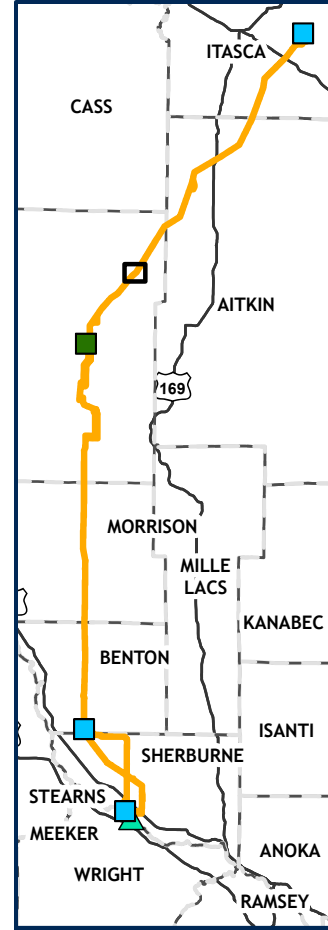
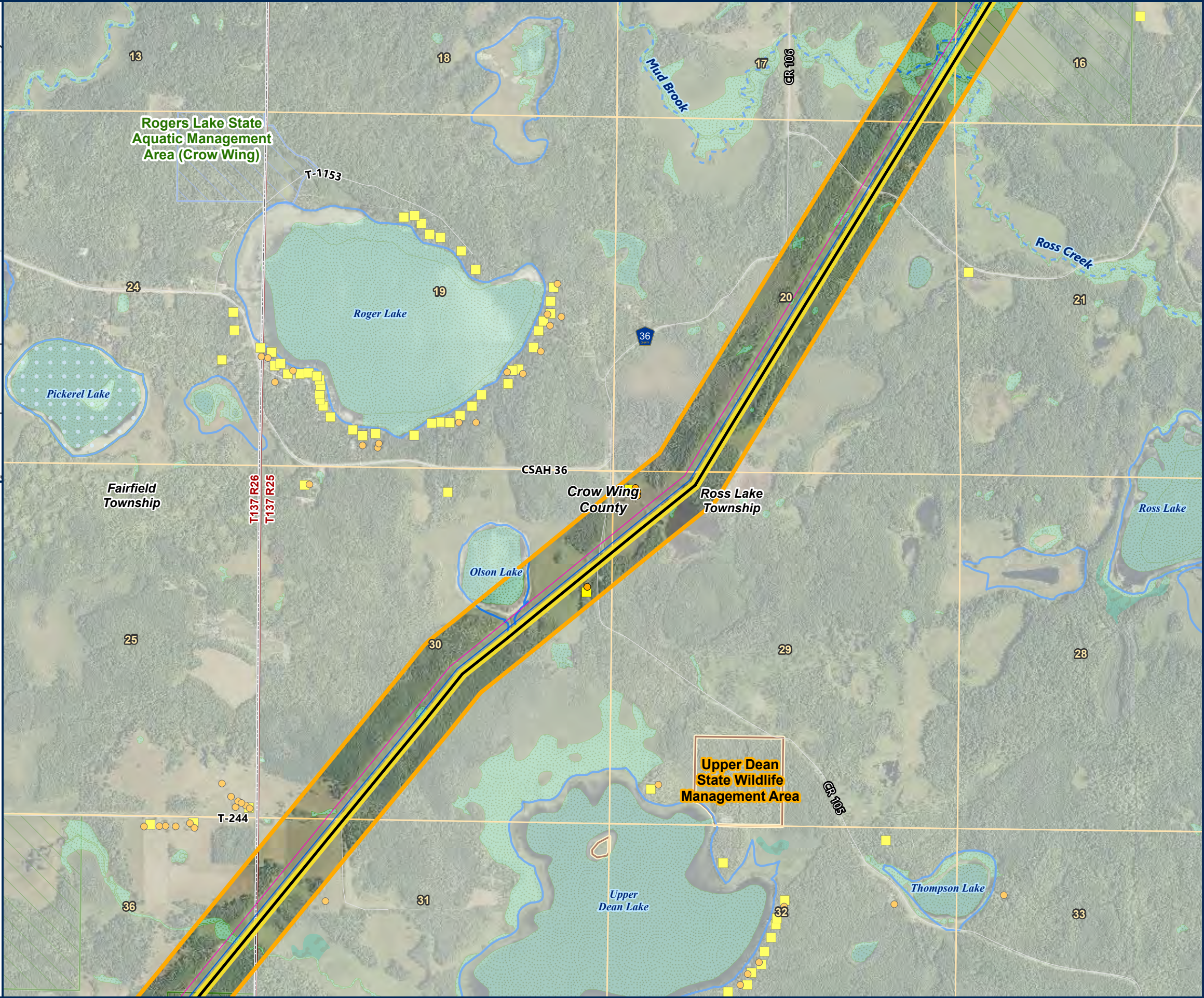


**Detailed Map
 Co-Location Maximization
 Route
 Page 19 of 64**

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Northland Reliability Project



- CO-LOCATION MAXIMIZATION ROUTE
- CO-LOCATION MAXIMIZATION ROUTE CENTERLINE
- APPLICATION RIGHT OF WAY
- CO-LOCATION MAXIMIZATION ROUTE RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT MR MODIFIED, 230KV
- DOUBLE-CIRCUIT 230/115KV (92 LINE/11 LINE)
- SHIFT DOUBLE-CIRCUIT 230/69KV (MR LINE/BP LINE)
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- REBUILD EXISTING TRANSMISSION FOR AA3 AND E1
- 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

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Detailed Map
Co-Location Maximization
Route
 Page 20 of 64

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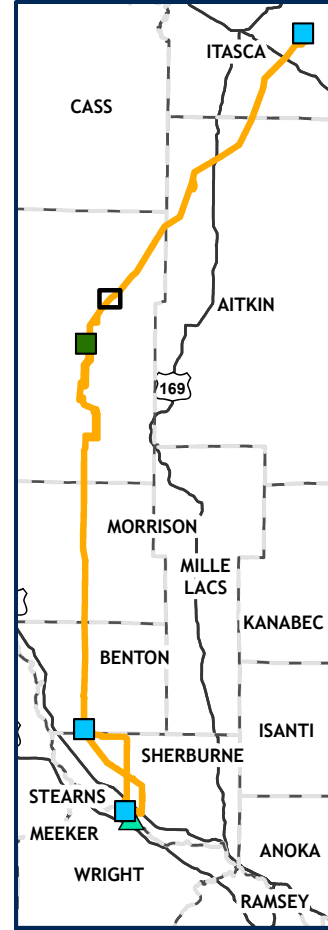
- CO-LOCATION MAXIMIZATION ROUTE
- CO-LOCATION MAXIMIZATION ROUTE CENTERLINE
- APPLICATION RIGHT OF WAY
- CO-LOCATION MAXIMIZATION ROUTE RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT MR MODIFIED, 230KV
- DOUBLE-CIRCUIT 230/115KV (92 LINE/11 LINE)
- SHIFT DOUBLE-CIRCUIT 230/69KV (MR LINE/BP LINE)
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- REBUILD EXISTING TRANSMISSION FOR AA3 AND E1
- 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

Northland Reliability Project

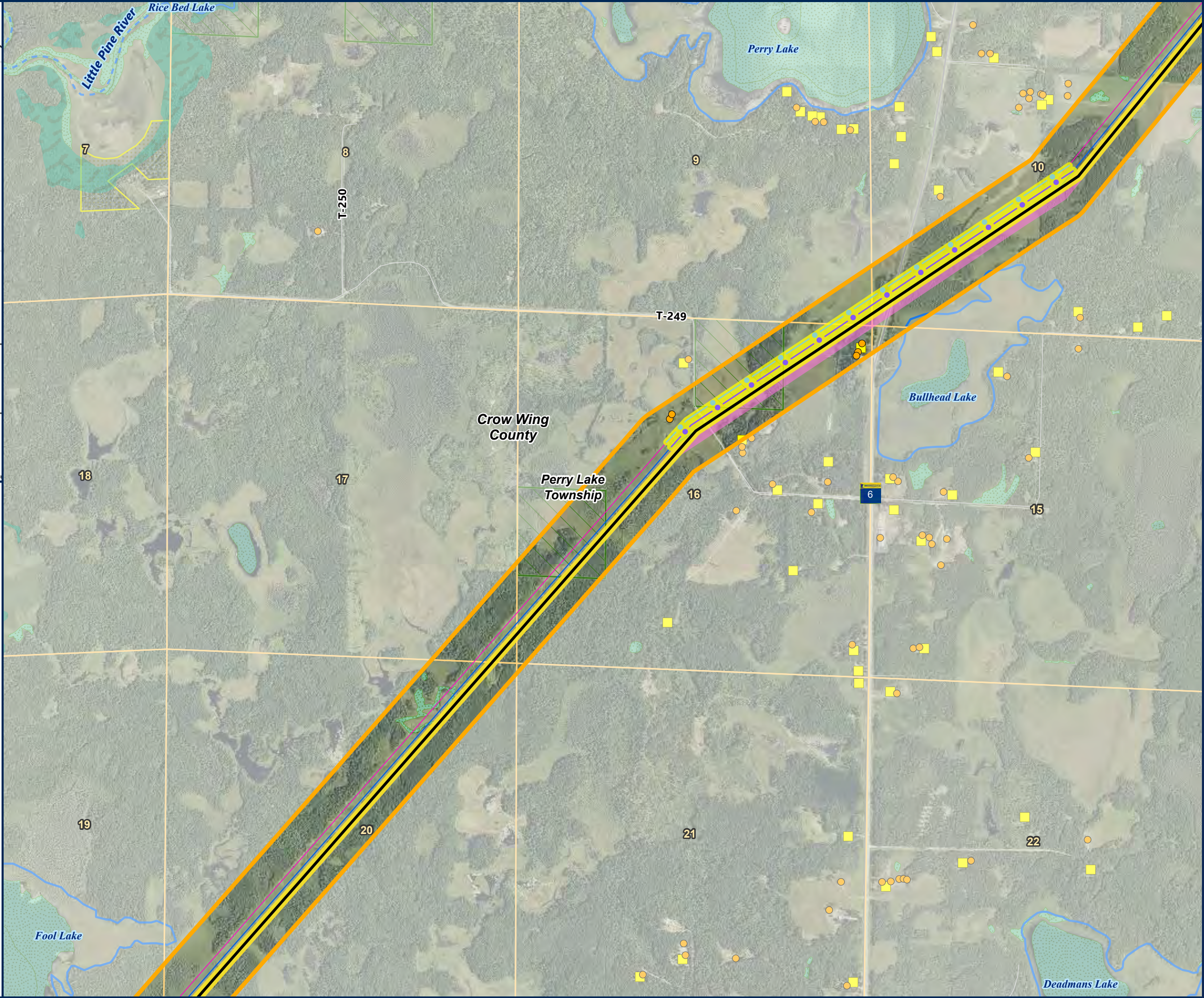


Detailed Map
Co-Location Maximization
Route
 Page 21 of 64

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Northland Reliability Project

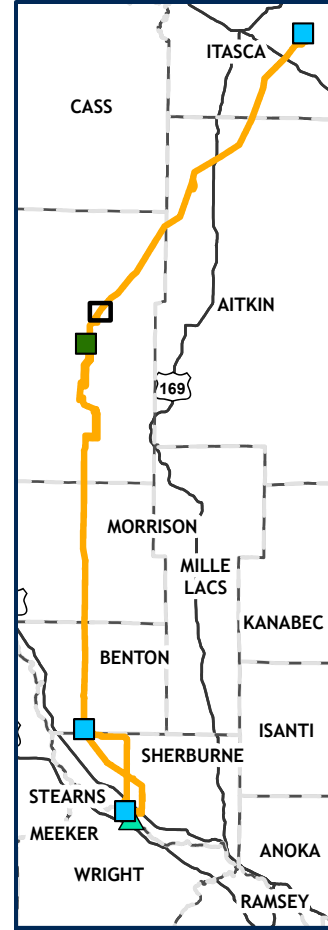


- CO-LOCATION MAXIMIZATION ROUTE
- CO-LOCATION MAXIMIZATION ROUTE CENTERLINE
- APPLICATION RIGHT OF WAY
- CO-LOCATION MAXIMIZATION ROUTE RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT MR MODIFIED, 230KV
- DOUBLE-CIRCUIT 230/115KV (92 LINE/11 LINE)
- SHIFT DOUBLE-CIRCUIT 230/69KV (MR LINE/BP LINE)
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- REBUILD EXISTING TRANSMISSION FOR AA3 AND E1
- 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

