement
🌊 Streams	📄 Mn/DOT Scenic Easement
🌊 PWI Stream	📄 Mn BWSR RIM Easement
🛣 Scenic Byway	📄 MN Land Trust Easement
🛣 State/County Trails	🛣 MCBS Railroad ROW Prairie
🛣 Existing Pipeline	🦇 Calcareous Fen
Transmission Line (kV)	🌿 Native Plant Communities
400	MCBS Sites of Biodiversity Significance
345	🦋 High
250	🦋 Outstanding
230	🦋 Moderate
115	
69	



Appendix B.1
Detailed Aerial Route Maps
 Route Permit
 Fargo to St. Cloud
 345 kV Transmission Line



Appendix B.1
Detailed Aerial Route Maps
Route Permit
Fargo to St. Cloud
345 kV Transmission Line



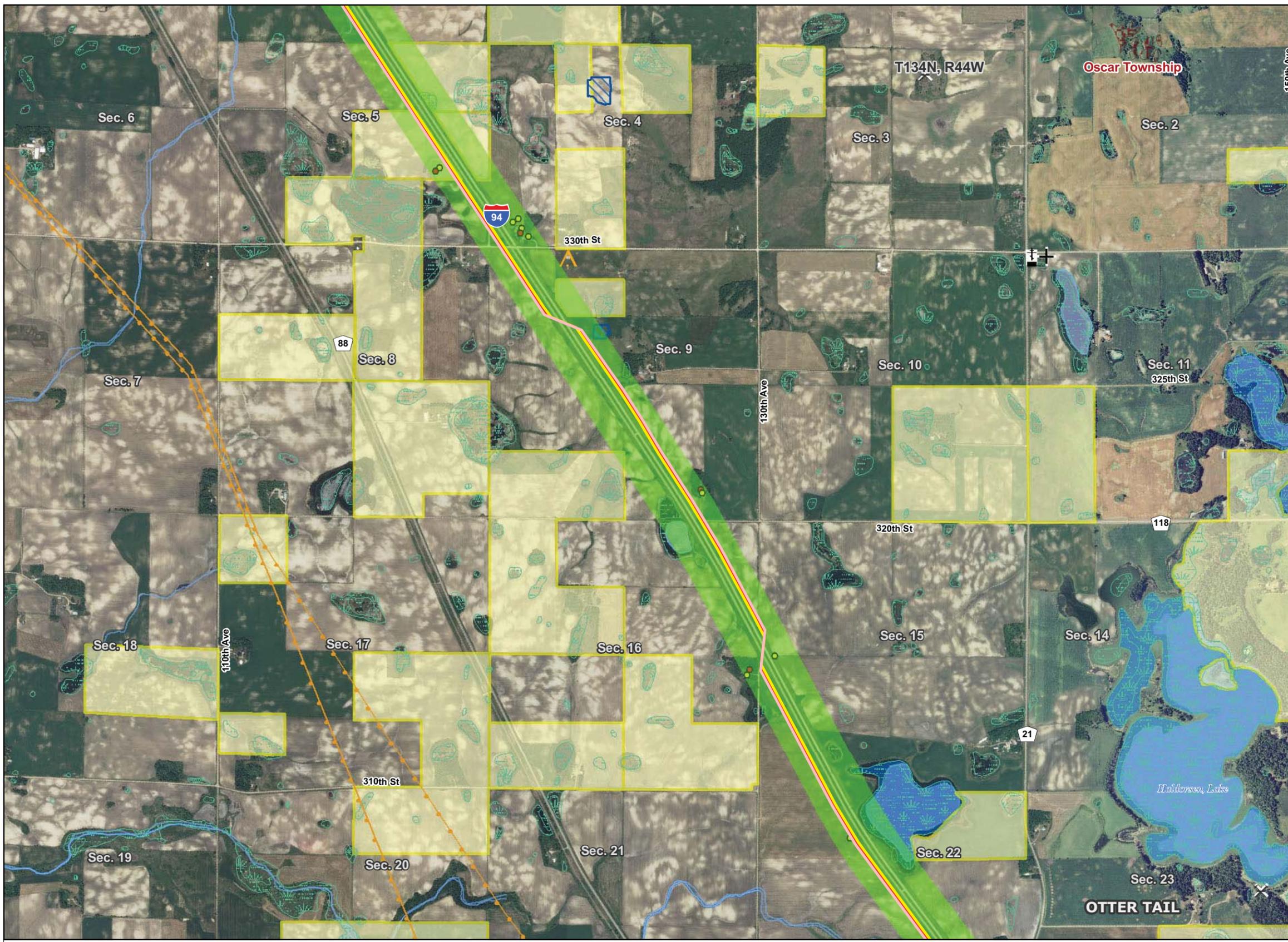
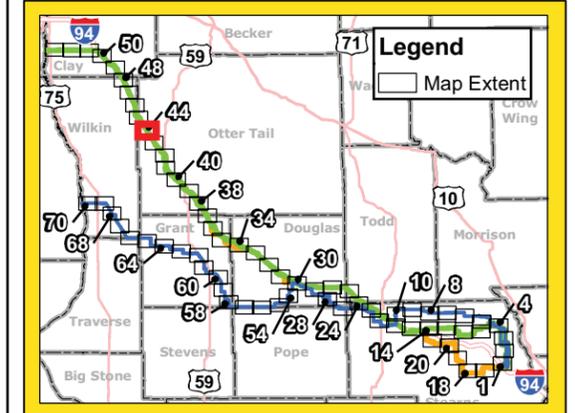
Legend

Home	Center Pivot Irrigation System	
Building or Structure	Township	
Cemetery	Municipal Boundary	
Church	State WMA	
Substation	State SNA	
School	100 Year Floodplain	
Daycare Facility	NWI Wetlands	
Airport	Lakes	
FCC Antenna Structure	PWI Lake	
Landfill and Dump	USFWS WPA	
Aggregate Source Pit	USFWS Easement	
Streams	Mn/DOT Scenic Easement	
PWI Stream	MN BWSR RIM Easement	
Scenic Byway	MN Land Trust Easement	
State/County Trails	MCBS Railroad ROW Prairie	
Existing Pipeline	Calcareous Fen	
Transmission Line (kV)		
400	Native Plant Communities	
345	MCBS Sites of Biodiversity Significance	
250	High	
230	Outstanding	
115	Moderate	
69		

