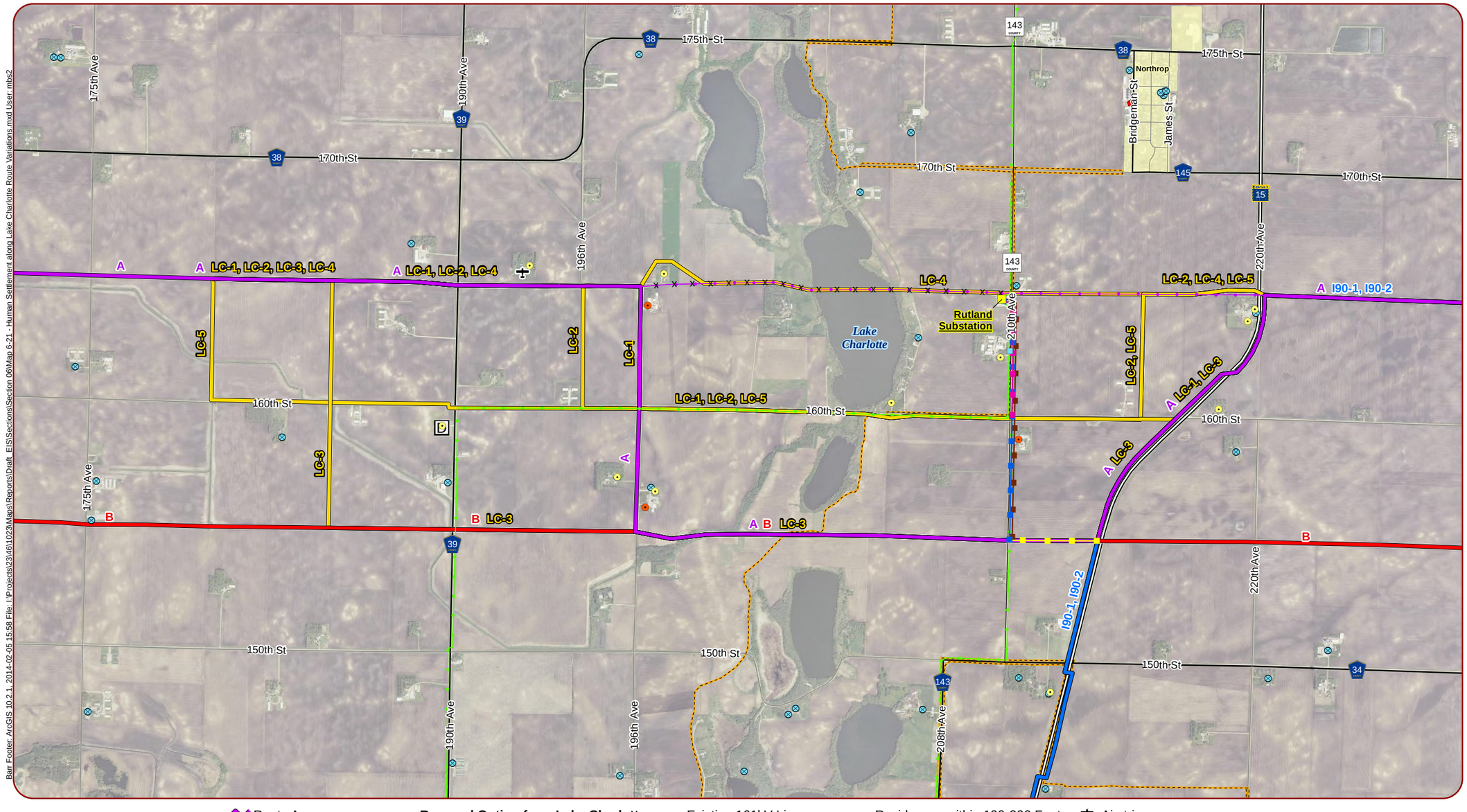

0 1,000 2,000 Feet
0 250 500 Meters

For detailed maps refer to Appendix A.
Refer to Appendix B for information on data sources.