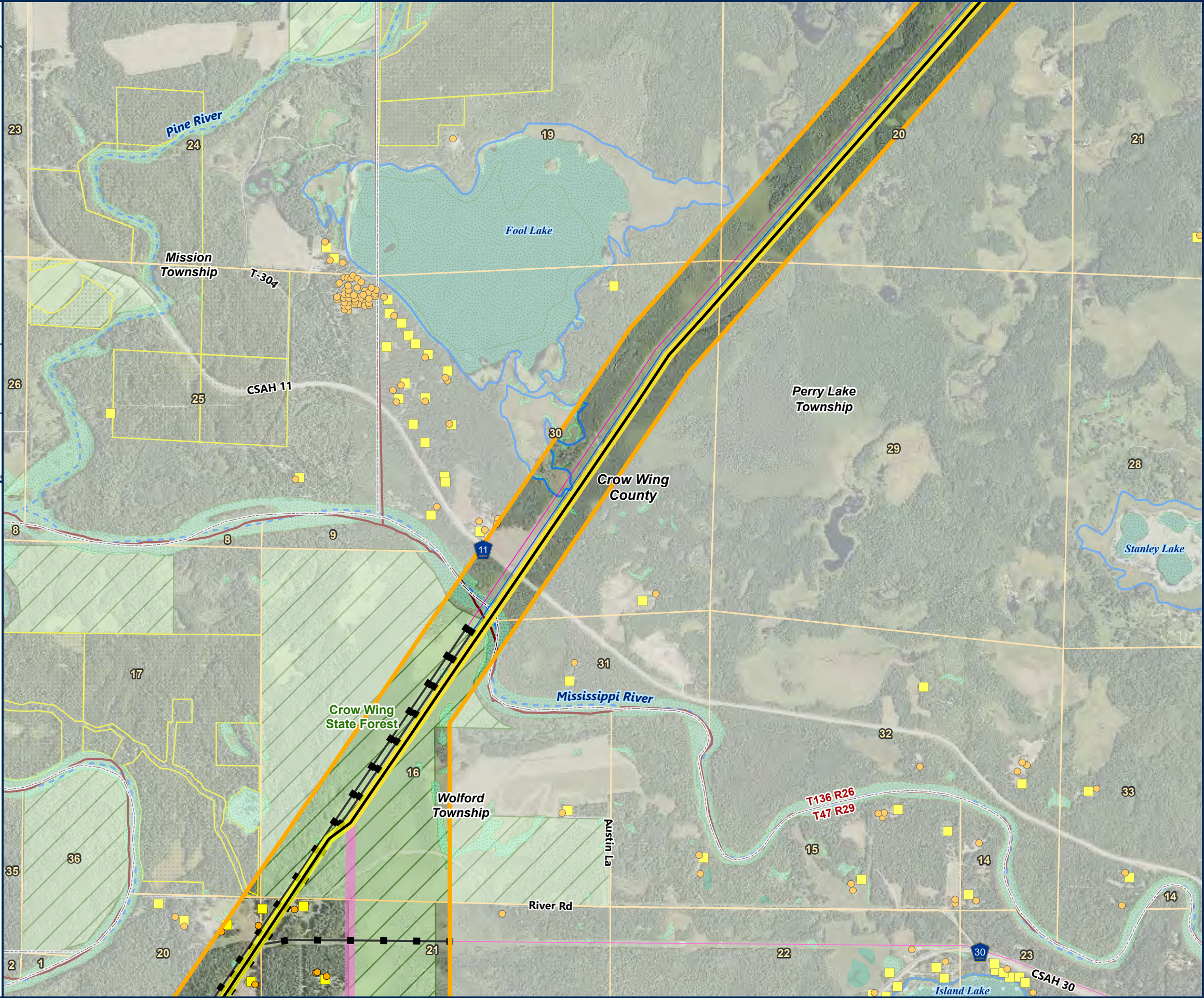


**Detailed Map
 Co-Location Maximization
 Route
 Page 22 of 64**

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Northland Reliability Project

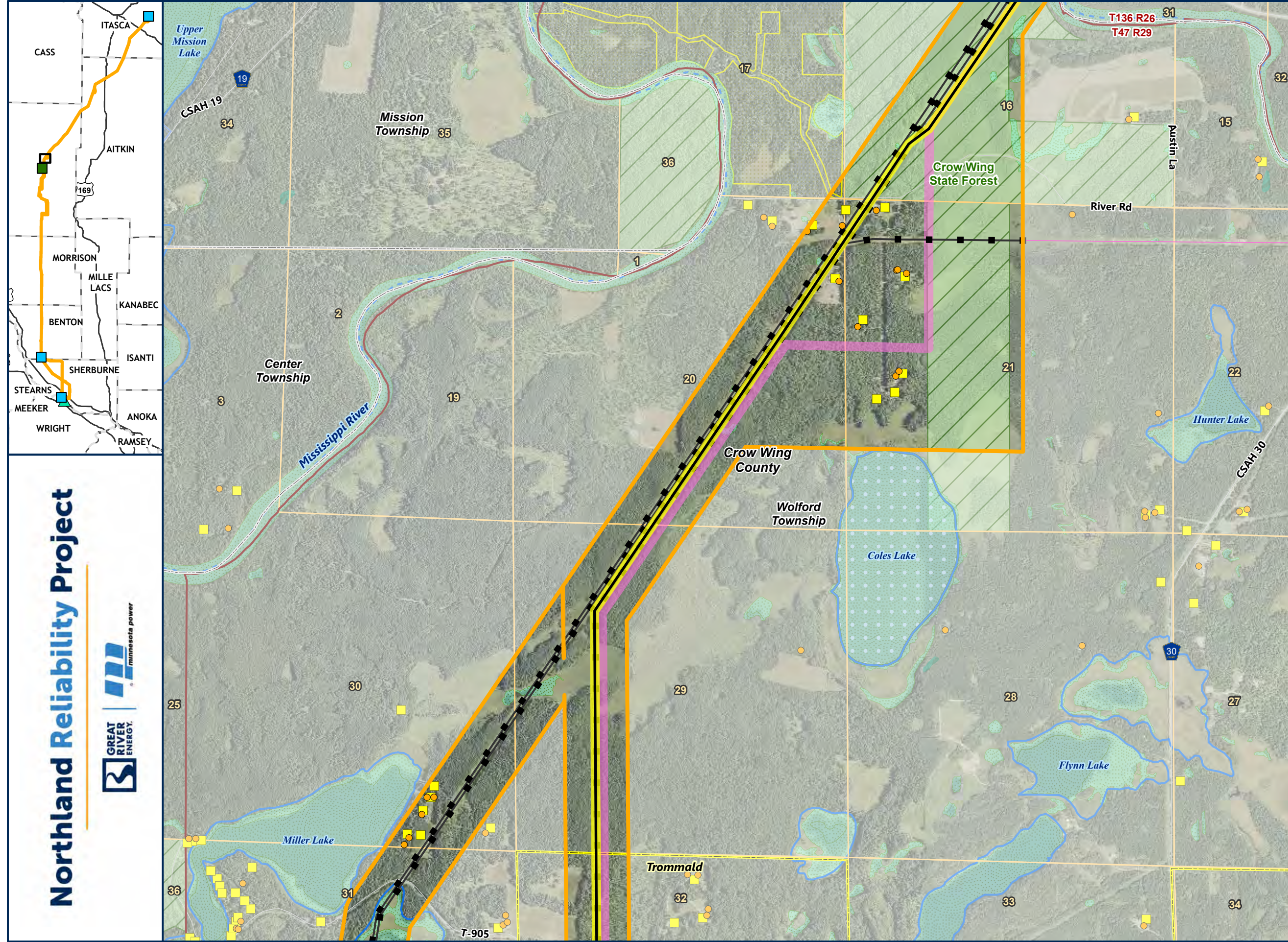


- CO-LOCATION MAXIMIZATION ROUTE
- CO-LOCATION MAXIMIZATION ROUTE CENTERLINE
- APPLICATION RIGHT OF WAY
- CO-LOCATION MAXIMIZATION ROUTE RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT MR MODIFIED, 230KV
- DOUBLE-CIRCUIT 230/115KV (92 LINE/11 LINE)
- SHIFT DOUBLE-CIRCUIT 230/69KV (MR LINE/BP LINE)
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- REBUILD EXISTING TRANSMISSION FOR AA3 AND E1
- 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
Co-Location Maximization
Route
 Page 23 of 64

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- CO-LOCATION MAXIMIZATION ROUTE
- CO-LOCATION MAXIMIZATION ROUTE CENTERLINE
- APPLICATION RIGHT OF WAY
- CO-LOCATION MAXIMIZATION ROUTE RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT MR MODIFIED, 230KV
- DOUBLE-CIRCUIT 230/115KV (92 LINE/11 LINE)
- SHIFT DOUBLE-CIRCUIT 230/69KV (MR LINE/BP LINE)
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- REBUILD EXISTING TRANSMISSION FOR AA3 AND E1
- 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
- MUNICIPAL BOUNDARY

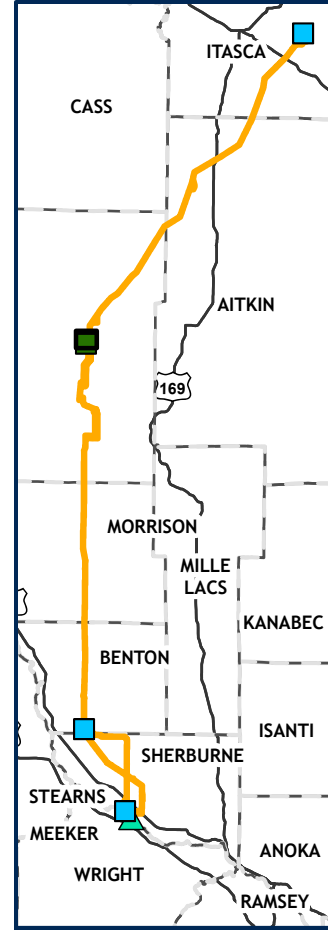


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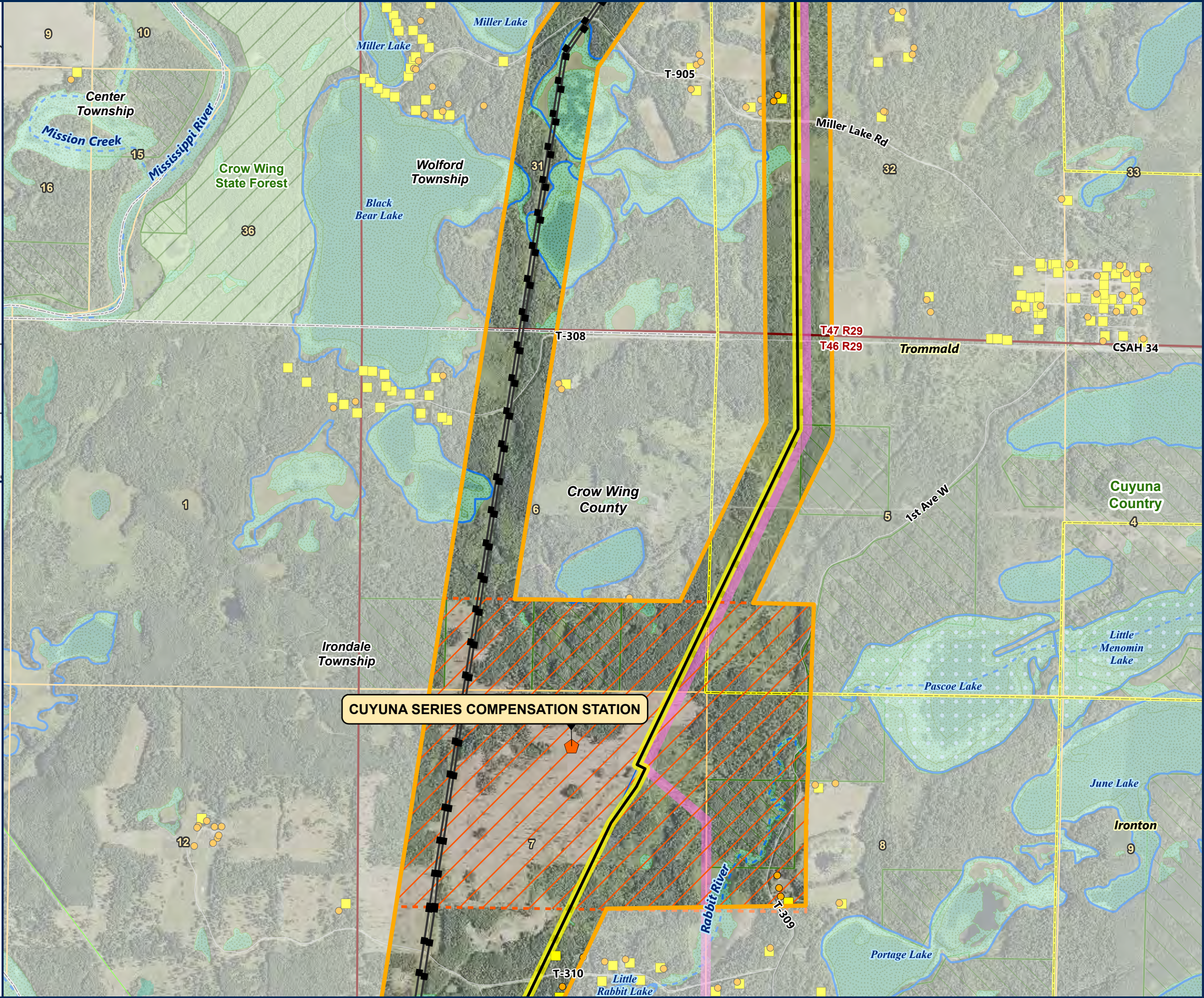


