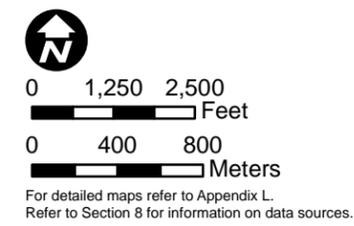


Barr Footer: ArcGIS 10.2.1, 2014-06-17 16:12 File: I:\Projects\231461\023\Map\Reports\Final_EIS\Section 06\Map 6-13 - Water Resources along Jackson Municipal Airport Route Variations.mxd User: mbs2

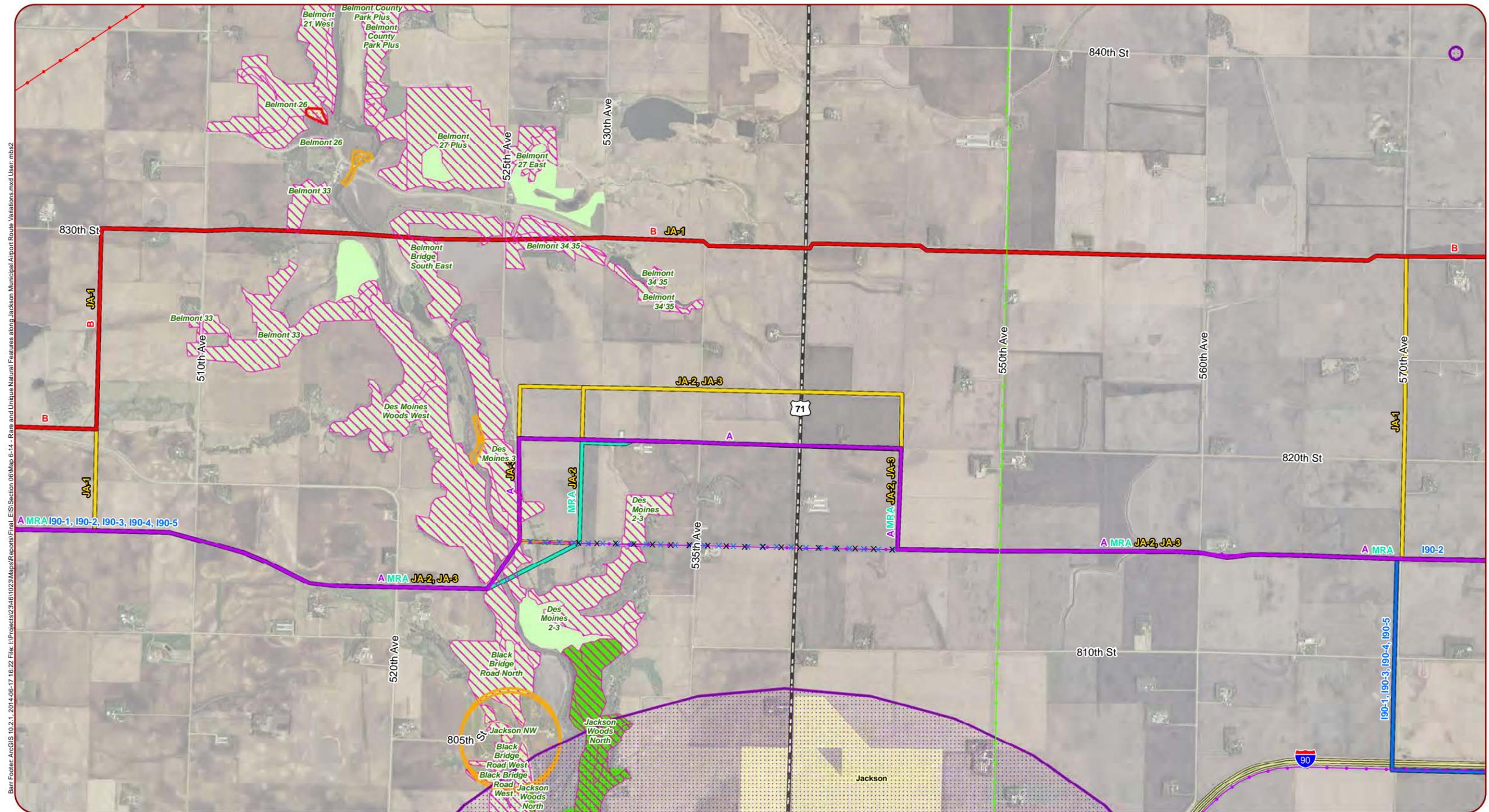


- Route A
 - Modified Route A (MRA)
 - Route B
 - I90 Route Alternatives
 - Route Variations
 - Existing Transmission Lines**
 - Existing 69 kV Line
 - Existing 161 kV Line
 - Existing 345 kV Line
 - Impaired Streams
 - Public Water Inventory Watercourse
 - NHD Flowlines
 - Shallow Lakes
 - Public Waters Inventory (Basins)
 - NHD Waterbodies
 - Wetlands (NWI)
 - State Wildlife Management Area
 - Municipal Boundary
- ++ Existing 161kV Line to be Removed in Conjunction with Modified Route A or Route Variation JA-2
 ++ Existing 161kV Line to be Removed in Conjunction with Route A and Route Variation JA-3

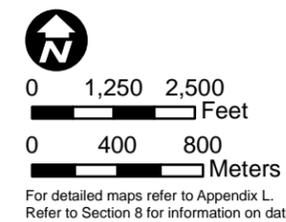
Note:
 This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-13

**Water Resources along Jackson
 Municipal Airport Route Variations**
 Minnesota-Iowa 345 kV
 Transmission Project
 ITC Midwest LLC



Barr Footer: ArcGIS 10.2.1, 2014-06-17 16:22 File: I:\Projects\2346\1023\Mapas\Reports\Final_EIS\Section 06\Map 6-14 - Rare and Unique Natural Features along Jackson Municipal Airport Route Variations.mxd User: mbs2



- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Existing Transmission Lines**
- Existing 69 kV Line
- Existing 161 kV Line
- Existing 345 kV Line

- Existing 161kV Line to be Removed in Conjunction with Modified Route A or Route Variation JA-2
- Existing 161kV Line to be Removed in Conjunction with Route A and Route Variation JA-3