Appendix B.1 Detailed Aerial Route Maps

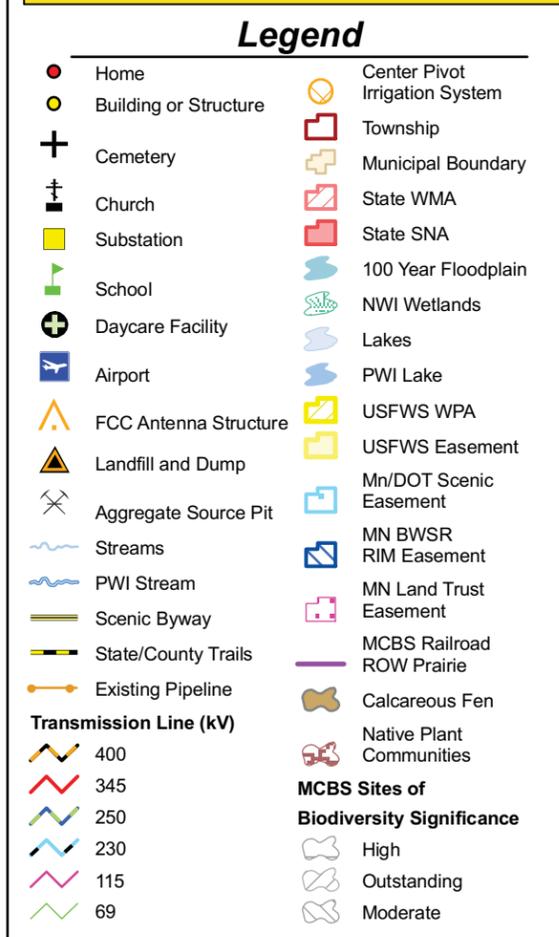
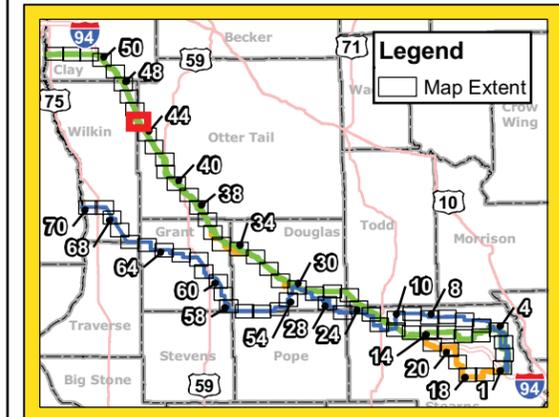
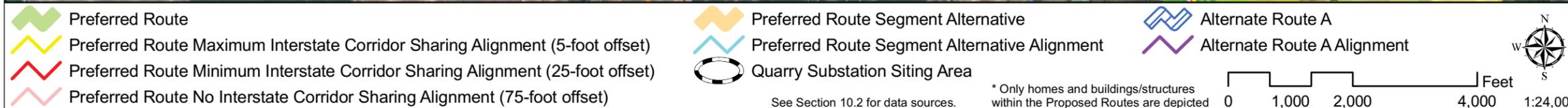
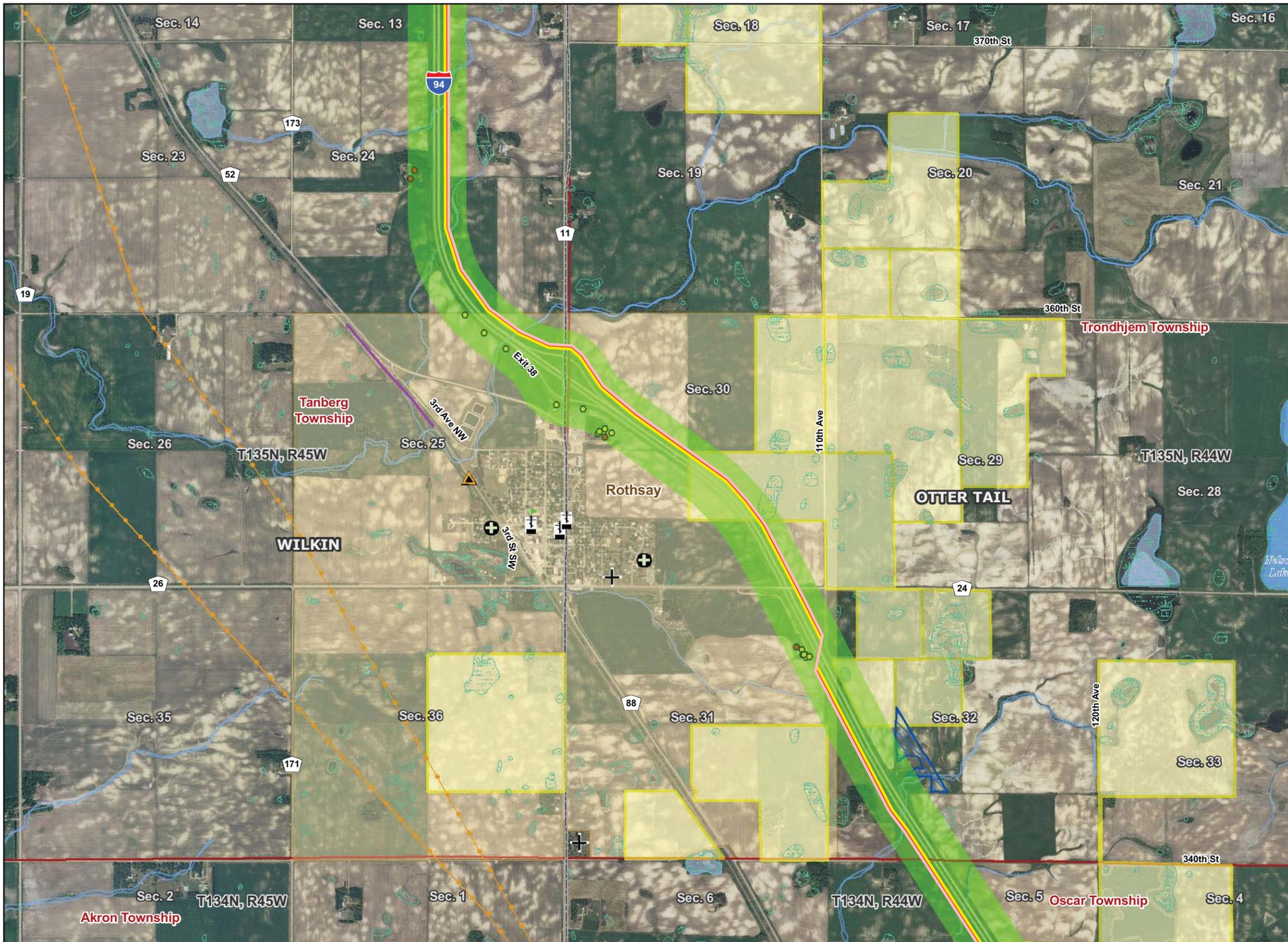
Route Permit Fargo to St. Cloud 345 kV Transmission Line