Detailed Map
Co-Location Maximization
Route
 Page 24 of 64

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Northland Reliability Project

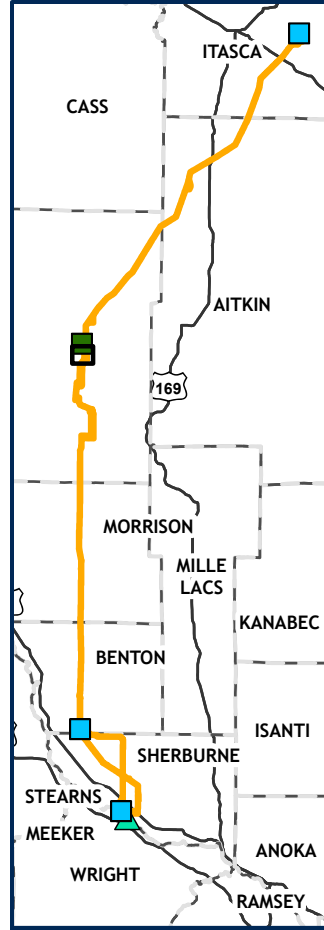


- CO-LOCATION MAXIMIZATION ROUTE
- CO-LOCATION MAXIMIZATION ROUTE CENTERLINE
- APPLICATION RIGHT OF WAY
- CO-LOCATION MAXIMIZATION ROUTE RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT MR MODIFIED, 230KV
- DOUBLE-CIRCUIT 230/115KV (92 LINE/11 LINE)
- SHIFT DOUBLE-CIRCUIT 230/69KV (MR LINE/BP LINE)
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- REBUILD EXISTING TRANSMISSION FOR AA3 AND E1
- EXISTING TRANSMISSION LINE**
- 69 KV
- 115 KV
- 230 KV
- SUBSTATION SITING AREA
- BIG OAKS SUBSTATION AREA
- CUYUNA SERIES COMPENSATION STATION
- 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

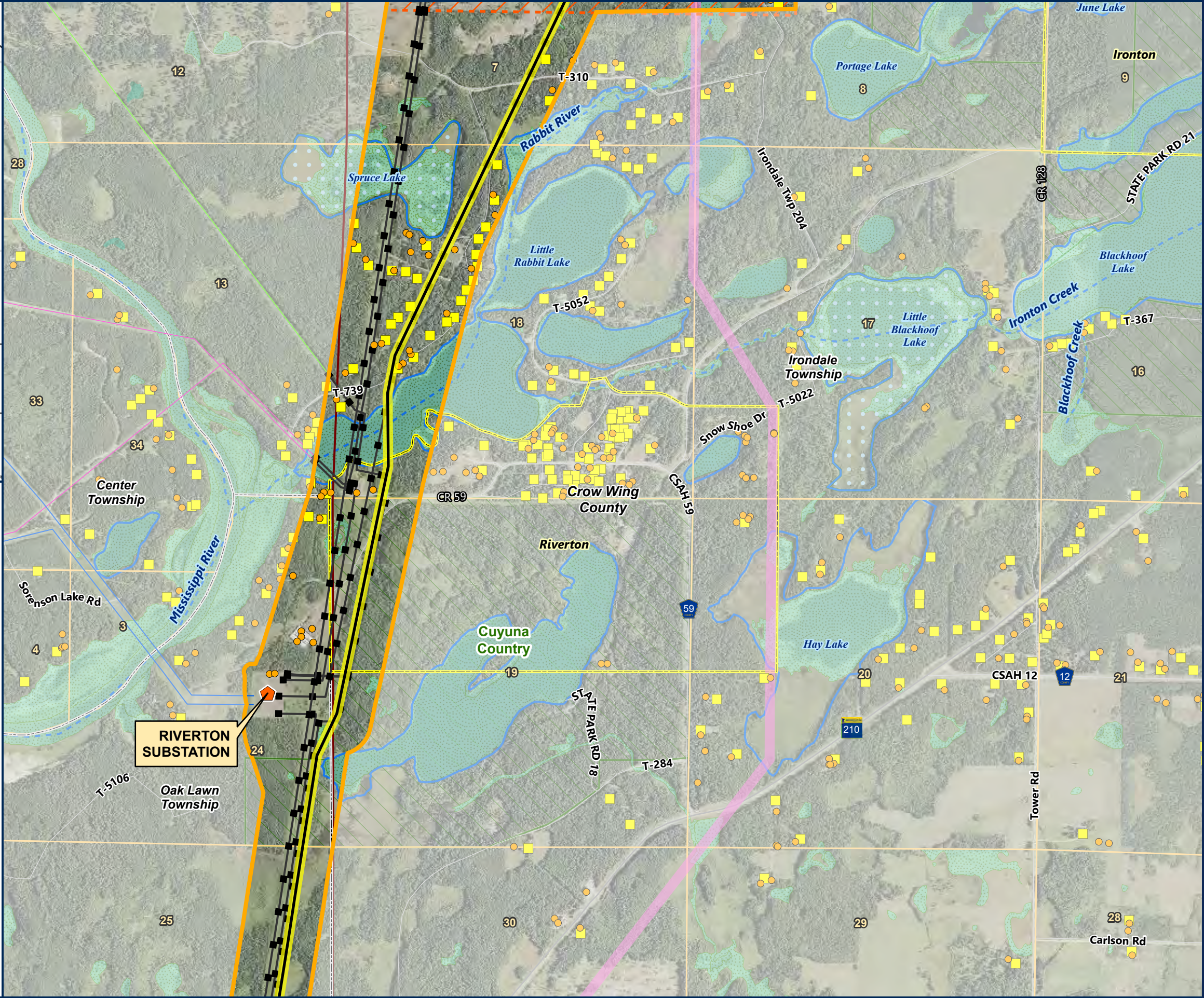


Detailed Map Co-Location Maximization Route Page 25 of 64

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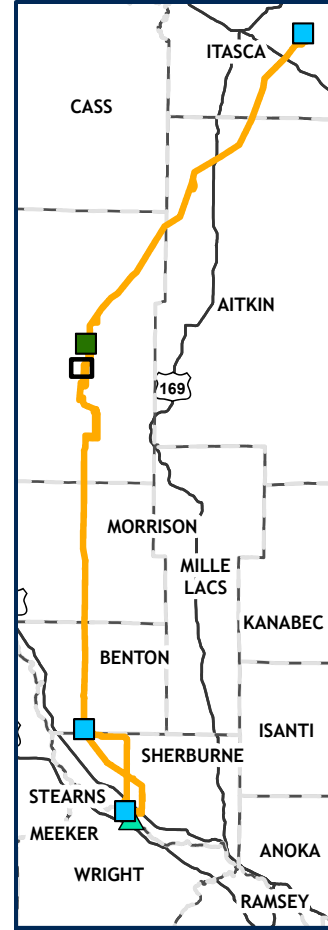


- CO-LOCATION MAXIMIZATION ROUTE
- CO-LOCATION MAXIMIZATION ROUTE CENTERLINE
- APPLICATION RIGHT OF WAY
- CO-LOCATION MAXIMIZATION ROUTE RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT MR MODIFIED, 230KV
- DOUBLE-CIRCUIT 230/115KV (92 LINE/11 LINE)
- SHIFT DOUBLE-CIRCUIT 230/69KV (MR LINE/BP LINE)
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- REBUILD EXISTING TRANSMISSION FOR AA3 AND E1
- EXISTING TRANSMISSION LINE**
- 69 KV
- 115 KV
- 230 KV
- SUBSTATION SITING AREA
- BIG OAKS SUBSTATION AREA
- RIVERTON SUBSTATION
- 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

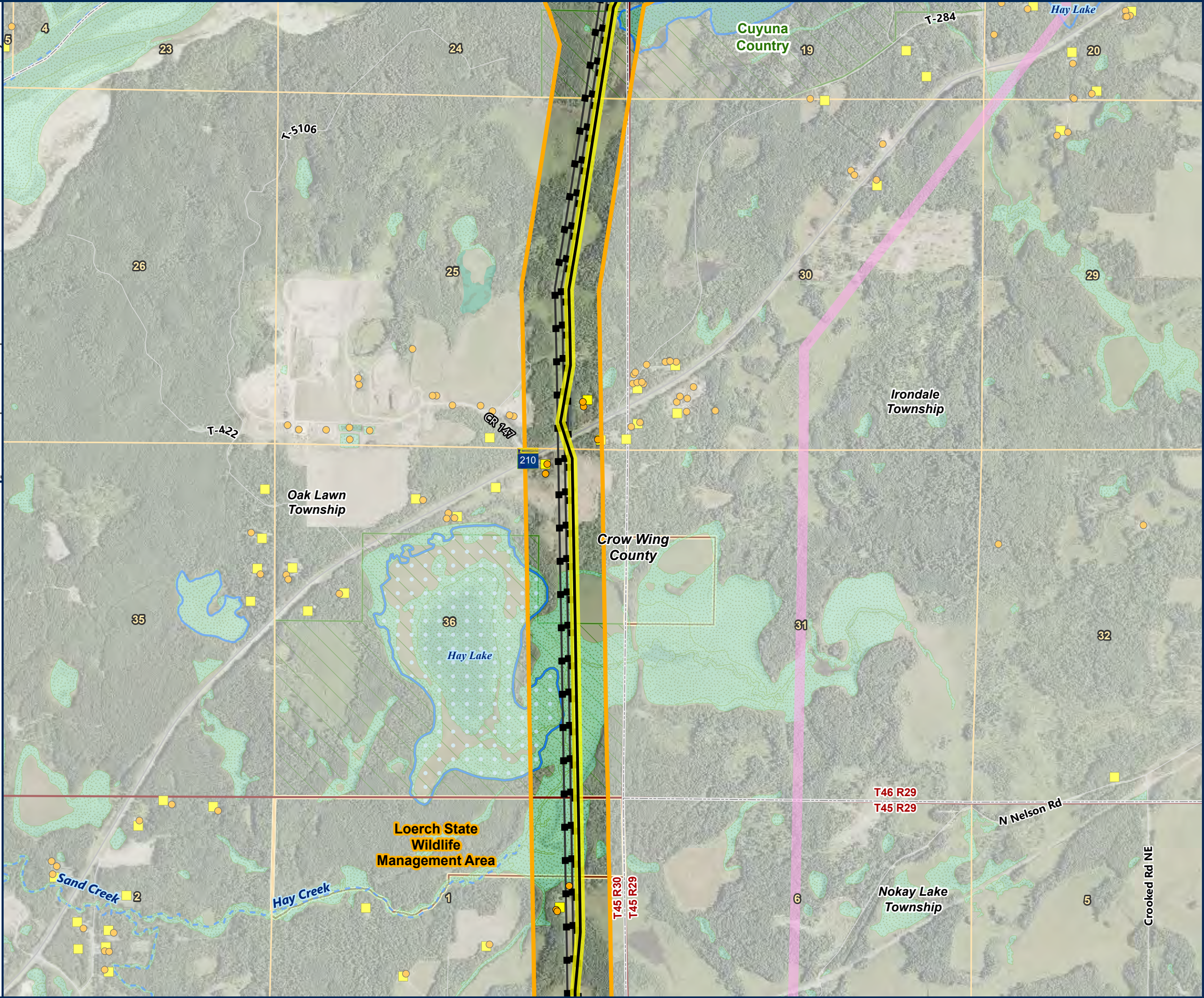


**Detailed Map
 Co-Location Maximization
 Route
 Page 26 of 64**

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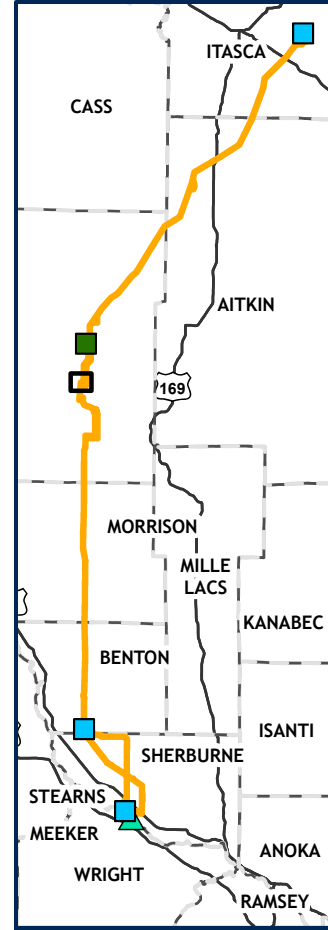