- Route A
- 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

Existing 161kV Line to be Removed *(Western extent of removal dependent upon route variation chosen)*

- 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

Map 6-21

Human Settlement along Lake Charlotte Route Variations

Minnesota-Iowa 345 kV Transmission Project
ITC Midwest LLC

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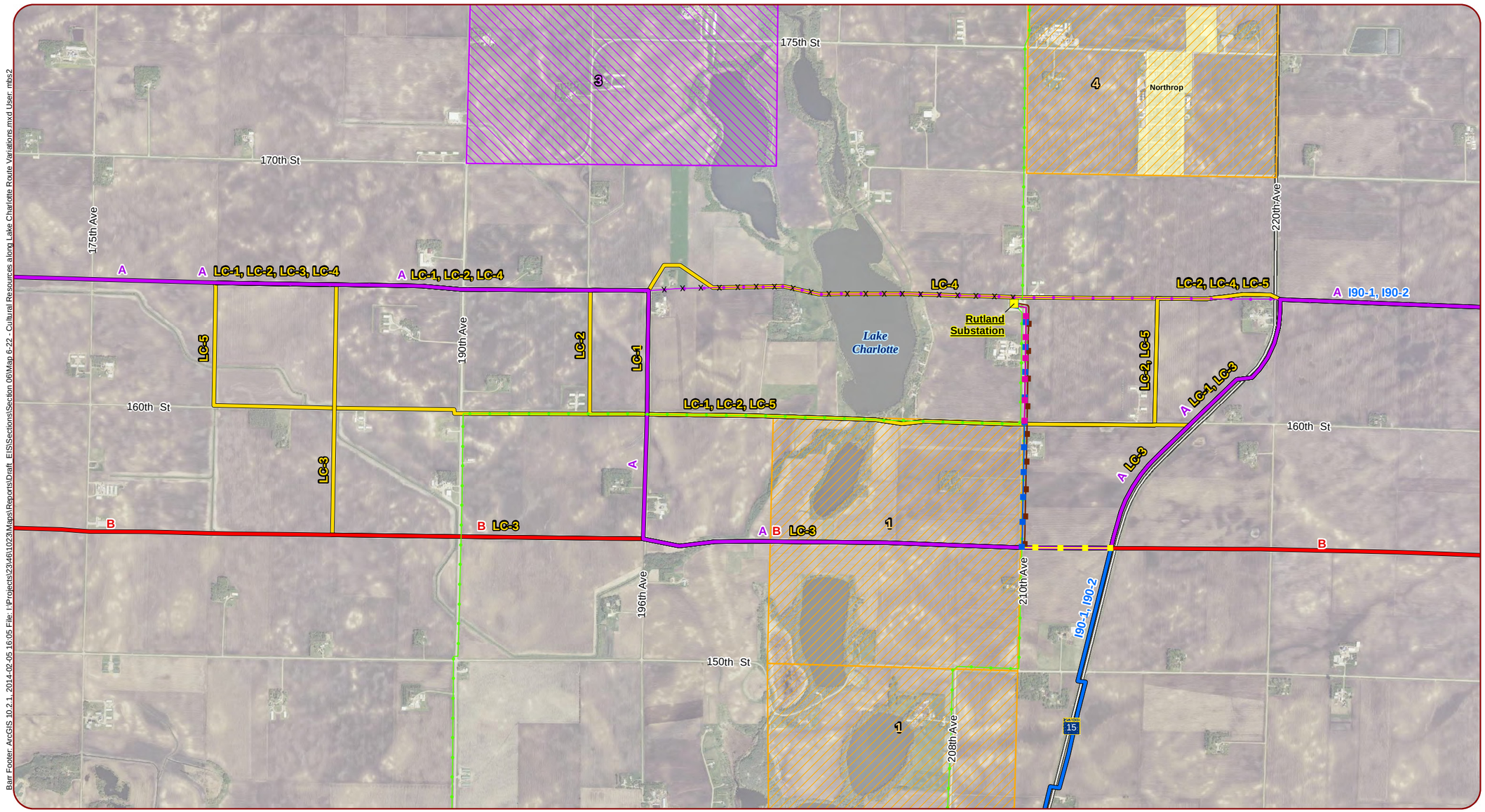
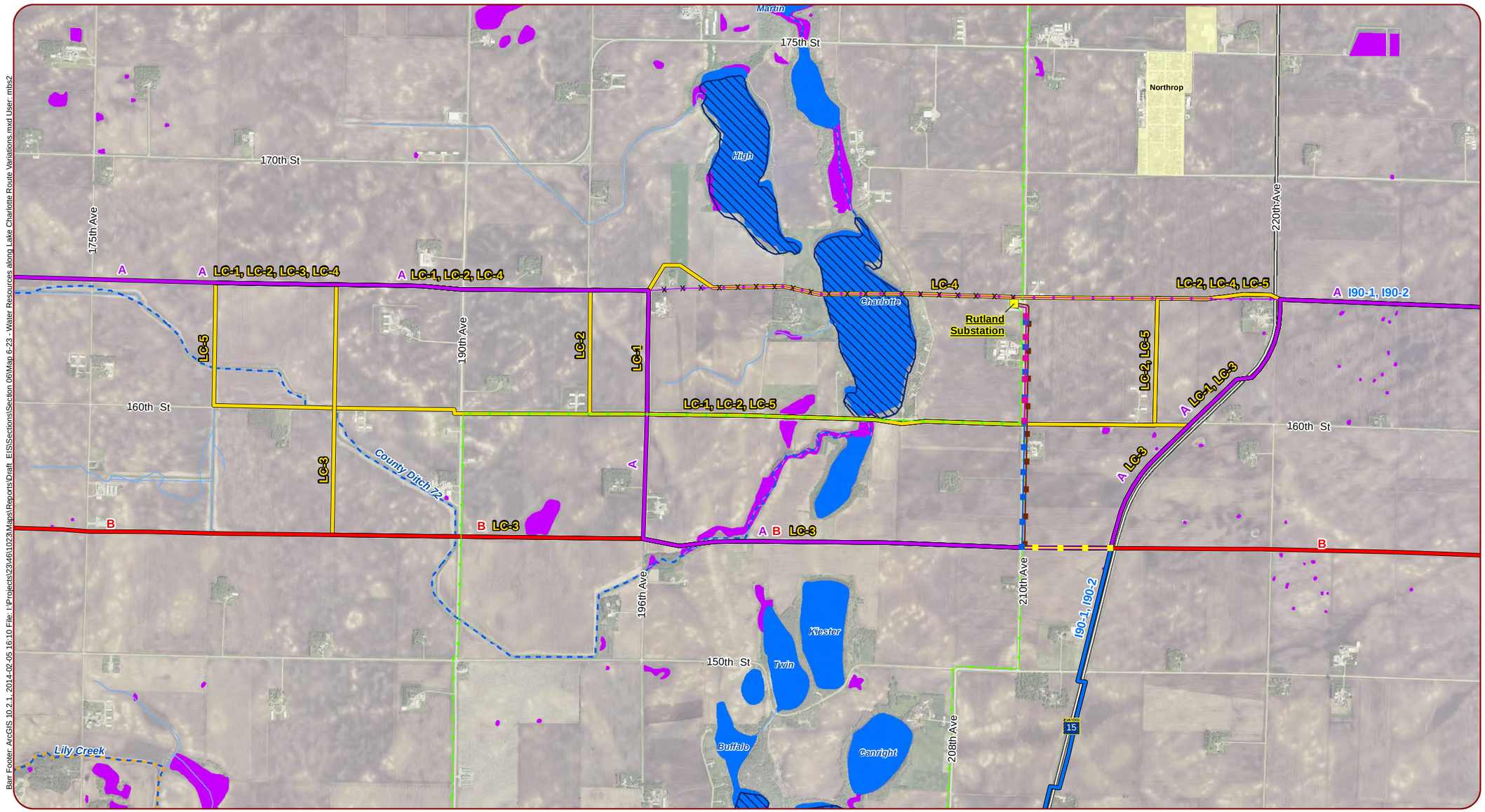


