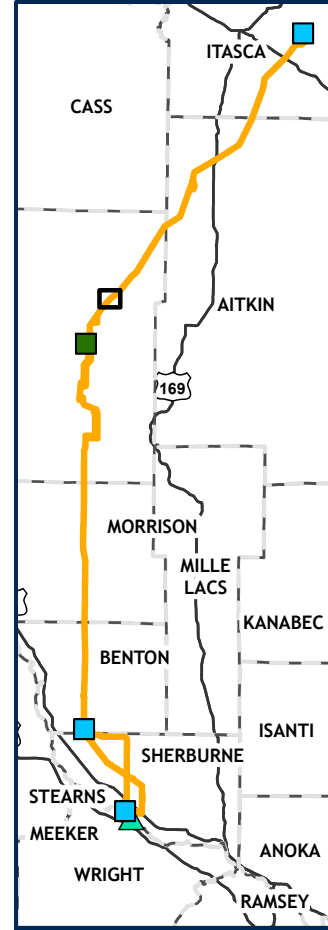
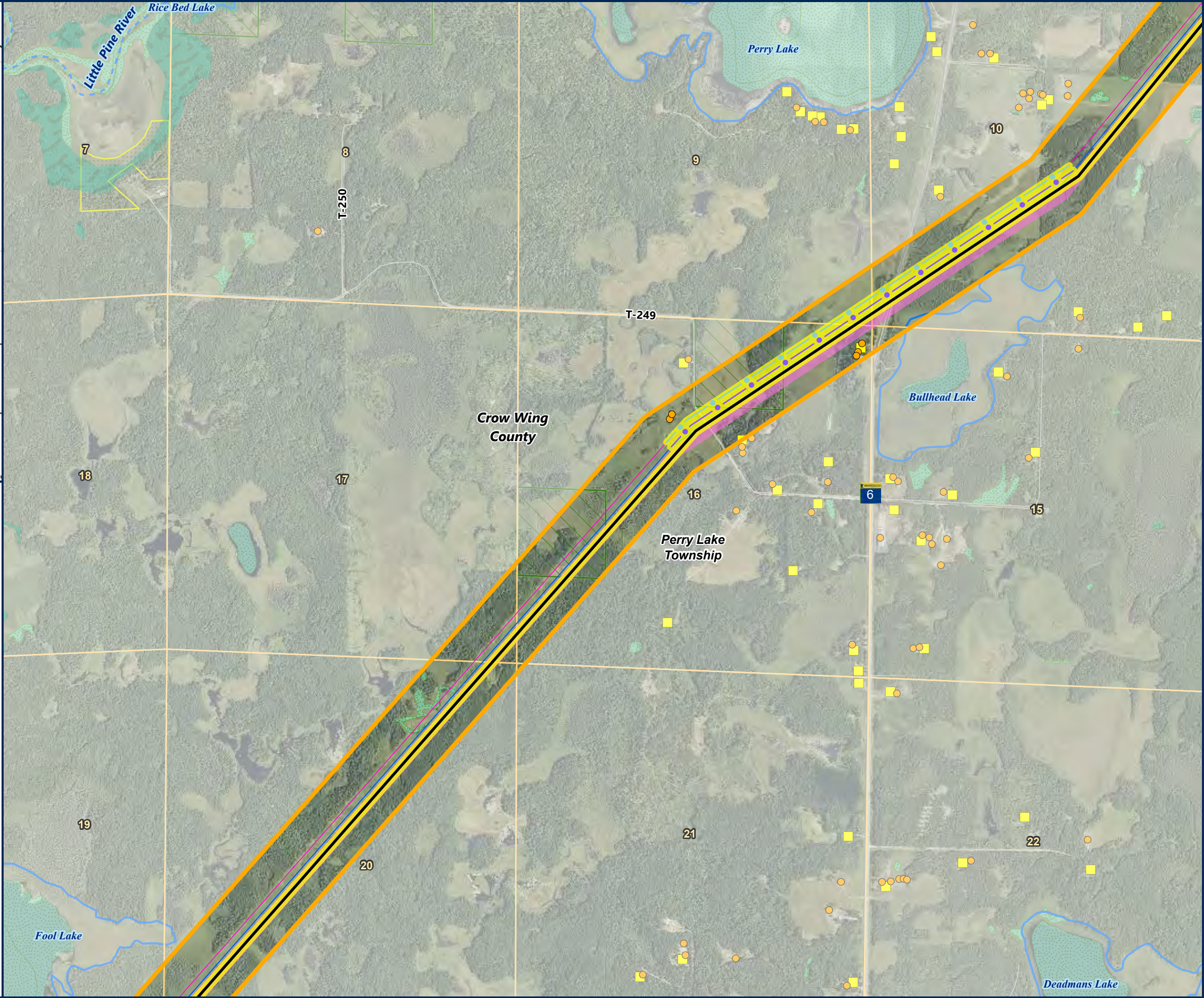


**Detailed Map**  
**Modified Proposed Route**  
 PAGE 21 OF 64

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**Northland Reliability Project**

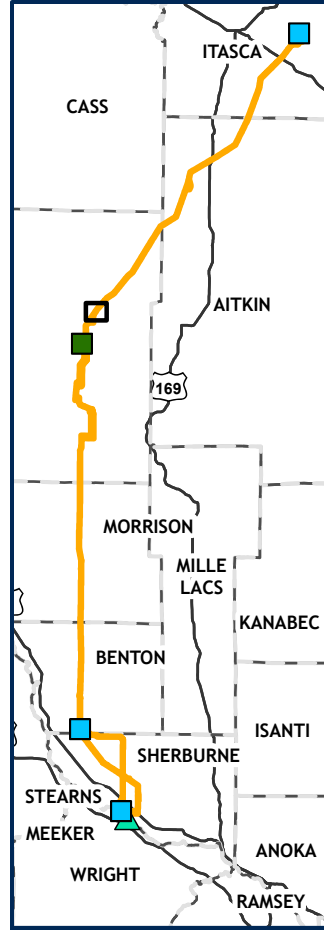


- MODIFIED PROPOSED ROUTE
- MODIFIED PROPOSED ROUTE CENTERLINE
- MODIFIED PROPOSED ROUTE RIGHT OF WAY
- APPLICATION RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT BP LINE, 69KV
- SHIFT MR LINE, 230KV
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- EXISTING TRANSMISSION LINE
  - 115 KV
  - 230 KV
- SUBSTATION SITING AREA
- BIG OAKS SUBSTATION AREA
- RESIDENCE
- NOT A RESIDENCE
- PWI WATERCOURSE
- PWI WATERBODY
- NON-FORESTED WETLAND
- FORESTED WETLAND
- WILDLIFE MANAGEMENT AREA
- STATE CONSERVATION EASEMENT
- FEDERAL CONSERVATION EASEMENT
- AQUATIC MANAGEMENT AREA
- STATE FOREST
- STATE PARK
- OTHER DNR LAND
- COUNTY BOUNDARY

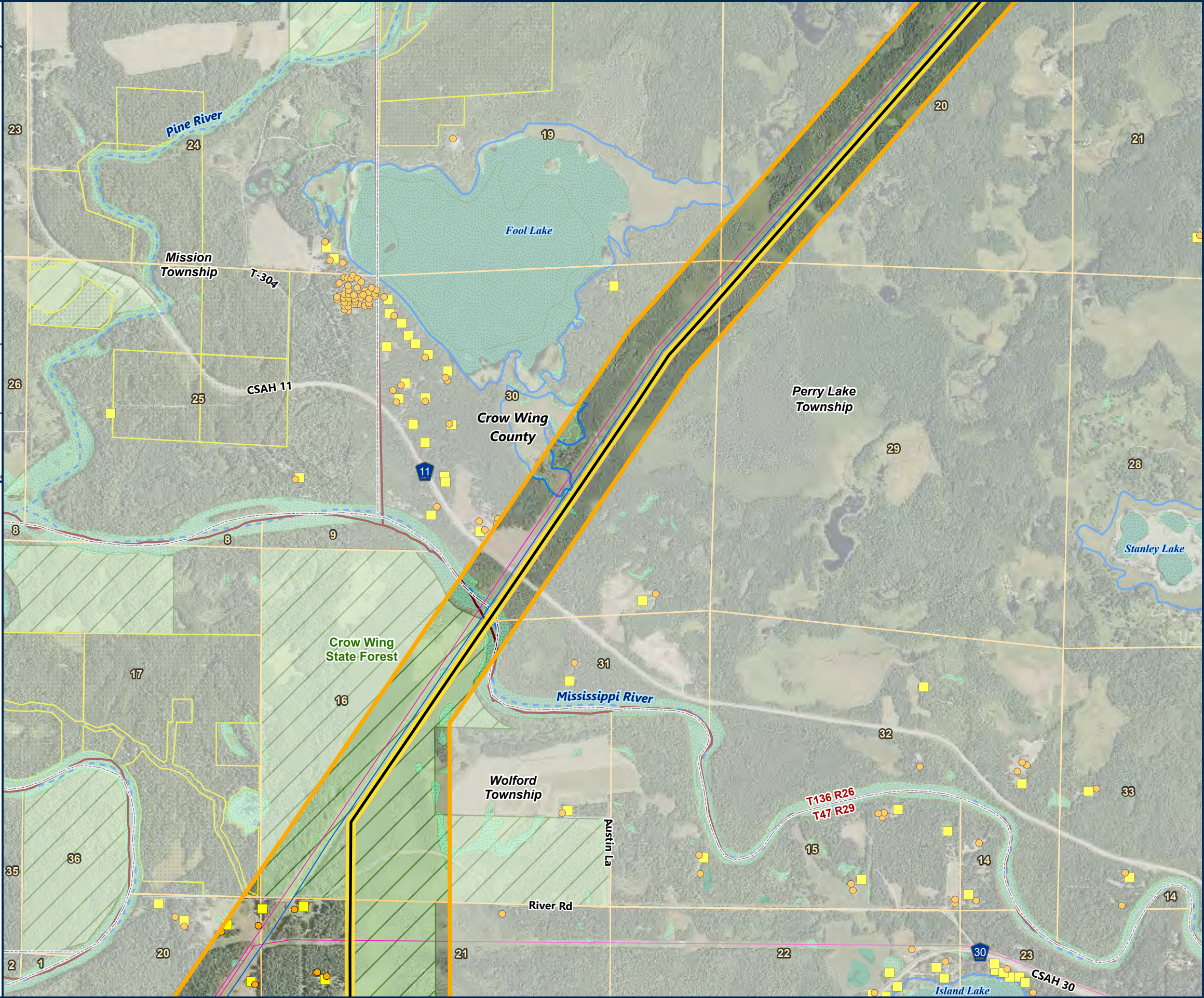


**Detailed Map**  
**Modified Proposed Route**  
 PAGE 22 OF 64

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**Northland Reliability Project**

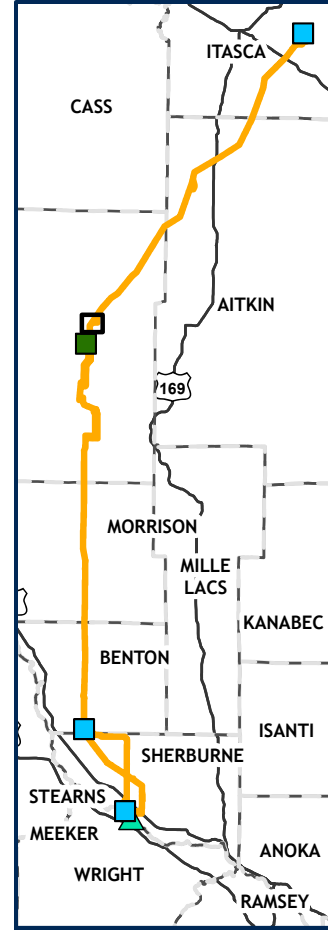


- MODIFIED PROPOSED ROUTE
- MODIFIED PROPOSED ROUTE CENTERLINE
- MODIFIED PROPOSED ROUTE RIGHT OF WAY
- APPLICATION RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT BP LINE, 69KV
- SHIFT MR LINE, 230KV
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- EXISTING TRANSMISSION LINE
  - 115 KV
  - 230 KV
- SUBSTATION SITING AREA
- BIG OAKS SUBSTATION AREA
- RESIDENCE
- NOT A RESIDENCE
- PWI WATERCOURSE
- PWI WATERBODY
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- FORESTED WETLAND
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- STATE PARK
- OTHER DNR LAND
- COUNTY BOUNDARY

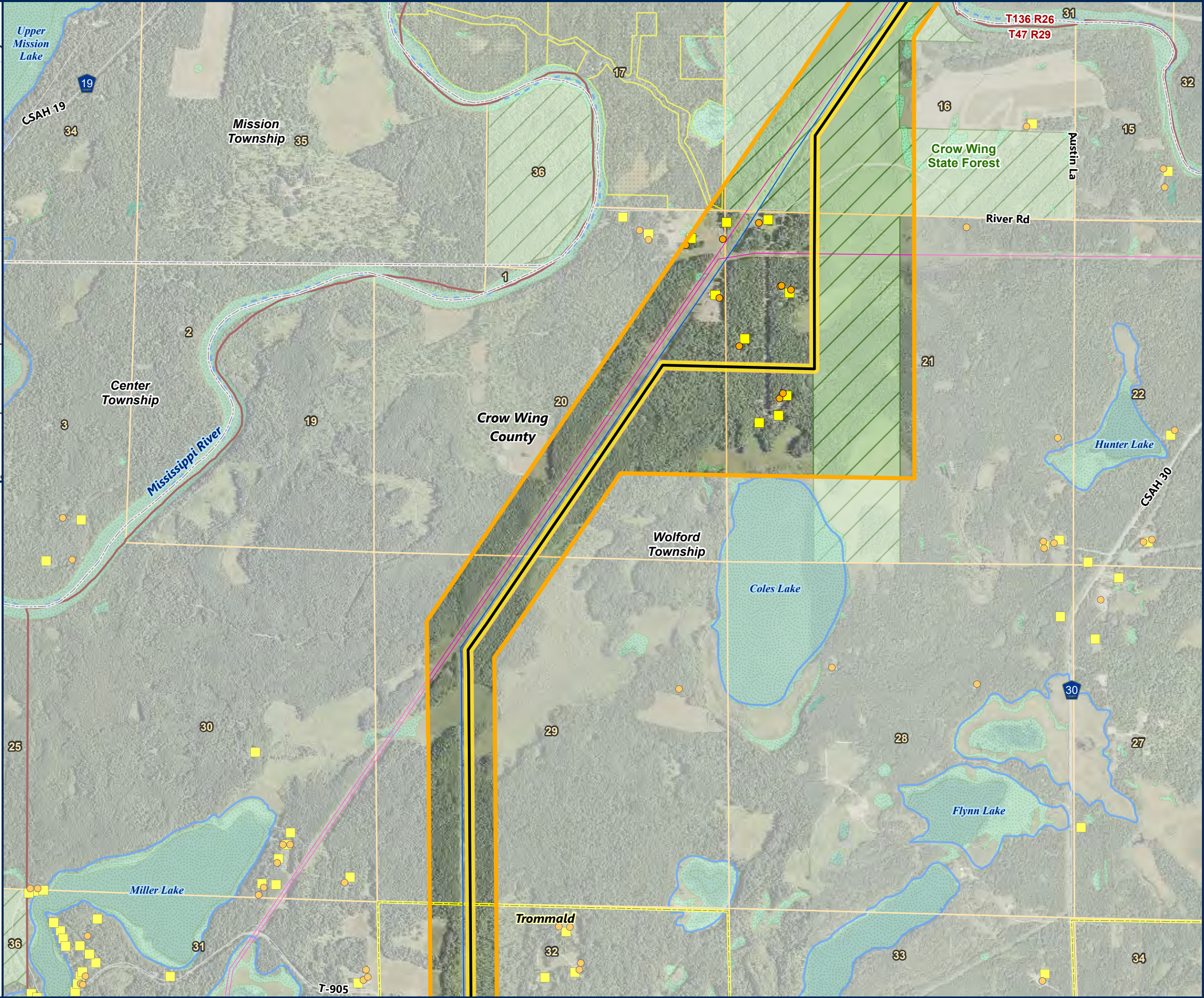


**Detailed Map**  
**Modified Proposed Route**  
 PAGE 23 OF 64

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**Northland Reliability Project**

