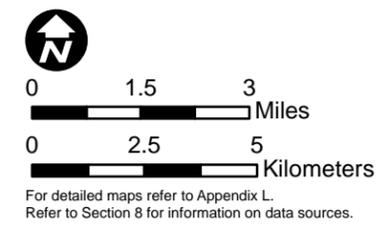


Barr Footer: ArcGIS 10.2.1, 2014-06-17 14:45 File: L:\Projects\23461\023\Maps\Reports\Final\_EIS\Section 06\Map 6-1 - Human Settlement Overview (West).mxd User: mbs2

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.



- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Project Substations
- New Transmission Line For Associated Facilities or Lake Removal

- Existing Transmission Lines**
- Existing 69 kV Line
  - Existing 161 kV Line
  - Existing 345 kV Line
- MPCA Database**
- Hazardous Waste
  - Tanks and Leaks
  - Multiple Activities

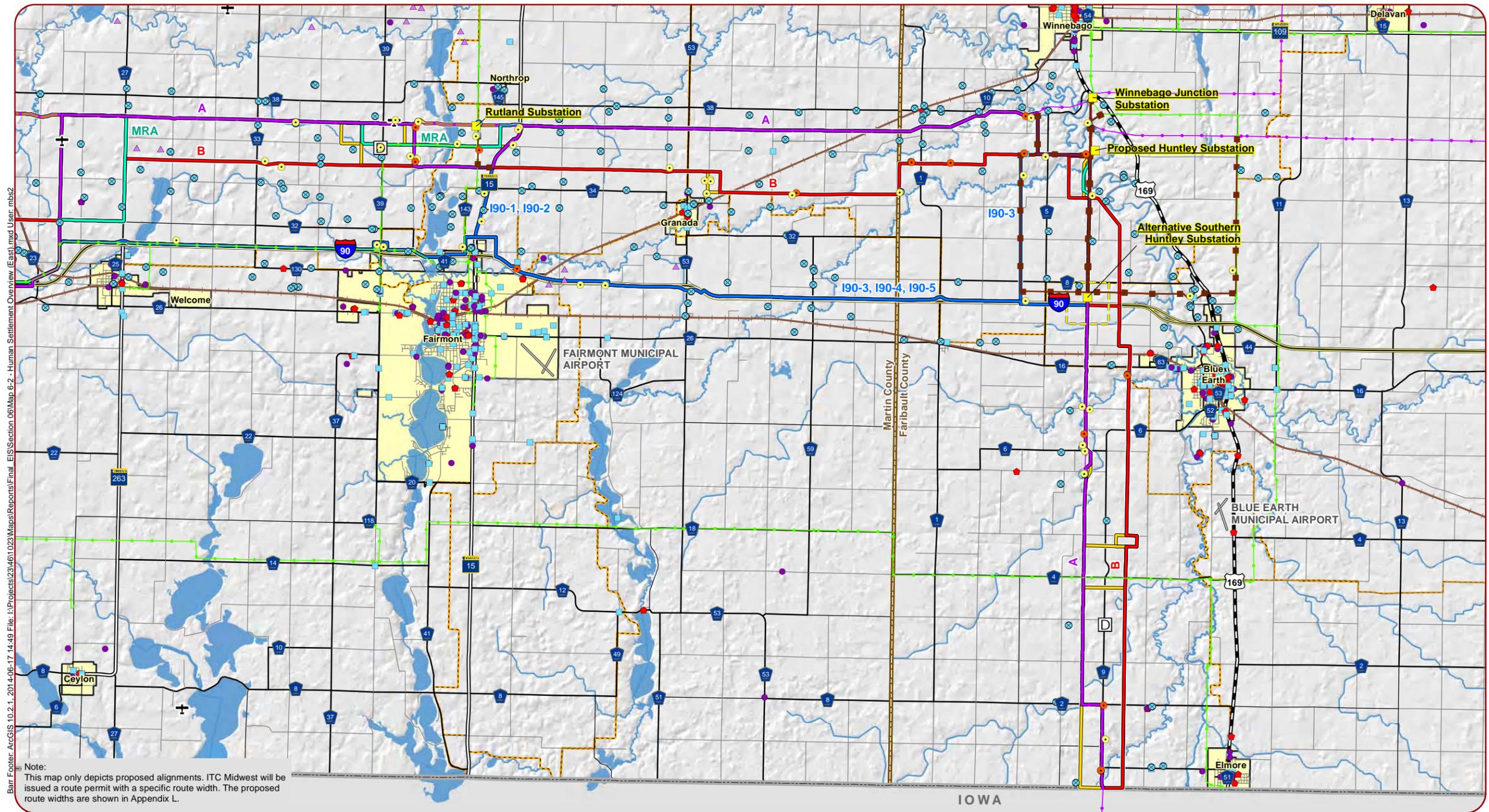
- Residences within 100-200 Feet of Anticipated Alignment
- Residences within 200-500 Feet of Anticipated Alignment
- ▲ Aggregate Source Locations
- Churches within 100-200 Feet of Anticipated Alignment
- Daycares
- County Well Index

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

- + Airstrip
- Railroad
- Snowmobile Trail
- Municipal Airport Runway
- Municipal Boundary
- County Boundary
- State Boundary

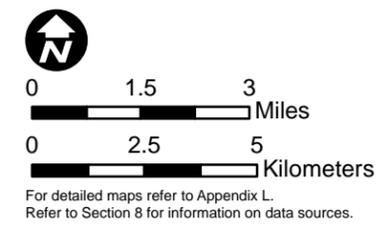
Map 6-1

**Human Settlement Overview (West)**  
 Minnesota-Iowa 345 kV Transmission Project  
 ITC Midwest LLC



Barr, Foster, ArcGIS 10.2.1, 2014-05-17 14:49 File: I:\Projects\23461\023\Maps\Reports\Final\_EIS\Section 06\Map 6-2 - Human Settlement Overview (East).mxd User: mbs2

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.



- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Project Substations
- Area of Potential Location for Alternative Southern Huntley Substation