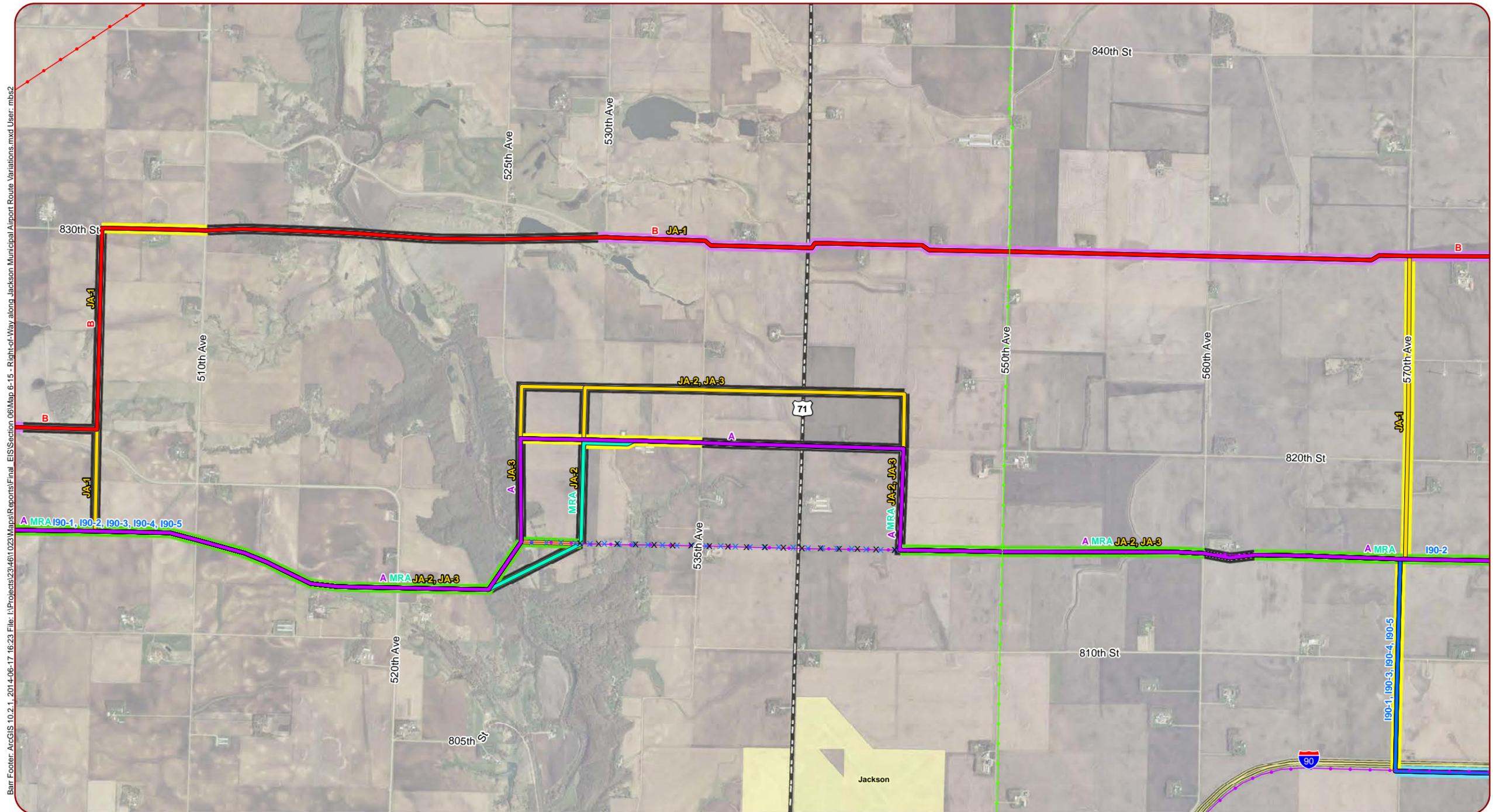
- NHIS Rare Natural Features**
- Vertebrate Animal
- Invertebrate Animal
- Vascular Plant

- MBS Native Plant Communities
- Municipal Boundary
- MBS Sites of Biodiversity Significance**
- Moderate
- High
- Outstanding

Note:
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-14

Rare and Unique Natural Features along Jackson Municipal Airport Route Variations
Minnesota-Iowa 345 kV Transmission Project
ITC Midwest LLC



Barr Footer: ArcGIS 10.2.1, 2014-06-17 16:23 File: I:\Projects\231461\023\Map\Reports\Final_EIS\Section 06\Map 6-15 - Right-of-Way along Jackson Municipal Airport Route Variations.mxd User: mbs2



0 1,250 2,500
Feet

0 400 800
Meters

For detailed maps refer to Appendix L.
Refer to Section 8 for information on data sources.

- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Existing Transmission Lines**
- Existing 69 kV Line
- Existing 161 kV Line
- Existing 345 kV Line

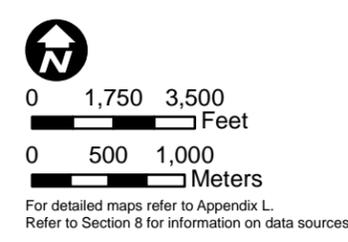
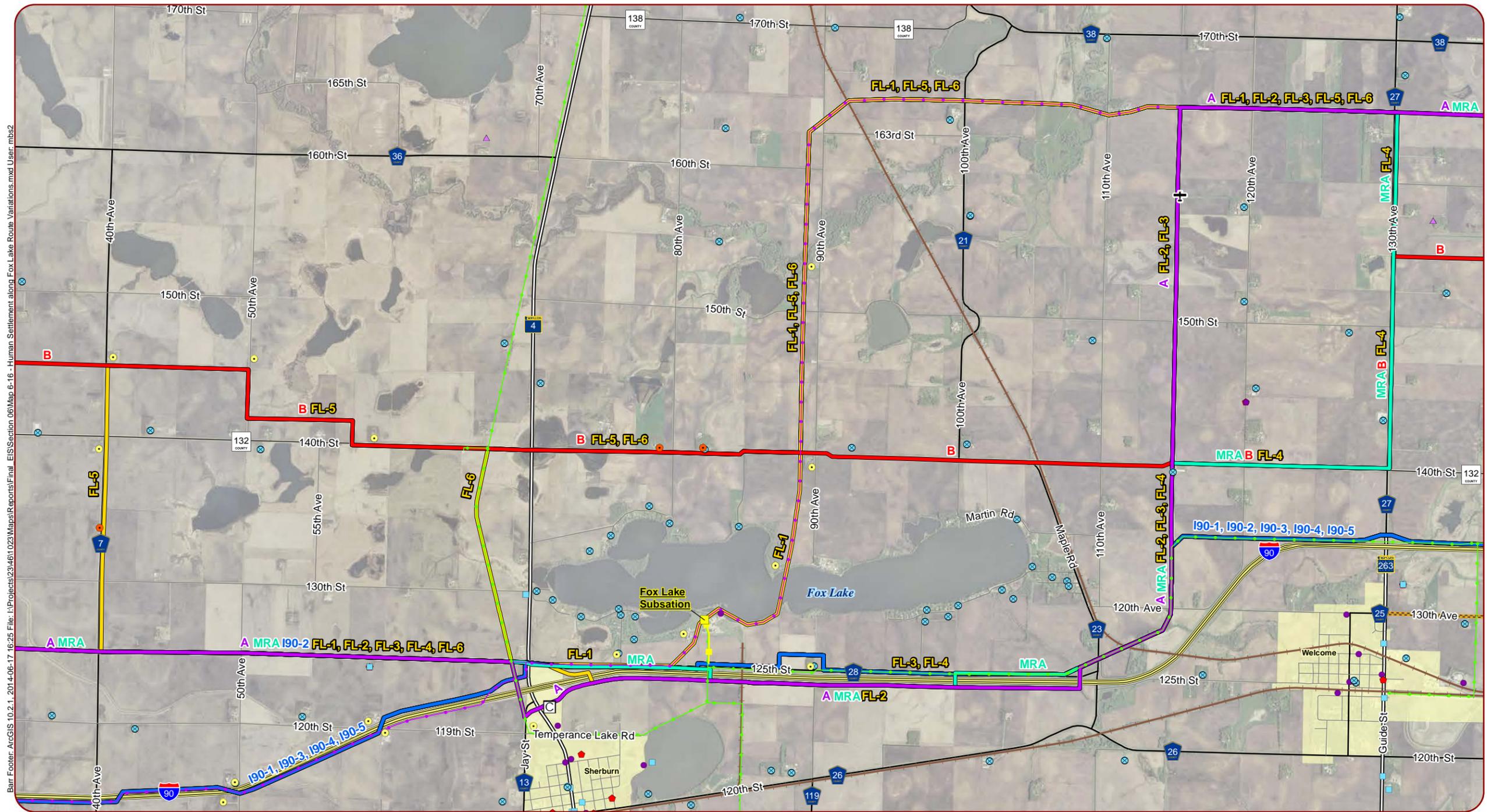
- Existing 161kV Line to be Removed in Conjunction with Modified Route A or Route Variation JA-2
- Existing 161kV Line to be Removed in Conjunction with Route A and Route Variation JA-3