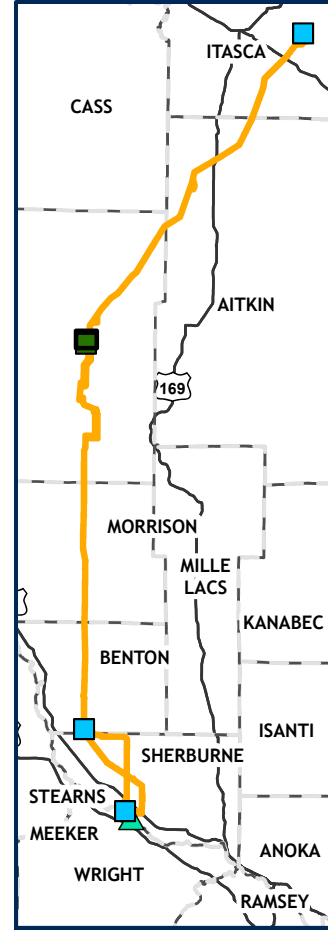


- MODIFIED PROPOSED ROUTE
- MODIFIED PROPOSED ROUTE CENTERLINE
- MODIFIED PROPOSED ROUTE RIGHT OF WAY
- APPLICATION RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT BP LINE, 69KV
- SHIFT MR LINE, 230KV
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- EXISTING TRANSMISSION LINE
  - 115 KV
  - 230 KV
- SUBSTATION SITING AREA
- BIG OAKS SUBSTATION AREA
- RESIDENCE
- NOT A RESIDENCE
- PWI WATERCOURSE
- PWI WATERBODY
- NON-FORESTED WETLAND
- FORESTED WETLAND
- WILDLIFE MANAGEMENT AREA
- STATE CONSERVATION EASEMENT
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- STATE PARK
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- COUNTY BOUNDARY
- MUNICIPAL BOUNDARY

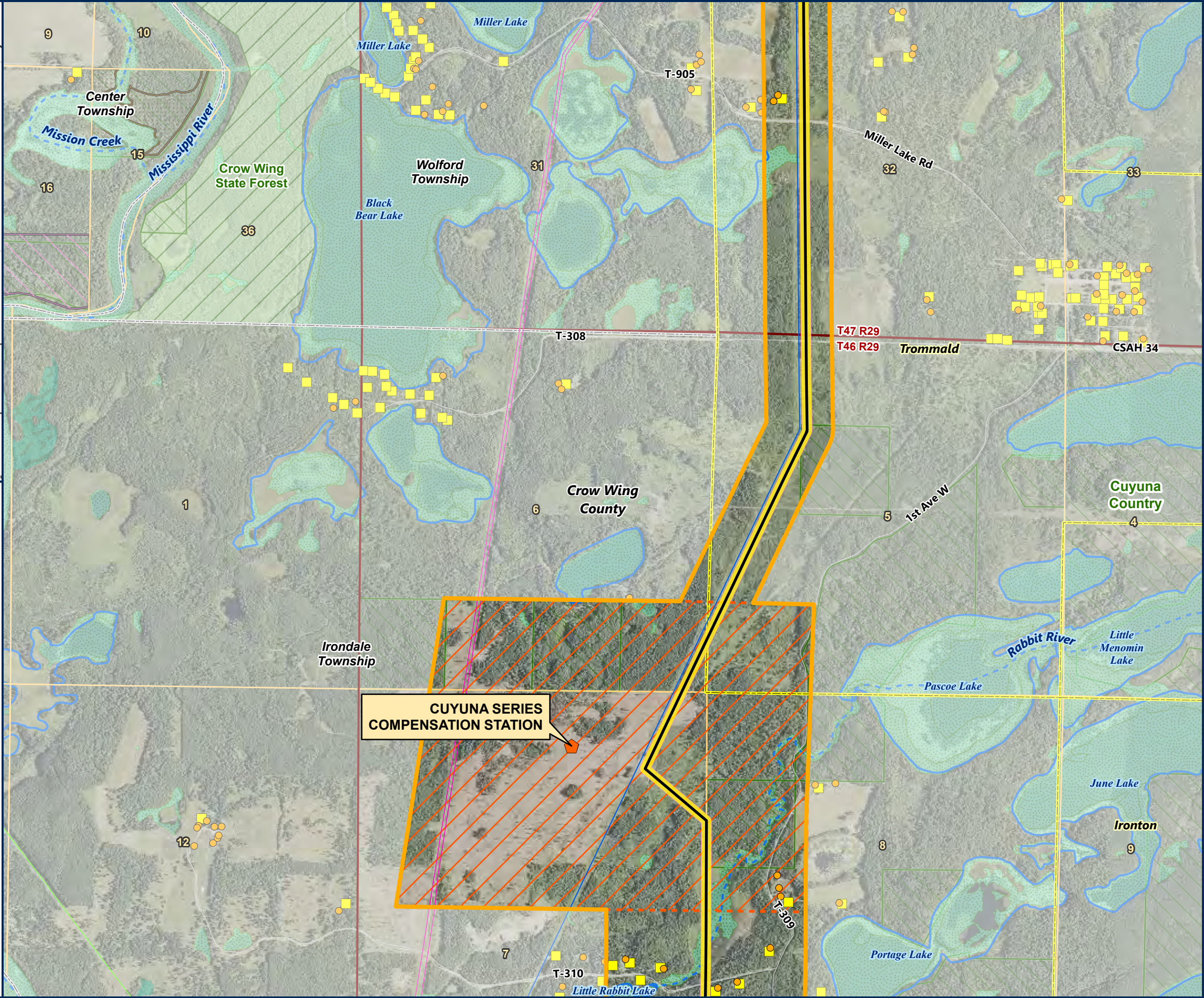


**Detailed Map**  
**Modified Proposed Route**  
 PAGE 24 OF 64

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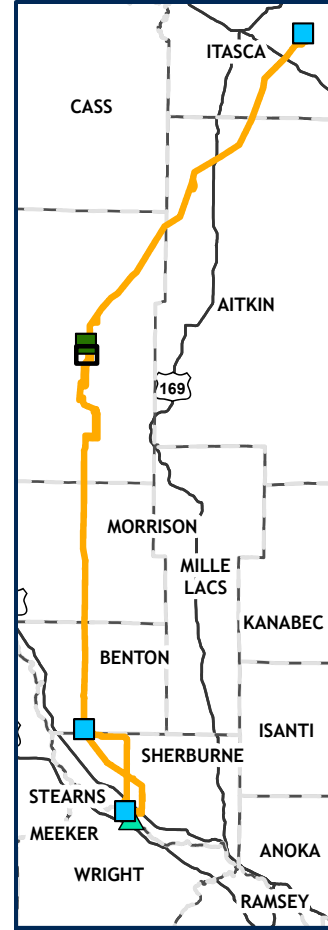


- MODIFIED PROPOSED ROUTE
- MODIFIED PROPOSED ROUTE CENTERLINE
- MODIFIED PROPOSED ROUTE RIGHT OF WAY
- APPLICATION RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT BP LINE, 69KV
- SHIFT MR LINE, 230KV
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- EXISTING TRANSMISSION LINE**
- 69 KV
- 115 KV
- 230 KV
- SUBSTATION SITING AREA
- CUYUNA SERIES COMPENSATION STATION
- BIG OAKS SUBSTATION AREA
- RESIDENCE
- NOT A RESIDENCE
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- PWI WATERBODY
- NON-FORESTED WETLAND
- FORESTED WETLAND
- WILDLIFE MANAGEMENT AREA
- STATE CONSERVATION EASEMENT
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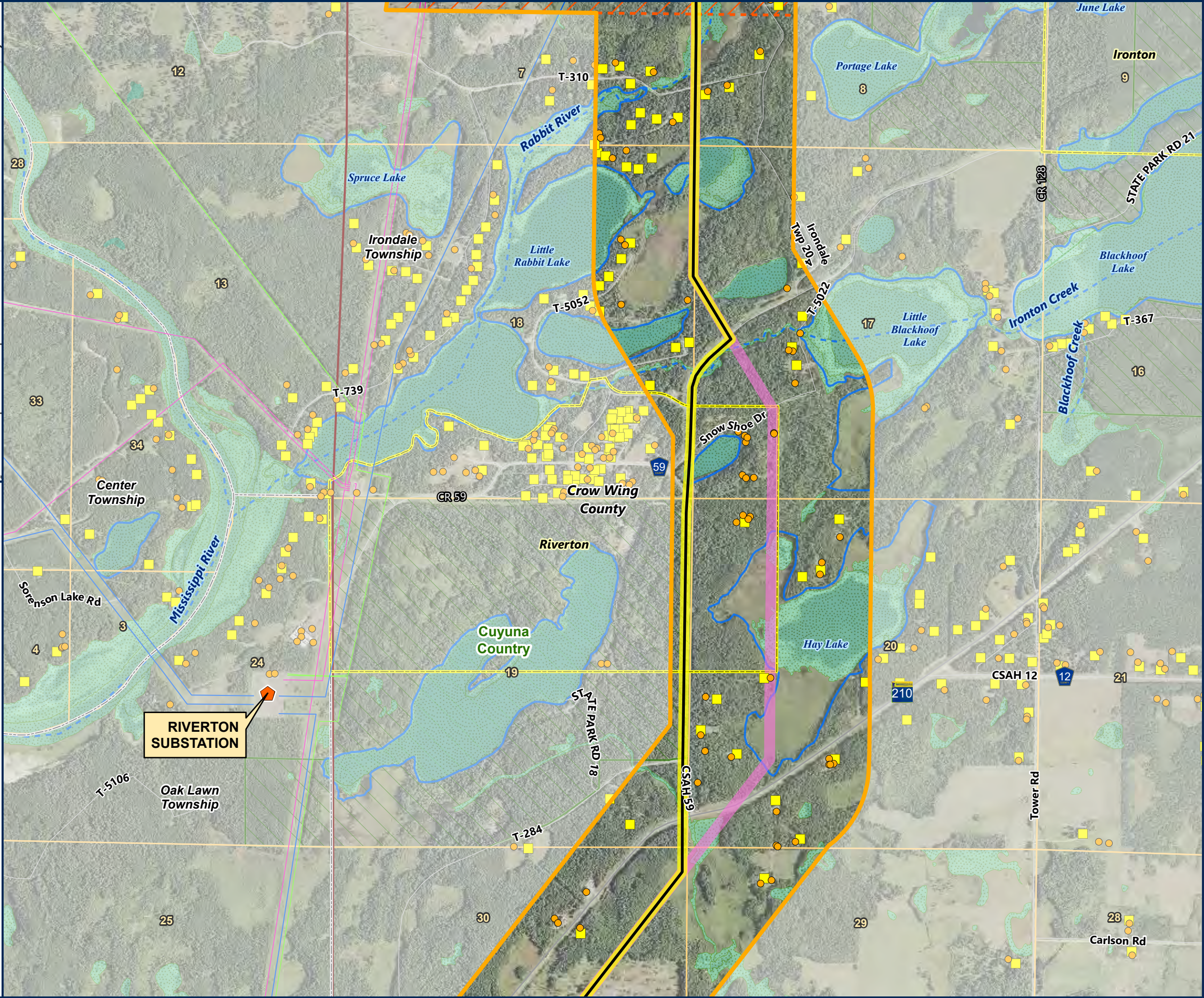


**Detailed Map**  
**Modified Proposed Route**  
 PAGE 25 OF 64

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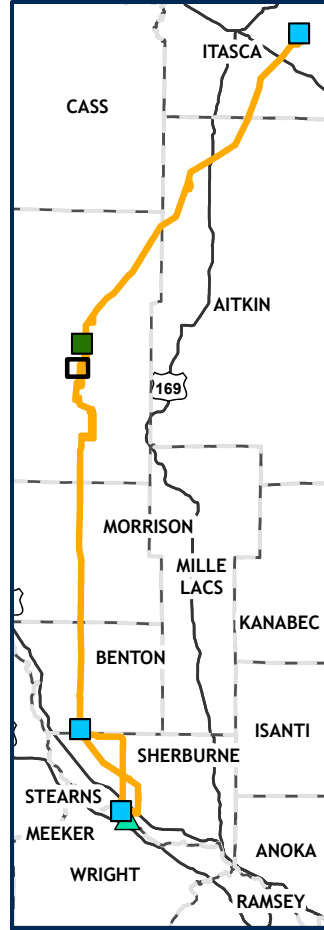
**Northland Reliability Project**



