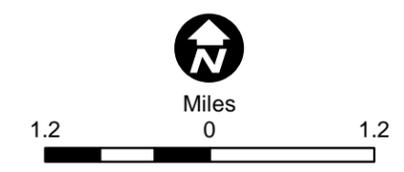




- Proposed Routes**
- Blue Route
  - C2 Segment Option
- Alternatives**
- North Black River Variation
- Existing Transmission Lines**
- 69 or 115 kV
  - 230 kV
- Streets and Highways**
- State Trunk Highway
  - County State Aid Highway
  - Local Road
  - Variation Area
  - International Boundary

Note:  
Anticipated alignments are shown offset for display purposes only. Please refer to more detailed maps for precise alignment placement.

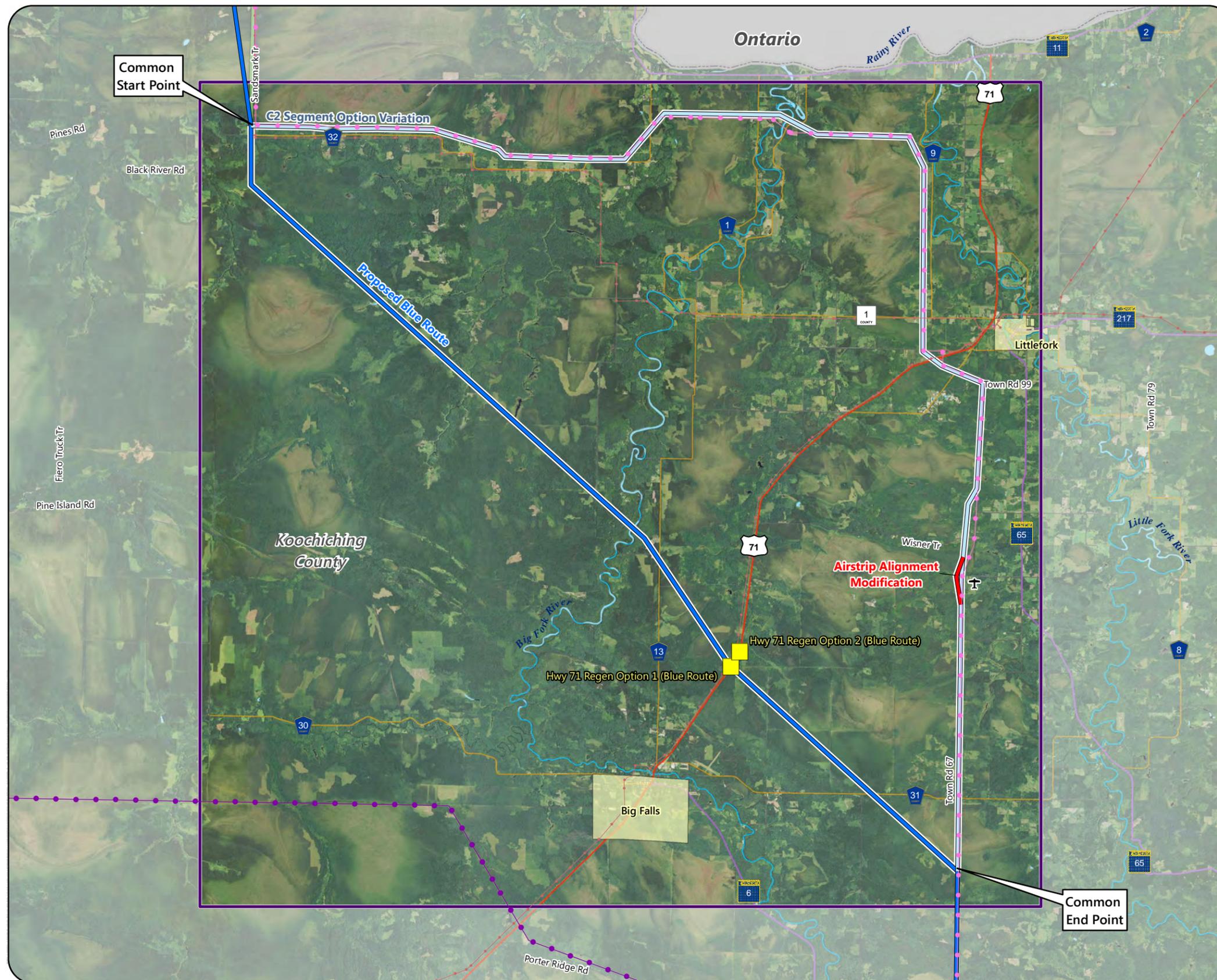
The Applicant will be issued a Route Permit with a specific route width. The proposed route widths are shown in Appendix S.