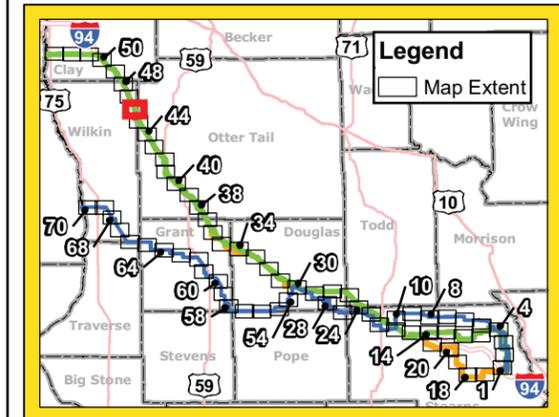
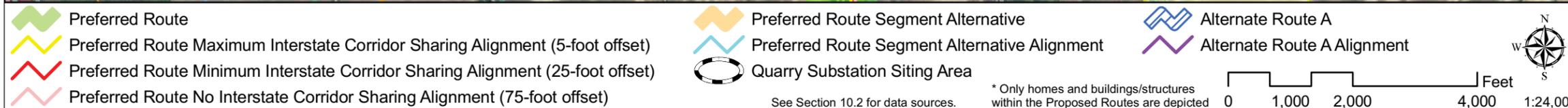
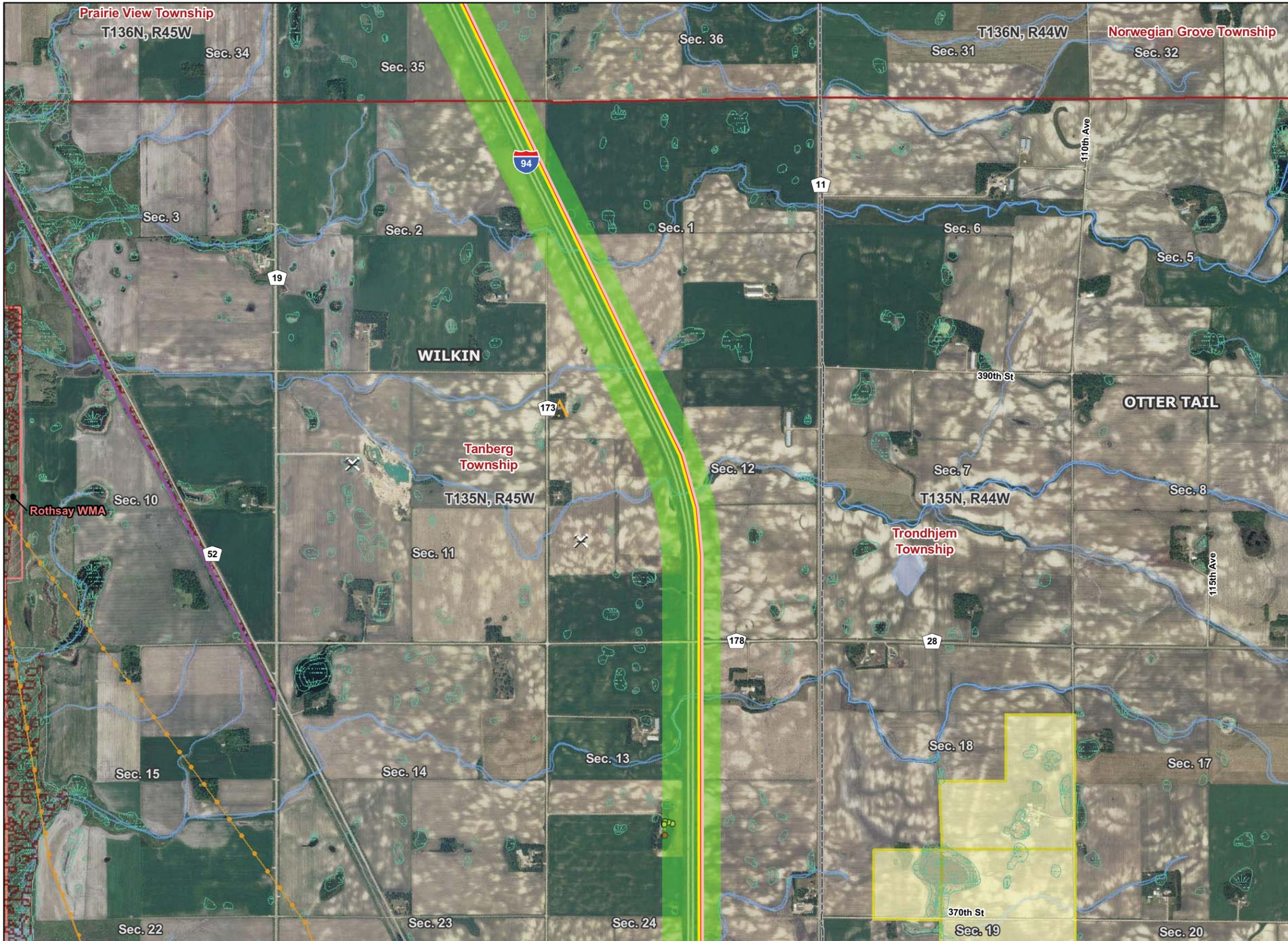
FILING DATE: 10/1/09	43
DRAWN BY: MLTeichert M:\Clients\1\XIXCL\CapX\Fargo\ArcGIS\2009\08\App_Figures\XCL_CAPX_Fargo_Aerial_Route_Maps.mxd	