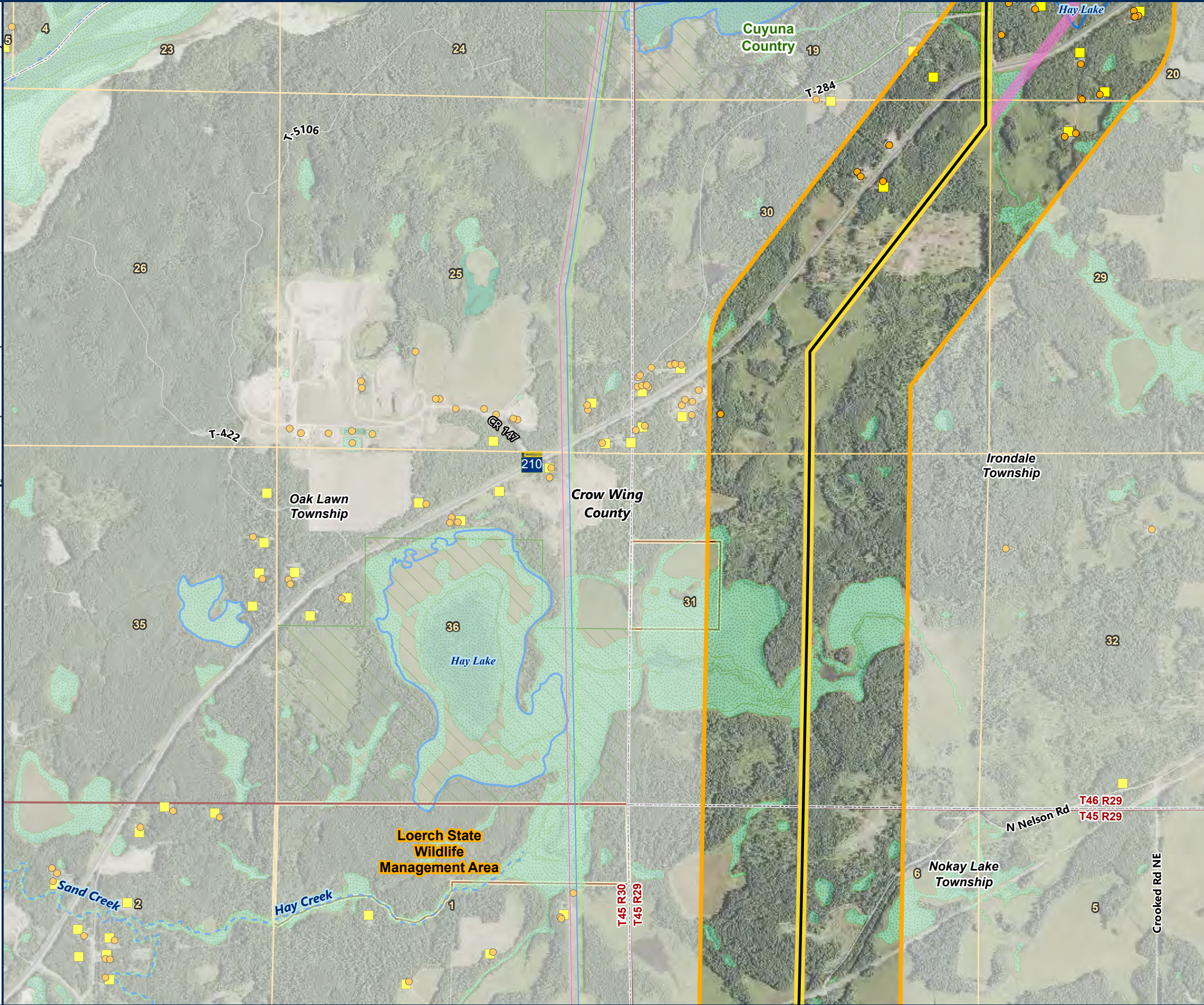
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- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT BP LINE, 69KV
- SHIFT MR LINE, 230KV
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- EXISTING TRANSMISSION LINE
  - 69 KV
  - 115 KV
  - 230 KV
- SUBSTATION SITING AREA
- RIVERTON SUBSTATION
- BIG OAKS SUBSTATION AREA
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- PWI WATERBODY
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- FORESTED WETLAND
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- FEDERAL CONSERVATION EASEMENT
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- STATE PARK
- OTHER DNR LAND
- COUNTY BOUNDARY
- MUNICIPAL BOUNDARY



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# Northland Reliability Project

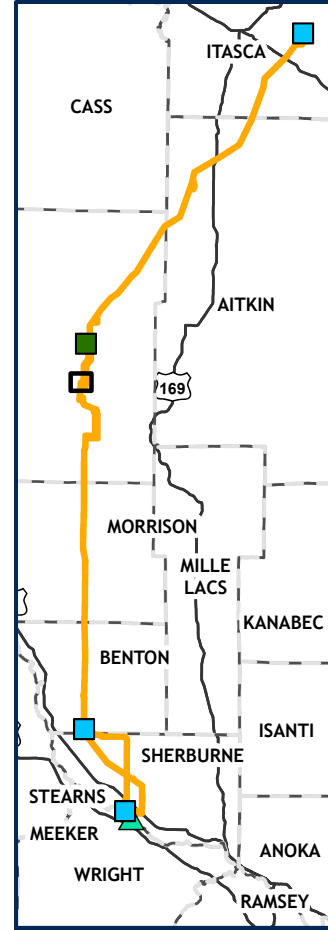


### Detailed Map Modified Proposed Route PAGE 26 OF 64

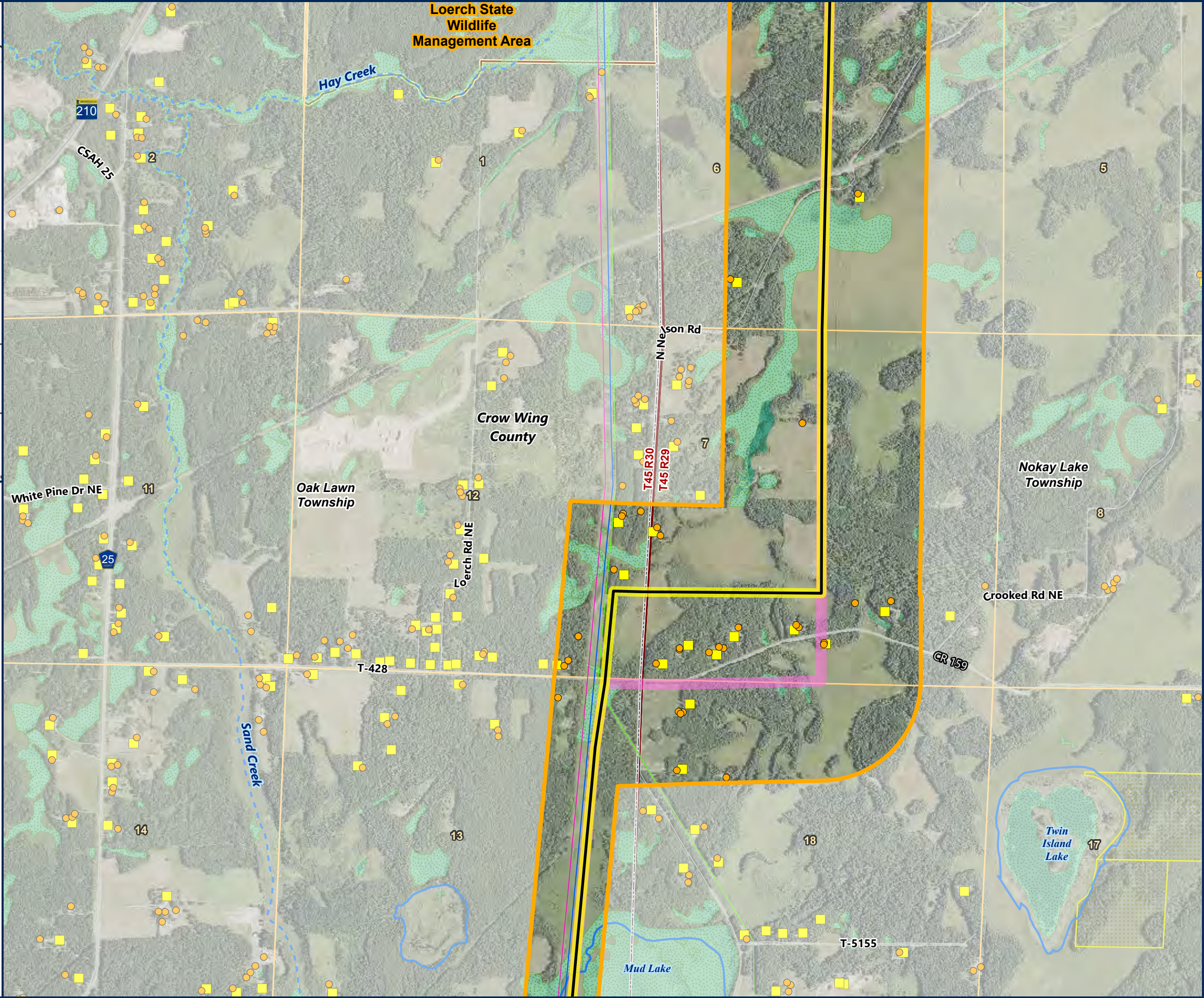
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- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT BP LINE, 69KV
- SHIFT MR LINE, 230KV
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- EXISTING TRANSMISSION LINE
  - 69 KV
  - 115 KV
  - 230 KV
- SUBSTATION SITING AREA
- BIG OAKS SUBSTATION AREA
- RESIDENCE
- NOT A RESIDENCE
- PWI WATERCOURSE
- PWI WATERBODY
- NON-FORESTED WETLAND
- FORESTED WETLAND
- WILDLIFE MANAGEMENT AREA
- STATE CONSERVATION EASEMENT
- FEDERAL CONSERVATION EASEMENT
- AQUATIC MANAGEMENT AREA
- STATE FOREST
- STATE PARK
- OTHER DNR LAND
- COUNTY BOUNDARY

**Detailed Map**  
**Modified Proposed Route**  
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Path: \\mspe-gis-file\GISProj\MinPower\10348886\_NRP\7.2\_WIP\map\_docs\PRO\_projects\NRP\_Figures\NRP\_Figures\_Sept19\_2024\Letter.aprx



**Northland Reliability Project**

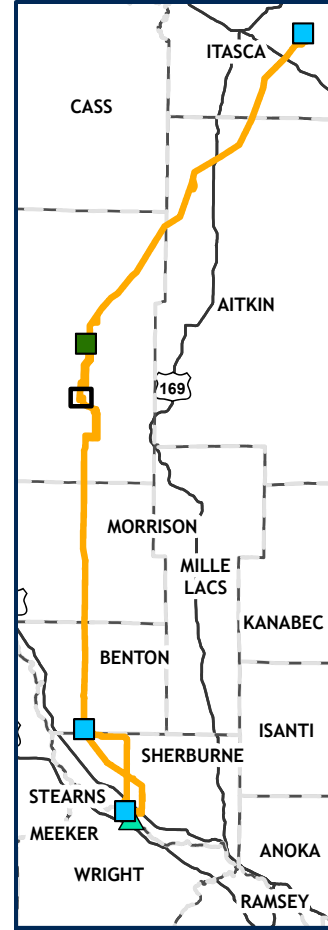


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- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT BP LINE, 69KV
- SHIFT MR LINE, 230KV
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- EXISTING TRANSMISSION LINE
  - 69 KV
  - 115 KV
  - 230 KV
- SUBSTATION SITING AREA
- BIG OAKS SUBSTATION AREA
- RESIDENCE
- NOT A RESIDENCE
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- PWI WATERBODY
- NON-FORESTED WETLAND
- FORESTED WETLAND
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- COUNTY BOUNDARY

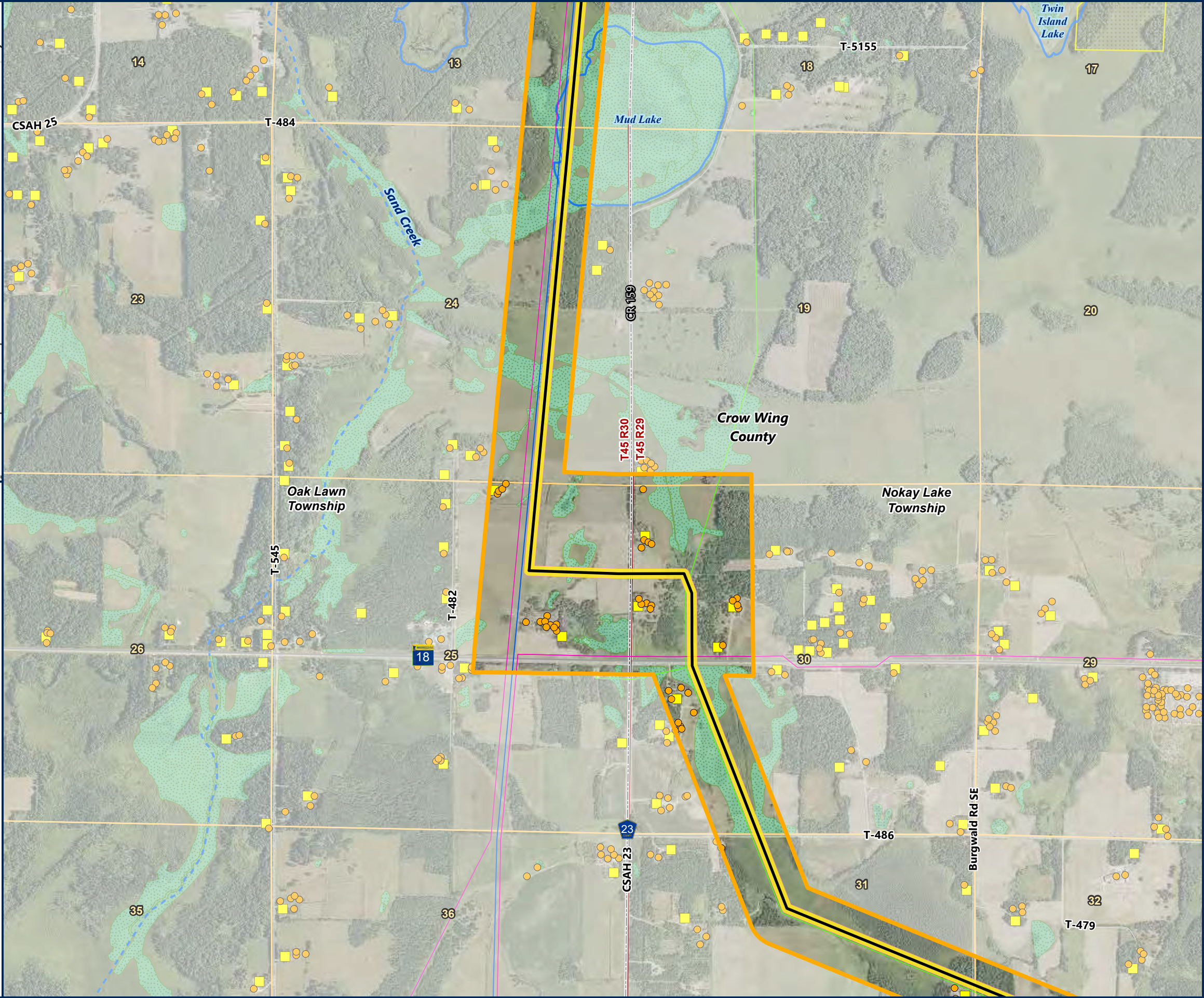


**Detailed Map**  
**Modified Proposed Route**  
 PAGE 28 OF 64

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**Northland Reliability Project**