- CO-LOCATION MAXIMIZATION ROUTE
- CO-LOCATION MAXIMIZATION ROUTE CENTERLINE
- APPLICATION RIGHT OF WAY
- CO-LOCATION MAXIMIZATION ROUTE RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT MR MODIFIED, 230KV
- DOUBLE-CIRCUIT 230/115KV (92 LINE/11 LINE)
- SHIFT DOUBLE-CIRCUIT 230/69KV (MR LINE/BP LINE)
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- REBUILD EXISTING TRANSMISSION FOR AA3 AND E1
- 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

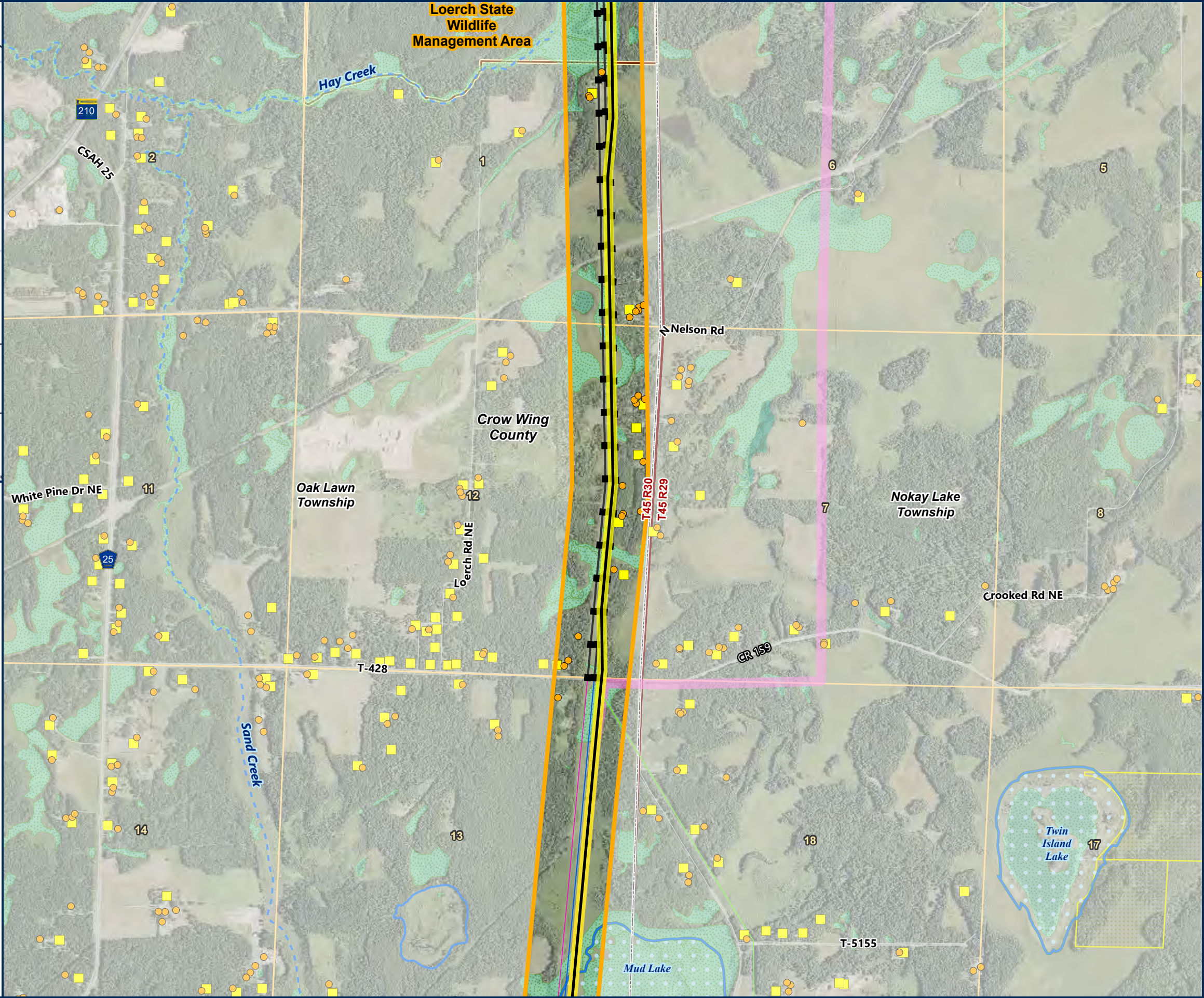


**Detailed Map
 Co-Location Maximization
 Route
 Page 27 of 64**

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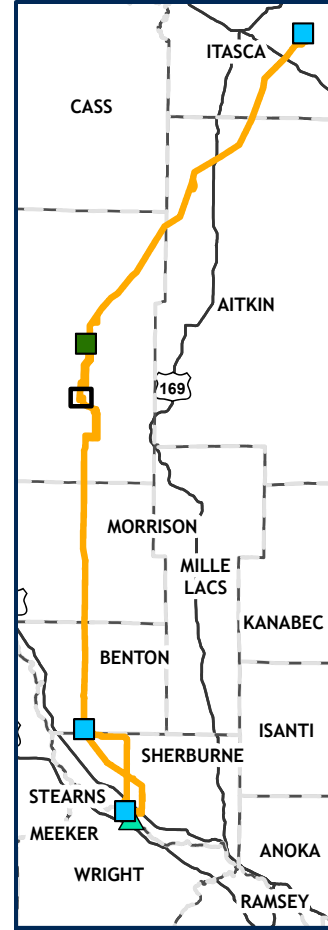
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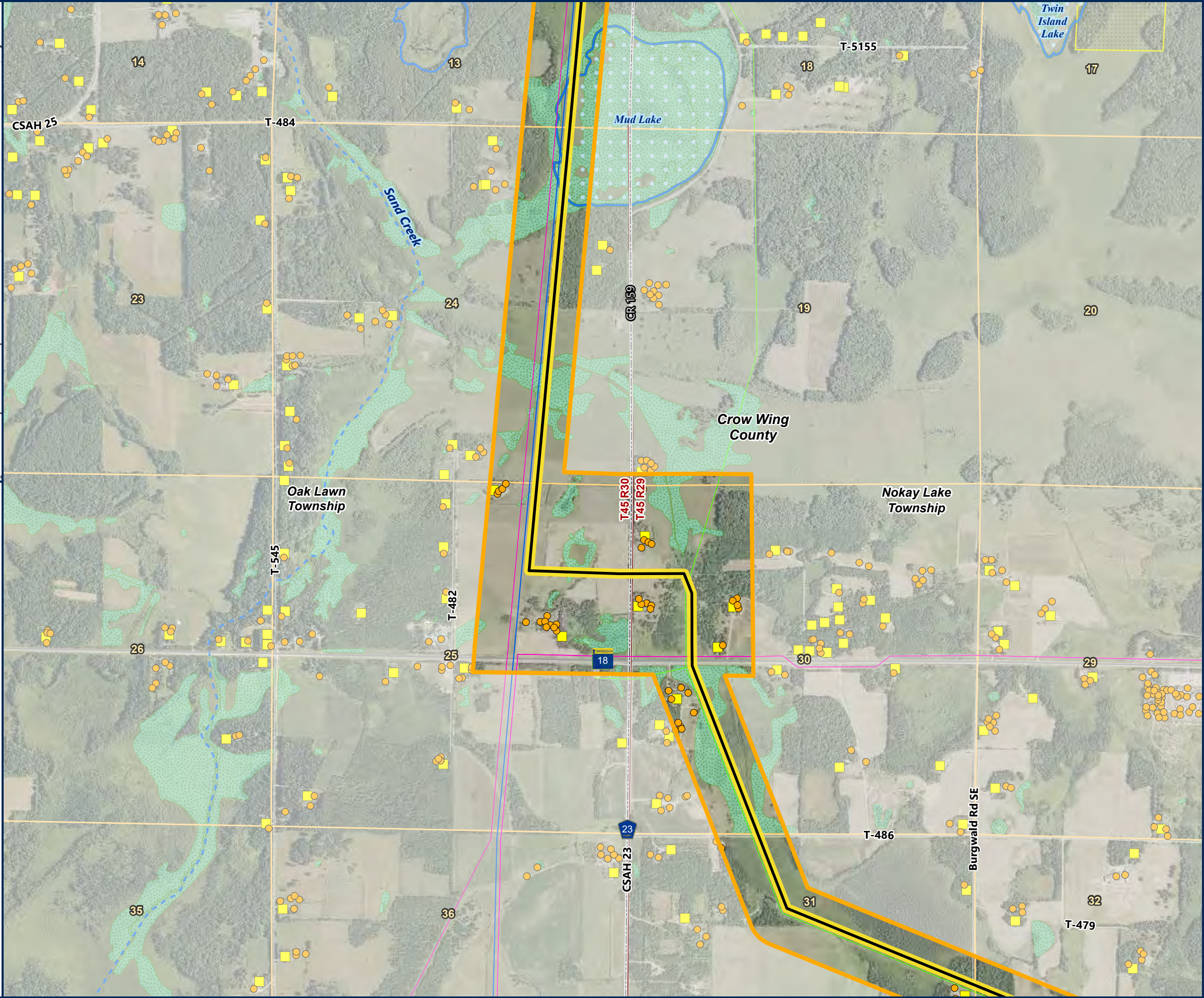
- CO-LOCATION MAXIMIZATION ROUTE
- CO-LOCATION MAXIMIZATION ROUTE CENTERLINE
- APPLICATION RIGHT OF WAY
- CO-LOCATION MAXIMIZATION ROUTE RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT MR MODIFIED, 230KV
- DOUBLE-CIRCUIT 230/115KV (92 LINE/11 LINE)
- SHIFT DOUBLE-CIRCUIT 230/69KV (MR LINE/BP LINE)
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- REBUILD EXISTING TRANSMISSION FOR AA3 AND E1
- 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



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Northland Reliability Project



Detailed Map Co-Location Maximization Route Page 28 of 64

- CO-LOCATION MAXIMIZATION ROUTE
- CO-LOCATION MAXIMIZATION ROUTE CENTERLINE
- APPLICATION RIGHT OF WAY
- CO-LOCATION MAXIMIZATION ROUTE RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT MR MODIFIED, 230KV
- DOUBLE-CIRCUIT 230/115KV (92 LINE/11 LINE)
- SHIFT DOUBLE-CIRCUIT 230/69KV (MR LINE/BP LINE)
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- REBUILD EXISTING TRANSMISSION FOR AA3 AND E1