- Legend**
- Home
 - Building or Structure
 - Cemetery
 - Church
 - Substation
 - School
 - Daycare Facility
 - Airport
 - FCC Antenna Structure
 - Landfill and Dump
 - Aggregate Source Pit
 - Streams
 - PWI Stream
 - Scenic Byway
 - State/County Trails
 - Existing Pipeline
 - Center Pivot Irrigation System
 - Township
 - Municipal Boundary
 - State WMA
 - State SNA
 - 100 Year Floodplain
 - NWI Wetlands
 - Lakes
 - PWI Lake
 - USFWS WPA
 - USFWS Easement
 - Mn/DOT Scenic Easement
 - MN BWSR RIM Easement
 - MN Land Trust Easement
 - MCBS Railroad ROW Prairie
 - Calcareous Fen
 - Native Plant Communities
 - MCBS Sites of Biodiversity Significance**
 - High
 - Outstanding
 - Moderate
- Transmission Line (kV)**
- 400
 - 345
 - 250
 - 230
 - 115
 - 69

- Preferred Route
 - Preferred Route Maximum Interstate Corridor Sharing Alignment (5-foot offset)
 - Preferred Route Minimum Interstate Corridor Sharing Alignment (25-foot offset)
 - Preferred Route No Interstate Corridor Sharing Alignment (75-foot offset)
 - Preferred Route Segment Alternative
 - Preferred Route Segment Alternative Alignment
 - Quarry Substation Siting Area
 - Alternate Route A
 - Alternate Route A Alignment
- * Only homes and buildings/structures within the Proposed Routes are depicted
- See Section 10.2 for data sources.
- 0 1,000 2,000 4,000 Feet
 1:24,000





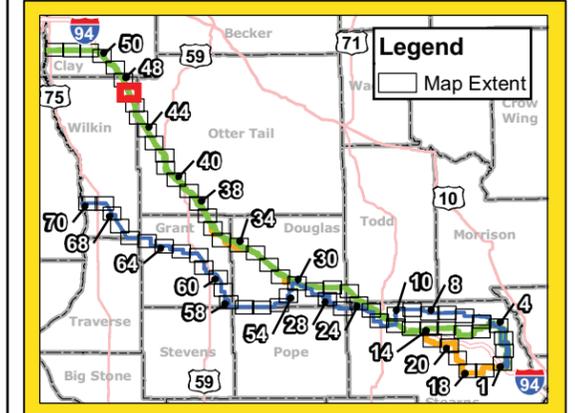
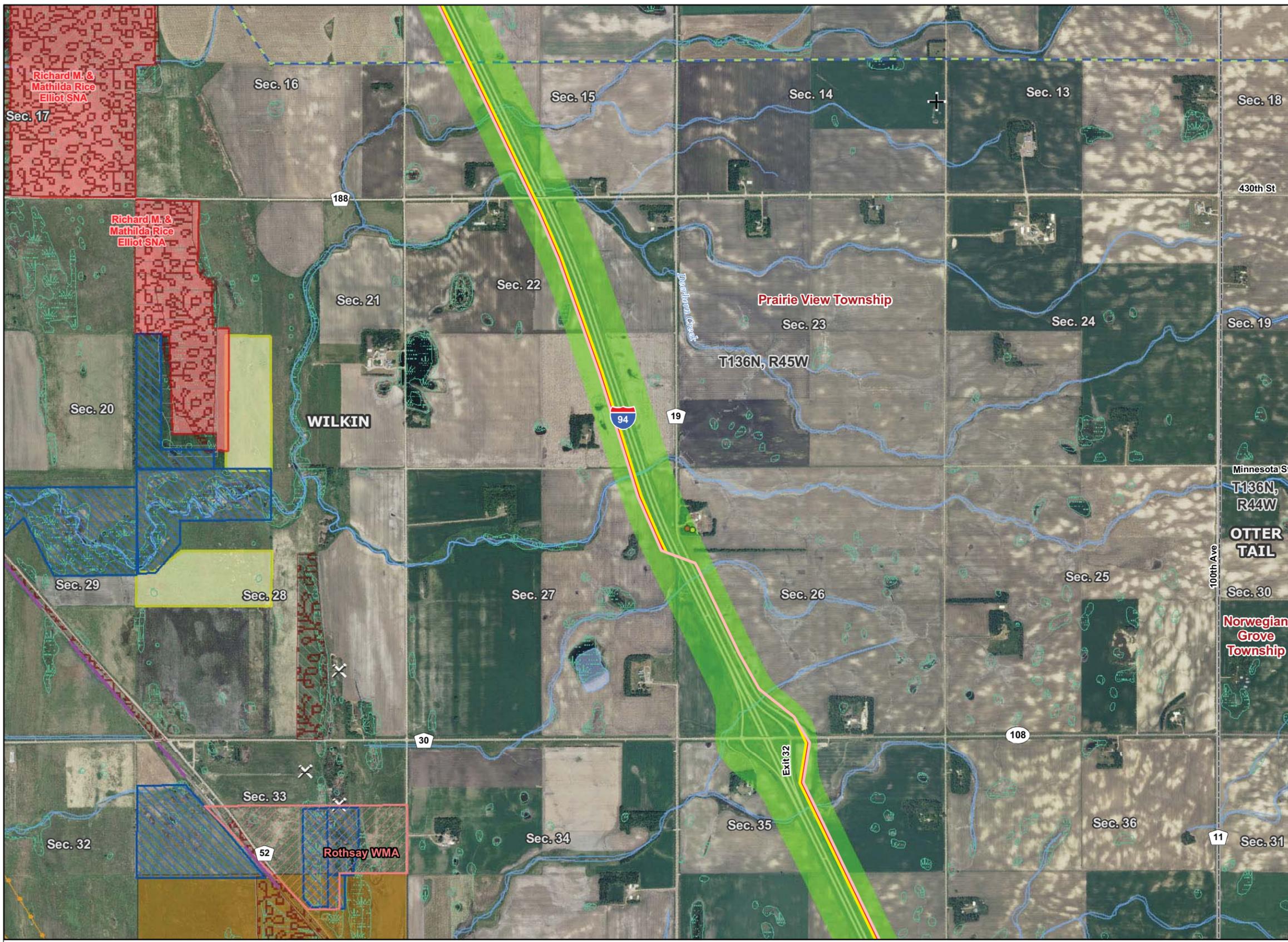
Legend

Home	Building or Structure	Cemetery	Church	Substation	School	Daycare Facility	Airport	FCC Antenna Structure	Landfill and Dump	Aggregate Source Pit	Streams	PWI Stream	Scenic Byway	State/County Trails	Existing Pipeline
Center Pivot Irrigation System	Township	Municipal Boundary	State WMA	State SNA	100 Year Floodplain	NWI Wetlands	Lakes	PWI Lake	USFWS WPA	USFWS Easement	Mn/DOT Scenic Easement	MN BWSR RIM Easement	MN Land Trust Easement	MCBS Railroad ROW Prairie	Calcareous Fen
Native Plant Communities	MCBS Sites of Biodiversity Significance		High	Outstanding	Moderate										