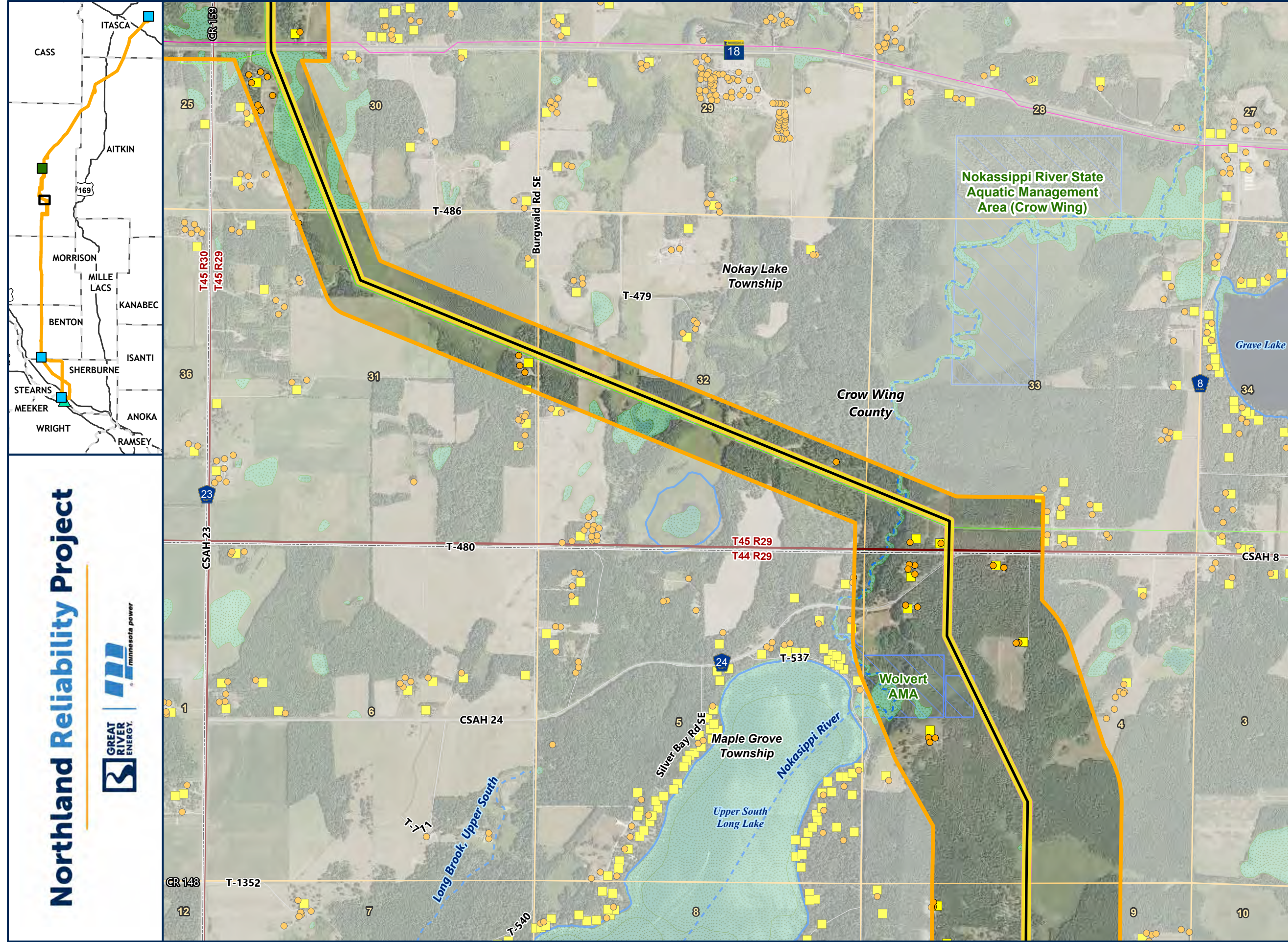
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- REBUILD EXISTING 69KV
- SHIFT BP LINE, 69KV
- SHIFT MR LINE, 230KV
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- EXISTING TRANSMISSION LINE
  - 69 KV
  - 115 KV
  - 230 KV
- SUBSTATION SITING AREA
- BIG OAKS SUBSTATION AREA
- RESIDENCE
- NOT A RESIDENCE
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- PWI WATERBODY
- NON-FORESTED WETLAND
- FORESTED WETLAND
- WILDLIFE MANAGEMENT AREA
- STATE CONSERVATION EASEMENT
- FEDERAL CONSERVATION EASEMENT
- AQUATIC MANAGEMENT AREA
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- STATE PARK
- OTHER DNR LAND
- COUNTY BOUNDARY





**Detailed Map**  
**Modified Proposed Route**  
 PAGE 29 OF 64

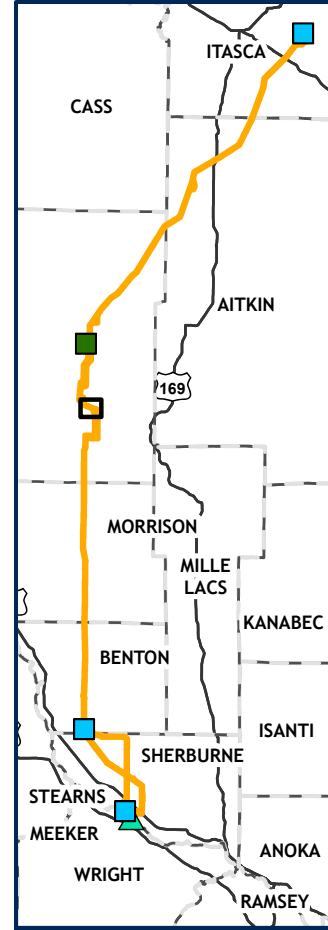
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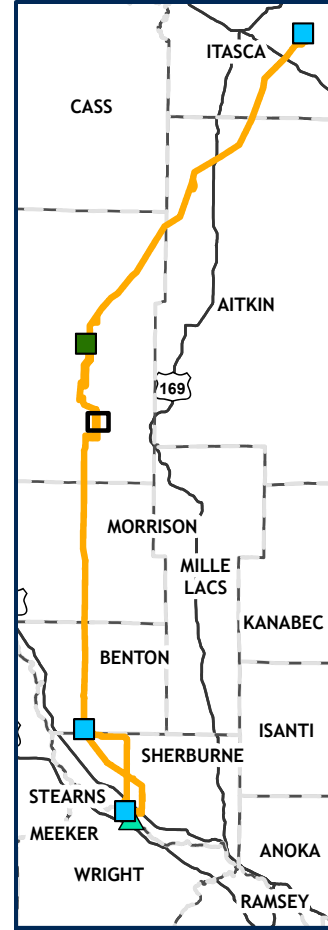
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- APPLICATION RIGHT OF WAY
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- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT BP LINE, 69KV
- SHIFT MR LINE, 230KV
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- EXISTING TRANSMISSION LINE
  - 69 KV
  - 115 KV
- SUBSTATION SITING AREA
- BIG OAKS SUBSTATION AREA
- RESIDENCE
- NOT A RESIDENCE
- PWI WATERCOURSE
- PWI WATERBODY
- NON-FORESTED WETLAND
- FORESTED WETLAND
- WILDLIFE MANAGEMENT AREA
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- COUNTY BOUNDARY



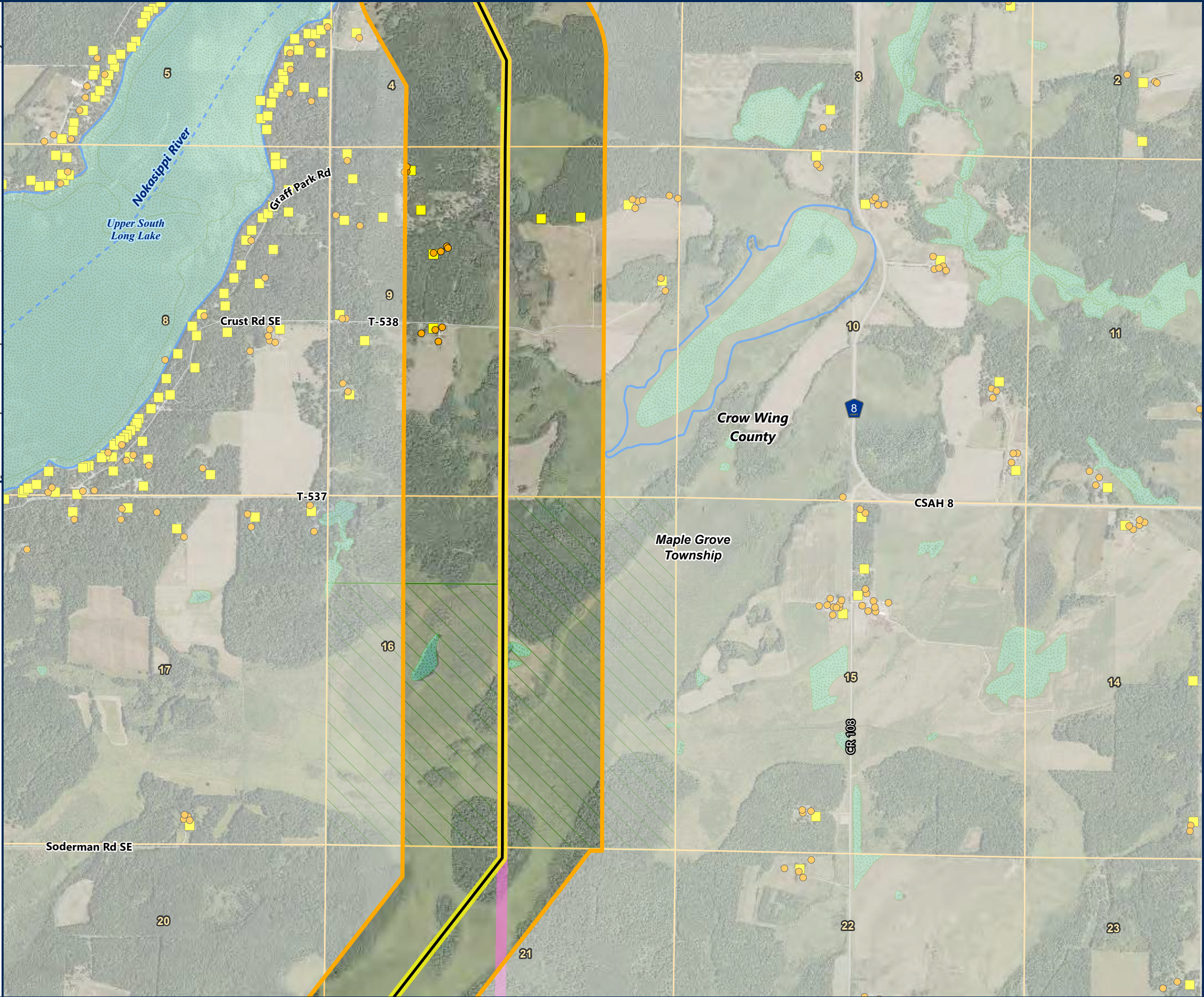
**Northland Reliability Project**



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**Northland Reliability Project**

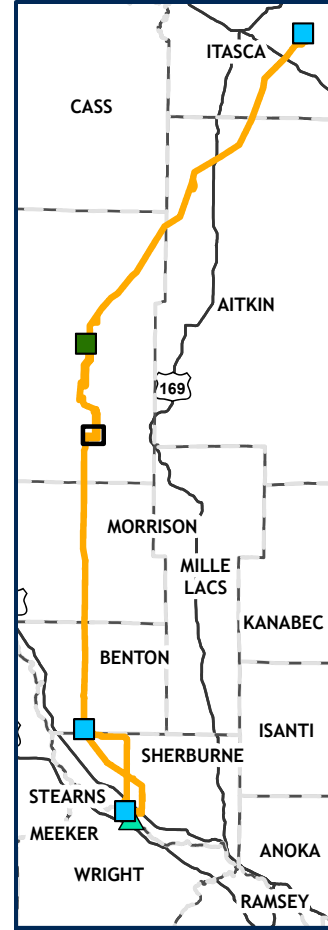


**Detailed Map  
 Modified Proposed Route  
 PAGE 30 OF 64**

- MODIFIED PROPOSED ROUTE
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- MODIFIED PROPOSED ROUTE RIGHT OF WAY
- APPLICATION RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT BP LINE, 69KV
- SHIFT MR LINE, 230KV
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- SUBSTATION SITING AREA
- BIG OAKS SUBSTATION AREA
- RESIDENCE
- NOT A RESIDENCE
- PWI WATERCOURSE
- PWI WATERBODY
- NON-FORESTED WETLAND
- FORESTED WETLAND
- WILDLIFE MANAGEMENT AREA
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- COUNTY BOUNDARY

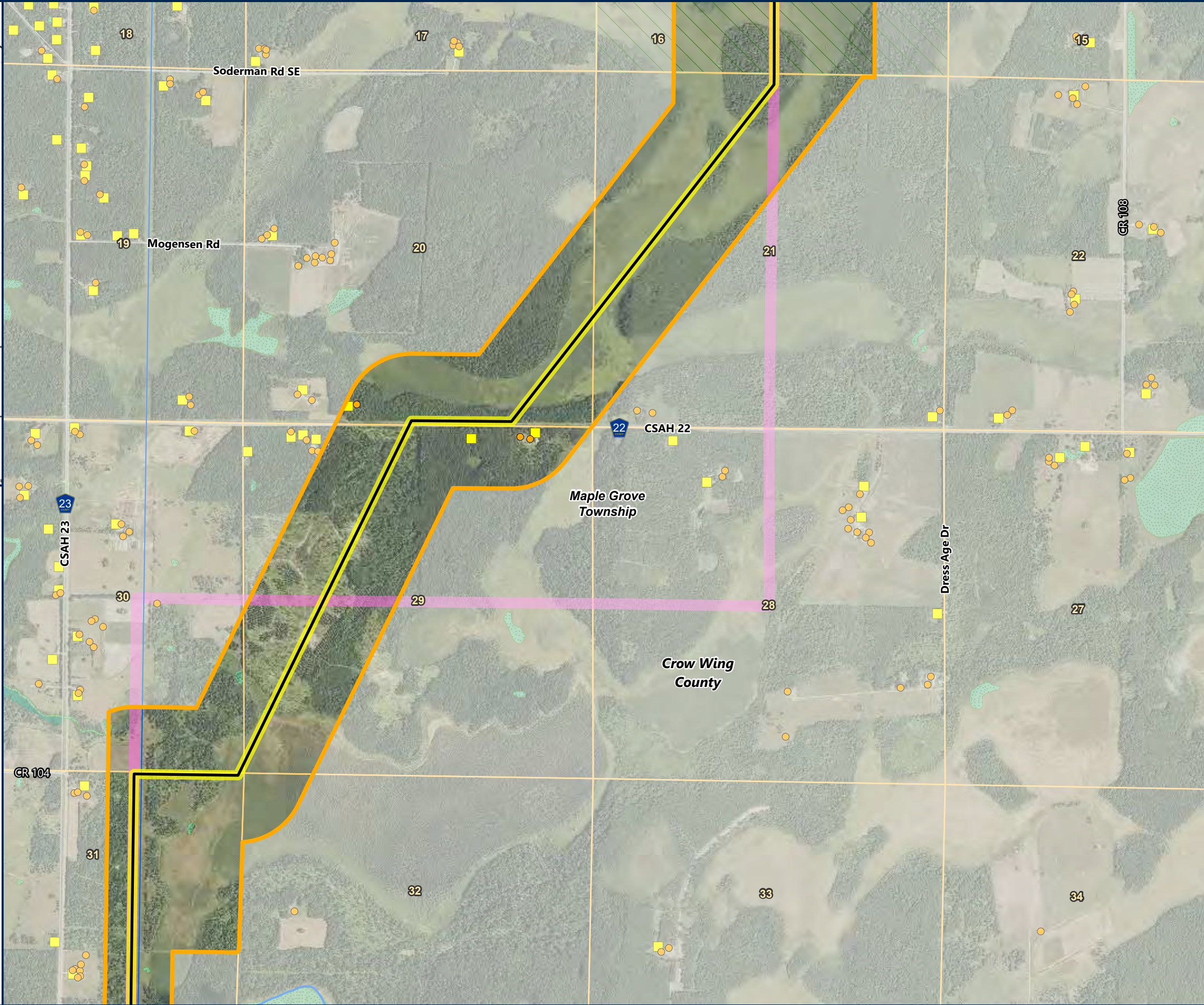
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**Northland Reliability Project**