EXISTING TRANSMISSION LINE

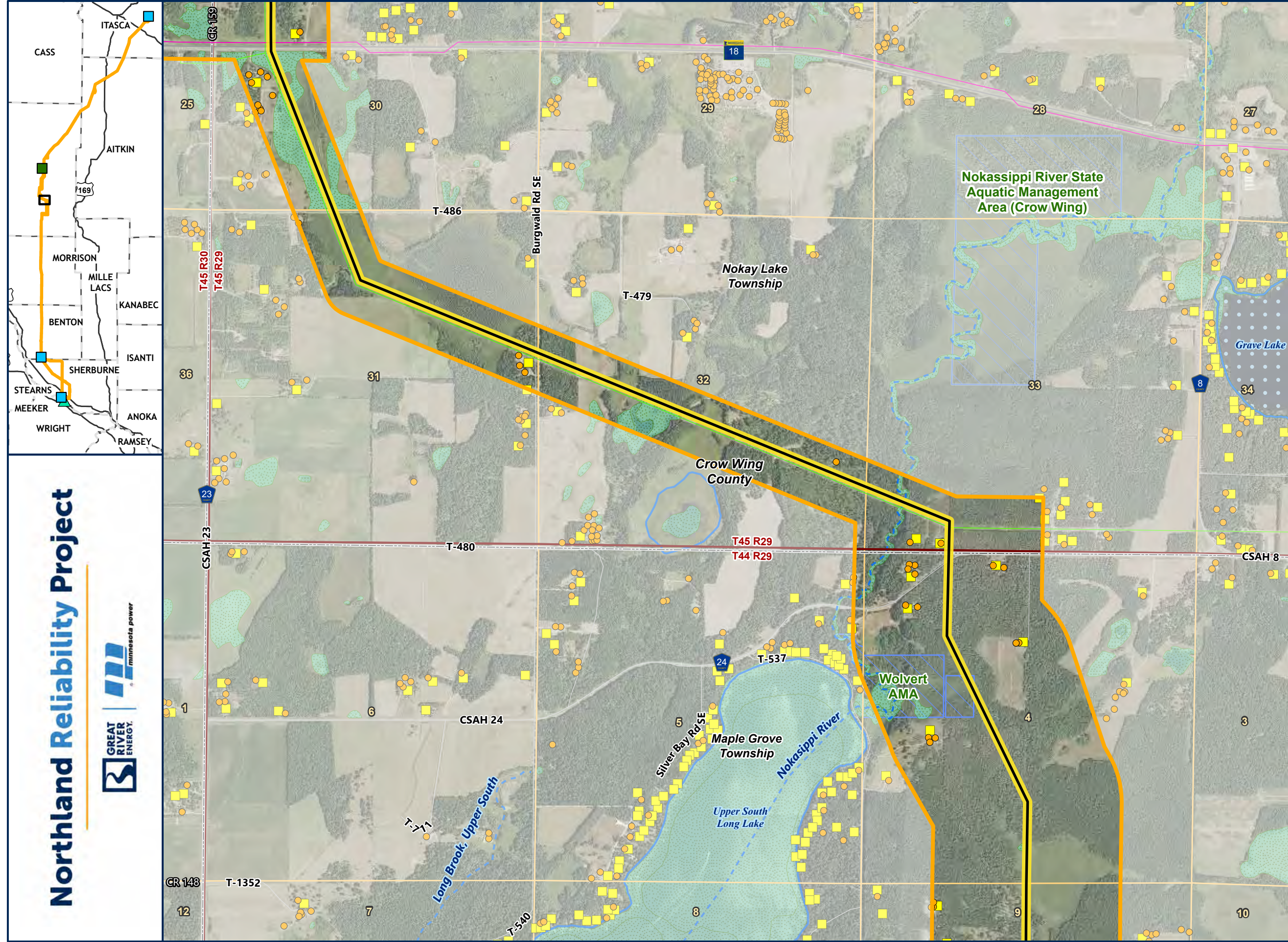
- 69 KV
- 115 KV
- 230 KV

- 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

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**Detailed Map
 Co-Location Maximization
 Route
 Page 29 of 64**

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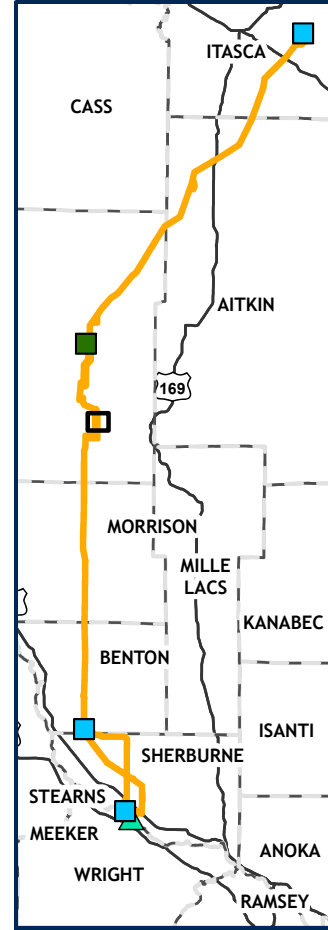
- CO-LOCATION MAXIMIZATION ROUTE
- CO-LOCATION MAXIMIZATION ROUTE CENTERLINE
- APPLICATION RIGHT OF WAY
- CO-LOCATION MAXIMIZATION ROUTE RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT MR MODIFIED, 230KV
- DOUBLE-CIRCUIT 230/115KV (92 LINE/11 LINE)
- SHIFT DOUBLE-CIRCUIT 230/69KV (MR LINE/BP LINE)
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- REBUILD EXISTING TRANSMISSION FOR AA3 AND E1
- 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
- STATE CONSERVATION EASEMENT
- FEDERAL CONSERVATION EASEMENT
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- STATE FOREST
- STATE PARK
- OTHER DNR LAND
- COUNTY BOUNDARY

Northland Reliability Project

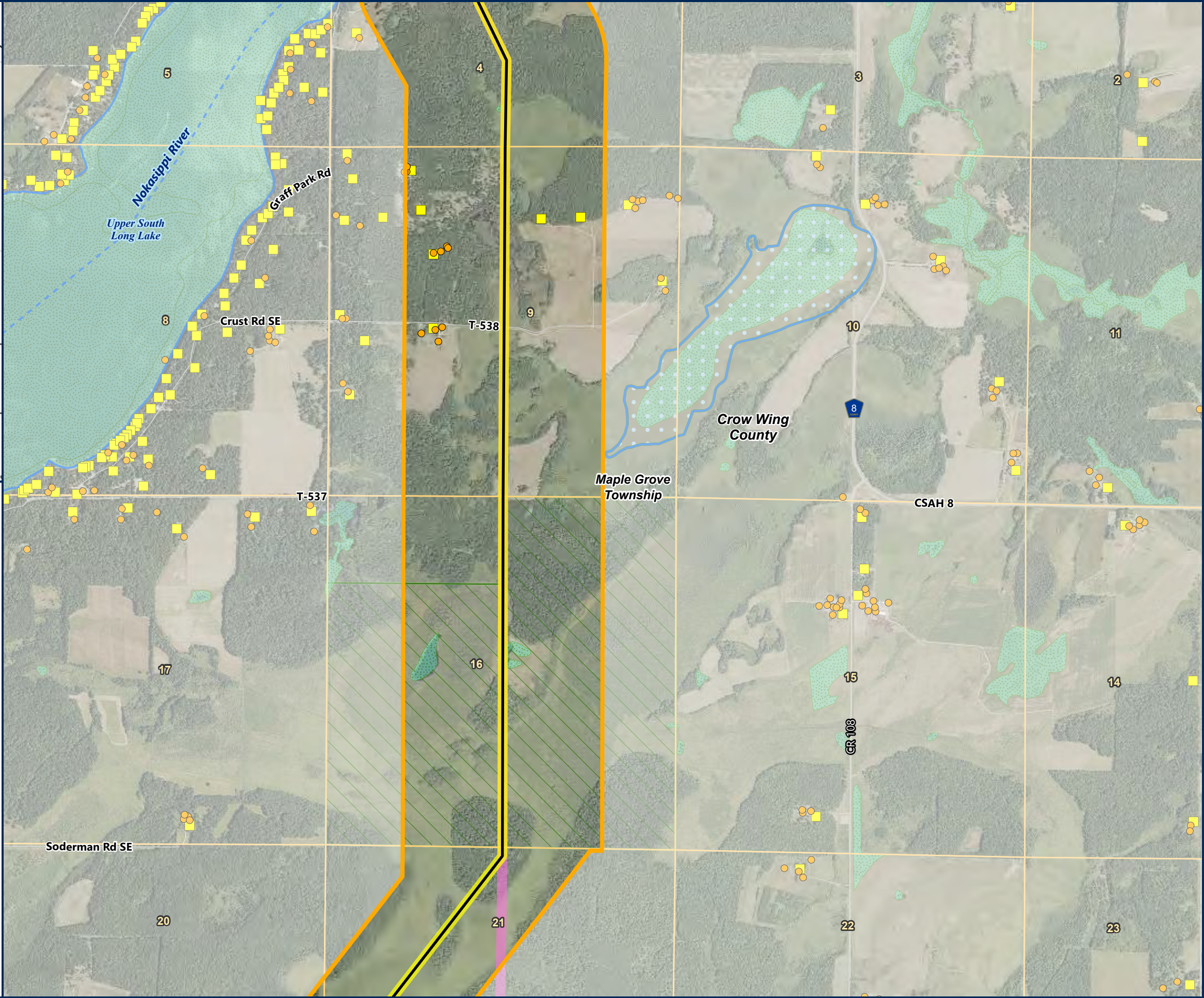


**Detailed Map
 Co-Location Maximization
 Route
 Page 30 of 64**

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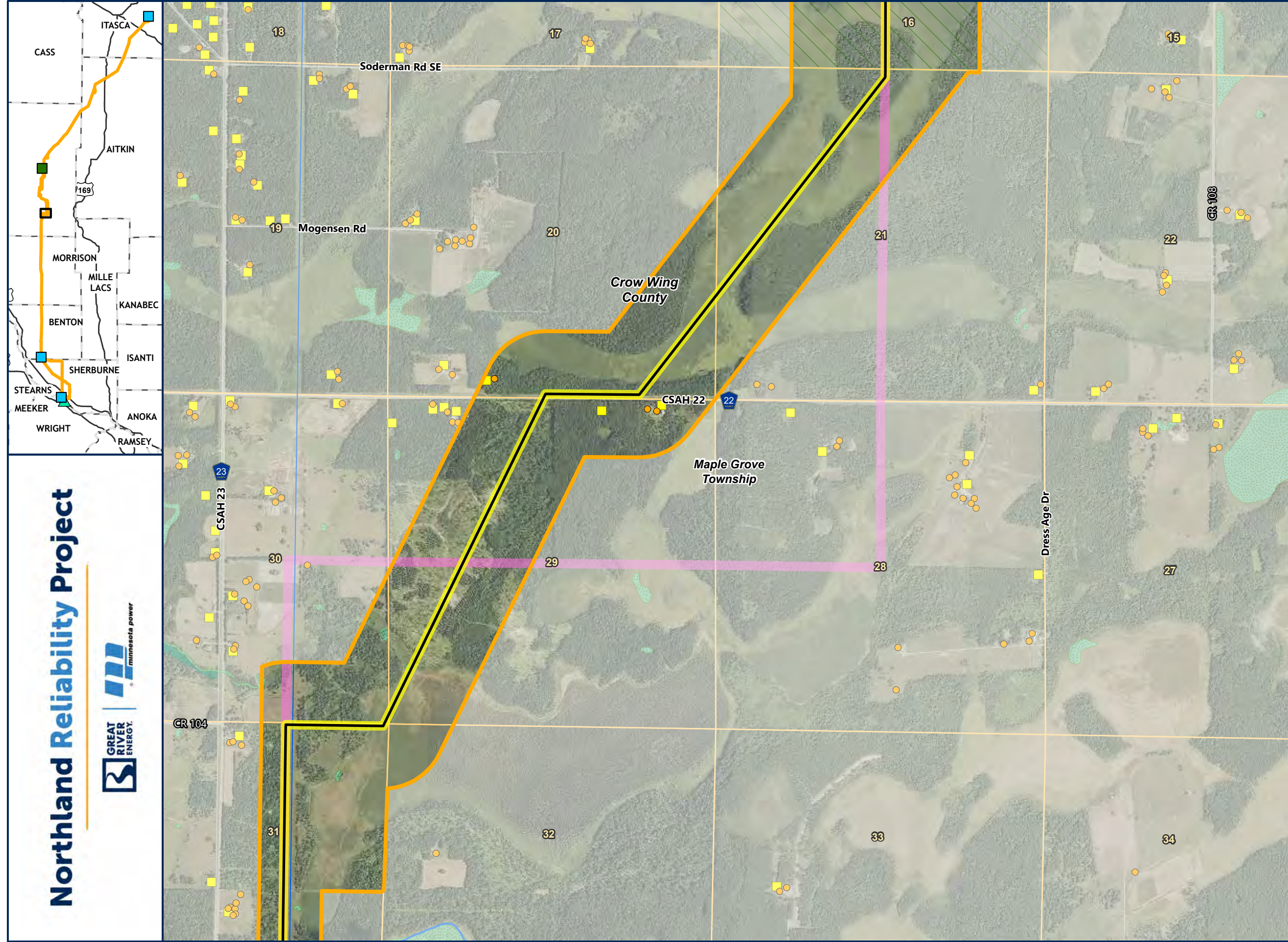