Appendix B.1 Detailed Aerial Route Maps

Route Permit Fargo to St. Cloud 345 kV Transmission Line

FILING DATE: 10/1/09	46
DRAWN BY: MLTeichert	
M:\Clients\W-XXCL\CapX\Fargol_ArcGIS\2009\08\App_Figures\XCL_CAPX_Fargo_Aerial_Route_Maps.mxd	

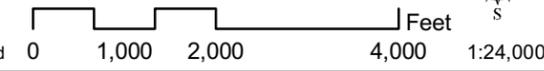


Legend

Home	Center Pivot Irrigation System	
Building or Structure	Township	
Cemetery	Municipal Boundary	
Church	State WMA	
Substation	State SNA	
School	100 Year Floodplain	
Daycare Facility	NWI Wetlands	
Airport	Lakes	
FCC Antenna Structure	PWI Lake	
Landfill and Dump	USFWS WPA	
Aggregate Source Pit	USFWS Easement	
Streams	Mn/DOT Scenic Easement	
PWI Stream	MN BWSR RIM Easement	
Scenic Byway	MN Land Trust Easement	
State/County Trails	MCBS Railroad ROW Prairie	
Existing Pipeline	Calcareous Fen	
Transmission Line (kV)		
400	Native Plant Communities	
345	MCBS Sites of Biodiversity Significance	
250	High	
230	Outstanding	
115	Moderate	
69		

Preferred Route	Preferred Route Segment Alternative	Alternate Route A
Preferred Route Maximum Interstate Corridor Sharing Alignment (5-foot offset)	Preferred Route Segment Alternative Alignment	Alternate Route A Alignment
Preferred Route Minimum Interstate Corridor Sharing Alignment (25-foot offset)	Quarry Substation Siting Area	
Preferred Route No Interstate Corridor Sharing Alignment (75-foot offset)		

See Section 10.2 for data sources. * Only homes and buildings/structures within the Proposed Routes are depicted



Appendix B.1

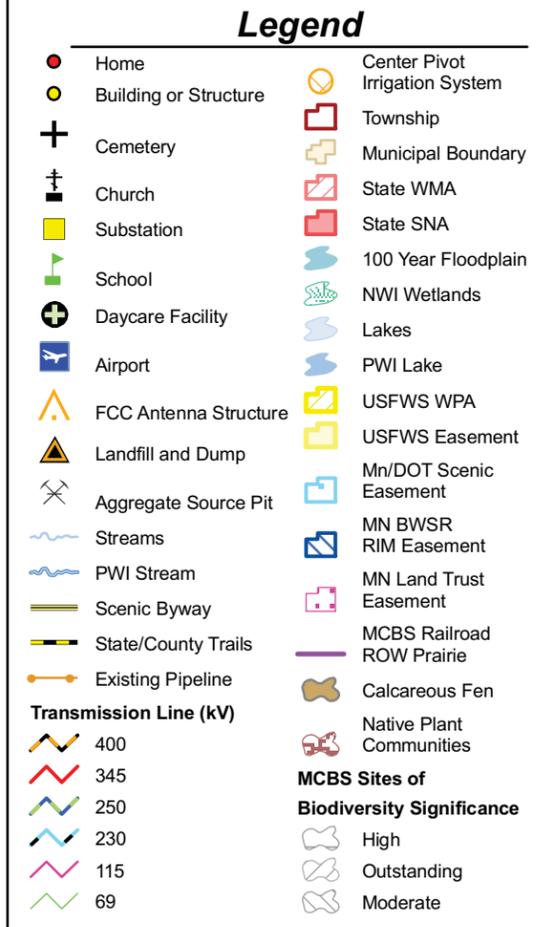
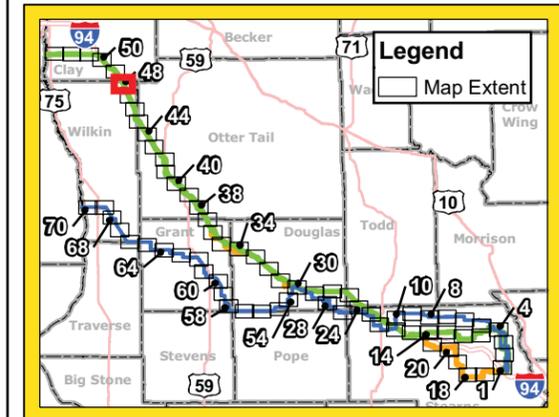
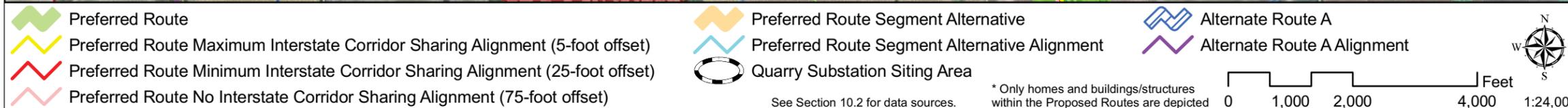
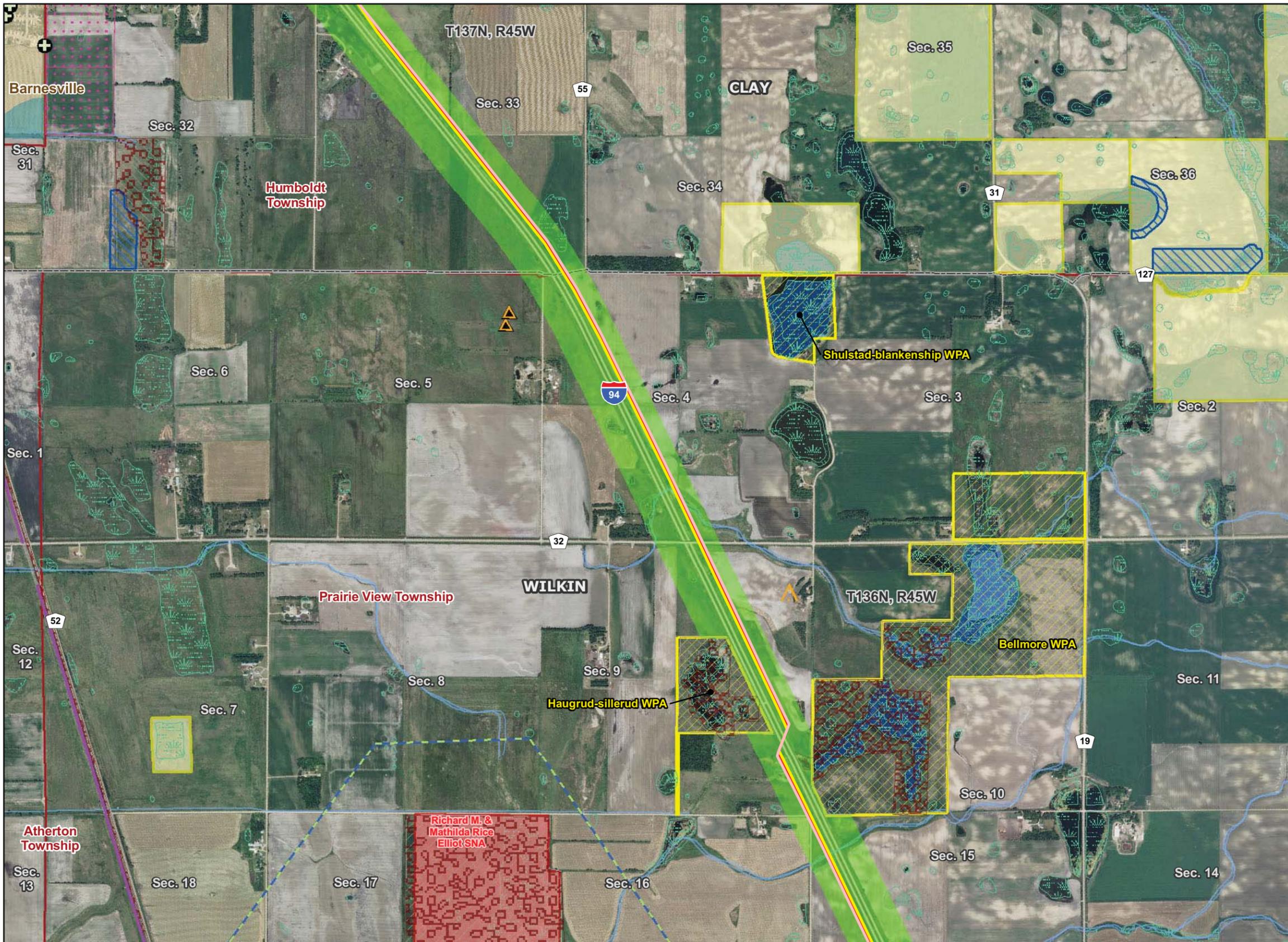
Detailed Aerial Route Maps