Map 6-22

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



0 1,000 2,000 Feet

0 250 500 Meters

For detailed maps refer to Appendix A.
Refer to Appendix B for information on data sources.

- Route A
- Route B
- I90 Route Alternatives
- Route Variations

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

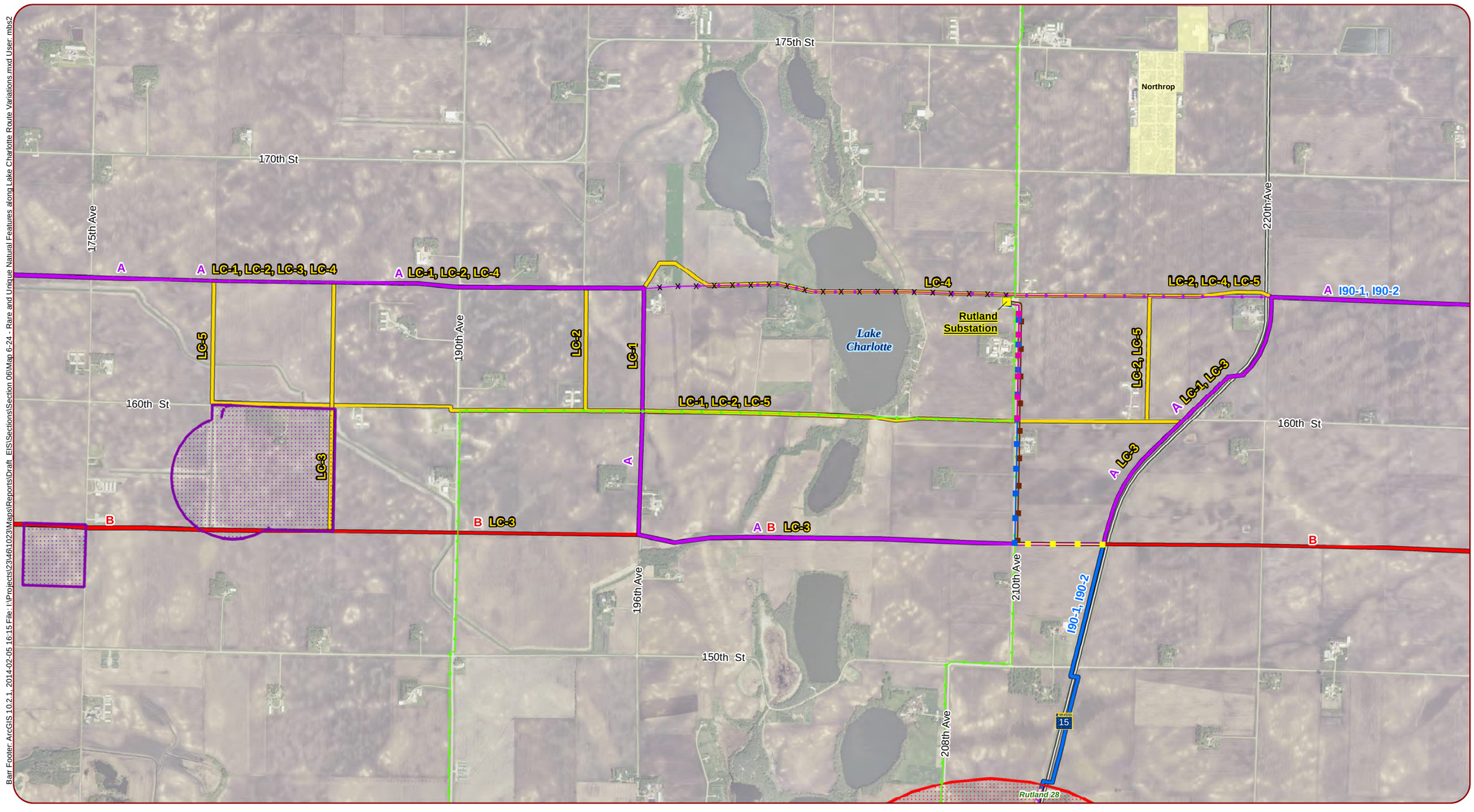
- New 161kV Single Circuit
- New Double Circuit 69/161kV

- Project Substations
- Existing 161kV Line to be Removed *(Western extent of removal dependent upon route variation chosen)*

- Impaired Streams
- Public Water Inventory Watercourse
- NHD Flowlines
- Shallow Lakes
- Public Waters Inventory (Basins)
- NHD Waterbodies
- Wetlands (NWI)
- Municipal Boundary