Map 4-11

**NORTH BLACK RIVER VARIATION AREA**

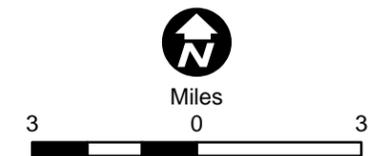
Great Northern Transmission Line  
Final Environmental Impact Statement



- Proposed Regeneration Site
- Proposed Routes**
- Blue Route
- Alternatives**
- C2 Segment Option Variation
- Airstrip Alignment Modification
- Airstrip
- Existing Transmission Lines**
- 69 or 115 kV
- 230 kV
- 500 kV
- Streets and Highways**
- US Highway
- State Trunk Highway
- County State Aid Highway
- Local Road
- Variation Area
- Municipal Boundary
- International Boundary

Note:  
Anticipated alignments are shown offset for display purposes only. Please refer to more detailed maps for precise alignment placement.

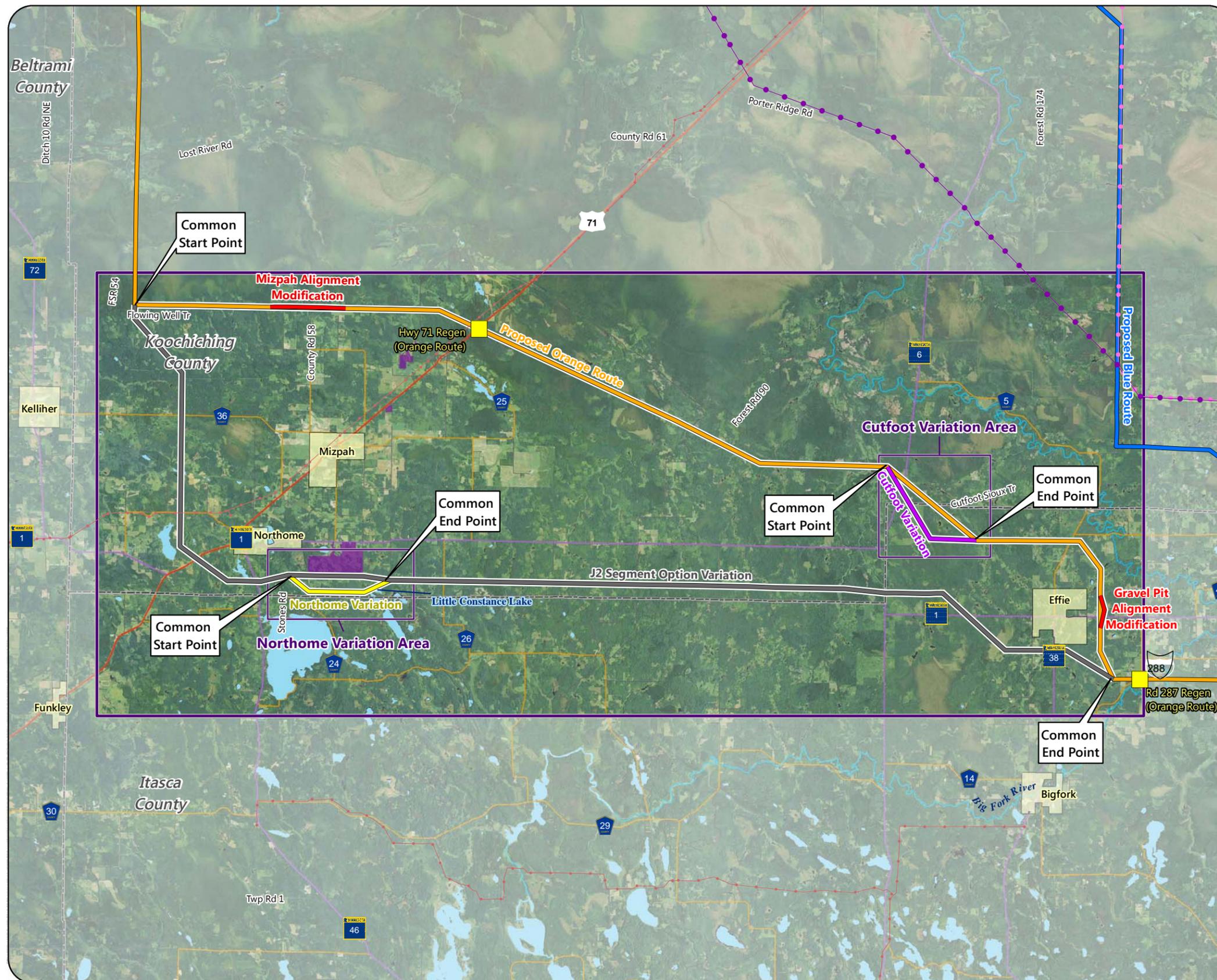
The Applicant will be issued a Route Permit with a specific route width. The proposed route widths are shown in Appendix S.