minnesota power

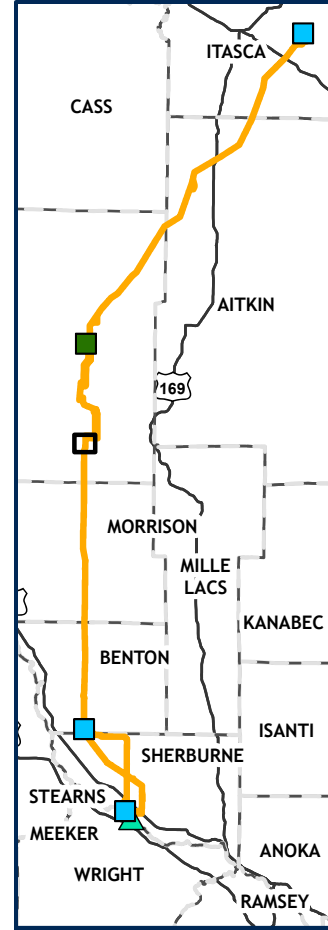


**Detailed Map  
 Modified Proposed Route  
 PAGE 31 OF 64**

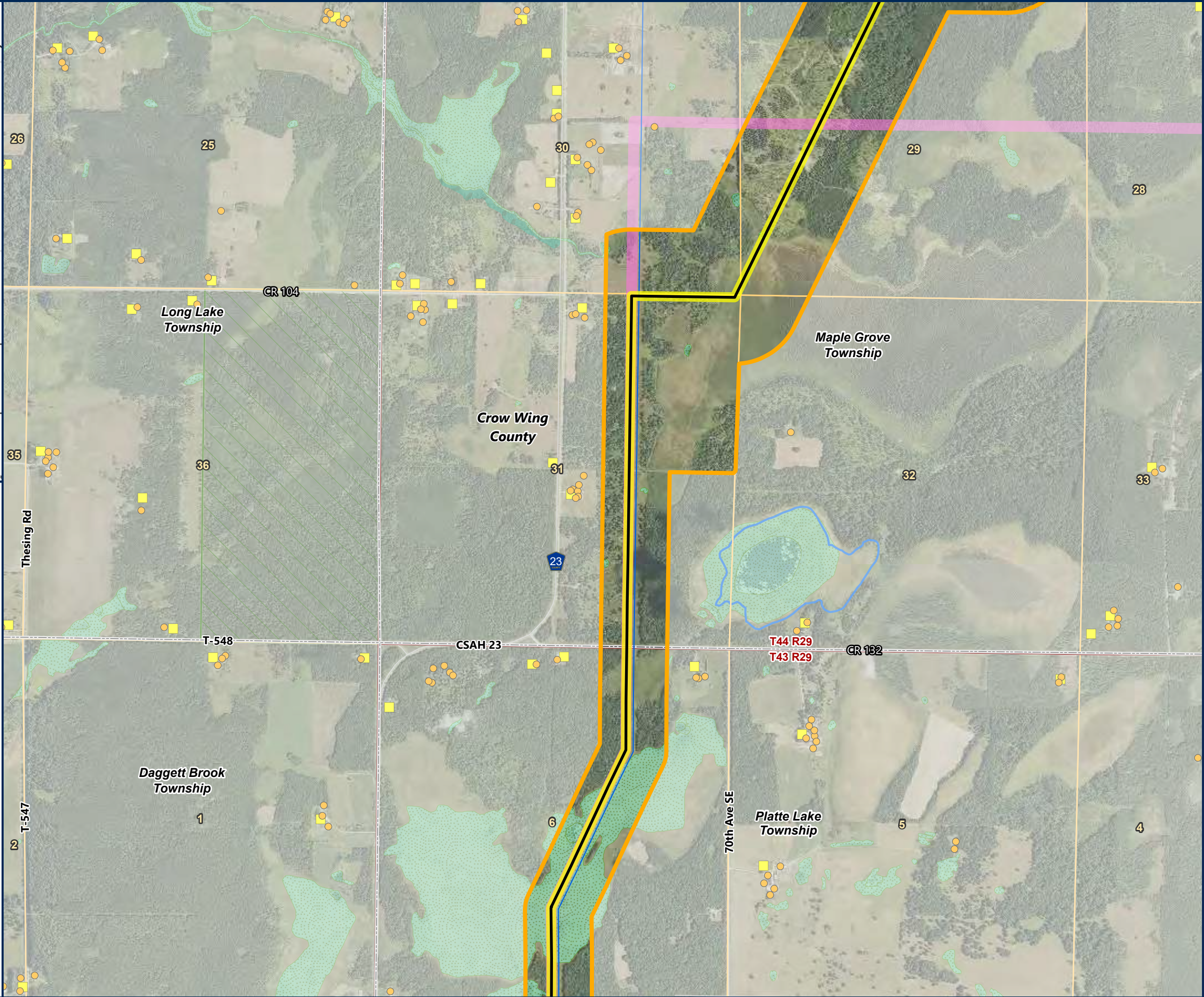
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- APPLICATION RIGHT OF WAY
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- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT BP LINE, 69KV
- SHIFT MR LINE, 230KV
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- EXISTING TRANSMISSION LINE
- 230 KV
- SUBSTATION SITING AREA
- BIG OAKS SUBSTATION AREA
- RESIDENCE
- NOT A RESIDENCE
- PWI WATERCOURSE
- PWI WATERBODY
- NON-FORESTED WETLAND
- FORESTED WETLAND
- WILDLIFE MANAGEMENT AREA
- STATE CONSERVATION EASEMENT
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- STATE PARK
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**Northland Reliability Project**

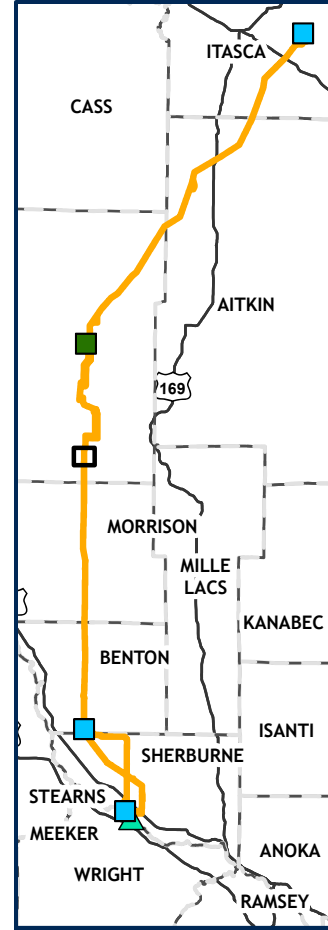


**Detailed Map  
 Modified Proposed Route  
 PAGE 32 OF 64**

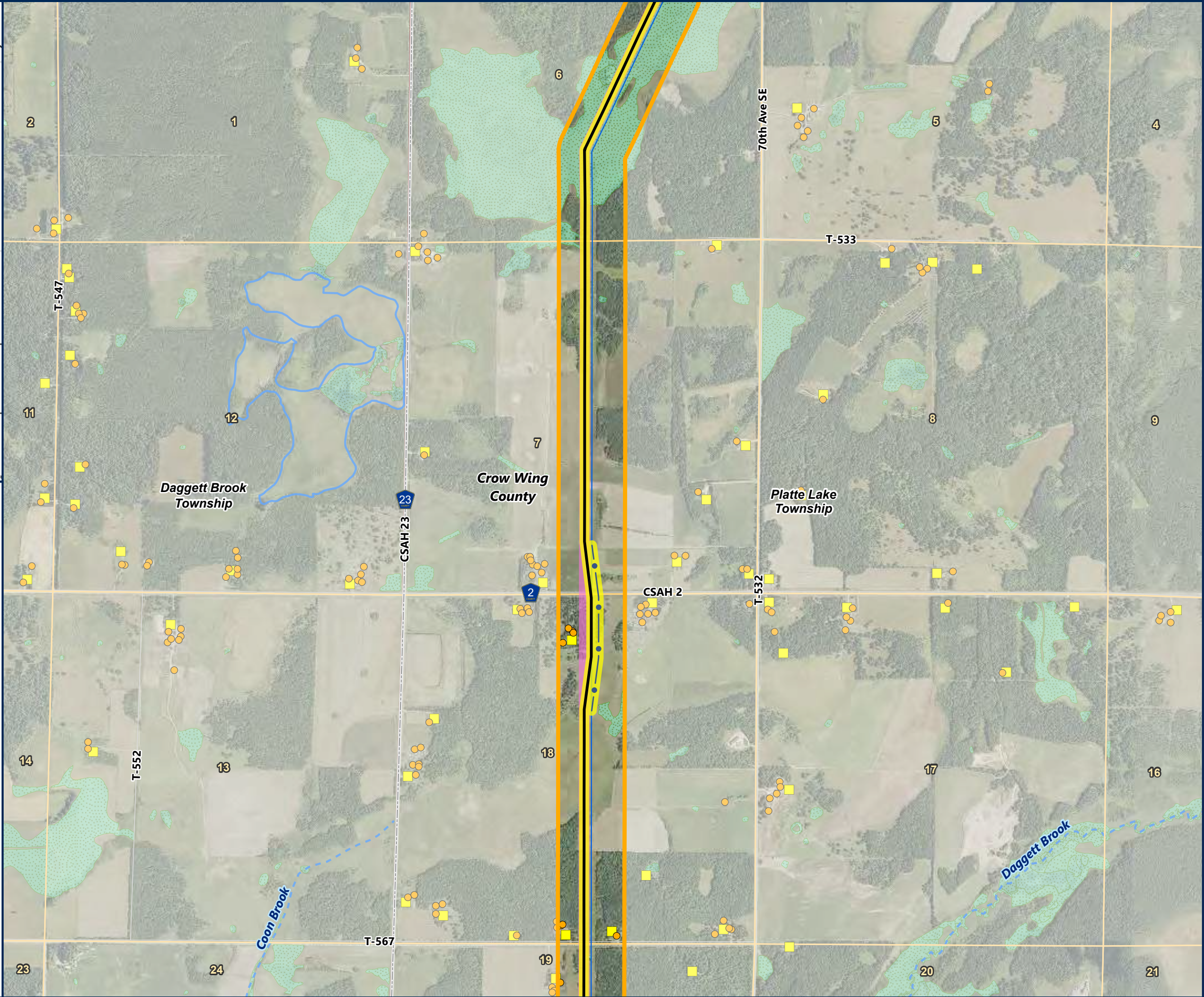
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- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT BP LINE, 69KV
- SHIFT MR LINE, 230KV
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- EXISTING TRANSMISSION LINE
  - 230 KV
- SUBSTATION SITING AREA
- BIG OAKS SUBSTATION AREA
- RESIDENCE
- NOT A RESIDENCE
- PWI WATERCOURSE
- PWI WATERBODY
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- FORESTED WETLAND
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- STATE CONSERVATION EASEMENT
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- OTHER DNR LAND
- COUNTY BOUNDARY

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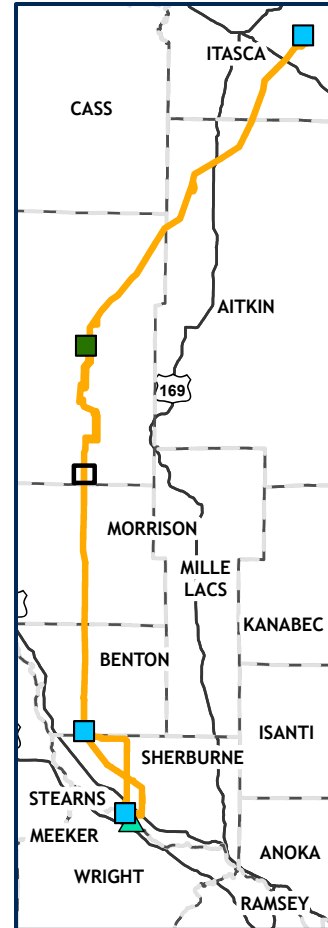
# Northland Reliability Project