- Municipal Boundary
 - Right-of-Way Sharing**
 - Existing Transmission Line
 - Highway*
 - Other Road
 - Existing Transmission Line & Major Highway
 - No Sharing with Existing Infrastructure
- * Includes Interstate Highways, US Highways, State Trunk Highways and County State-Aid Highways

Note:
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-15

Right-of-Way Sharing along Jackson Municipal Airport Route Variations
Minnesota-Iowa 345 kV Transmission Project
ITC Midwest LLC



- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Project Substations
- New 161 kV Single Circuit (Applies to all Fox Lake Removal Options)

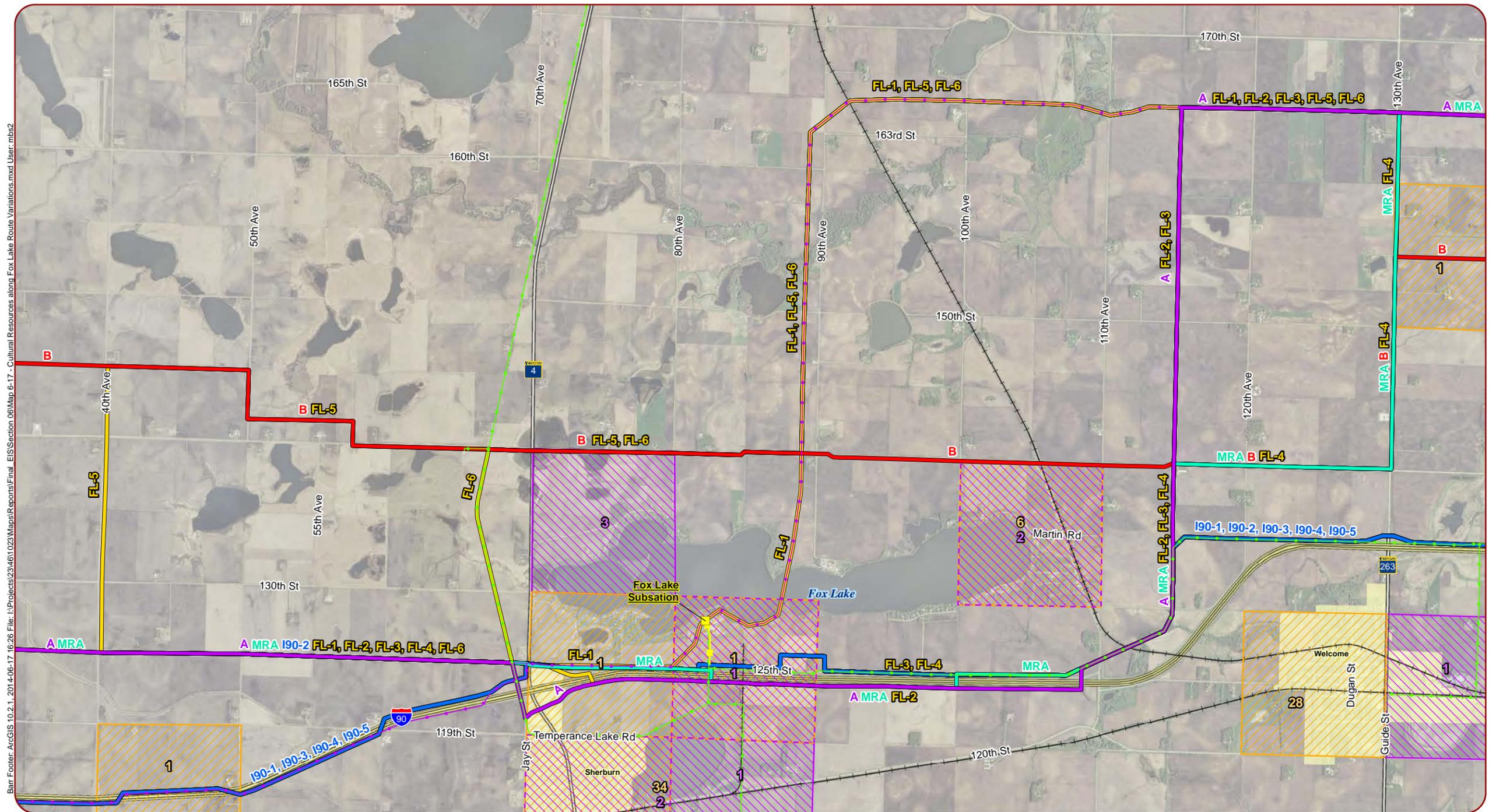
- Existing Transmission Lines**
- Existing 69 kV Line
 - Existing 161 kV Line
- MPCA Database**
- Hazardous Waste
 - Tanks and Leaks
 - Multiple Activities
 - Municipal Boundary

- Residences within 100-200 Feet of Anticipated Alignment
- Residences within 200-500 Feet of Anticipated Alignment
- Aggregate Source Locations
- Churches within 100-200 Feet of Anticipated Alignment
- County Well Index
- Snowmobile Trail

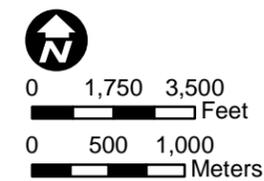
- Airstrip
 - Railroad
- Streets and Highways**
- Interstate Highway
 - State Highway
 - County State-Aid Highway
 - County Road
 - Local or Municipal Road

Note:
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-16
Human Settlement along Fox Lake Route Variations
Minnesota-Iowa 345 kV Transmission Project
ITC Midwest LLC



Barr Footer: ArcGIS 10.2.1, 2014-06-17 16:26 File: I:\Projects\23461023\Maps\Reports\Final_EIS\Section 06\Map 6-17 - Cultural Resources along Fox Lake Route Variations.mxd User: mbs2



For detailed maps refer to Appendix L.
Refer to Section 8 for information on data sources.

- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations

- Project Substations
- New 161 kV Single Circuit (Applies to all Fox Lake Removal Options)
- Existing Transmission Lines**
- Existing 69 kV Line
- Existing 161 kV Line