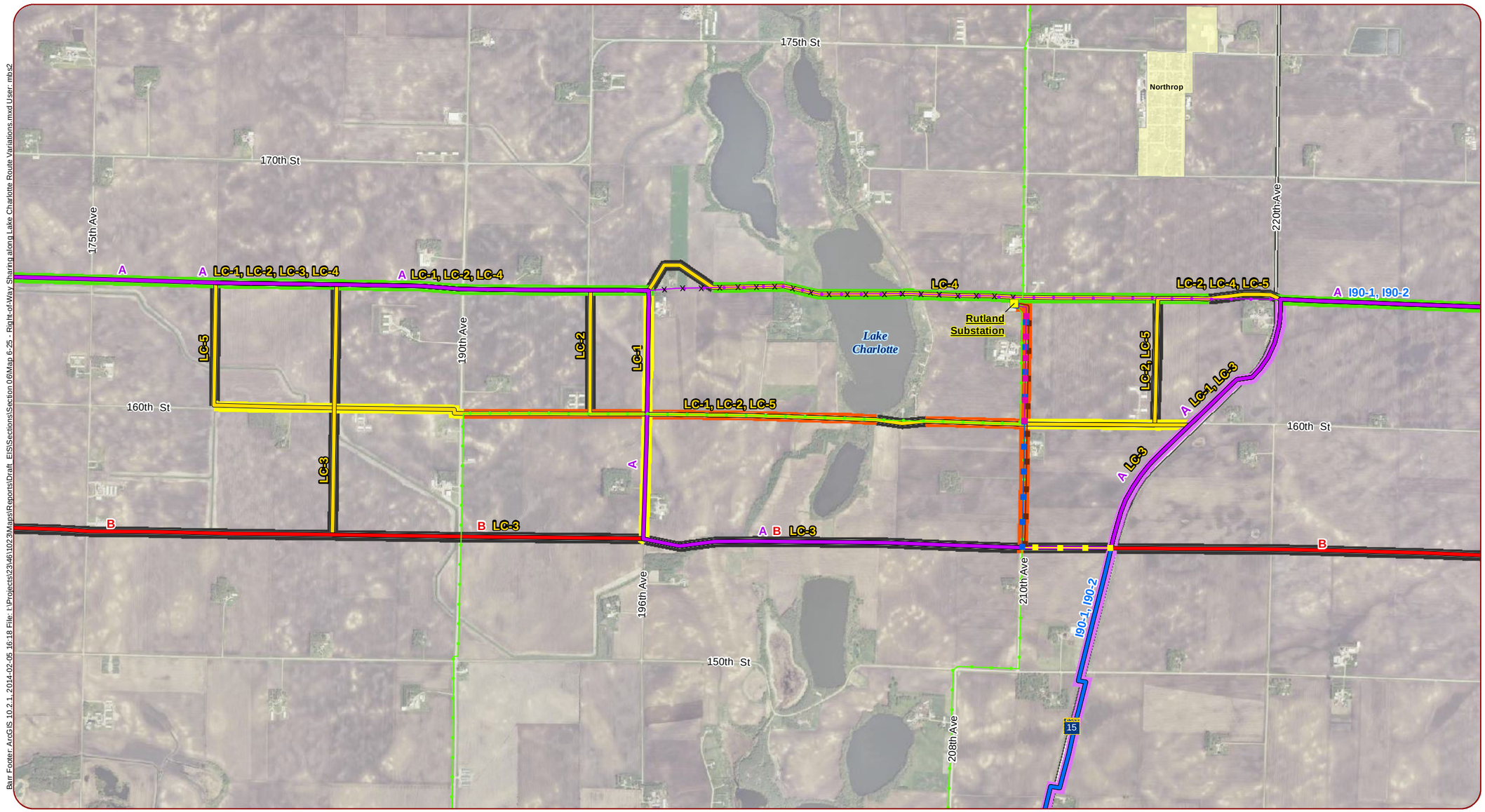
Map 6-23

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



Map 6-24

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



0 1,000 2,000 Feet

0 250 500 Meters

For detailed maps refer to Appendix A.
Refer to Appendix B for information on data sources.

- Route A
- 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

+ + Existing 161kV Line to be Removed *(Western extent of removal dependent upon route variation chosen)*

- Municipal Boundary

Right-of-Way Sharing

- Existing Transmission Line
- Highway
- Other Road
- Existing Transmission Line & Other Road
- No Sharing with Existing Infrastructure

Map 6-25

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

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0 200 400 Feet

0 50 100 Meters

For detailed maps refer to Appendix A.
Refer to Appendix B for information on data sources.

Route B
Route Variations

Residences within 200-500 Feet of Anticipated Alignment

MPCA Database
Tanks and Leaks

Streets and Highways
County Road
Local or Municipal Road
Railroad
Snowmobile Trail
Municipal Boundary

Map 6-26

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

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0 200 400 Feet

0 50 100 Meters

For detailed maps refer to Appendix A.
Refer to Appendix B 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

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, 2014-02-05 16:22 File: I:\Projects\23\46\1023\Maps\Reports\Draft_EIS\Sections\Section 06\Map 6-28 - Water Resources along Center Creek WMA Route Variations.mxd User: mbs2

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

0 200 400 Feet
0 50 100 Meters

For detailed maps refer to Appendix A.
Refer to Appendix B for information on data sources.

Map 6-28

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

0 200 400 Feet

0 50 100 Meters

For detailed maps refer to Appendix A.
Refer to Appendix B for information on data sources.

Route B
Route Variations

NHIS Rare Natural Features
Community
Vascular Plant

Native Plant Communities

Sites of Biodiversity Significance
Moderate
Outstanding

Municipal Boundary

Map 6-29

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

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0 200 400 Feet

0 50 100 Meters

For detailed maps refer to Appendix A.
Refer to Appendix B for information on data sources.

Route B
Route Variations

Right-of-Way Sharing
Other Road
No Sharing with Existing Infrastructure

Municipal Boundary

Map 6-30

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