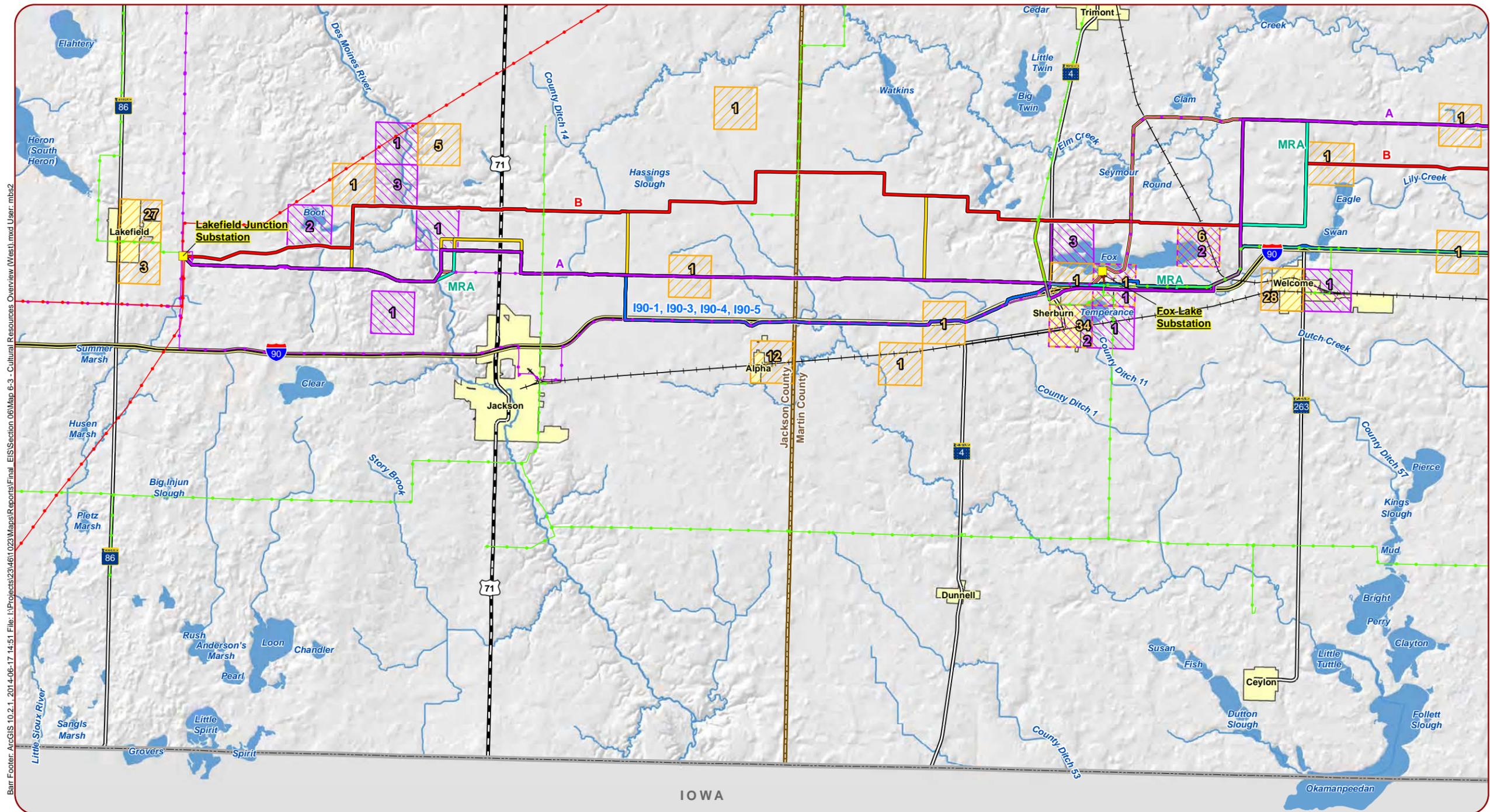
- New Transmission Line For Associated Facilities or Lake Removal
- Existing 69 kV Line
- Existing 161 kV Line
- Existing 345 kV Line

- Residences within 100-200 Feet of Anticipated Alignment
- Residences within 200-500 Feet of Anticipated Alignment
- Daycares
- MPCA Database**
- Hazardous Waste
- Tanks and Leaks
- Multiple Activities

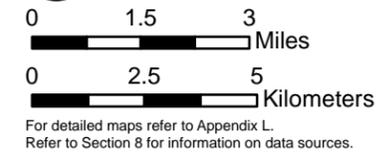
- Railroad
- Streets and Highways**
- Interstate Highway
- US Highway
- State Highway
- County State-Aid Highway
- County Road
- Local or Municipal Road

- + Airstrip
- ▲ Aggregate Source Locations
- County Well Index
- Snowmobile Trail
- Municipal Airport Runway
- Municipal Boundary
- County Boundary
- State Boundary

Map 6-2  
**Human Settlement Overview (East)**  
Minnesota-Iowa 345 kV  
Transmission Project  
ITC Midwest LLC



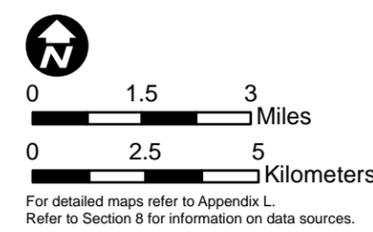
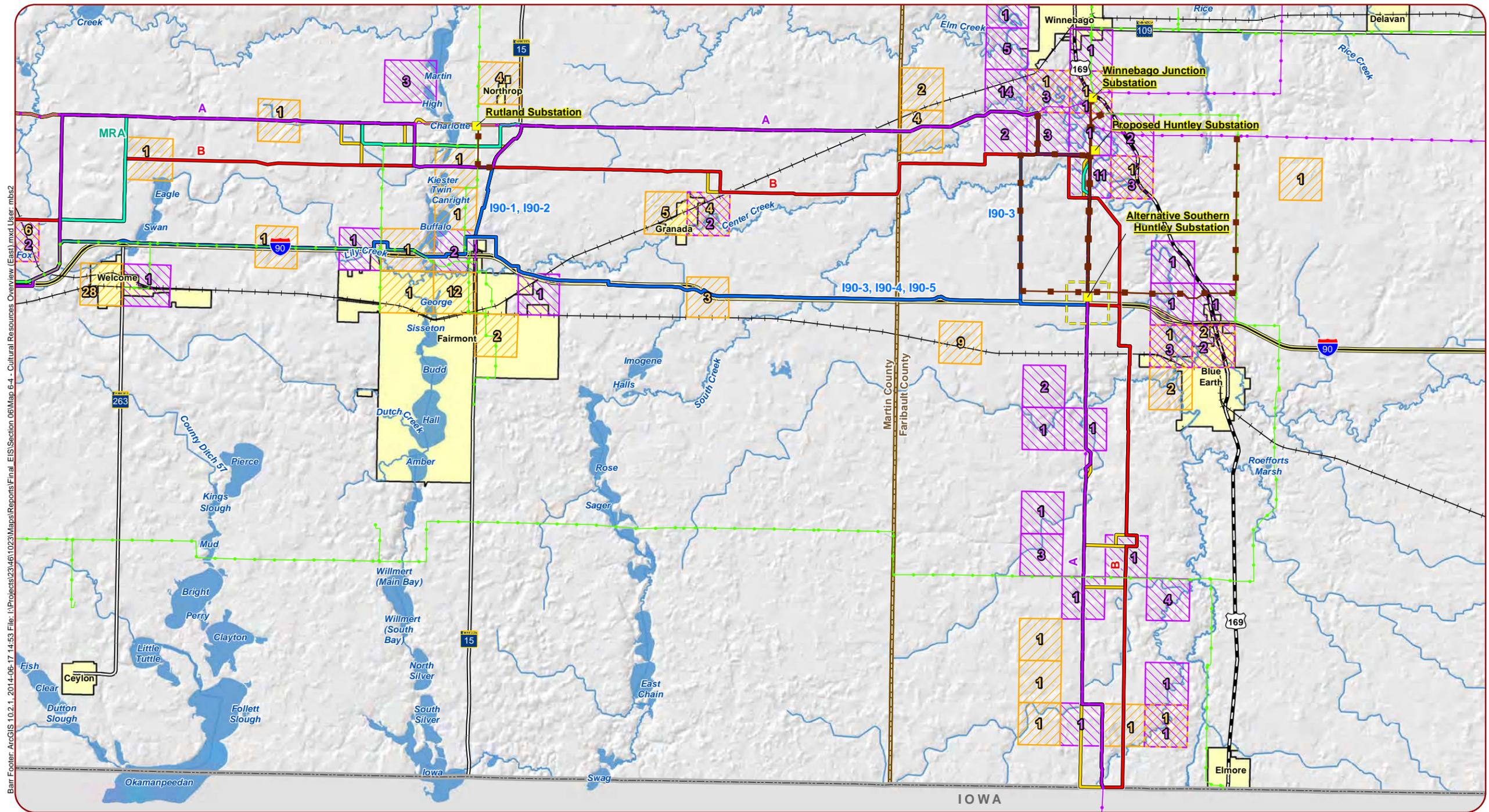
Barr Footer: ArcGIS 10.2.1, 2014-06-17 14:51 File: I:\Projects\23461\023\Maps\Reports\Final EIS\Section 06\Map 6-3 - Cultural Resources Overview (West).mxd User: mts2



- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Project Substations
- New Transmission Line For Associated Facilities or Lake Removal
- Existing 69 kV Line
- Existing 161 kV Line
- Existing 345 kV Line
- Section Containing Historical Resource(s) (Labeled with Number of Features)
- Section Containing Archaeological Resource(s) (Labeled with Number of Features)
- Municipal Boundary
- County Boundary
- State 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.

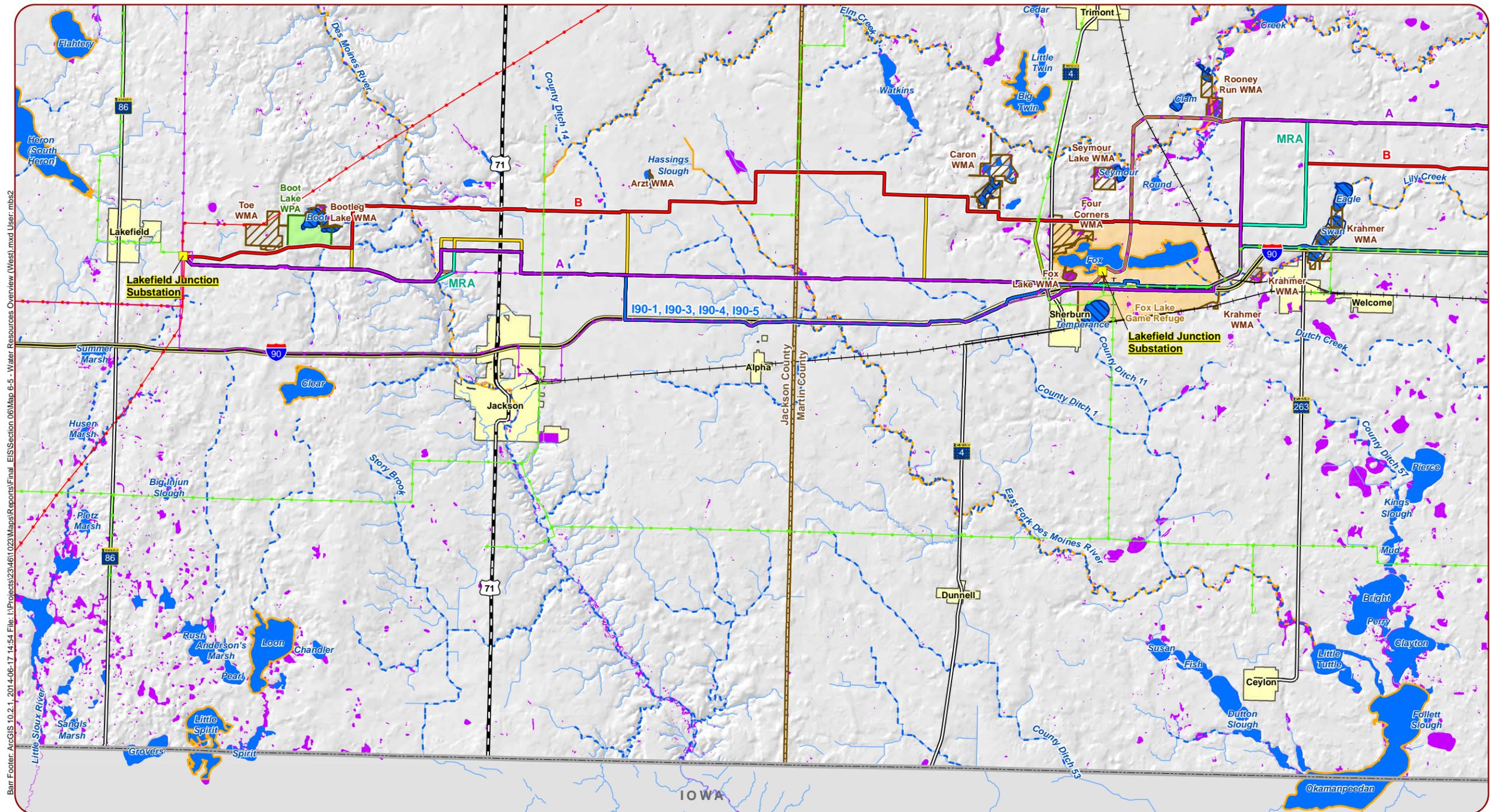
**Map 6-3**  
**Cultural Resources Overview (West)**  
 Minnesota-Iowa 345 kV  
 Transmission Project  
 ITC Midwest LLC



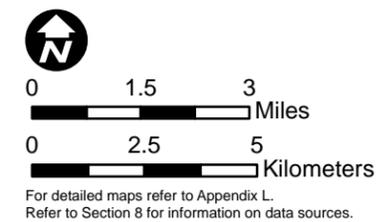
- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Project Substations
- Area of Potential Location for Alternative Southern Huntley Substation
- New Transmission Line For Associated Facilities or Lake Removal
- Existing 69 kV Line
- Existing 161 kV Line
- Existing 345 kV Line
- Section Containing Historical Resource(s) (Labeled with Number of Features)
- Section Containing Archaeological Resource(s) (Labeled with Number of Features)
- Municipal Boundary
- County Boundary
- State 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 6-4  
**Cultural Resources Overview (East)**  
Minnesota-Iowa 345 kV Transmission Project  
ITC Midwest LLC