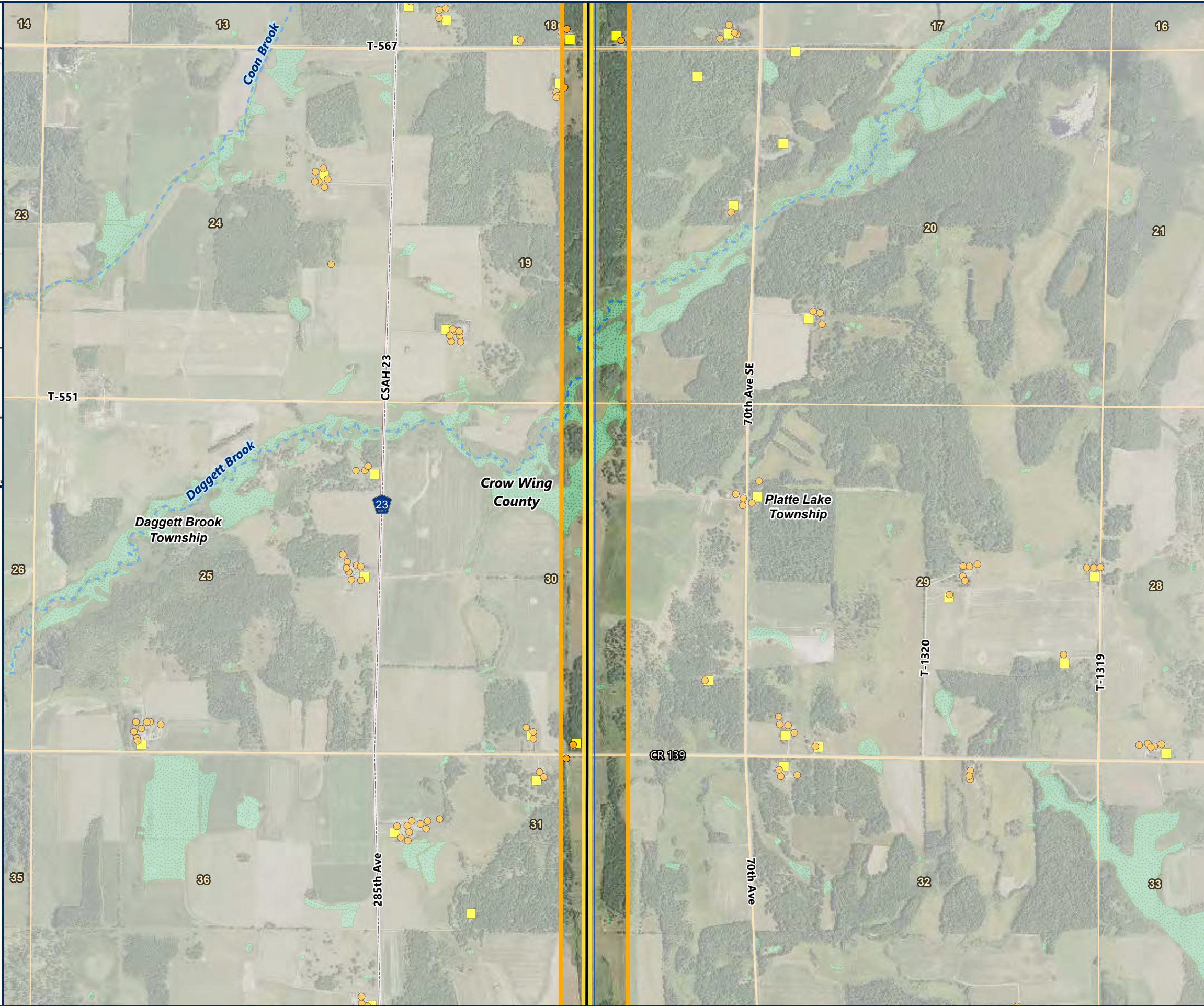
### Detailed Map Modified Proposed Route PAGE 33 OF 64

- MODIFIED PROPOSED ROUTE
- MODIFIED PROPOSED ROUTE CENTERLINE
- MODIFIED PROPOSED ROUTE RIGHT OF WAY
- APPLICATION RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT BP LINE, 69KV
- SHIFT MR LINE, 230KV
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- EXISTING TRANSMISSION LINE**
- 230 KV
- SUBSTATION SITING AREA
- BIG OAKS SUBSTATION AREA
- RESIDENCE
- NOT A RESIDENCE
- PWI WATERCOURSE
- PWI WATERBODY
- NON-FORESTED WETLAND
- FORESTED WETLAND
- WILDLIFE MANAGEMENT AREA
- STATE CONSERVATION EASEMENT
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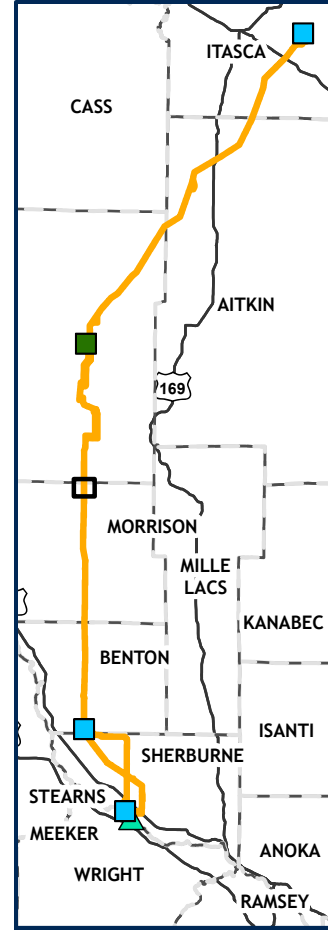


## Detailed Map Modified Proposed Route PAGE 34 OF 64

- MODIFIED PROPOSED ROUTE
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- MODIFIED PROPOSED ROUTE RIGHT OF WAY
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- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT BP LINE, 69KV
- SHIFT MR LINE, 230KV
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- EXISTING TRANSMISSION LINE
  - 230 KV
- SUBSTATION SITING AREA
- BIG OAKS SUBSTATION AREA
- RESIDENCE
- NOT A RESIDENCE
- PWI WATERCOURSE
- PWI WATERBODY
- NON-FORESTED WETLAND
- FORESTED WETLAND
- WILDLIFE MANAGEMENT AREA
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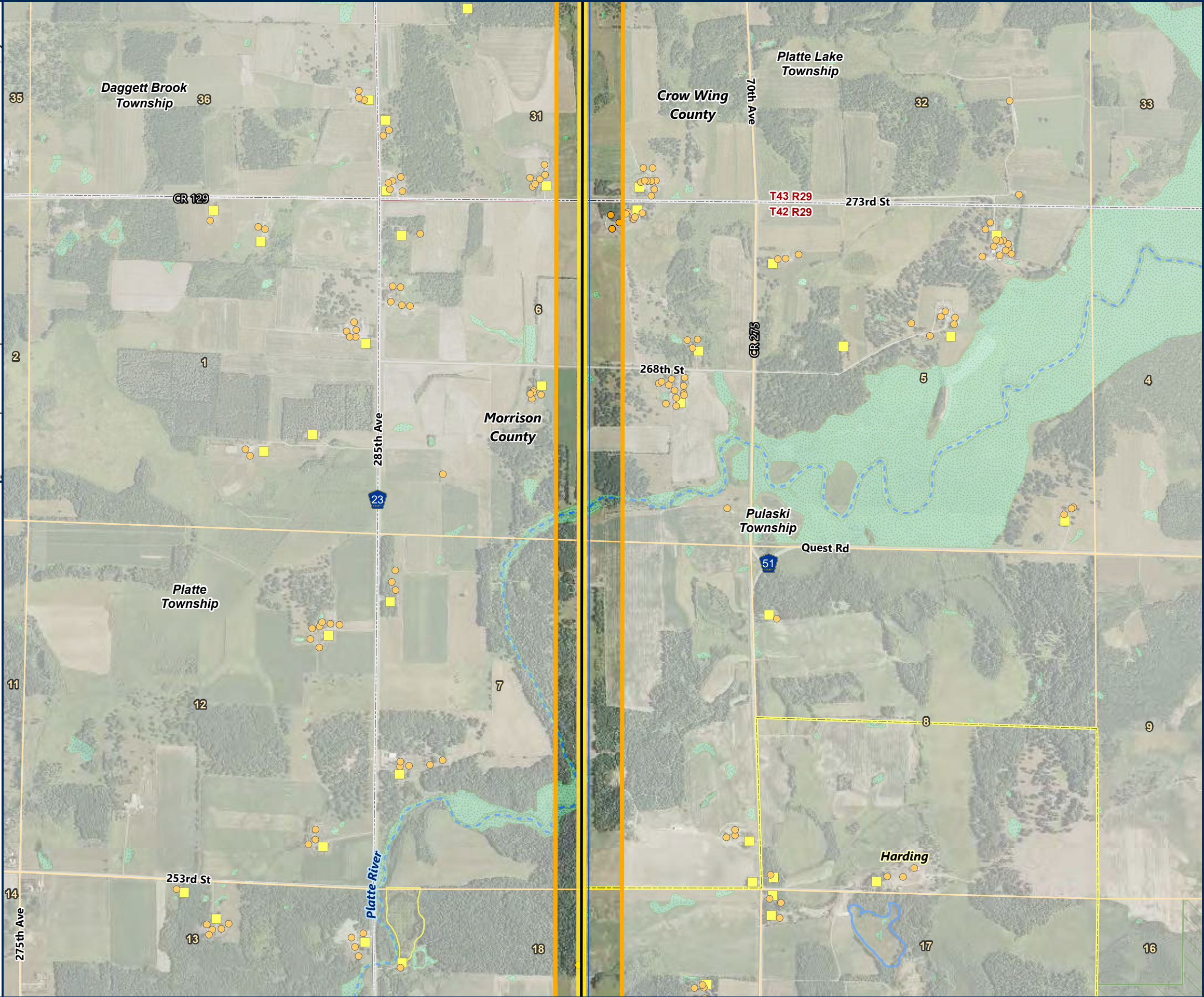


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# Northland Reliability Project



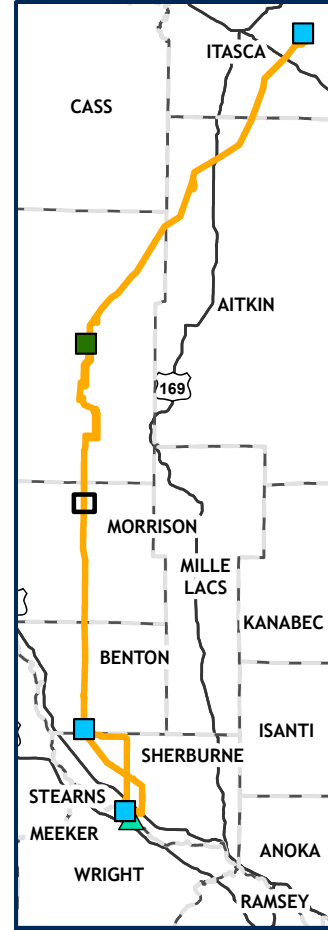


### Detailed Map Modified Proposed Route PAGE 35 OF 64

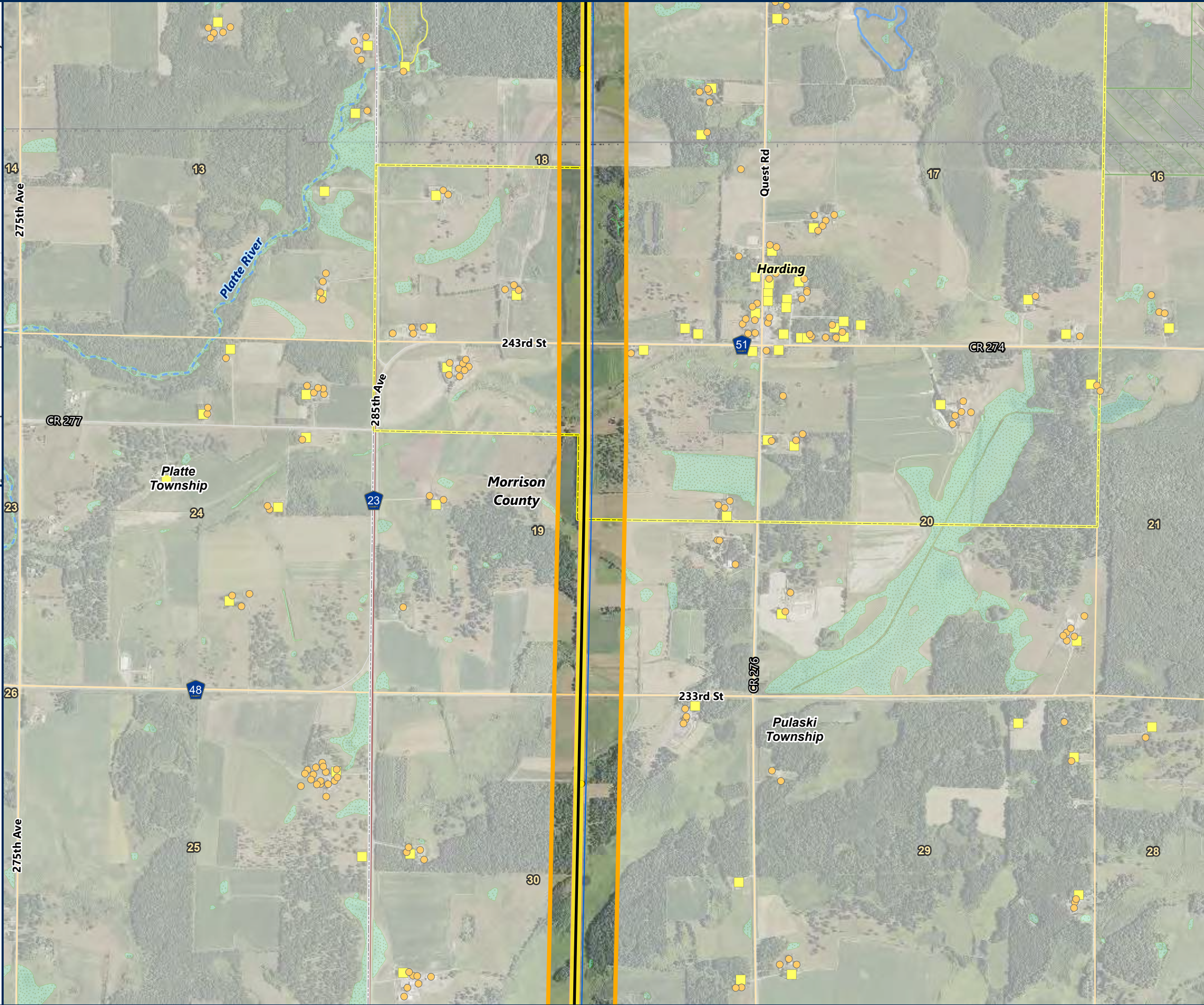
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-  MODIFIED PROPOSED ROUTE CENTERLINE
-  MODIFIED PROPOSED ROUTE RIGHT OF WAY
-  APPLICATION RIGHT OF WAY
-  REPLACE GRE-BS LINE
-  REPLACE MR LINE
-  REBUILD EXISTING 69KV
-  SHIFT BP LINE, 69KV
-  SHIFT MR LINE, 230KV
-  SHIFT 11 LINE, 115KV
-  SHIFT 92 LINE, 230KV
- EXISTING TRANSMISSION LINE**
-  230 KV
-  SUBSTATION SITING AREA
-  BIG OAKS SUBSTATION AREA
-  RESIDENCE
-  NOT A RESIDENCE
-  PWI WATERCOURSE
-  PWI WATERBODY
-  NON-FORESTED WETLAND
-  FORESTED WETLAND
-  WILDLIFE MANAGEMENT AREA
-  STATE CONSERVATION EASEMENT
-  FEDERAL CONSERVATION EASEMENT
-  AQUATIC MANAGEMENT AREA
-  STATE FOREST
-  STATE PARK
-  OTHER DNR LAND
-  COUNTY BOUNDARY
-  MUNICIPAL BOUNDARY

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# Northland Reliability Project