- CO-LOCATION MAXIMIZATION ROUTE
- CO-LOCATION MAXIMIZATION ROUTE CENTERLINE
- APPLICATION RIGHT OF WAY
- CO-LOCATION MAXIMIZATION ROUTE RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT MR MODIFIED, 230KV
- DOUBLE-CIRCUIT 230/115KV (92 LINE/11 LINE)
- SHIFT DOUBLE-CIRCUIT 230/69KV (MR LINE/BP LINE)
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- REBUILD EXISTING TRANSMISSION FOR AA3 AND E1
- 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
 Co-Location Maximization
 Route
 Page 31 of 64**

Path: \\mspe-gis-file\GISProj\MinPower\10348886_NRP\7_2_WIP\map_docs\PRO_projects\NRP_Figures\NRP_Figures_Sept19_2024\Letter.aprx

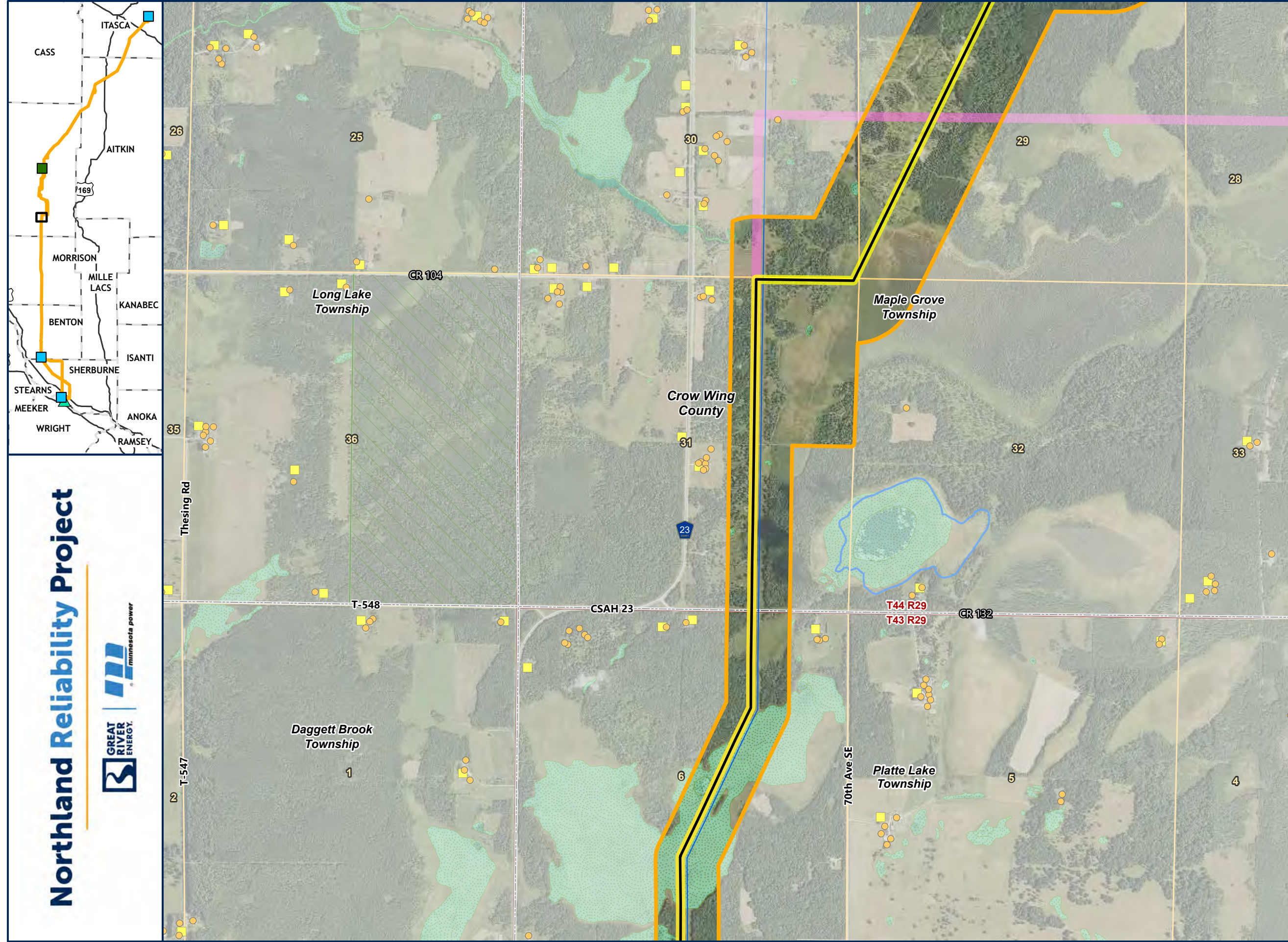


- CO-LOCATION MAXIMIZATION ROUTE
- CO-LOCATION MAXIMIZATION ROUTE CENTERLINE
- APPLICATION RIGHT OF WAY
- CO-LOCATION MAXIMIZATION ROUTE RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT MR MODIFIED, 230KV
- DOUBLE-CIRCUIT 230/115KV (92 LINE/11 LINE)
- SHIFT DOUBLE-CIRCUIT 230/69KV (MR LINE/BP LINE)
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- REBUILD EXISTING TRANSMISSION FOR AA3 AND E1
- 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

Northland Reliability Project



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Detailed Map
Co-Location Maximization
Route
Page 32 of 64

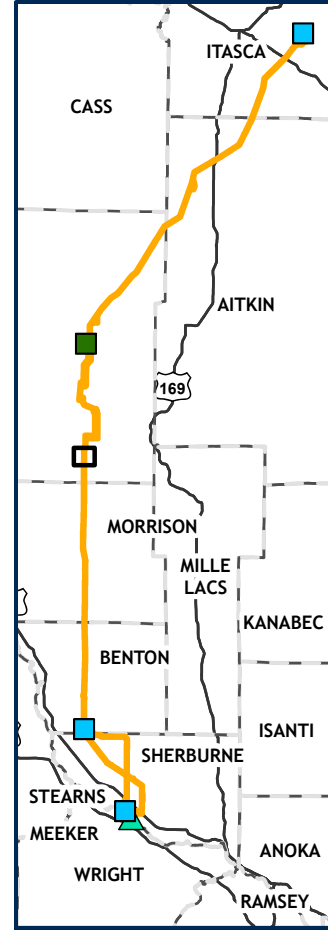
- CO-LOCATION MAXIMIZATION ROUTE
- CO-LOCATION MAXIMIZATION ROUTE CENTERLINE
- APPLICATION RIGHT OF WAY
- CO-LOCATION MAXIMIZATION ROUTE RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT MR MODIFIED, 230KV
- DOUBLE-CIRCUIT 230/115KV (92 LINE/11 LINE)
- SHIFT DOUBLE-CIRCUIT 230/69KV (MR LINE/BP LINE)
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- REBUILD EXISTING TRANSMISSION FOR AA3 AND E1
- 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



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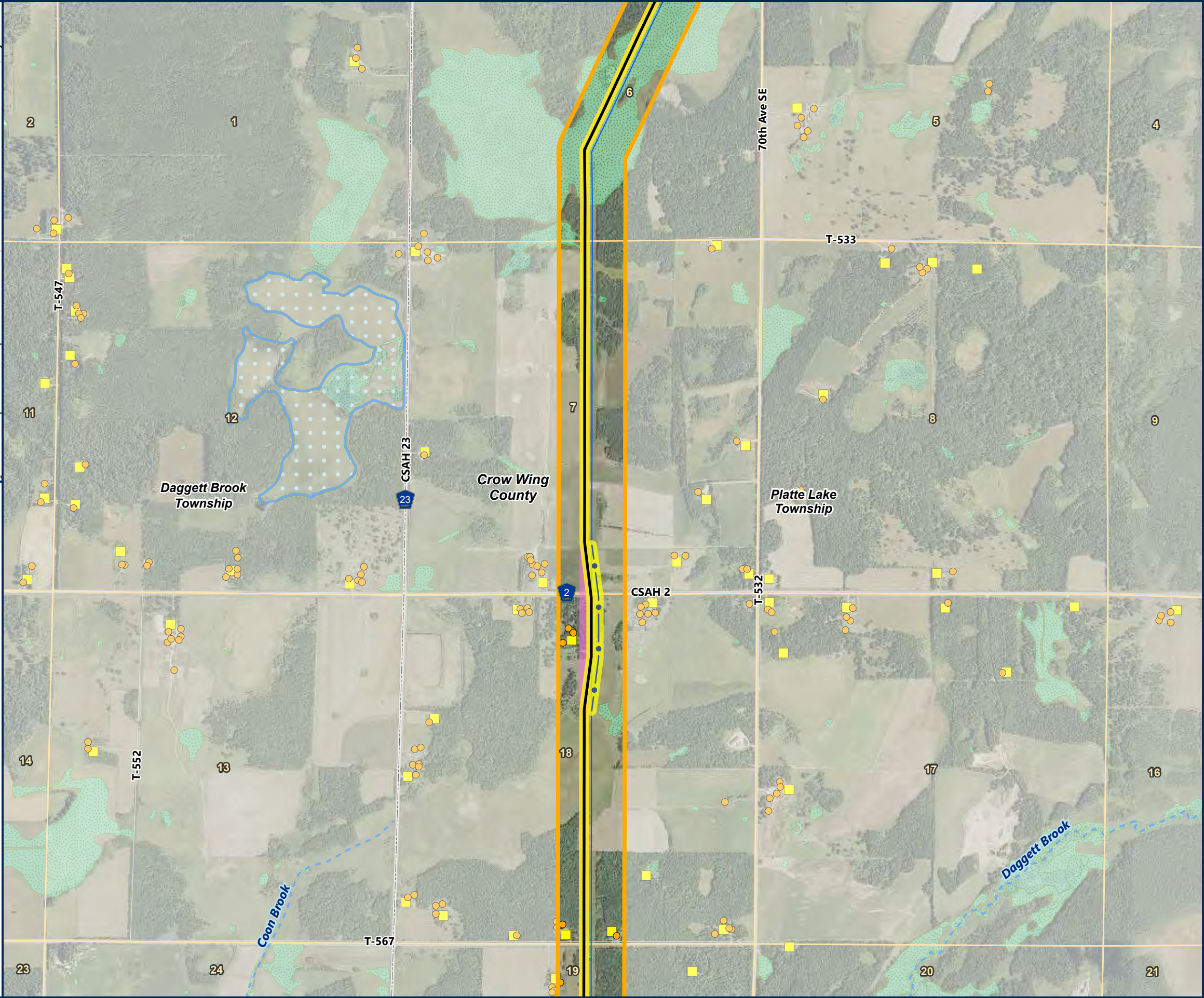


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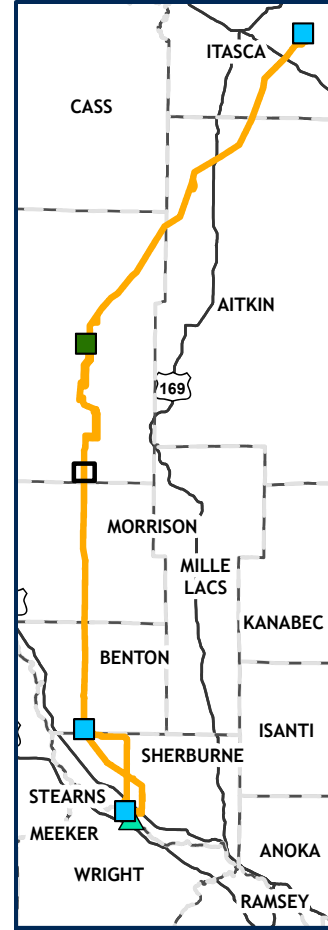