Map 4-12

**C2 SEGMENT OPTION VARIATION AREA**  
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Final Environmental Impact Statement

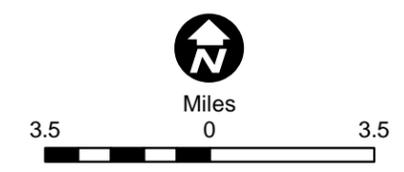




- Proposed Regeneration Site
- Proposed Routes**
- Blue Route
- Orange Route
- Alternatives**
- J2 Segment Option Variation
- Northome Variation
- Cutfoot Variation
- Alignment Modification
- Existing Transmission Lines**
- 69 or 115 kV
- 230 kV
- 500 kV
- Streets and Highways**
- US Highway
- State Trunk Highway
- County State Aid Highway
- Local Road
- Variation Area
- USFWS Interest Lands
- Municipal Boundary
- County Boundary

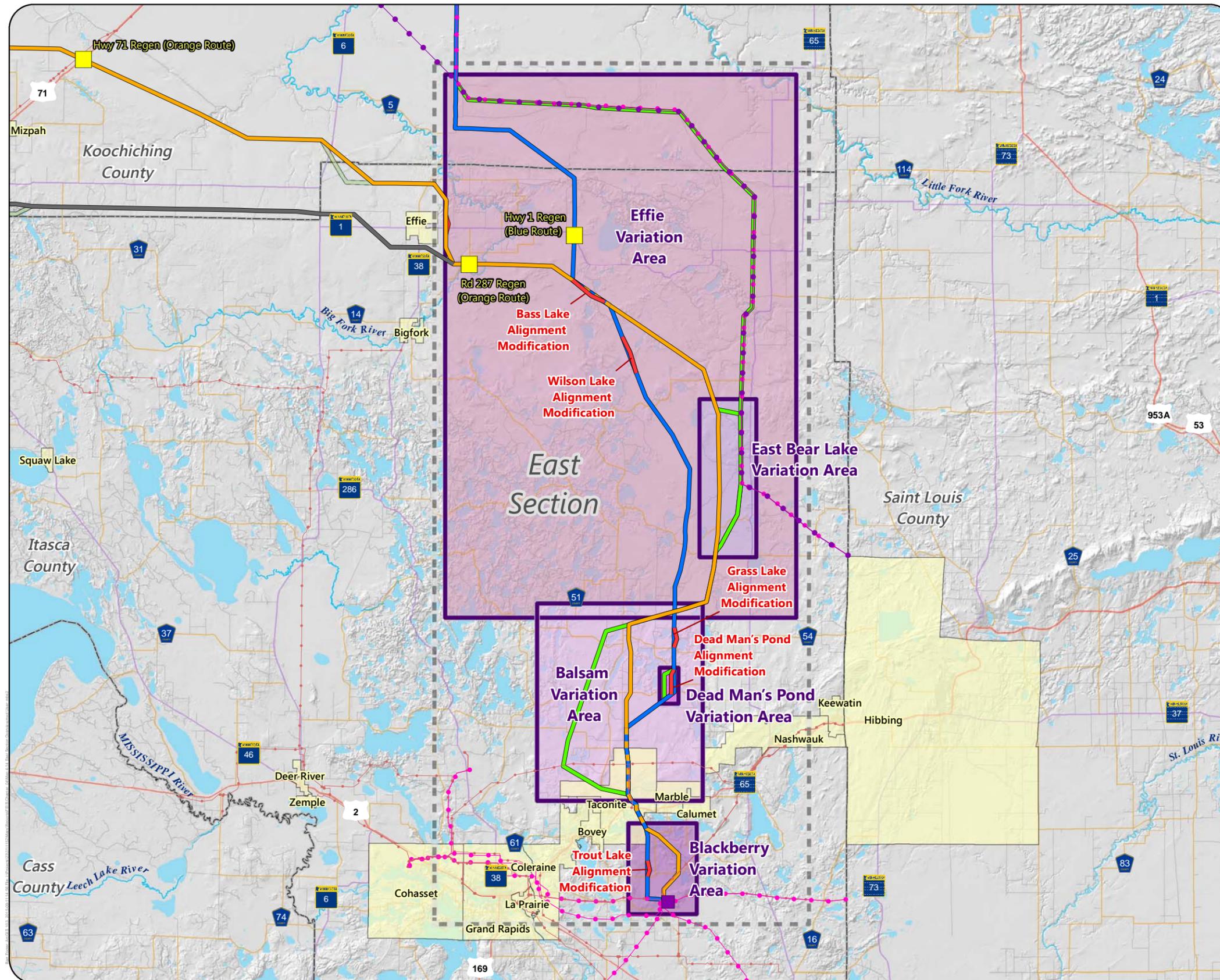
Note:  
Anticipated alignments are shown offset for display purposes only. Please refer to more detailed maps for precise alignment placement.