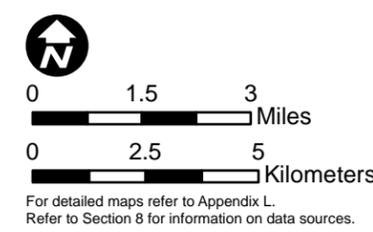
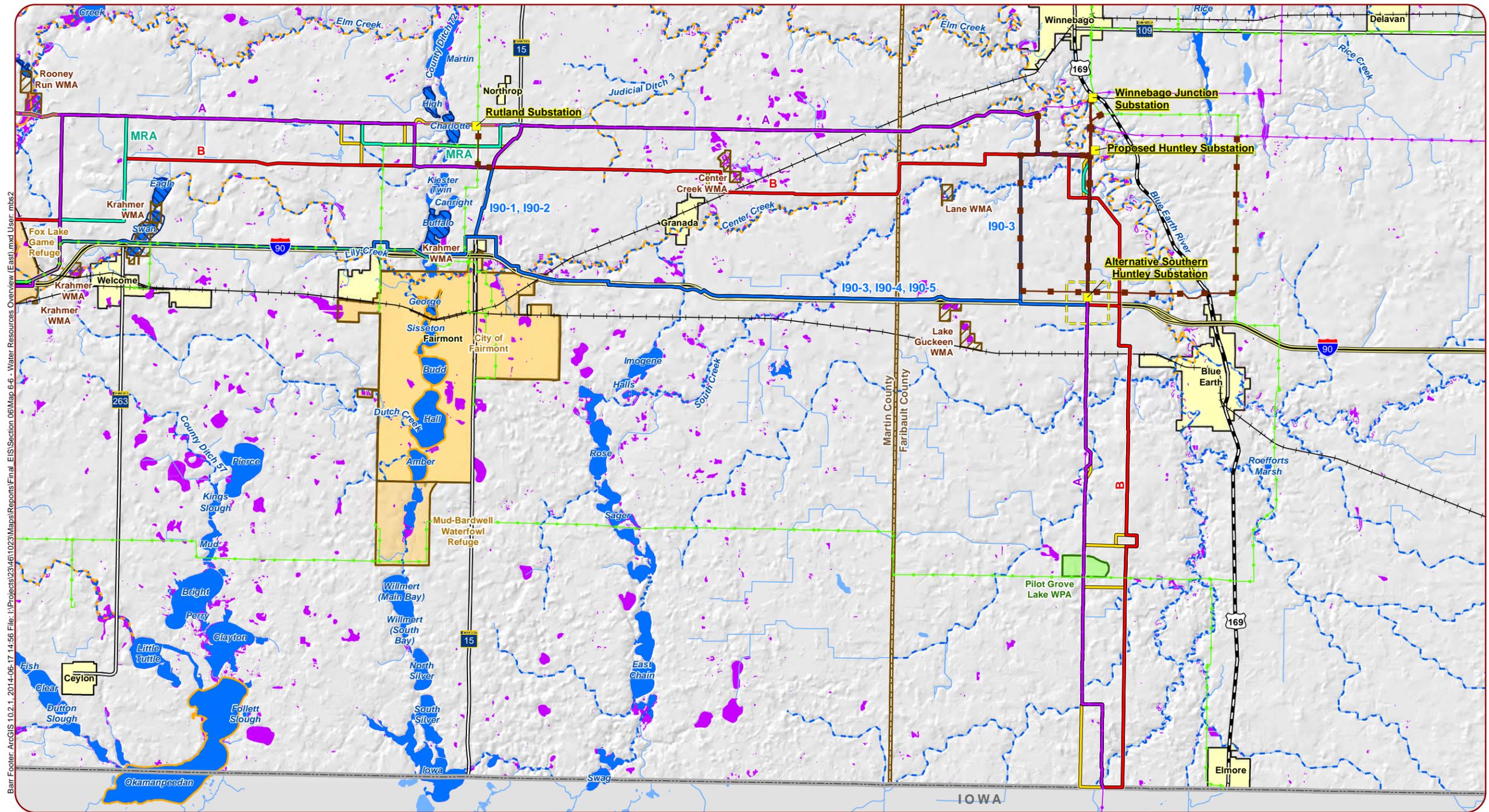
Barr Footer: ArcGIS 10.2.1, 2014-06-17 14:54 File: I:\Projects\23461\023\Maps\Reports\Final\_EIS\Section 06\Map 6-5 - Water Resources Overview (West).mxd User: mbs2



- Route A
  - Modified Route A (MRA)
  - Route B
  - I90 Route Alternatives
  - Route Variations
  - Project Substations
- Existing 69 kV Line
  - Existing 161 kV Line
  - Existing 345 kV Line
- New Transmission Line For Associated Facilities or Lake Removal
  - Existing Transmission Lines
- Impaired Streams
  - Public Water Inventory Watercourse
  - NHD Flowlines
  - Shallow Lakes
  - Impaired Lakes
  - Public Waters Inventory (Basins)
  - NHD Waterbodies
  - Wetlands (NWI)
- State Wildlife Management Area
  - Waterfowl Production Area
  - State Game Refuge
  - Municipal Boundary
  - County Boundary
  - State 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 6-5**  
**Water Resources Overview (West)**  
 Minnesota-Iowa 345 kV Transmission Project  
 ITC Midwest LLC