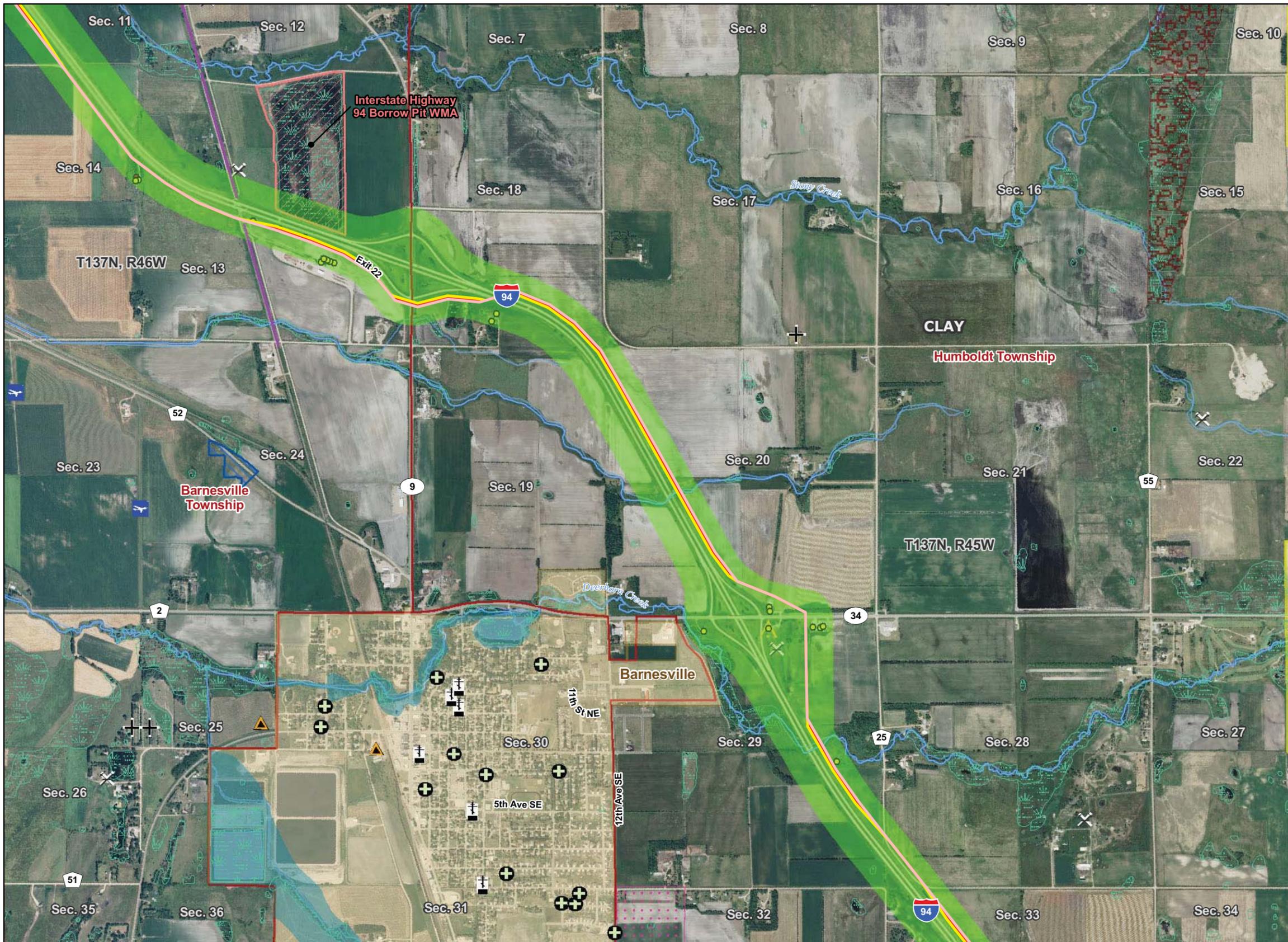
Route Permit

Fargo to St. Cloud

345 kV Transmission Line

FILING DATE: 10/1/09	47
DRAWN BY: MLTeichert M:\Clients\W-XXCL\CapX\Fargol_ArcGIS\2009\08\App_Figures\XCL_CAPX_Fargo_Aerial_Route_Maps.mxd	