The Applicant will be issued a Route Permit with a specific route width. The proposed route widths are shown in Appendix S.



Map 4-13

**J2 SEGMENT OPTION, NORTHOME AND CUTFOOT VARIATION AREAS**  
Great Northern Transmission Line  
Final Environmental Impact Statement



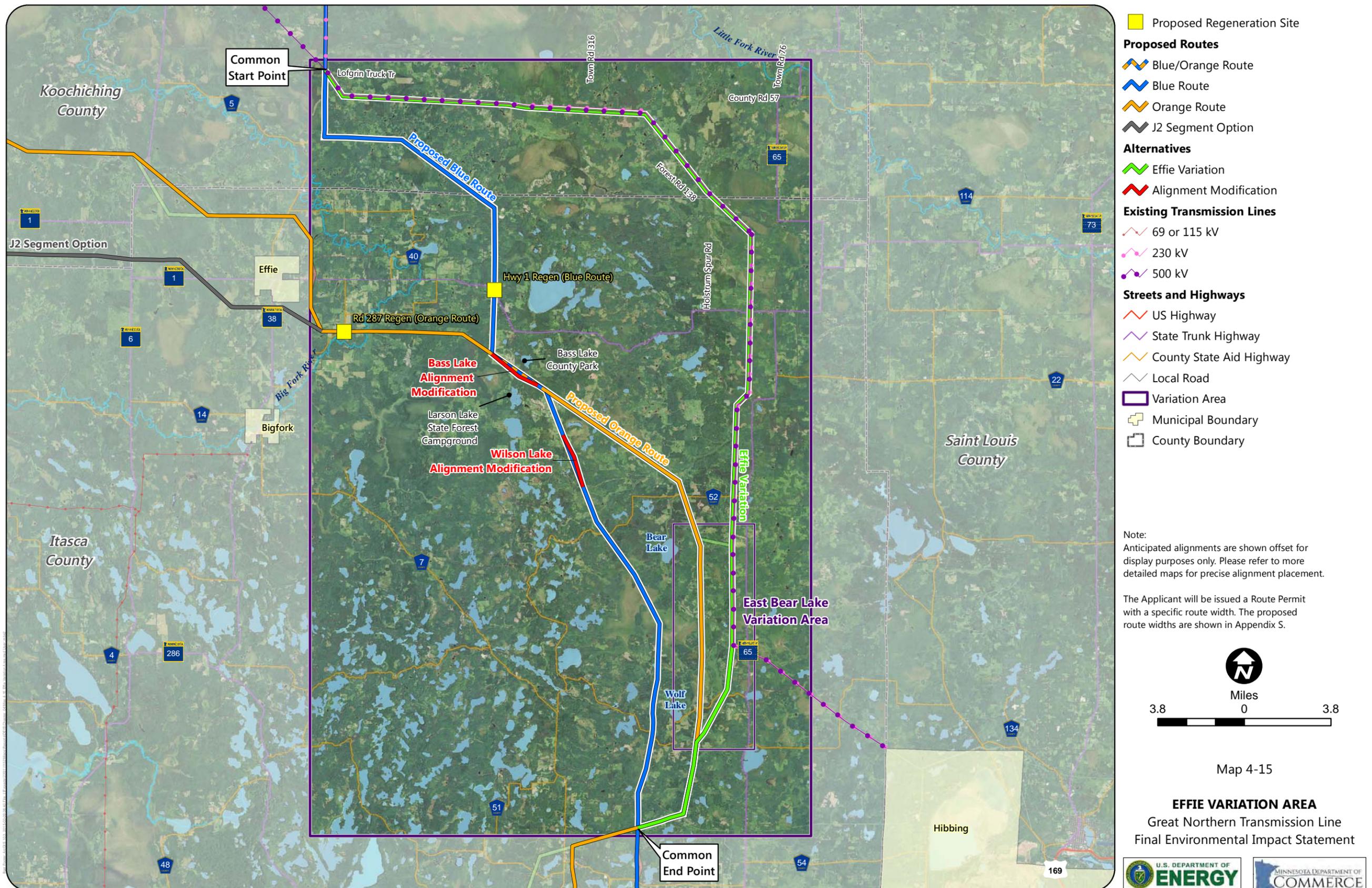
- Proposed Regeneration Site
- Proposed Iron Range 500 kV Substation
- Proposed Routes**
- Blue/Orange Route
- Blue Route
- Orange Route
- Segment Option
- Alternatives**
- Route Variation
- Alignment Modification
- Existing Transmission Lines**
- 69 or 115 kV
- 230 kV
- 500 kV
- Streets and Highways**
- US Highway
- State Trunk Highway
- County State Aid Highway
- Local Road
- Variation Area
- Project Section
- Municipal Boundary
- County Boundary



Map 4-14

**EAST SECTION OVERVIEW**  
Great Northern Transmission Line  
Final Environmental Impact Statement



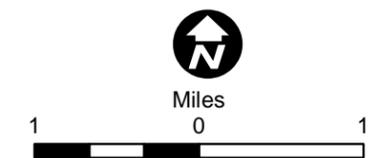




- Proposed Routes**
- Blue Route
  - Orange Route
- Alternatives**
- East Bear Lake Variation
- Existing Transmission Lines**
- 230 kV
  - 500 kV
- Streets and Highways**
- State Trunk Highway
  - County State Aid Highway
  - Local Road
  - Variation Area

Note:  
Anticipated alignments are shown offset for display purposes only. Please refer to more detailed maps for precise alignment placement.