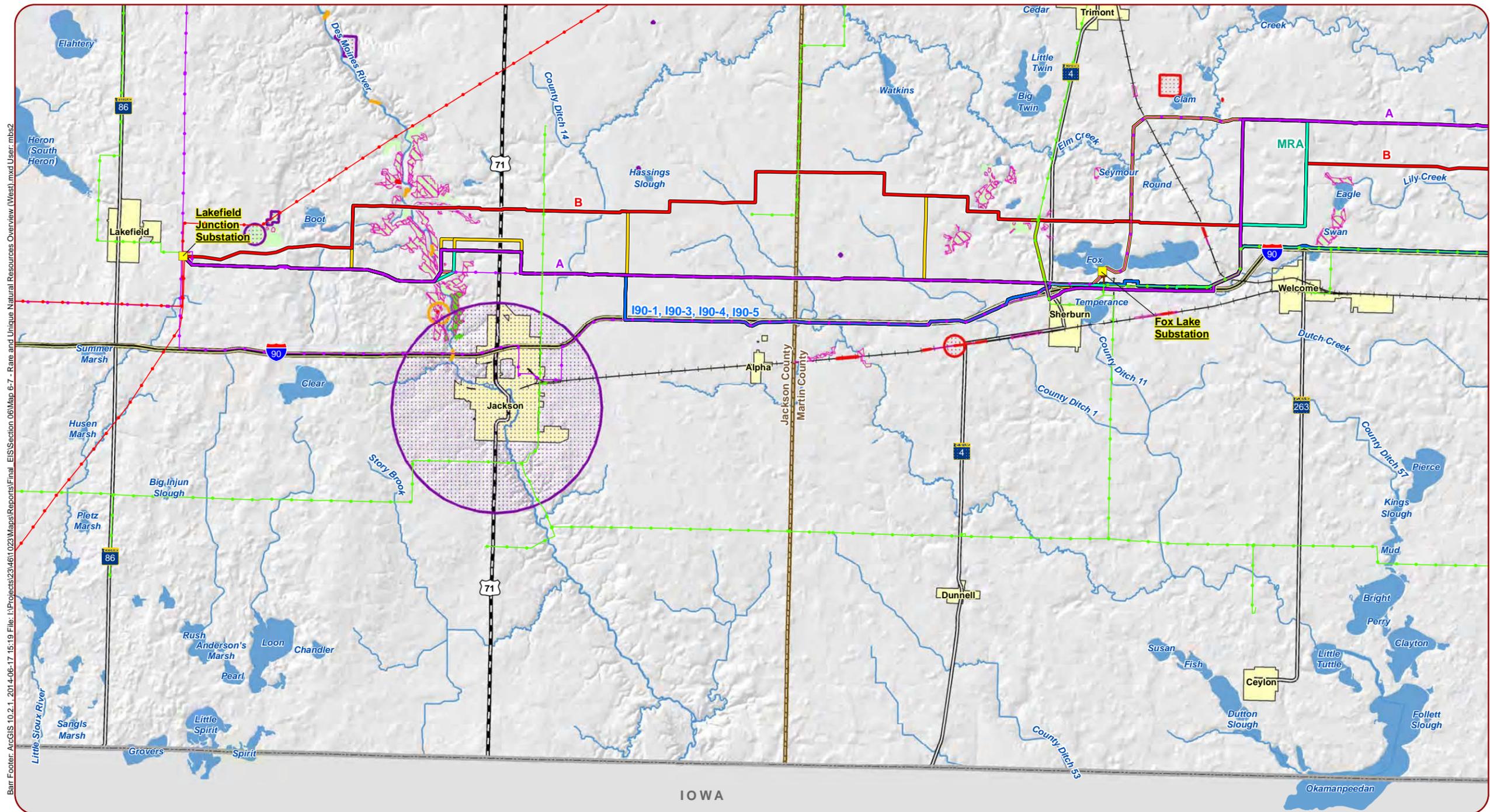


- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Project Substations
- Area of Potential Location for Alternative Southern Huntley Substation
- Existing 69 kV Line
- Existing 161 kV Line
- Existing 345 kV Line
- New Transmission Line For Associated Facilities or Lake Removal
- 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
- Impaired Lakes
- Public Waters Inventory (Basins)
- NHD Waterbodies
- Wetlands (NWI)
- State Wildlife Management Area
- Waterfowl Production Area
- State Game Refuge
- Municipal Boundary
- County Boundary
- State Boundary

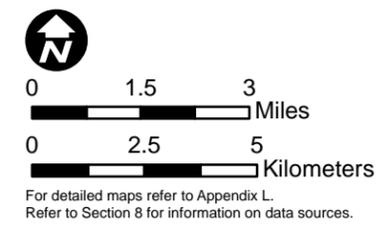
Note:  
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-6

**Water Resources Overview (East)**  
Minnesota-Iowa 345 kV Transmission Project  
ITC Midwest LLC



Barr Footer: ArcGIS 10.2.1, 2014-06-17 15:19 File: I:\Projects\23461\023\Maps\Reports\Final\_EIS\Section 06\Map 6-7 - Rare and Unique Natural Resources Overview (West).mxd User: mbs2



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

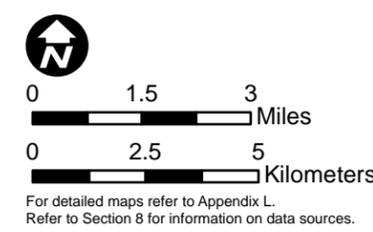
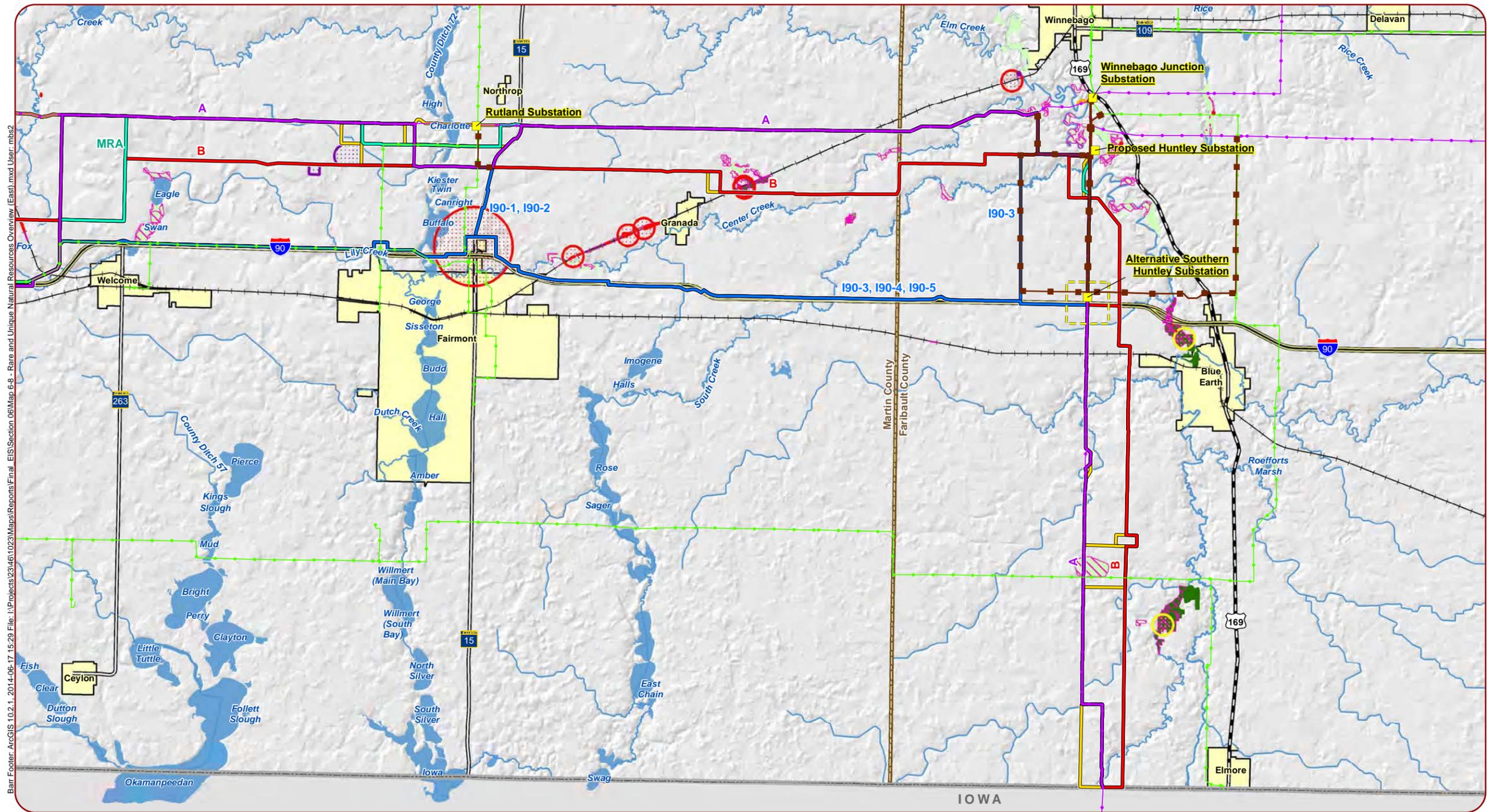
- New Transmission Line For Associated Facilities or Lake Removal
- Existing Transmission Lines**
- Existing 69 kV Line
- Existing 161 kV Line
- Existing 345 kV Line

- MBS Native Plant Communities
- NHIS Rare Natural Features**
- Vertebrate Animal
- Invertebrate Animal
- Vascular Plant

- MBS Sites of Biodiversity Significance**
- Moderate
- High
- Outstanding
- Municipal Boundary
- County Boundary
- State 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.