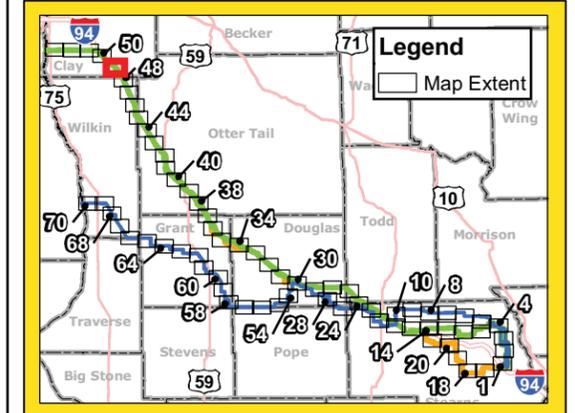


- Preferred Route
- Preferred Route Maximum Interstate Corridor Sharing Alignment (5-foot offset)
- Preferred Route Minimum Interstate Corridor Sharing Alignment (25-foot offset)
- Preferred Route No Interstate Corridor Sharing Alignment (75-foot offset)

- Preferred Route Segment Alternative
- Preferred Route Segment Alternative Alignment
- Quarry Substation Siting Area
- Alternate Route A
- Alternate Route A Alignment

See Section 10.2 for data sources.

* Only homes and buildings/structures within the Proposed Routes are depicted



- ### Legend
- Home
 - Building or Structure
 - Cemetery
 - Church
 - Substation
 - School
 - Daycare Facility
 - Airport
 - FCC Antenna Structure
 - Landfill and Dump
 - Aggregate Source Pit
 - Streams
 - PWI Stream
 - Scenic Byway
 - State/County Trails
 - Existing Pipeline
 - Center Pivot Irrigation System
 - Township
 - Municipal Boundary
 - State WMA
 - State SNA
 - 100 Year Floodplain
 - NWI Wetlands
 - Lakes
 - PWI Lake
 - USFWS WPA
 - USFWS Easement
 - Mn/DOT Scenic Easement
 - MN BWSR RIM Easement
 - MN Land Trust Easement
 - MCBS Railroad ROW Prairie
 - Calcareous Fen
 - Native Plant Communities
 - MCBS Sites of Biodiversity Significance**
 - High
 - Outstanding
 - Moderate

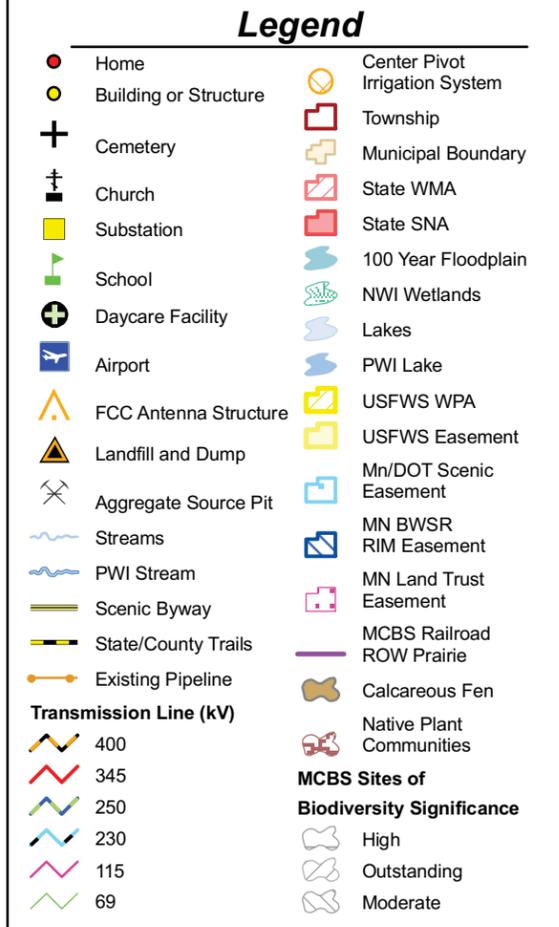
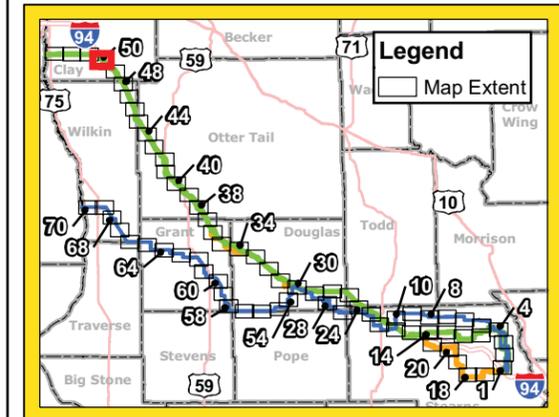
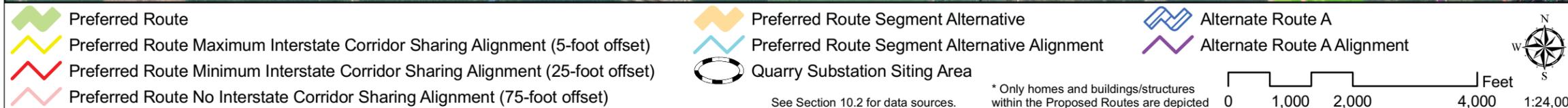
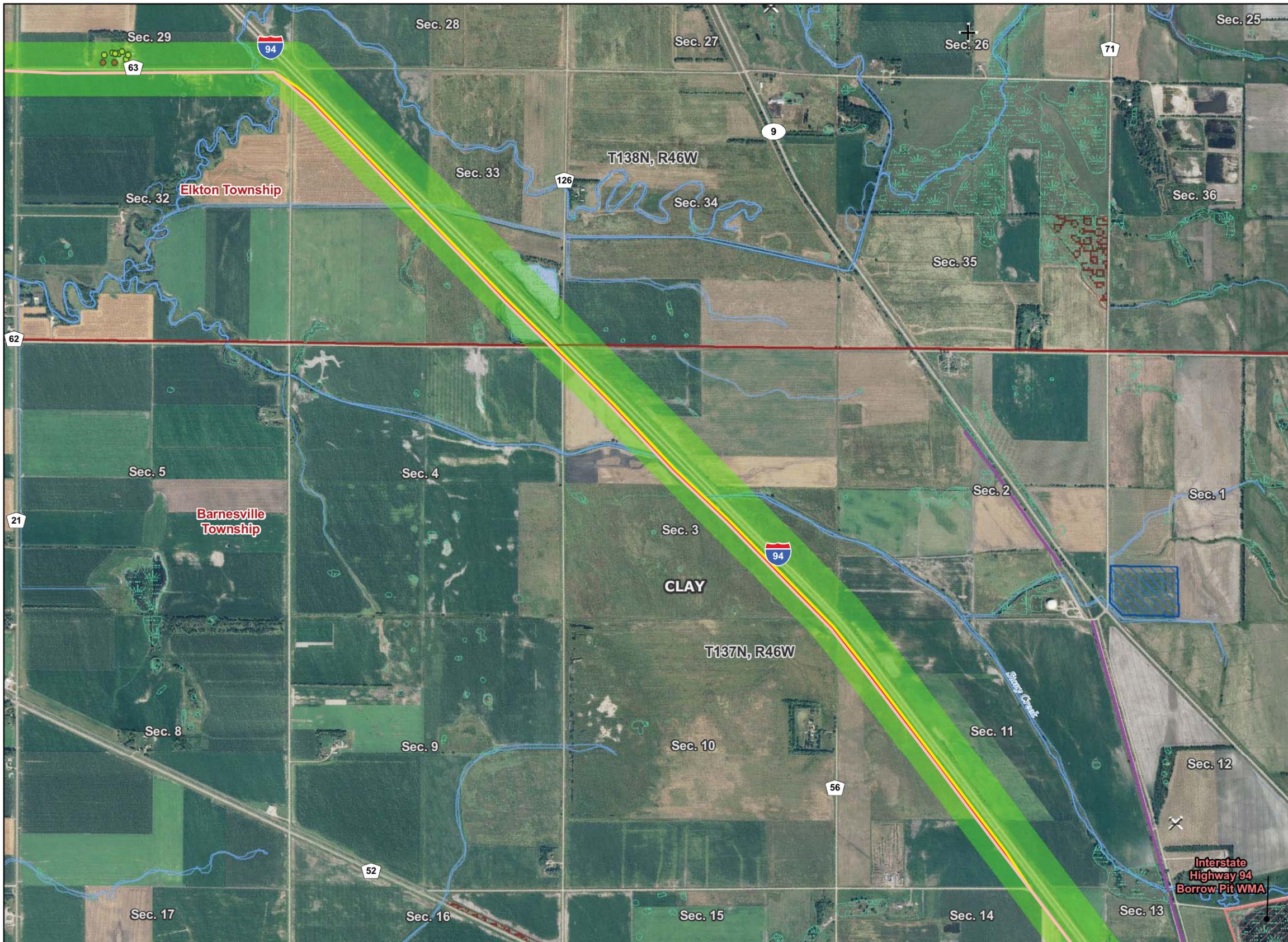
Appendix B.1 Detailed Aerial Route Maps