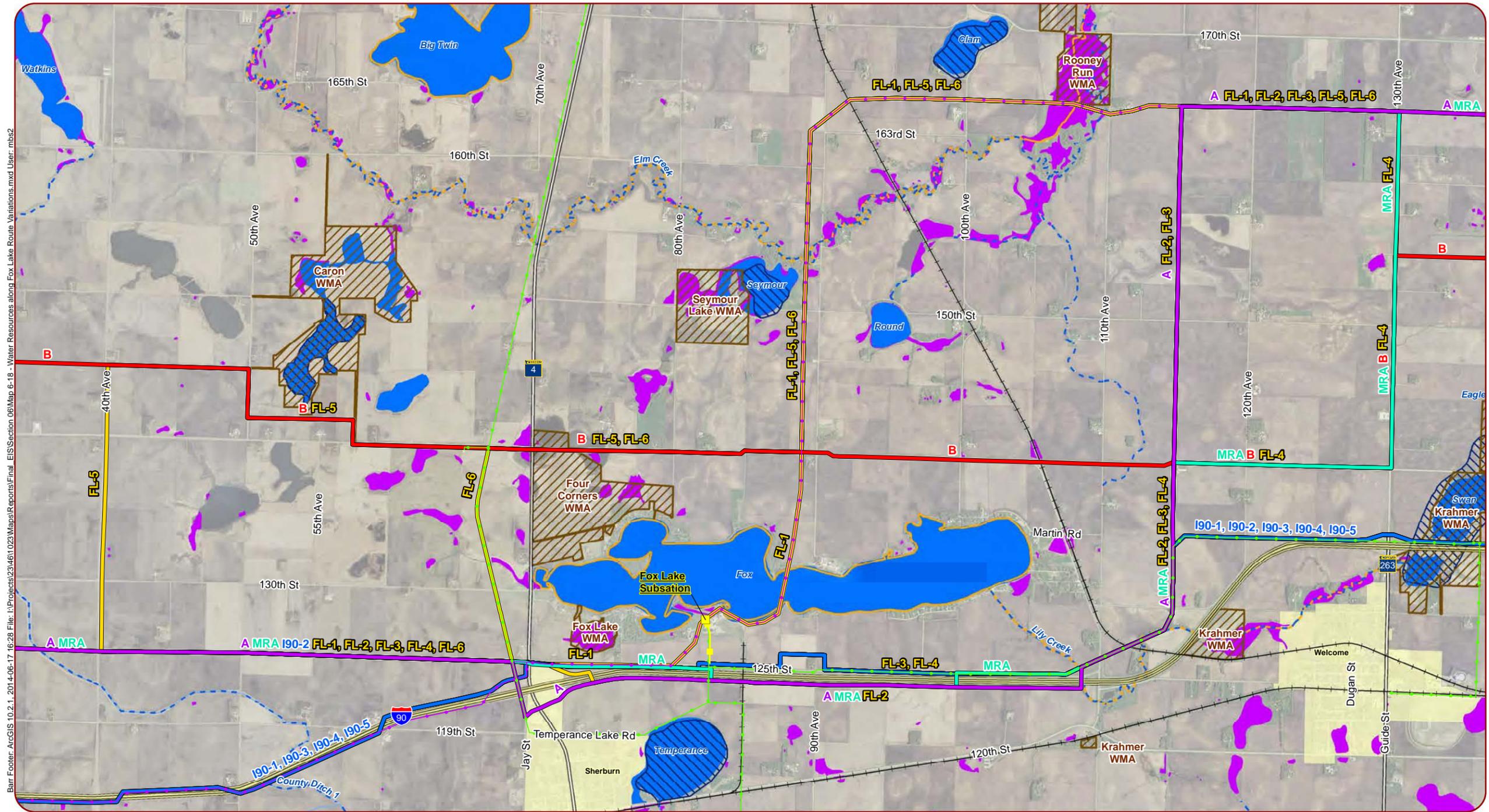
- Section Containing Historical Resource(s) (Labeled with Number of Features)
- Section Containing Archaeological Resource(s) (Labeled with Number of Features)

- Municipal Boundary

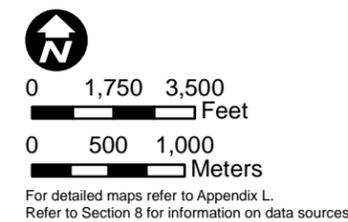
Note:
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-17

Cultural Resources along Fox Lake Route Variations
Minnesota-Iowa 345 kV
Transmission Project
ITC Midwest LLC



Barr Footer: ArcGIS 10.2.1, 2014-06-17 16:28 File: I:\Projects\23461\023\Maps\Reports\Final_EIS\Section 06\Map 6-18 - Water Resources along Fox Lake Route Variations.mxd User: mbsz

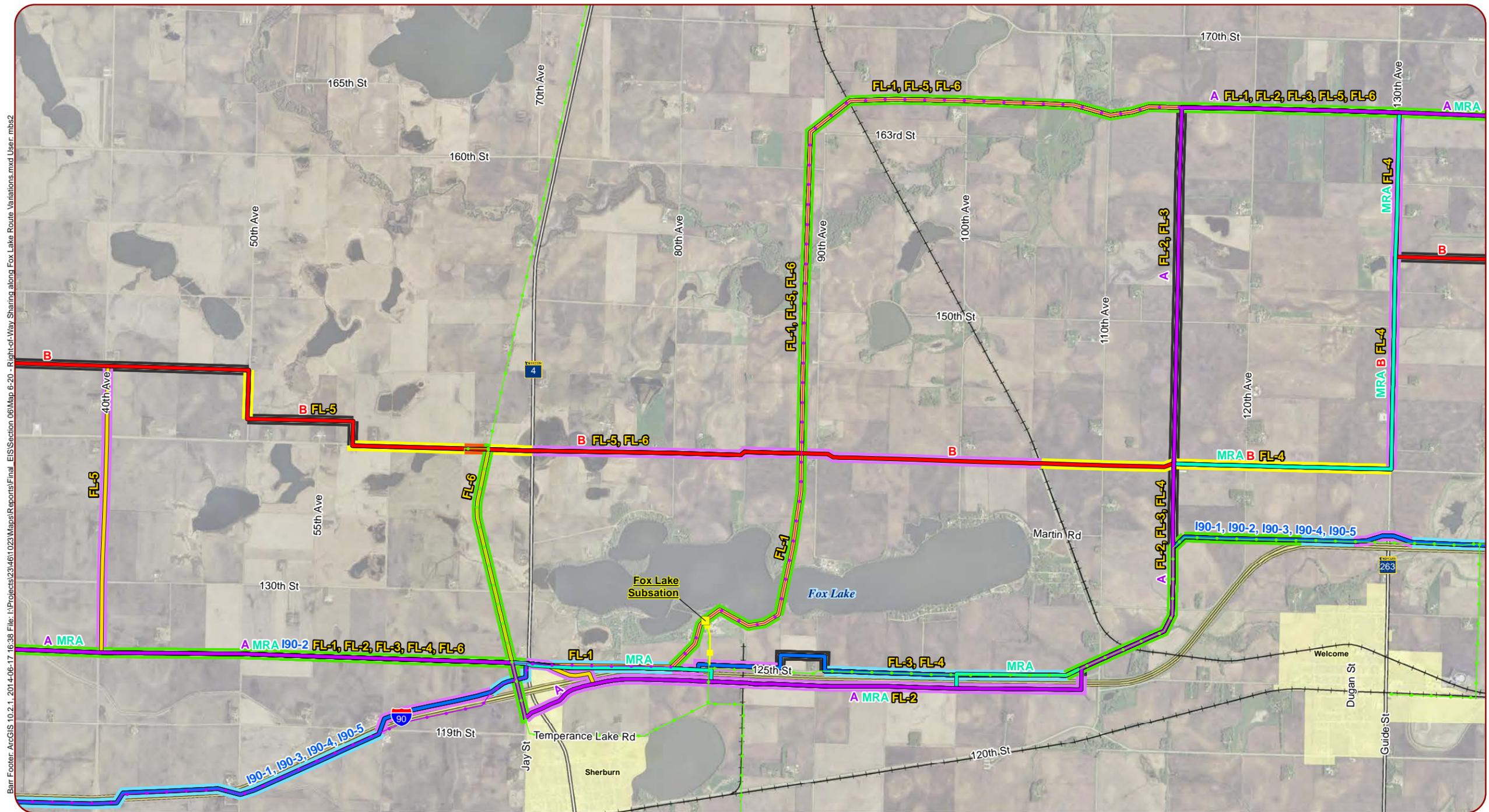


- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Project Substations
- New 161 kV Single Circuit (Applies to all Fox Lake Removal Options)
- Existing Transmission Lines**
- Existing 69 kV Line
- Existing 161 kV Line
- Impaired Streams
- Public Water Inventory Watercourse
- NHD Flowlines
- Shallow Lakes
- Impaired Lakes
- Public Waters Inventory (Basins)
- NHD Waterbodies
- Wetlands (NWI)
- ▨ State Wildlife Management Area
- ▨ Municipal Boundary

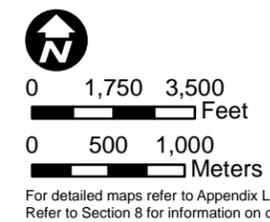
Note:
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-18

Water Resources along Fox Lake Route Variations
Minnesota-Iowa 345 kV Transmission Project
ITC Midwest LLC