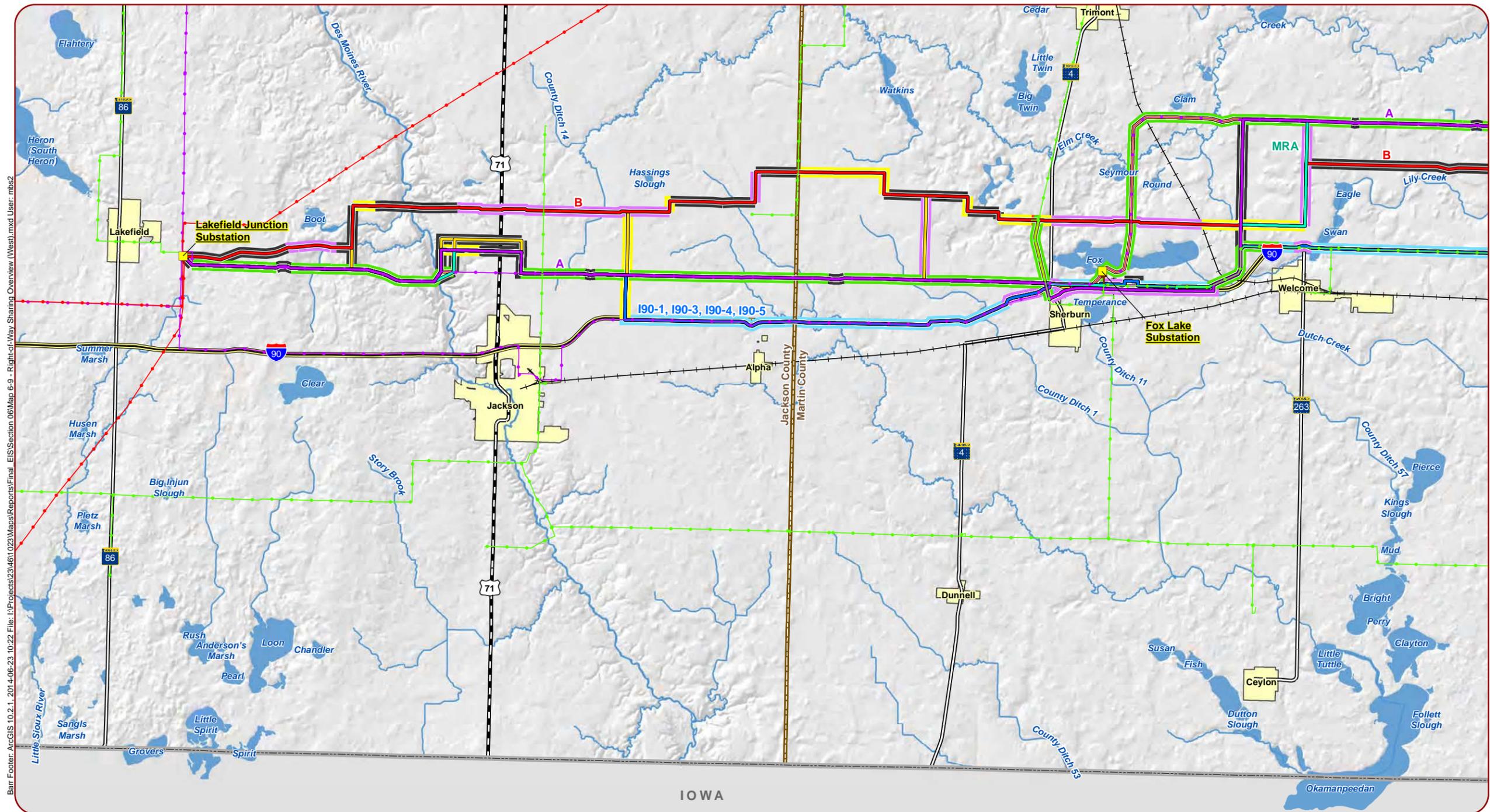
Map 6-7  
**Rare and Unique Natural Resources Overview (West)**  
 Minnesota-Iowa 345 kV Transmission Project  
 ITC Midwest LLC



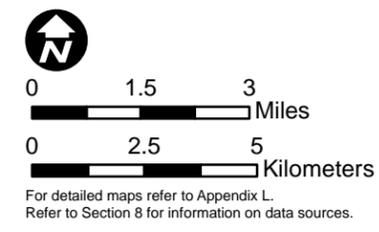
- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Project Substations
- Area of Potential Location for Alternative Southern Huntley Substation
- New Transmission Line For Associated Facilities or Lake Removal
- Existing Transmission Lines
  - Existing 69 kV Line
  - Existing 161 kV Line
  - Existing 345 kV Line
- MBS Native Plant Communities
- NHIS Rare Natural Features**
  - Vertebrate Animal
  - Invertebrate Animal
  - Vascular Plant
  - Animal Assemblage
- MBS Sites of Biodiversity Significance**
  - Moderate
  - High
  - Outstanding
  - Municipal Boundary
  - County Boundary
  - State 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 6-8  
**Rare and Natural Resources Overview (East)**  
Minnesota-Iowa 345 kV Transmission Project  
ITC Midwest LLC



Barr Footer: ArcGIS 10.2.1, 2014-06-23 10:22 File: I:\Projects\23461\023\Maps\Reports\Final\_EIS\Section 06\Map 6-9 - Right-of-Way Sharing Overview (West).mxd User: mbs2



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

- New Transmission Line For Associated Facilities or Lake Removal
- Existing Transmission Lines
- Existing 69 kV Line
- Existing 161 kV Line
- Existing 345 kV Line