Detailed Map Co-Location Maximization Route Page 33 of 64

- CO-LOCATION MAXIMIZATION ROUTE
- CO-LOCATION MAXIMIZATION ROUTE CENTERLINE
- APPLICATION RIGHT OF WAY
- CO-LOCATION MAXIMIZATION ROUTE RIGHT OF WAY
- REPLACE GRE-BS LINE
- REPLACE MR LINE
- REBUILD EXISTING 69KV
- SHIFT MR MODIFIED, 230KV
- DOUBLE-CIRCUIT 230/115KV (92 LINE/11 LINE)
- SHIFT DOUBLE-CIRCUIT 230/69KV (MR LINE/BP LINE)
- SHIFT 11 LINE, 115KV
- SHIFT 92 LINE, 230KV
- REBUILD EXISTING TRANSMISSION FOR AA3 AND E1
- EXISTING TRANSMISSION LINE 230 KV
- SUBSTATION SITING AREA
- BIG OAKS SUBSTATION AREA
- RESIDENCE
- NOT A RESIDENCE
- PWI WATERCOURSE
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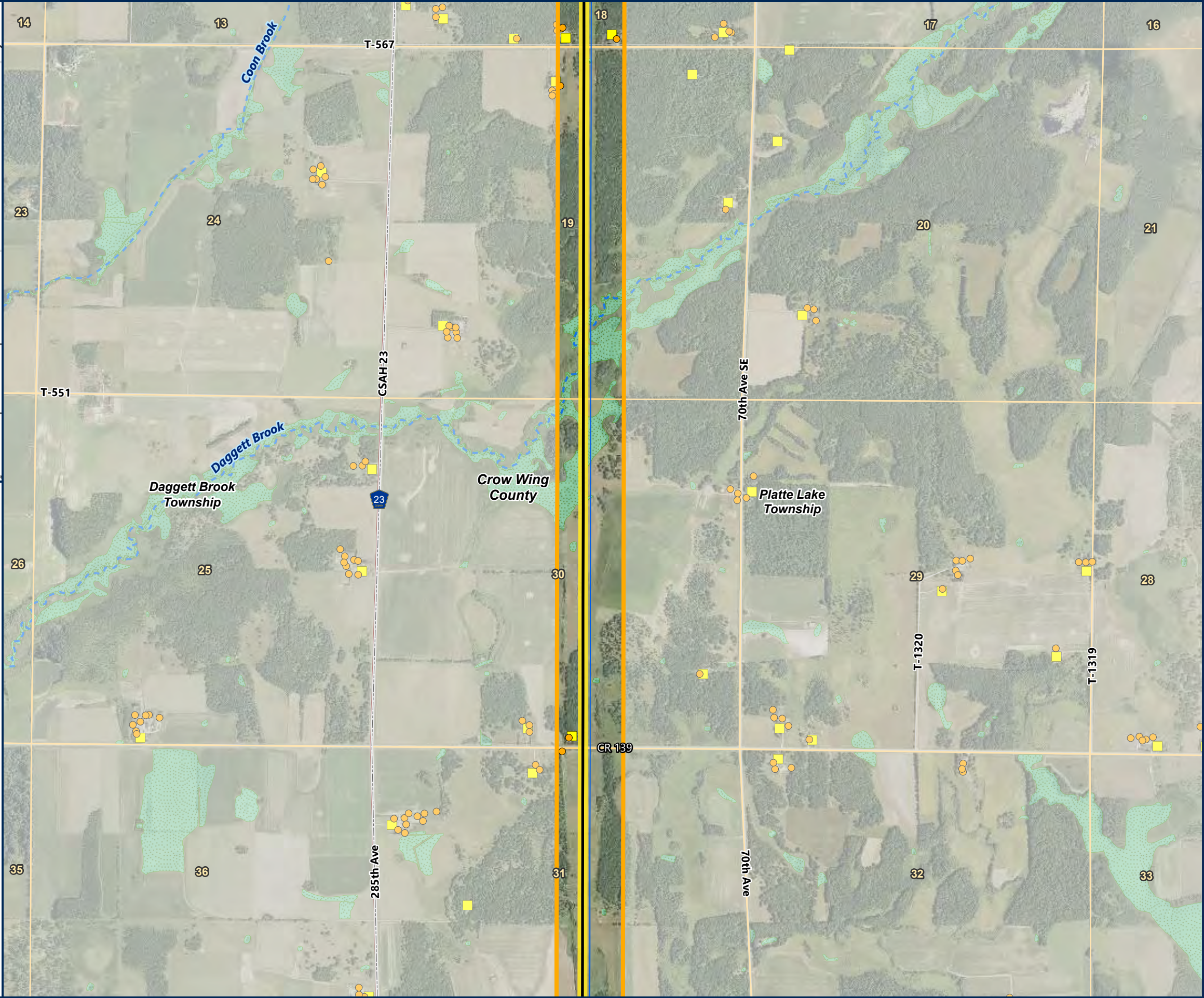



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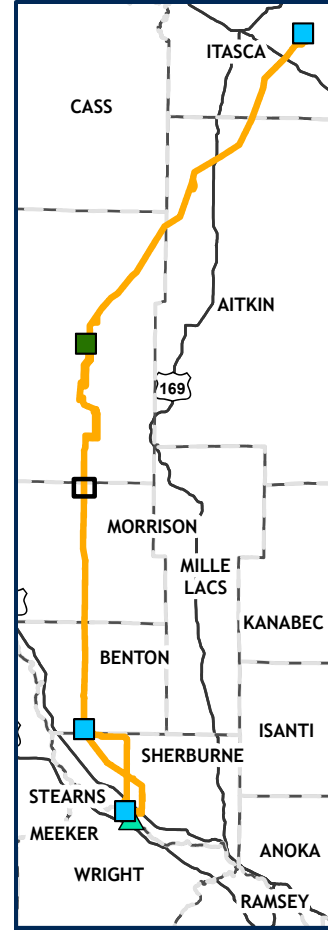


Detailed Map Co-Location Maximization Route Page 34 of 64

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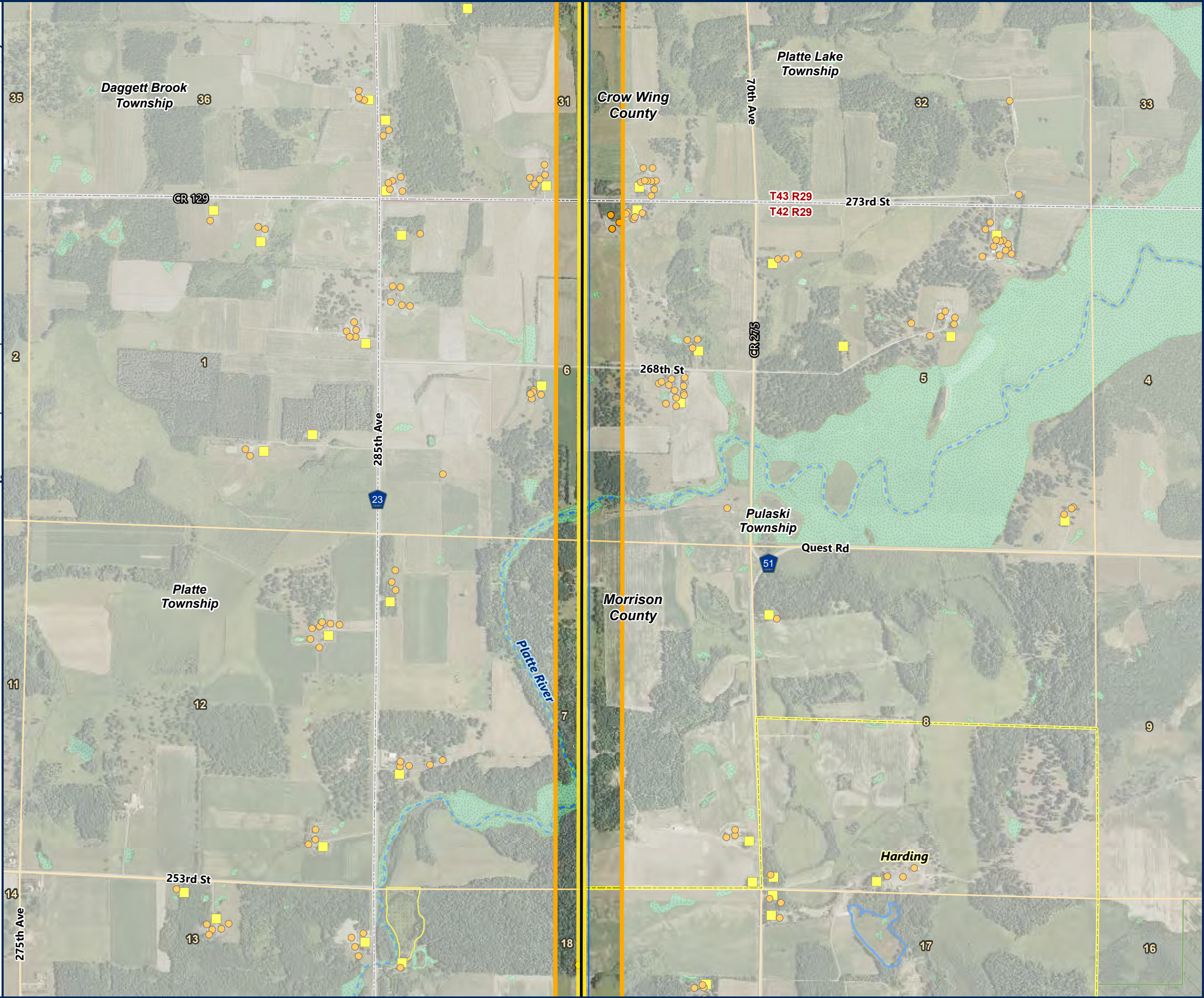



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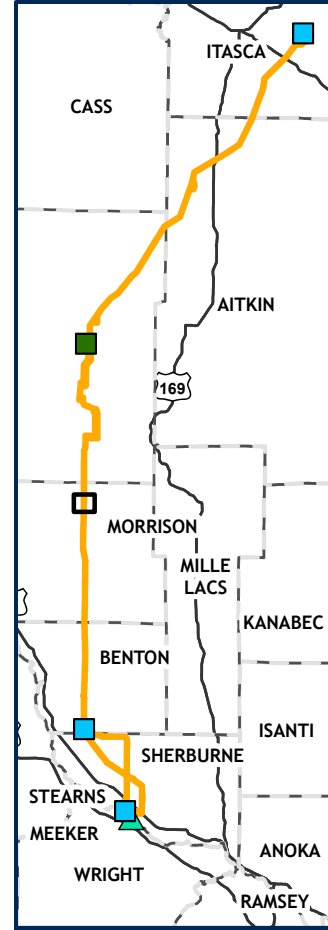