Barr Footer: ArcGIS 10.2.1, 2014-06-17 16:38 File: I:\Projects\23461\023\Maps\Reports\Final_EIS\Section 06\Map 6-20 - Right-of-Way Sharing along Fox Lake Route Variations.mxd User: mbs2



- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations

- Project Substations
- New 161 kV Single Circuit (Applies to all Fox Lake Removal Options)
- Existing Transmission Lines**
- Existing 69 kV Line
- Existing 161 kV Line

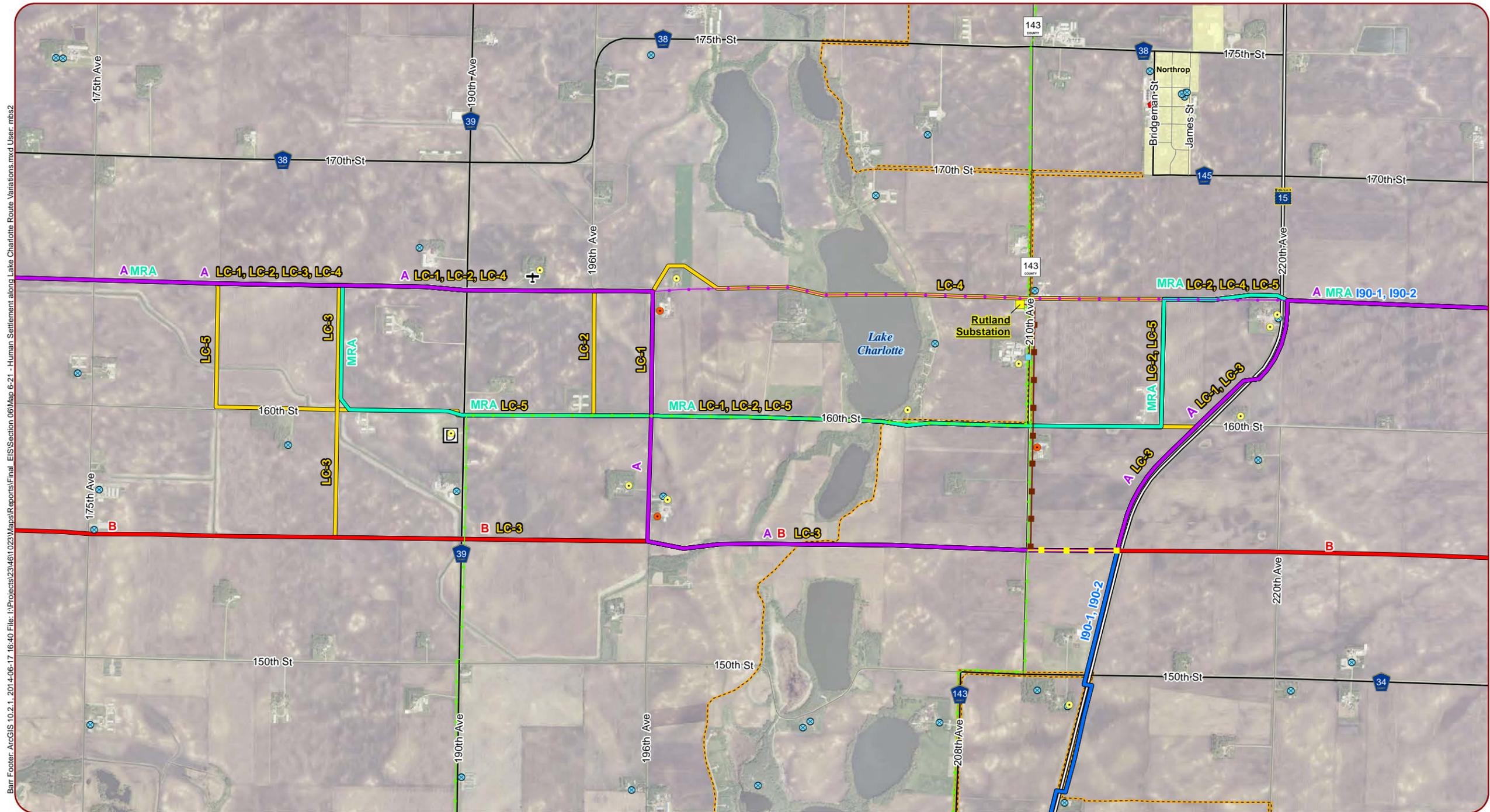
- Right-of-Way Sharing**
- Existing Transmission Line
- Highway*
- Other Road
- Existing Transmission Line & Major Highway
- Existing Transmission Line & Other Road
- No Sharing with Existing Infrastructure

- + Municipal Boundary

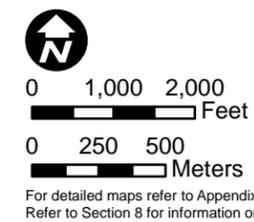
Note:
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-20
Right-of-Way Sharing along Fox Lake Route Variations
Minnesota-Iowa 345 kV Transmission Project
ITC Midwest LLC

* Includes Interstate Highways, US Highways, State Trunk Highways and County State-Aid Highways



Barr Footer: ArcGIS 10.2.1, 2014-06-17 16:40 File: I:\Projects\23461\023\Maps\Reports\Final_EIS\Section 06\Map 6-21 - Human Settlement along Lake Charlotte Route Variations.mxd User: mbs2



For detailed maps refer to Appendix L. Refer to Section 8 for information on data sources.

- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Project Substations
- Existing Transmission Lines**
- Existing 69 kV Line
- Existing 161 kV Line

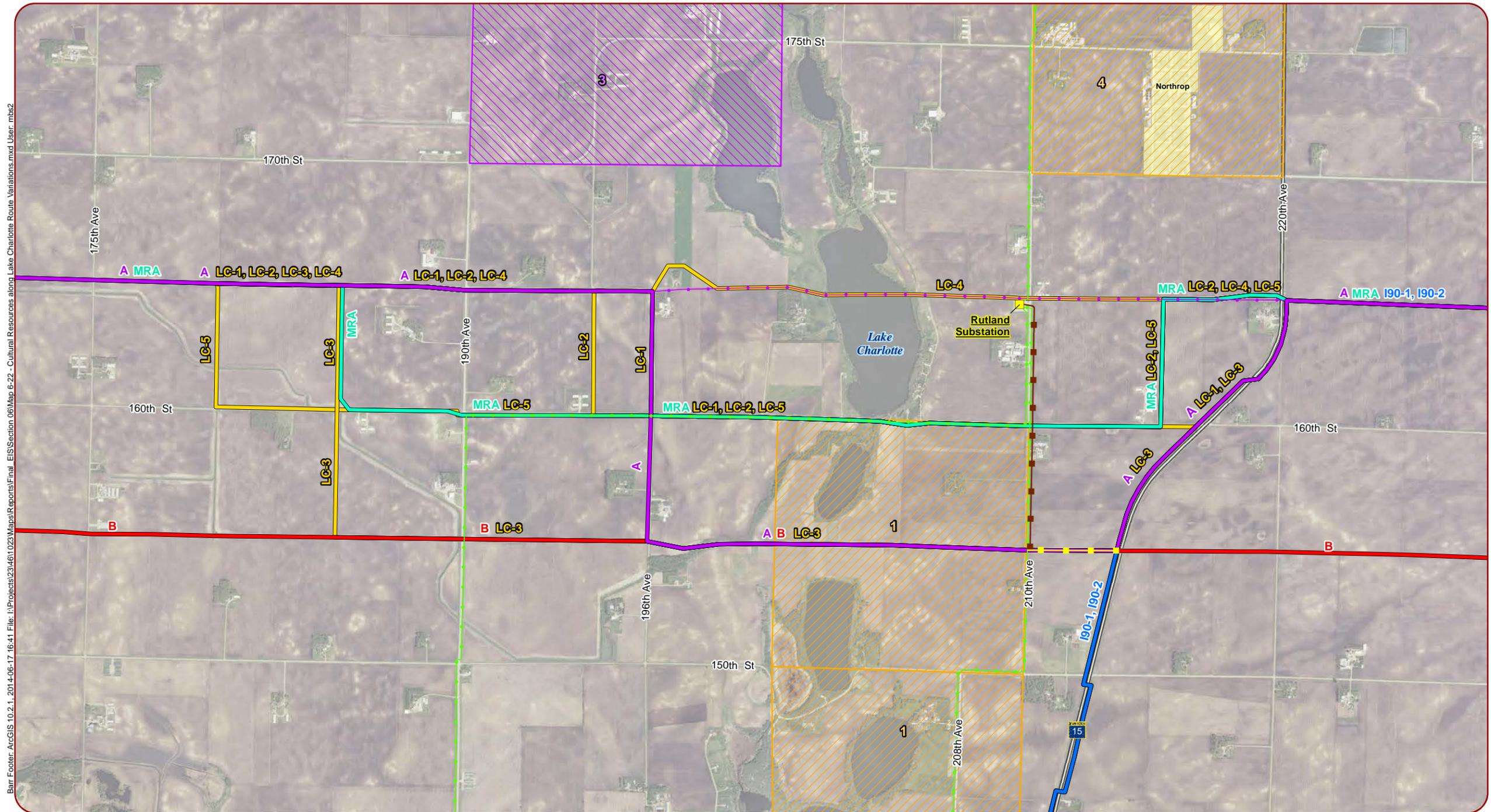
- Removal Option from Lake Charlotte**
- New Double-Circuit 69/161kV if southern Route Variation is used
- New Double-Circuit 69/161kV if northern (160th St) Route Variation is used
- Removal Option from Fox Lake and Lake Charlotte**
- New 161kV Single Circuit
- New Double Circuit 69/161kV