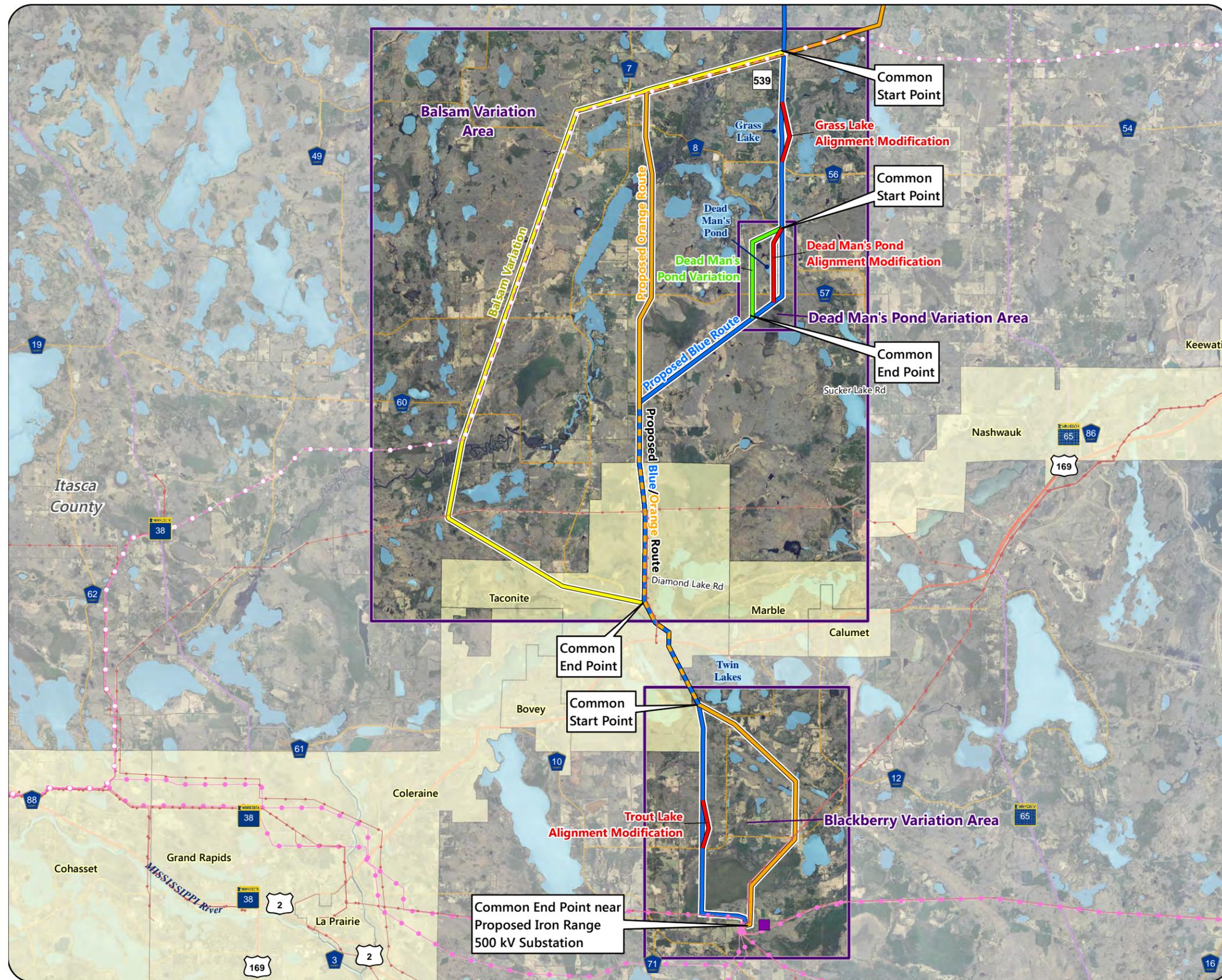
The Applicant will be issued a Route Permit with a specific route width. The proposed route widths are shown in Appendix S.



Map 4-16

**EAST BEAR LAKE VARIATION AREA**  
Great Northern Transmission Line  
Final Environmental Impact Statement

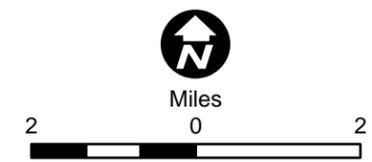




- Proposed Iron Range 500 kV Substation
- Proposed Routes**
  - ↔ Blue/Orange Route
  - ↔ Blue Route
  - ↔ Orange Route
- Alternatives**
  - ↔ Balsam Variation
  - ↔ Dead Man's Pond Variation
  - ↔ Alignment Modification
- ⋯ Abandoned 230 kV Transmission Line Corridor
- Existing Transmission Lines**
  - ↔ 69 or 115 kV
  - ↔ 230 kV
- Streets and Highways**
  - ↔ US Highway
  - ↔ State Trunk Highway
  - ↔ County State Aid Highway
  - ↔ Local Road
- ▭ Variation Area
- ⊕ Municipal Boundary

Note:  
Anticipated alignments are shown offset for display purposes only. Please refer to more detailed maps for precise alignment placement.

The Applicant will be issued a Route Permit with a specific route width. The proposed route widths are shown in Appendix S.



Map 4-17

**BALSAM, DEAD MAN'S POND, AND BLACKBERRY VARIATION AREAS**  
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Final Environmental Impact Statement



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