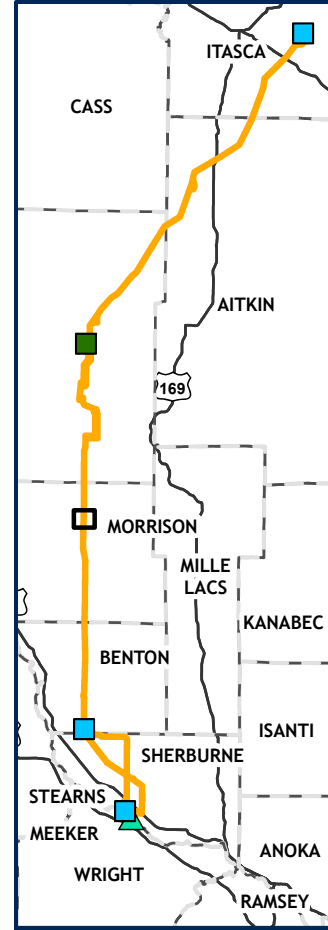
## Detailed Map Modified Proposed Route PAGE 36 OF 64

- MODIFIED PROPOSED ROUTE
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- REPLACE GRE-BS LINE
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- STATE PARK
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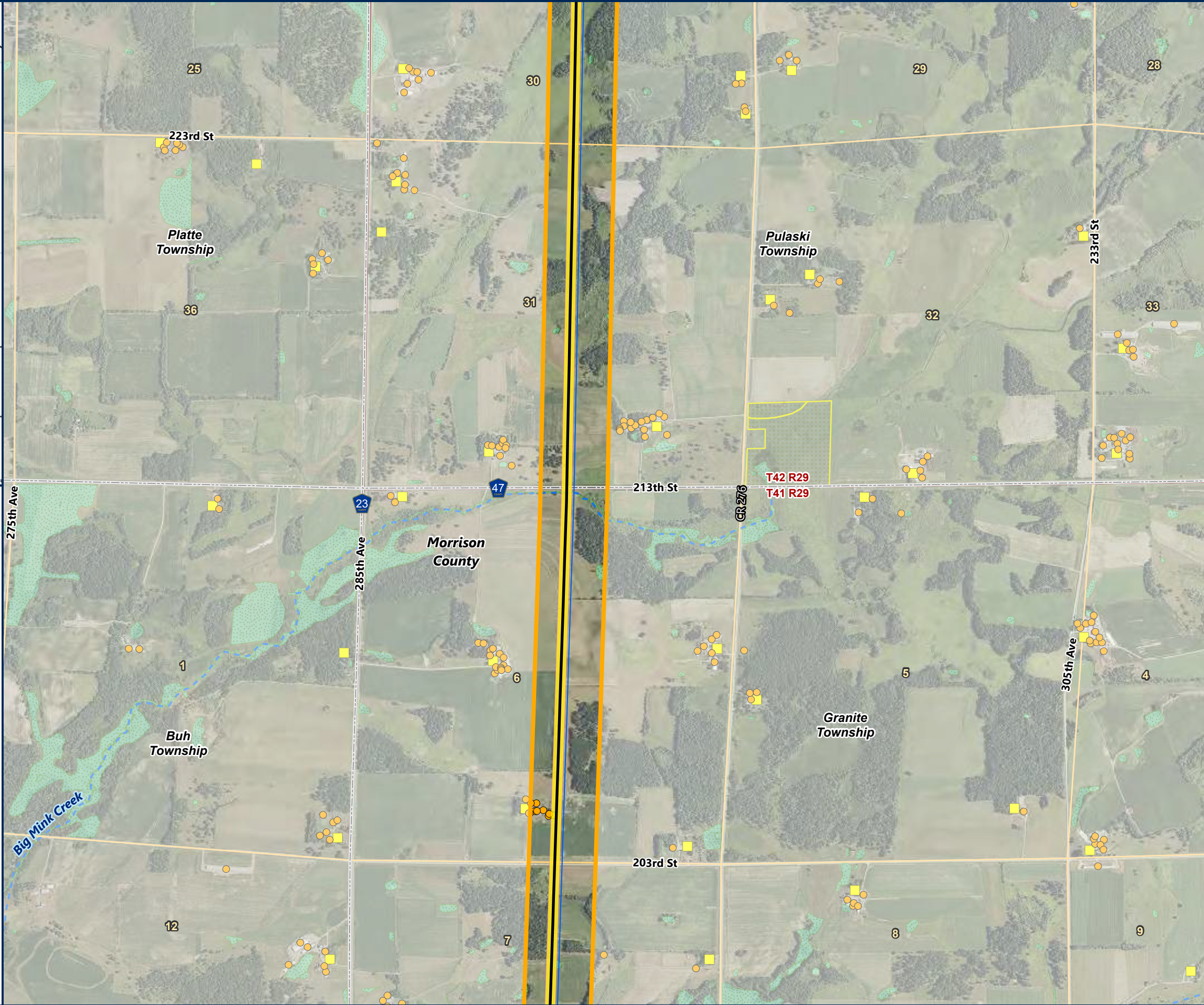




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# Northland Reliability Project

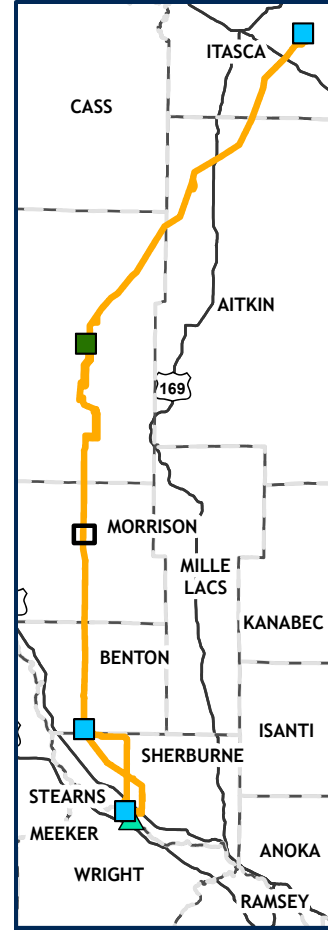


## Detailed Map Modified Proposed Route PAGE 37 OF 64

- MODIFIED PROPOSED ROUTE
- MODIFIED PROPOSED ROUTE CENTERLINE
- MODIFIED PROPOSED ROUTE RIGHT OF WAY
- APPLICATION RIGHT OF WAY
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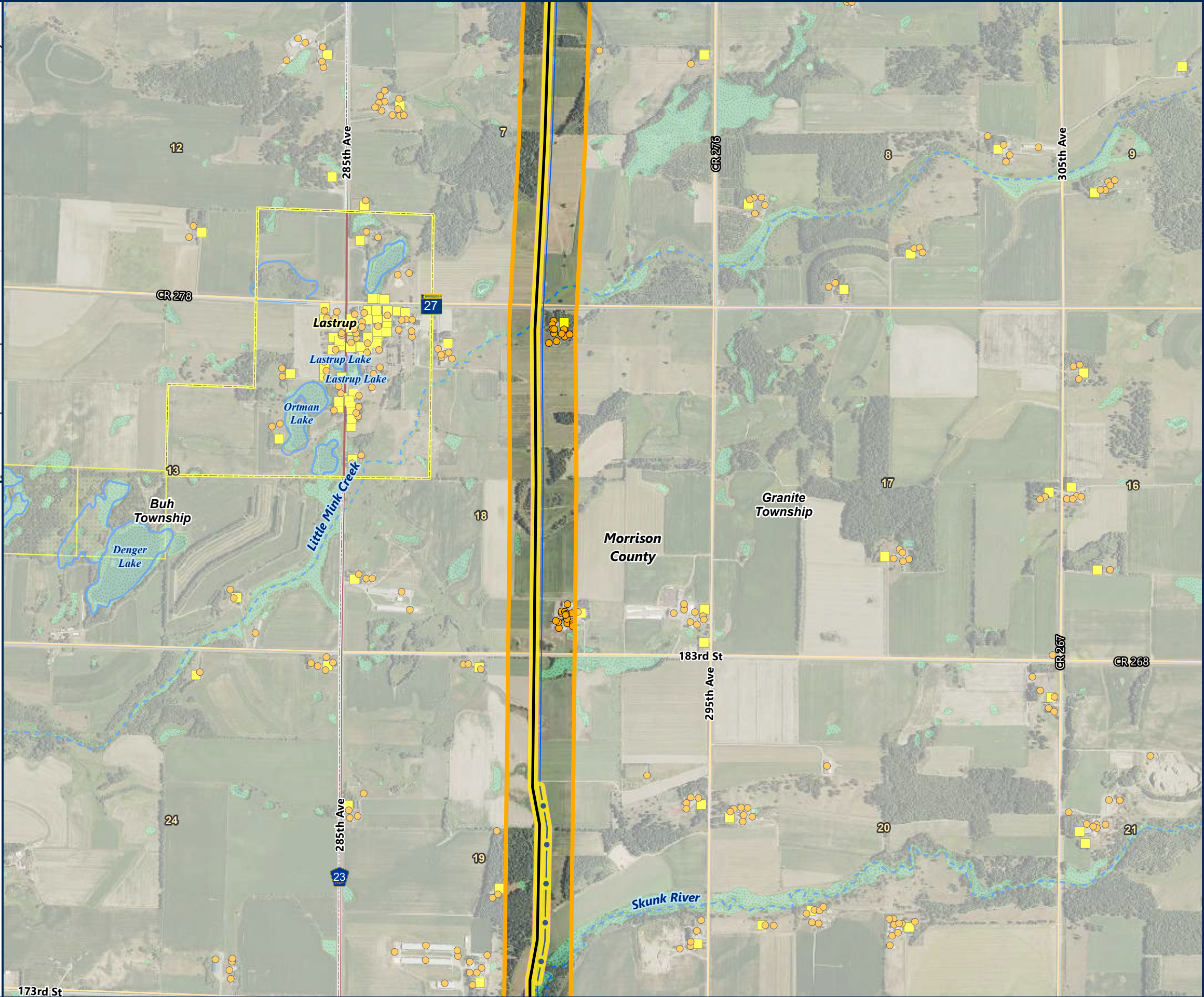


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# Northland Reliability Project





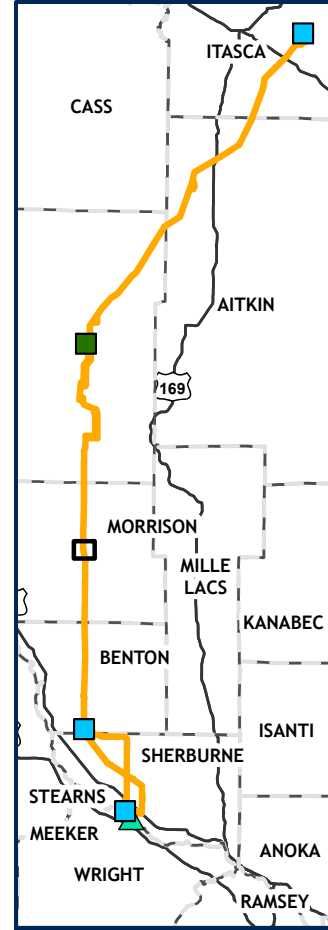
### Detailed Map Modified Proposed Route PAGE 38 OF 64

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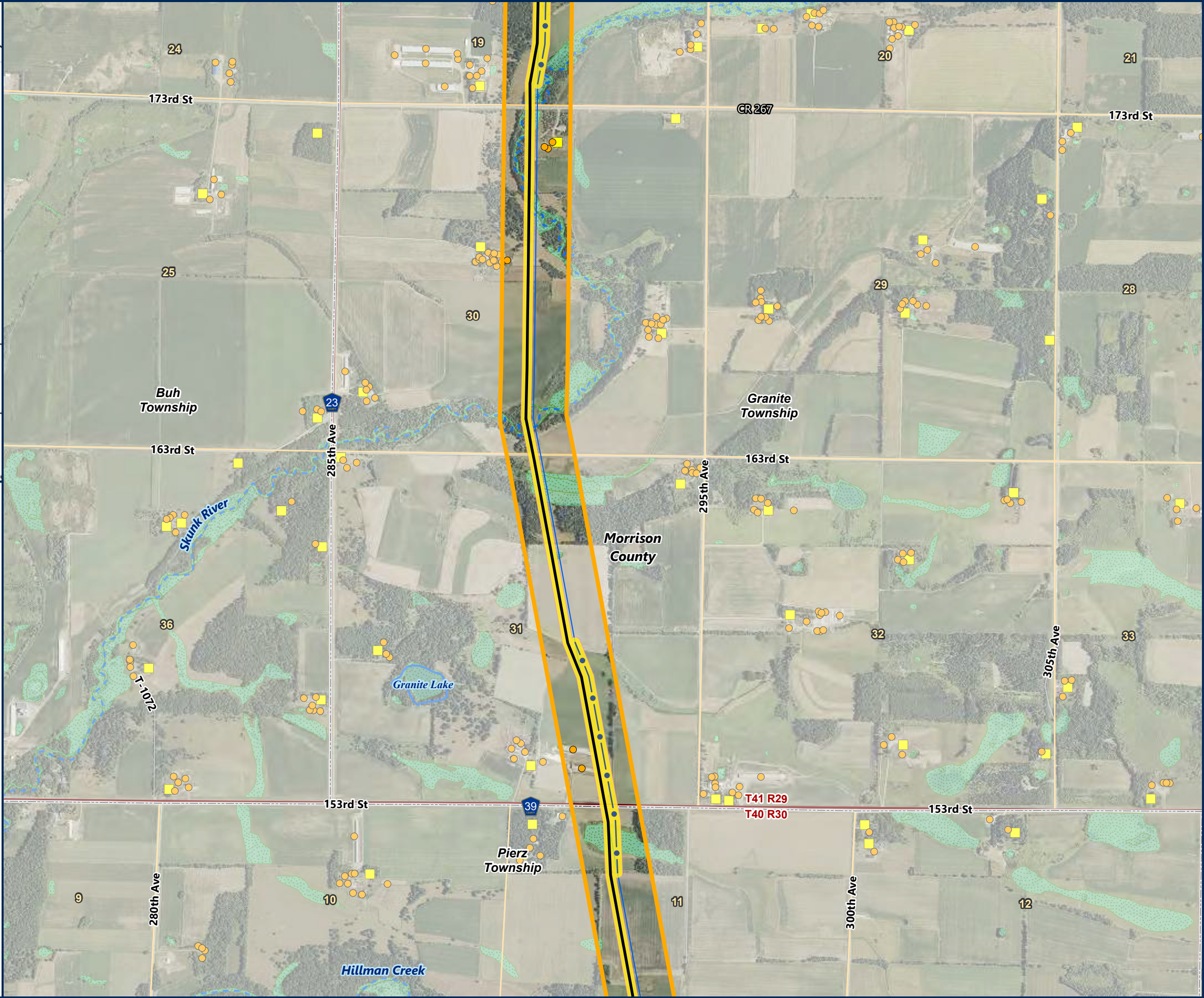
**Detailed Map**  
**Modified Proposed Route**  
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**Northland Reliability Project**