- Residences within 100-200 Feet of Anticipated Alignment
- Residences within 200-500 Feet of Anticipated Alignment
- Daycares
- County Well Index
- MPCA Database**
- Hazardous Waste
- Tanks and Leaks

- Airstrip
- Snowmobile Trail
- Municipal Boundary
- Streets and Highways**
- State Highway
- County State-Aid Highway
- County Road
- Local or Municipal Road

Note:
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-21
**Human Settlement
along Lake Charlotte
Route Variations**
Minnesota-Iowa 345 kV
Transmission Project
ITC Midwest LLC



Barr Footer: ArcGIS 10.2.1, 2014-06-17 16:41 File: I:\Projects\23461\023\Maps\Reports\Final_EIS\Section 06\Map 6-22 - Cultural Resources along Lake Charlotte Route Variations.mxd User: mbs2



0 1,000 2,000
Feet

0 250 500
Meters

For detailed maps refer to Appendix L.
Refer to Section 8 for information on data sources.

- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Project Substations
- Municipal Boundary

Existing Transmission Lines

- Existing 69 kV Line
- Existing 161 kV Line
- Existing 345 kV Line

Removal Option from Lake Charlotte

- New Double-Circuit 69/161kV if southern Route Variation is used
- New Double-Circuit 69/161kV if northern (160th St) Route Variation is used

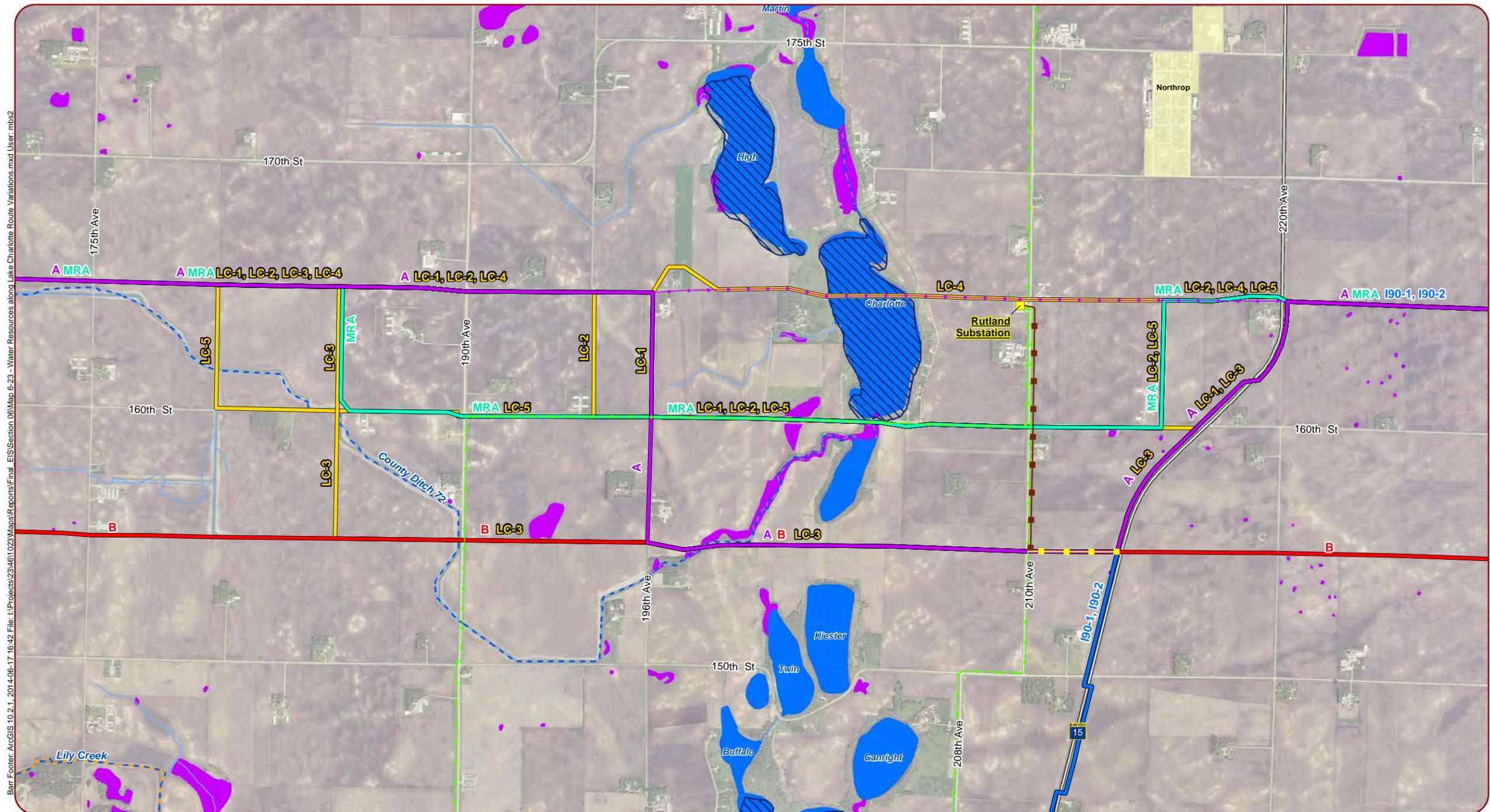
Removal Option from Fox Lake and Lake Charlotte

- New 161kV Single Circuit
- New Double Circuit 69/161kV
- Section Containing
 Historical Resource(s)
(Labeled with Number of Features)
- Section Containing
 Archaeological Resource(s)
(Labeled with Number of Features)

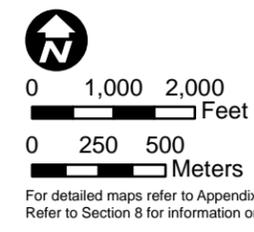
Note:
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-22