Detailed Map Co-Location Maximization Route Page 35 of 64

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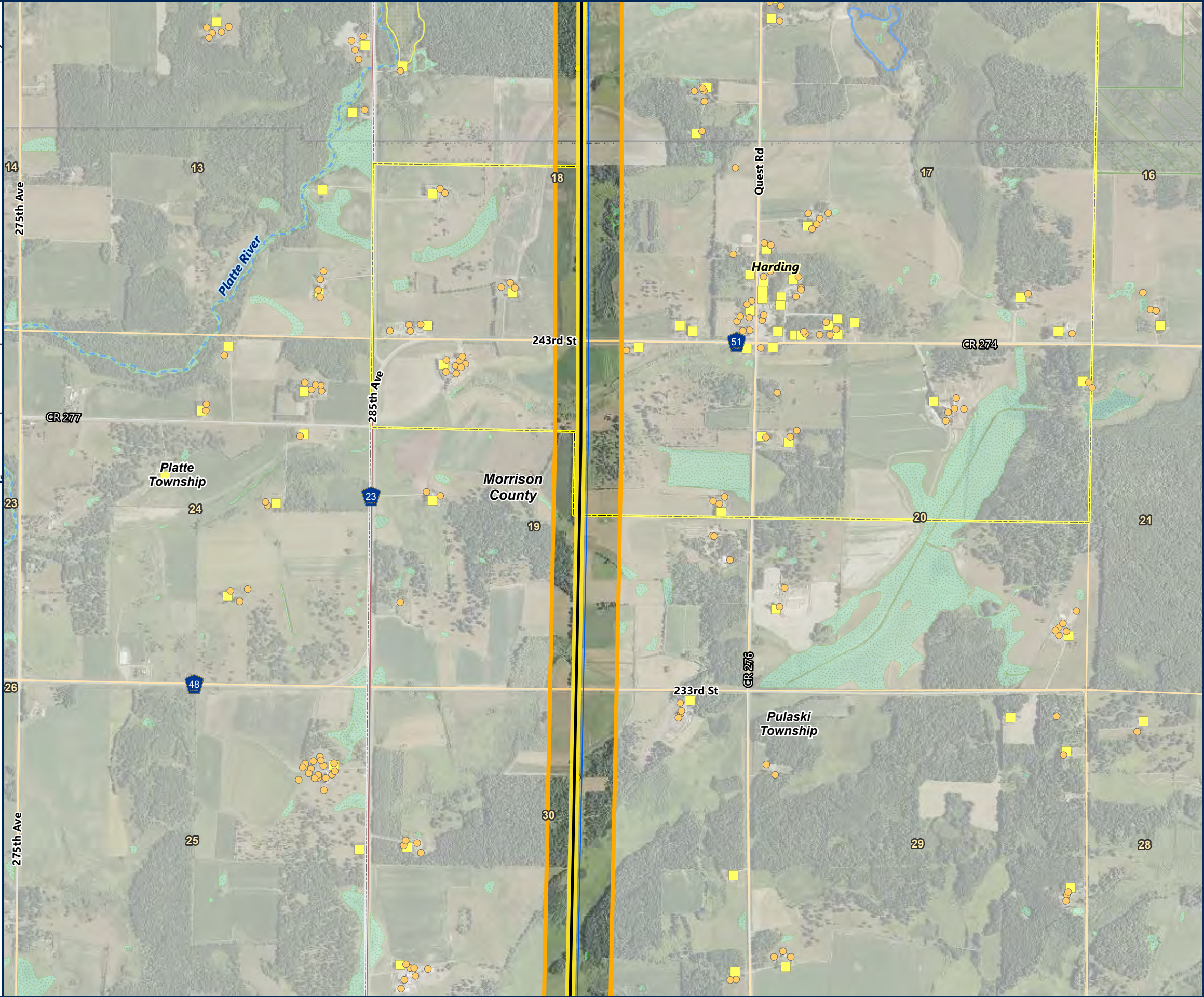



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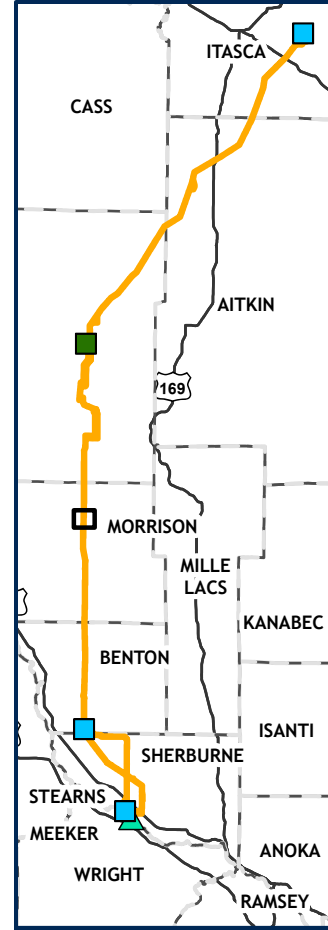


Detailed Map Co-Location Maximization Route Page 36 of 64

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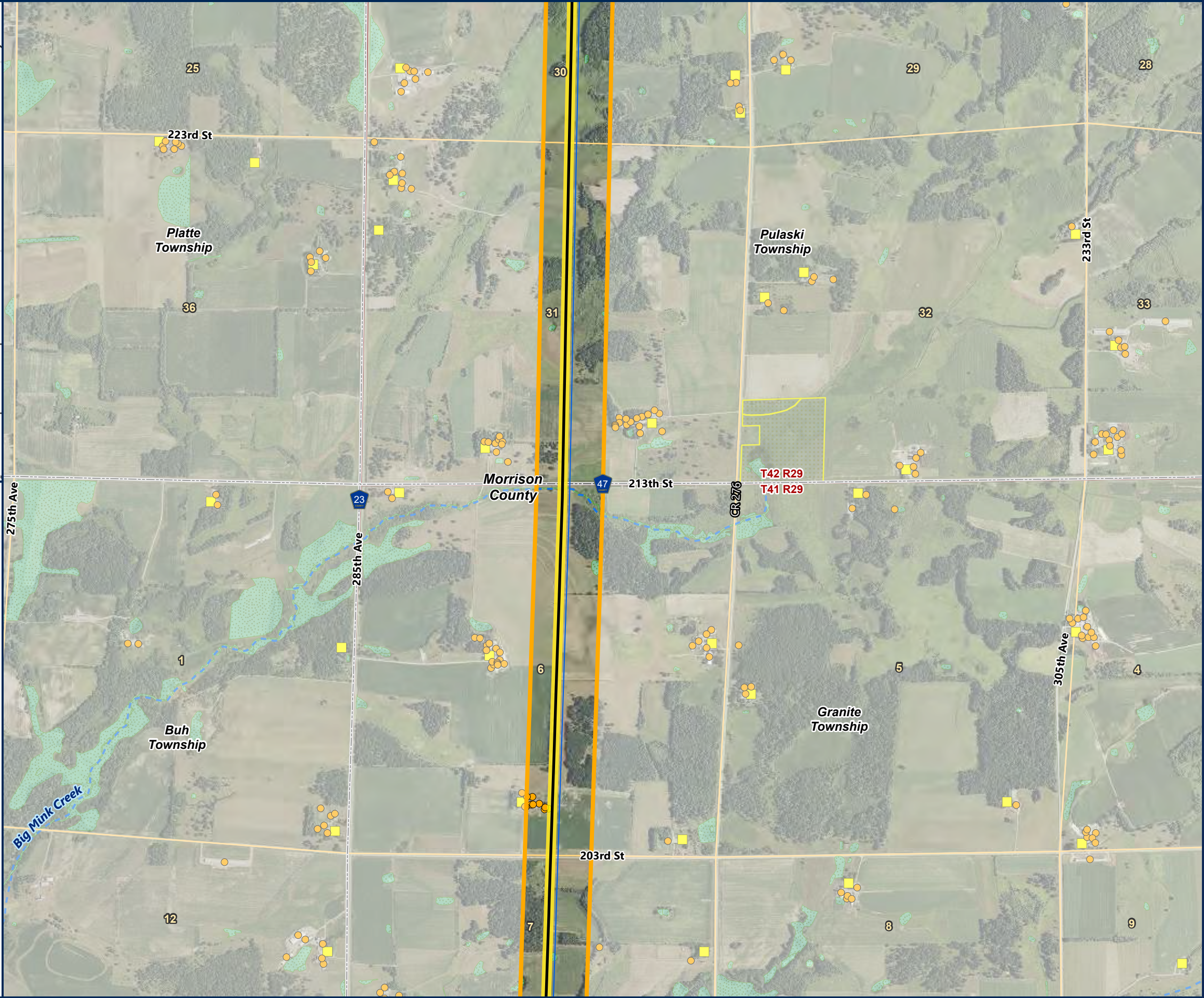



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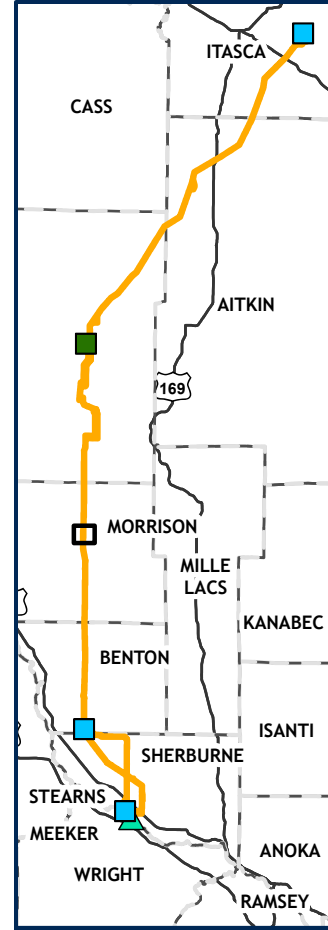


Detailed Map Co-Location Maximization Route Page 37 of 64

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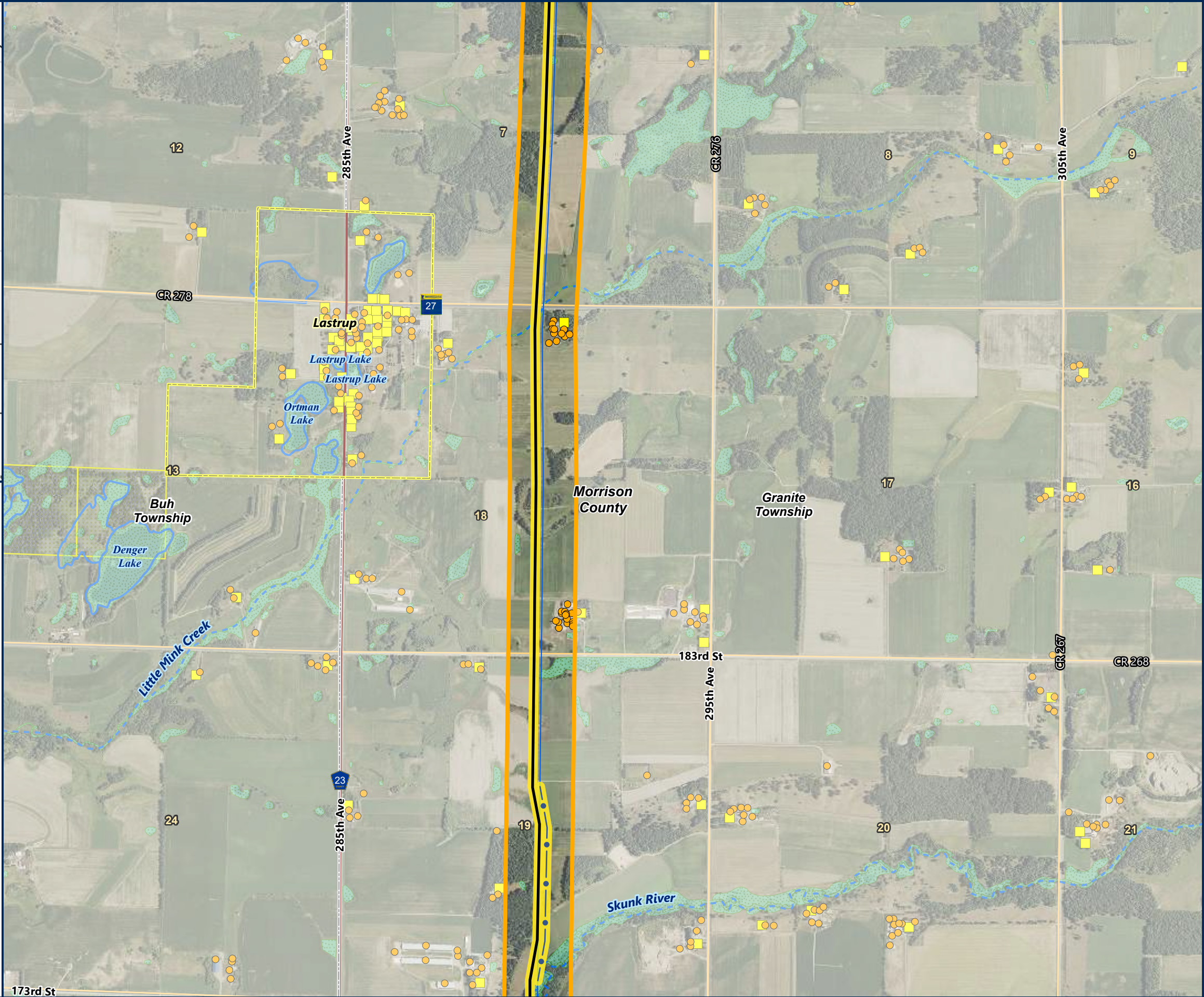



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Northland Reliability Project





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