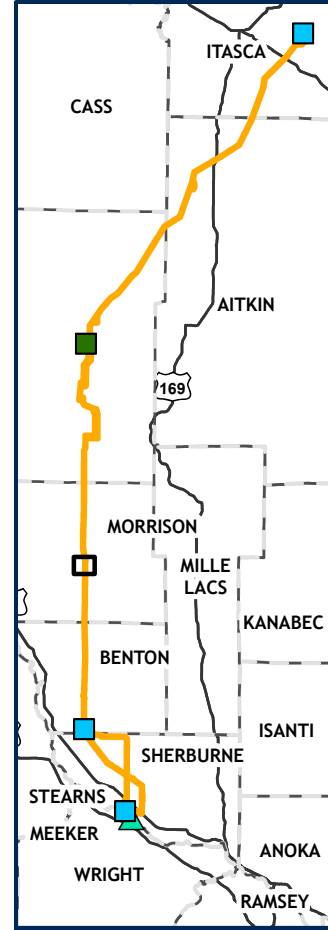
minnesota power



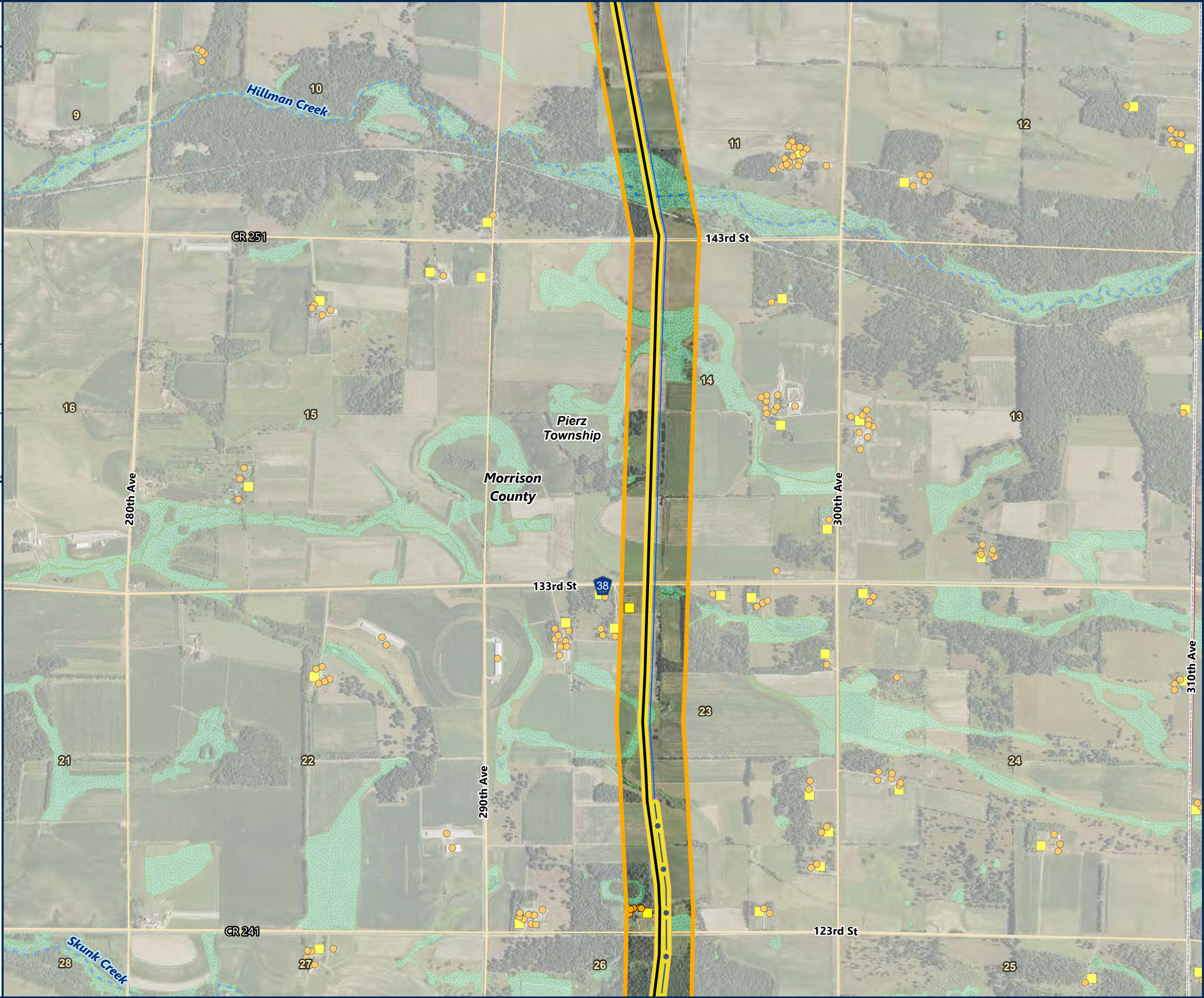
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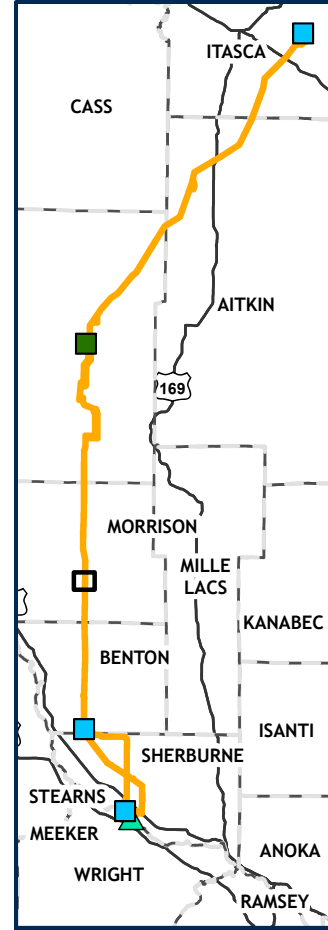
# Northland Reliability Project



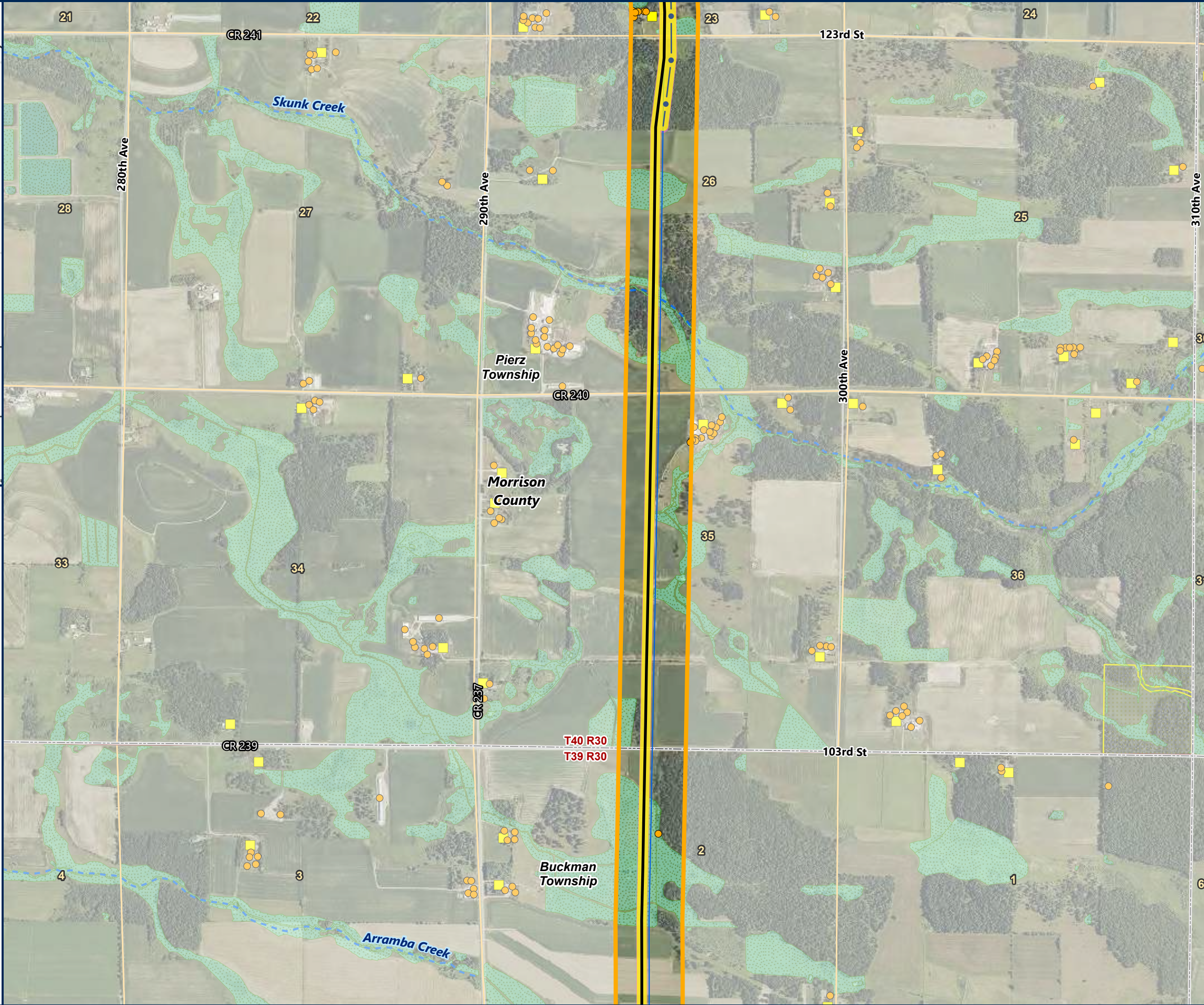
### Detailed Map Modified Proposed Route PAGE 40 OF 64

- MODIFIED PROPOSED ROUTE
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# Northland Reliability Project

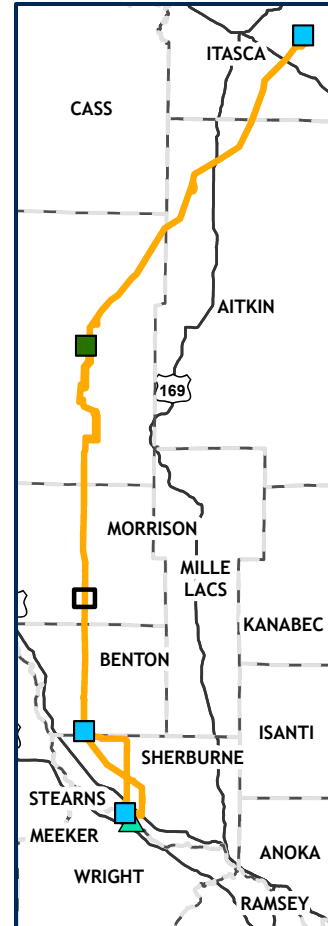


## Detailed Map Modified Proposed Route PAGE 41 OF 64

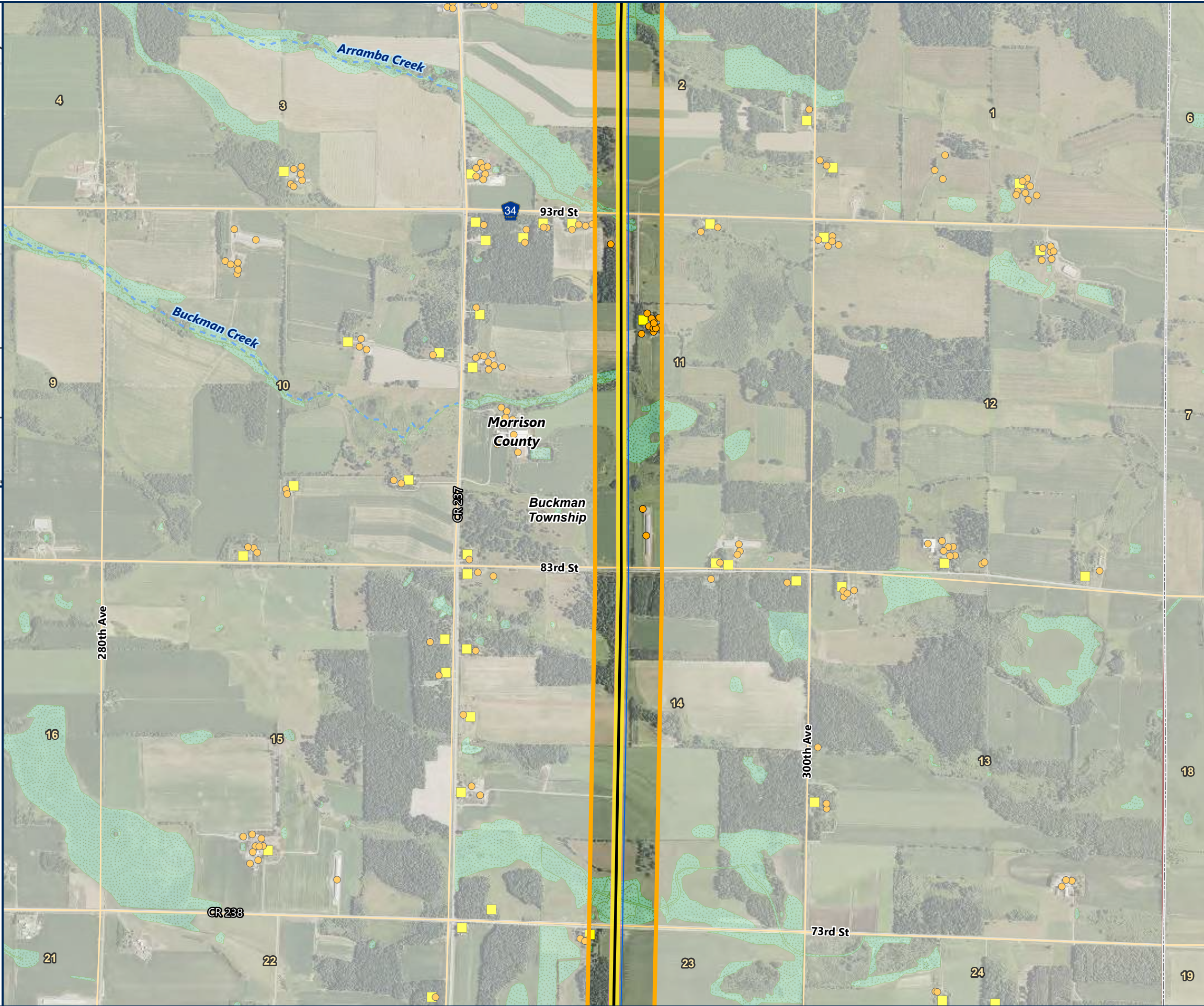
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# Northland Reliability Project



## Detailed Map Modified Proposed Route PAGE 42 OF 64

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