Cultural Resources along Lake Charlotte Route Variations
Minnesota-Iowa 345 kV
Transmission Project
ITC Midwest LLC



Barr Footer: ArcGIS 10.2.1, 2014-06-17 16:42 File: I:\Projects\23461023\Maps\Reports\Final_EIS\Section 06\Map 6-23 - Water Resources along Lake Charlotte Route Variations.mxd User: mbs2

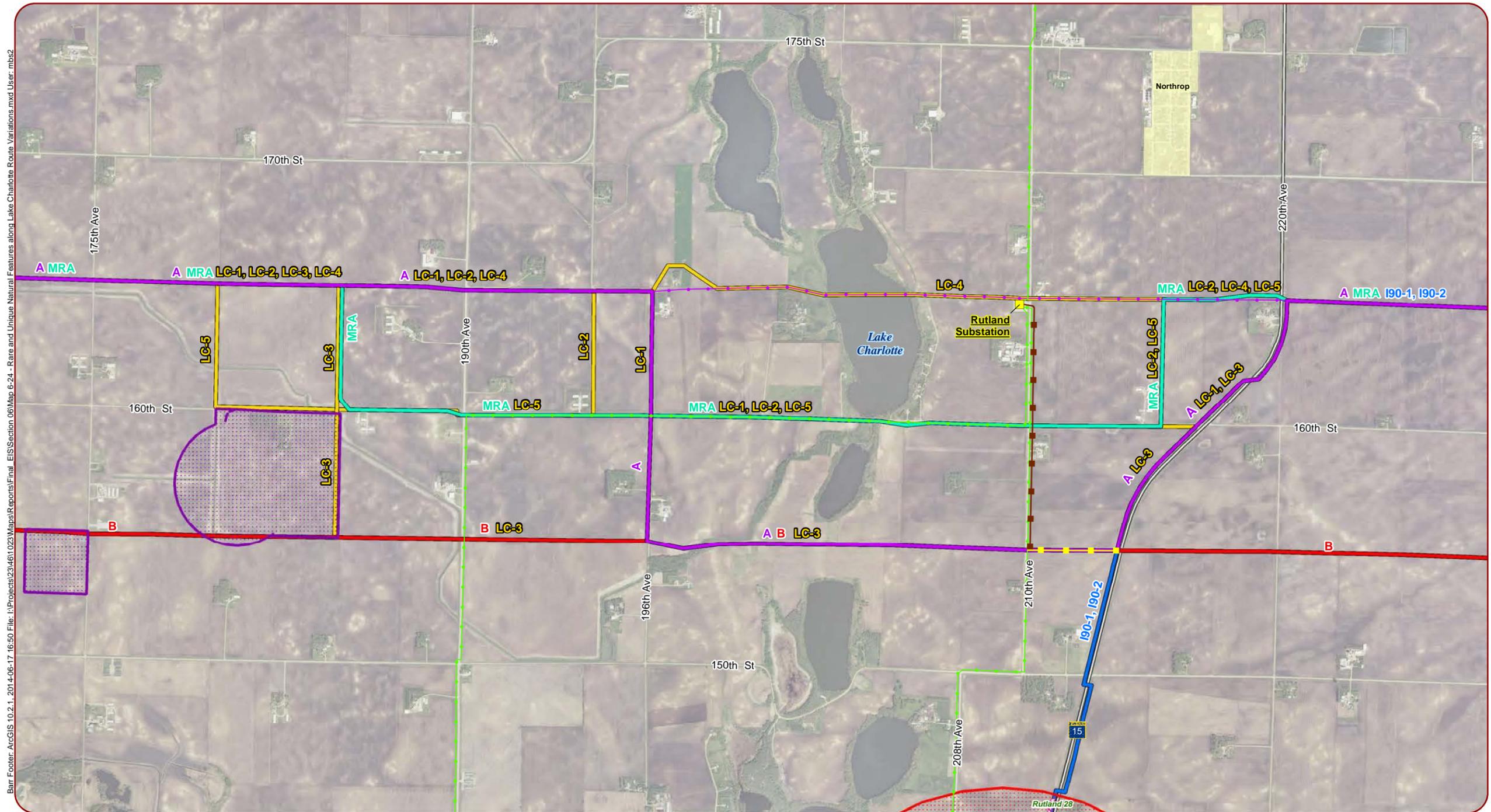


For detailed maps refer to Appendix L.
Refer to Section 8 for information on data sources.

- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Project Substations
- Existing 69 kV Line
- Existing 161 kV Line
- Removal Option from Lake Charlotte
New Double-Circuit 69/161kV if southern Route Variation is used
- Removal Option from Fox Lake and Lake Charlotte
New Double-Circuit 69/161kV if northern (160th St) Route Variation is used
- New 161kV Single Circuit
- New Double Circuit 69/161kV
- Impaired Streams
- - - Public Water Inventory Watercourse
- NHD Flowlines
- Shallow Lakes
- Public Waters Inventory (Basins)
- NHD Waterbodies
- Wetlands (NWI)
- Municipal Boundary

Note:
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-23
Water Resources along Lake Charlotte Route Variations
Minnesota-Iowa 345 kV
Transmission Project
ITC Midwest LLC



Barr Footer: ArcGIS 10.2.1, 2014-06-17 16:50 File: I:\Projects\23461\023\Maps\Reports\Final_EIS\Section 06\Map 6-24 - Rare and Unique Natural Features along Lake Charlotte Route Variations.mxd User: mbs2



0 1,000 2,000
Feet

0 250 500
Meters

For detailed maps refer to Appendix L.
Refer to Section 8 for information on data sources.

- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Project Substations
- Existing Transmission Lines**
- Existing 69 kV Line
- Existing 161 kV Line

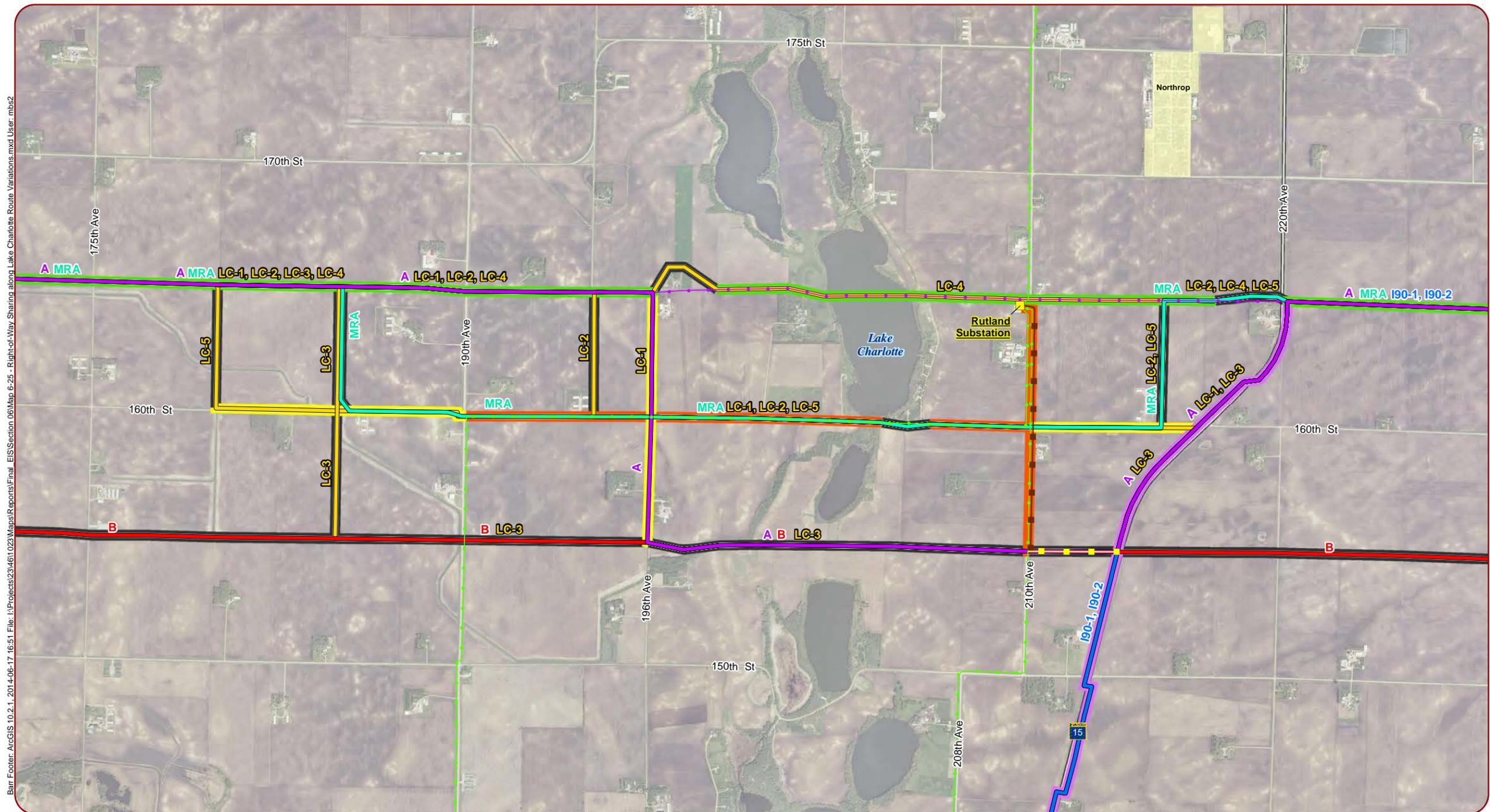
- Removal Option from Lake Charlotte**
- New Double-Circuit 69/161kV if southern Route Variation is used
- New Double-Circuit 69/161kV if northern (160th St) Route Variation is used
- Removal Option from Fox Lake and Lake Charlotte**
- New 161kV Single Circuit
- New Double Circuit 69/161kV