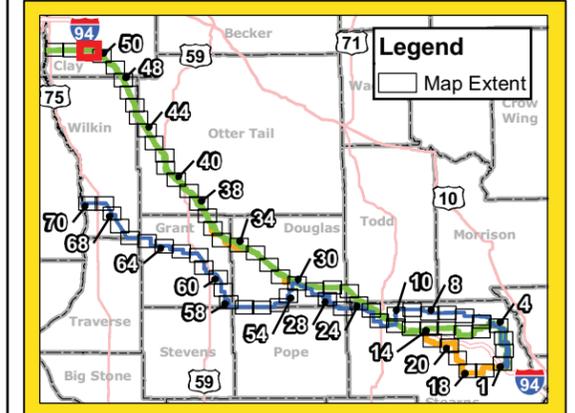
Route Permit Fargo to St. Cloud 345 kV Transmission Line

FILING DATE: 10/1/09

DRAWN BY: MLTeichert

M:\Clients\V-XXCL\CapX\Fargol_ArcGIS2009\08\App_Figures\XCL_CAPX_Fargo_Aerial_Route_Maps.mxd





- ### Legend
- Home
 - Building or Structure
 - ⊕ Cemetery
 - ⊕ Church
 - Substation
 - 🎓 School
 - ⊕ Daycare Facility
 - ✈ Airport
 - 📡 FCC Antenna Structure
 - 🗑 Landfill and Dump
 - ⚡ Aggregate Source Pit
 - 🌊 Streams
 - 🌊 PWI Stream
 - 🛣 Scenic Byway
 - 🛣 State/County Trails
 - 🛣 Existing Pipeline
 - 🏠 Center Pivot Irrigation System
 - 🗺 Township
 - 📏 Municipal Boundary
 - 📏 State WMA
 - 📏 State SNA
 - 🌊 100 Year Floodplain
 - 🌿 NWI Wetlands
 - 🌊 Lakes
 - 🌊 PWI Lake
 - 📏 USFWS WPA
 - 📏 USFWS Easement
 - 📏 Mn/DOT Scenic Easement
 - 📏 MN BWSR RIM Easement
 - 📏 MN Land Trust Easement
 - 📏 MCBS Railroad ROW Prairie
 - 📏 Calcareous Fen
 - 📏 Native Plant Communities
- ### Transmission Line (kV)
- 400
 - 345
 - 250
 - 230
 - 115
 - 69
- ### MCBS Sites of Biodiversity Significance
- High
 - Outstanding
 - Moderate

- 🟢 Preferred Route
 - 🟡 Preferred Route Maximum Interstate Corridor Sharing Alignment (5-foot offset)
 - 🔴 Preferred Route Minimum Interstate Corridor Sharing Alignment (25-foot offset)
 - 🔵 Preferred Route No Interstate Corridor Sharing Alignment (75-foot offset)
 - 🟡 Preferred Route Segment Alternative
 - 🔵 Preferred Route Segment Alternative Alignment
 - 🟤 Quarry Substation Siting Area
 - 🟡 Alternate Route A
 - 🔵 Alternate Route A Alignment
- See Section 10.2 for data sources. * Only homes and buildings/structures within the Proposed Routes are depicted
- 0 1,000 2,000 4,000 Feet 1:24,000