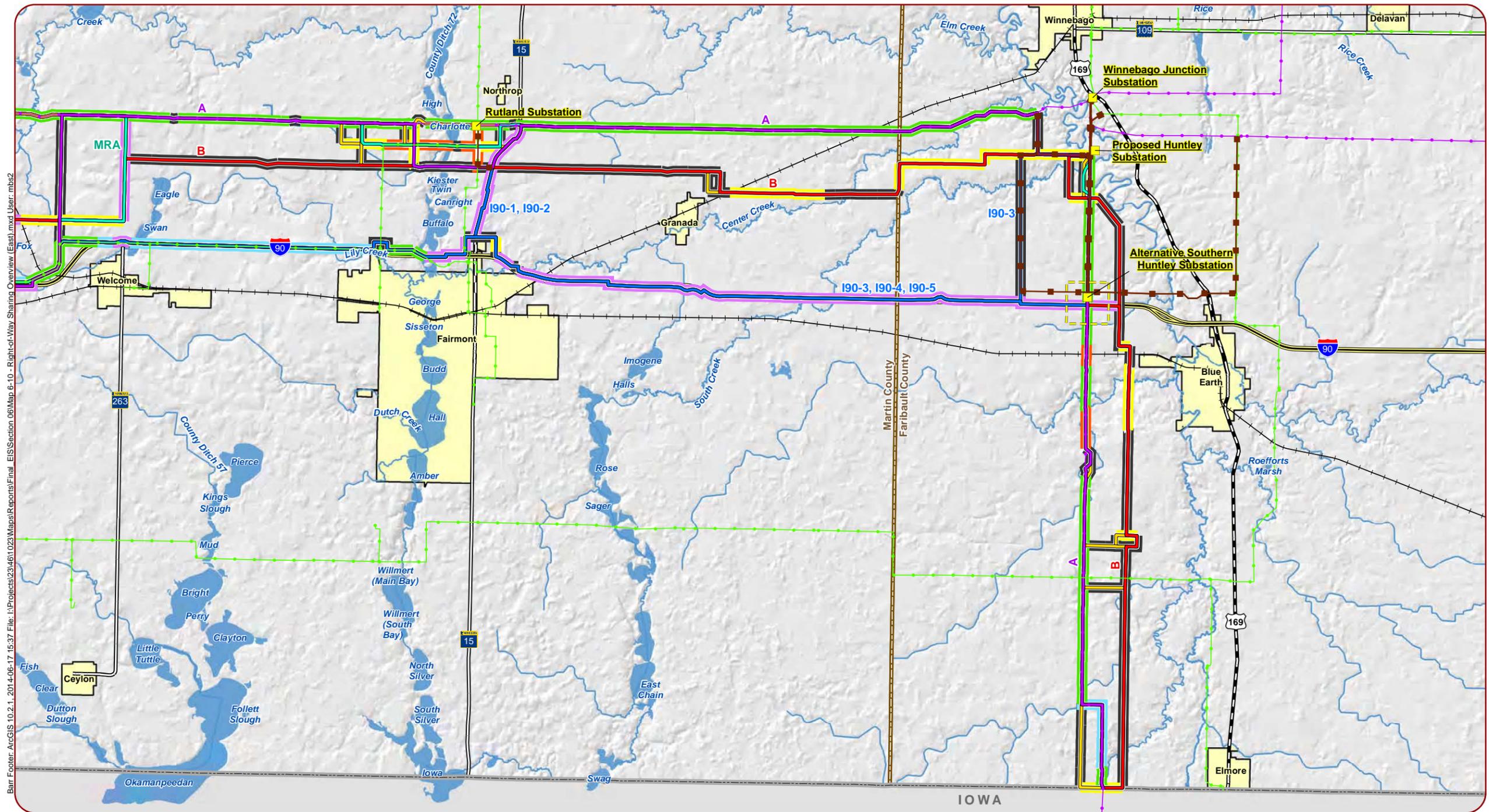
- Right-of-Way Sharing**
- Existing Transmission Line
- Highway\*
- Other Road
- Existing Transmission Line & Major Highway
- Existing Transmission Line & Other Road
- No Sharing with Existing Infrastructure

- Municipal Boundary
- County Boundary
- State Boundary

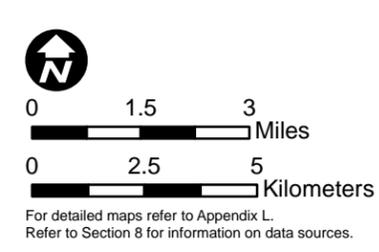
Note:  
 This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

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

**Map 6-9**  
**Right-of-Way Sharing Overview (West)**  
 Minnesota-Iowa 345 kV Transmission Project  
 ITC Midwest LLC



Barr Footer: ArcGIS 10.2.1, 2014-06-17 15:37 File: L:\Projects\23461\023\Maps\Reports\Final\_EIS\Section 06\Map 6-10 - Right-of-Way Sharing Overview (East).mxd User: mbs2



- Route A
- Modified Route A (MRA)
- Route B
- I90 Route Alternatives
- Route Variations
- Project Substations
- Area of Potential Location for Alternative Southern Huntley Substation

- New Transmission Line For Associated Facilities or Lake Removal
- Existing 69 kV Line
- Existing 161 kV Line
- Existing 345 kV Line

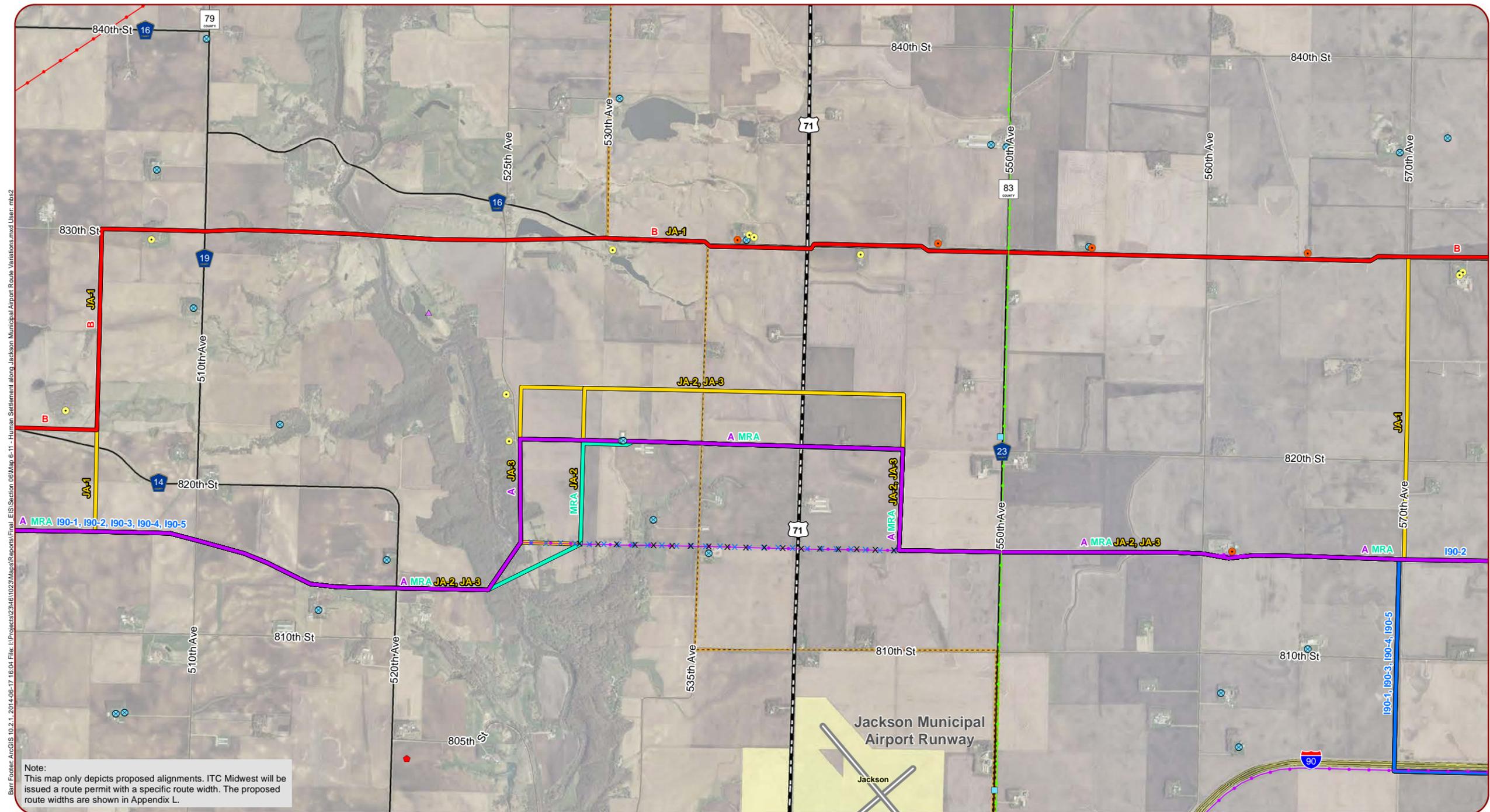
- Right-of-Way Sharing**
- Existing Transmission Line
  - Highway\*
  - Other Road
  - Existing Transmission Line & Major Highway
  - Existing Transmission Line & Other Road
  - No Sharing with Existing Infrastructure