- MBS Native Plant Communities
- MBS Sites of Biodiversity Significance**
- Moderate
- NHIS Rare Natural Features**
- Vertebrate Animal
- Vascular Plant
- Municipal Boundary

Note:
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-24

**Rare and Unique Natural Features
along Lake Charlotte Route Variations**
Minnesota-Iowa 345 kV
Transmission Project
ITC Midwest LLC



Barr Footer: ArcGIS 10.2.1, 2014-06-17 16:51 File: I:\Projects\231461\023\Maps\Reports\Final_EIS\Section 06\Map 6-25 - Right-of-Way Sharing along Lake Charlotte Route Variations.mxd User: mbs2



0 1,000 2,000 Feet

0 250 500 Meters

For detailed maps refer to Appendix L. Refer to Section 8 for information on data sources.

- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Project Substations
- Existing Transmission Lines**
- Existing 69 kV Line
- Existing 161 kV Line

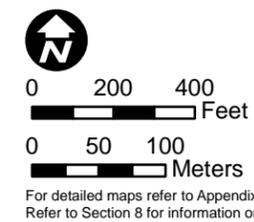
- Removal Option from Lake Charlotte**
- New Double-Circuit 69/161kV if southern Route Variation is used
- New Double-Circuit 69/161kV if northern (160th St) Route Variation is used
- Removal Option from Fox Lake and Lake Charlotte**
- New 161kV Single Circuit
- New Double Circuit 69/161kV

- Municipal Boundary
 - Right-of-Way Sharing**
 - Existing Transmission Line
 - Highway*
 - Other Road
 - Existing Transmission Line & Other Road
 - No Sharing with Existing Infrastructure
- * Includes Interstate Highways, US Highways, State Trunk Highways and County State-Aid Highways

Note:
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-25

Right-of-Way Sharing along Lake Charlotte Route Variations
Minnesota-Iowa 345 kV Transmission Project
ITC Midwest LLC

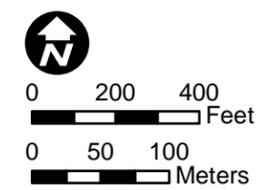


For detailed maps refer to Appendix L.
Refer to Section 8 for information on data sources.

- Route B
- Route Variations
- Residences within 200-500 Feet of Anticipated Alignment
- Tanks and Leaks
- MPCA Database**
- Streets and Highways**
- County Road
- Local or Municipal Road
- Railroad
- Snowmobile Trail
- Municipal Boundary

Note:
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-26
**Human Settlement along
Center Creek WMA Route Variations**
Minnesota-Iowa 345 kV
Transmission Project
ITC Midwest LLC



For detailed maps refer to Appendix L.
Refer to Section 8 for information on data sources.

- Route B
- Route Variations
- Section Containing Historical Resource(s) (Labeled with Number of Features)
- Section Containing Archaeological Resource(s) (Labeled with Number of Features)
- Municipal Boundary

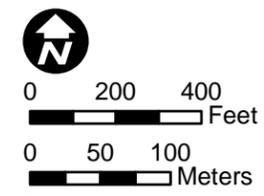
Note:
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-27

Cultural Resources along Center Creek WMA Route Variations
Minnesota-Iowa 345 kV
Transmission Project
ITC Midwest LLC



Barr Footer: ArcGIS 10.2.1, 2014-06-17 16:54 File: I:\Projects\2346\1023\Maps\Reports\Final_EIS\Section 06\Map 6-28 - Water Resources along Center Creek WMA Route Variations.mxd User: mbs2



For detailed maps refer to Appendix L.
Refer to Section 8 for information on data sources.

- ↖ Route B
- ↖ Route Variations
- █ Wetlands (NWI)
- █ State Wildlife Management Area
- █ Municipal Boundary

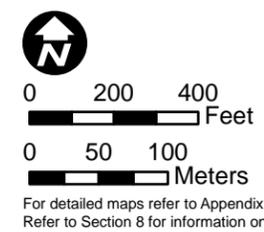
Note:
This map only depicts proposed alignments.
ITC Midwest will be issued a route permit
with a specific route width. The proposed
route widths are shown in Appendix L.

Map 6-28

**Water Resources along Center
Creek WMA Route Variations**
Minnesota-Iowa 345 kV
Transmission Project
ITC Midwest LLC



Barr Footer: ArcGIS 10.2.1, 2014-06-17 16:56 File: I:\Projects\23461023\Maps\Reports\Final EIS\Section 06\Map 6-29 - Rare and Unique Natural Features along Center Creek WMA Route Variations.mxd User: mbs2

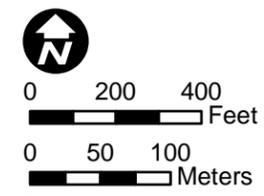


- Route B
- Route Variations
- NHS Rare Natural Features
- Vascular Plant
- MBS Native Plant Communities
- MBS Sites of Biodiversity Significance
- Moderate
- Outstanding
- Municipal Boundary

Note:
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-29

**Rare and Unique Natural Features
along Center Creek WMA Route Variations**
Minnesota-Iowa 345 kV
Transmission Project
ITC Midwest LLC



For detailed maps refer to Appendix L.
Refer to Section 8 for information on data sources.

- Route B
- Route Variations
- Right-of-Way Sharing**
- Other Road
- No Sharing with Existing Infrastructure
- Municipal Boundary

Note:
This map only depicts proposed alignments.
ITC Midwest will be issued a route permit
with a specific route width. The proposed
route widths are shown in Appendix L.

Map 6-30

**Right-of-Way Sharing along Center
Creek WMA Route Variations**
Minnesota-Iowa 345 kV
Transmission Project
ITC Midwest LLC