- Municipal Boundary
- County Boundary
- State Boundary

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

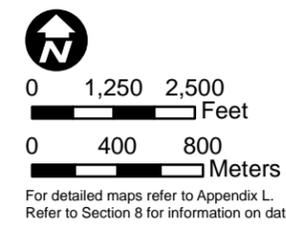
Note:  
This map only depicts proposed alignments. ITC Midwest will be issued a route permit with a specific route width. The proposed route widths are shown in Appendix L.

Map 6-10  
**Right-of-Way Sharing Overview (East)**  
Minnesota-Iowa 345 kV Transmission Project  
ITC Midwest LLC



Barr, Foster, ArcGIS 10.2.1, 2014-06-17 16:04 File: I:\Projects\2346\1023\Mapa\Reports\Final\_EIS\Section\_06\Map\_6-11\_Human\_Settlement\_along\_Jackson\_Municipal\_Airport\_Route\_Variations.mxd User: mbs2

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.

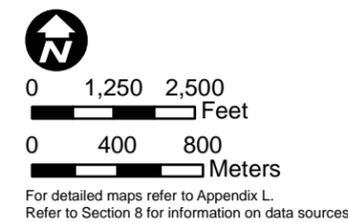
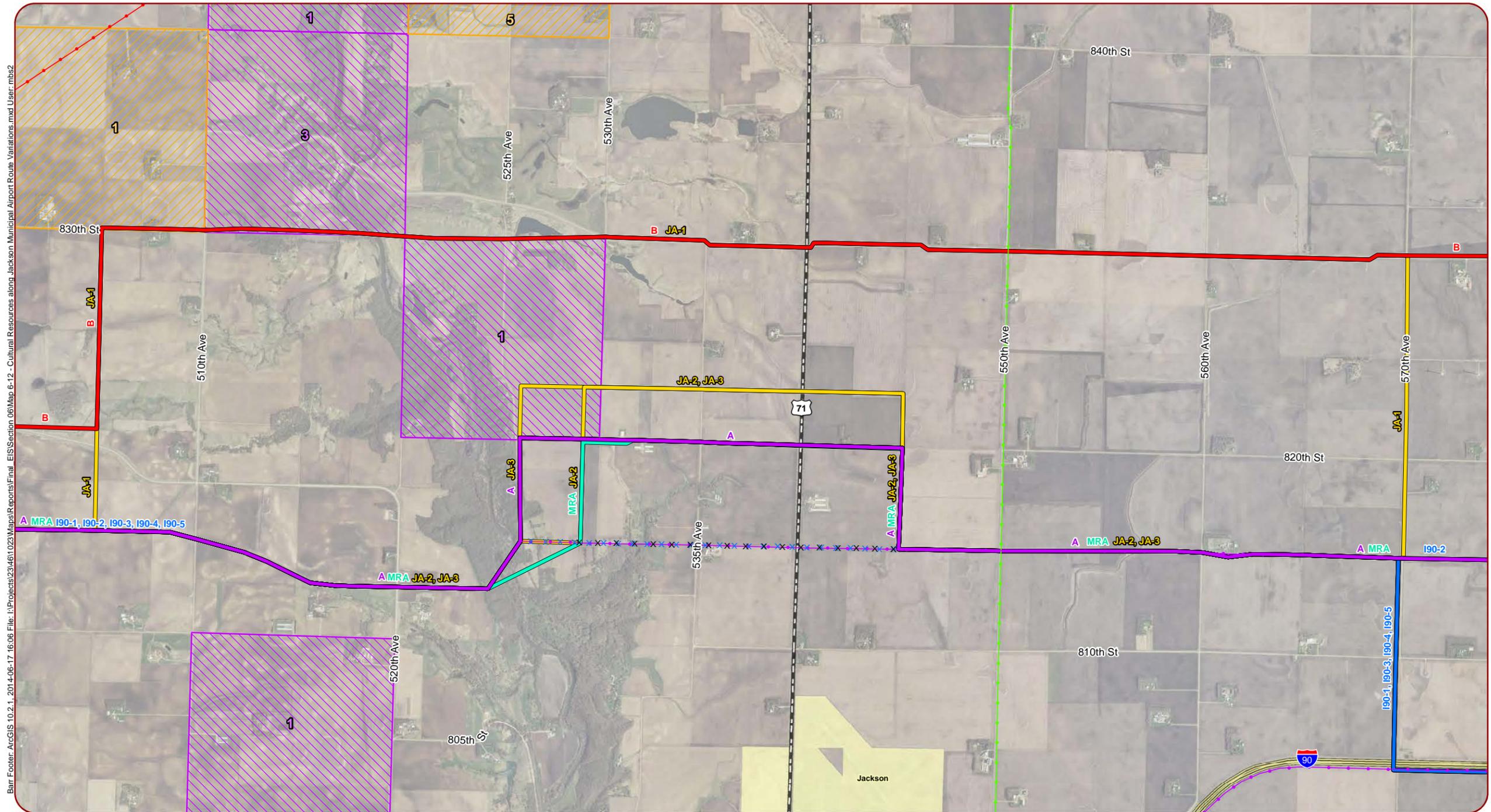


For detailed maps refer to Appendix L.  
Refer to Section 8 for information on data sources.

- 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
- Residences within 100-200 Feet of Anticipated Alignment
- Residences within 200-500 Feet of Anticipated Alignment
- Aggregate Source Locations
- County Well Index
- Snowmobile Trail
- Airport Runway
- Municipal Boundary
- MPCA Database**
- Hazardous Waste
- Tanks and Leaks
- Multiple Activities
- Streets and Highways**
- Interstate Highway
- US Highway
- County State-Aid Highway
- County Road
- Local or Municipal Road

Map 6-11

**Human Settlement 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

- 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

- 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 6-12  
**Cultural Resources along Jackson Municipal Airport Route Variations**  
Minnesota-Iowa 345 kV Transmission Project  
ITC Midwest LLC