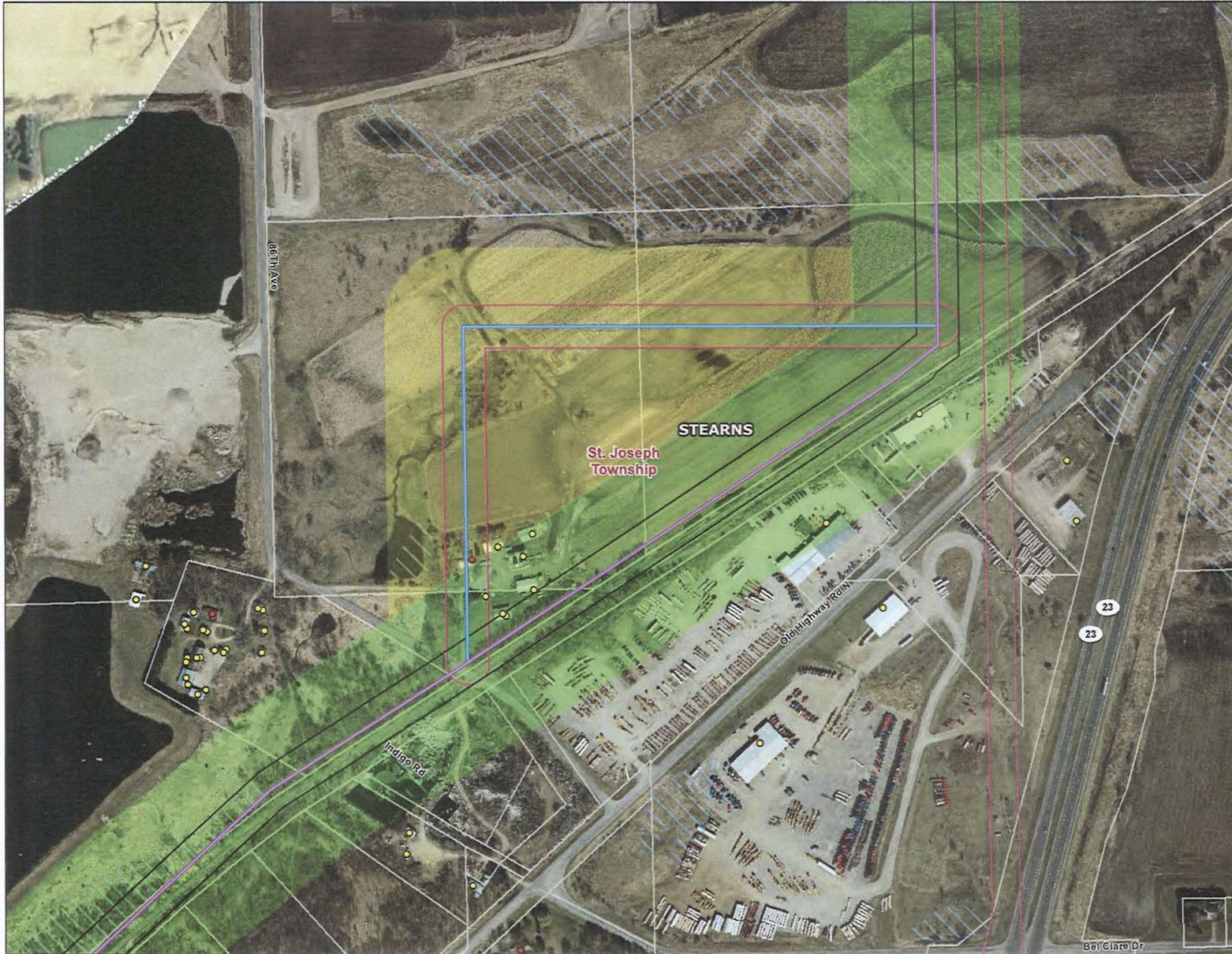


# **ADJUSTMENT 16**



### Legend

- Anticipated Alignment
- Anticipated Right-of-Way
- MN Permitted Route
- Adjusted Alignment
- Adjusted Right-of-Way
- Adjusted Route
- Residence
- Non-residential Structure
- PWI Stream
- NWI Wetland
- Waterfowl Production Area
- USFWS Wetland Easement
- Wildlife Management Area
- MnDOT Scenic Easement
- Center Pivot Irrigation
- Municipal Boundary
- Township Boundary
- Parcel Boundary

1:4,000

0 137.5 275 550 Feet

**Fargo to St. Cloud 345 kV Transmission Line Project**  
**Route Adjustment 16**

DATE: 09/19/11	DRAWN BY: MLTEICHERT
Xcel0122295 CapX Monticello to Fargo! GIS\Fargo\MXD\2011\07\ReRoutes! _CapX2020_Route16_Map.mxd	

## **ROUTE ADJUSTMENT 16 COMPARISON SUMMARY**

Route Adjustment 16 was requested by Archer Daniels Midland Company which has purchased the property affected by this adjustment for development for its business purposes. Route Adjustment 16 longer than Permittees' previously proposed alignment (approximately one mile vs. less than one mile) and would encompass a greater amount of acreage within its associated right-of-way (10 acres vs. 8 acres). Route Adjustment 16 would not parallel existing right-of-way while Applicants' previously proposed alignment would parallel 100 percent. Route Adjustment 16 would require two additional angle structures.

Route Adjustment 16 would cross a greater number of waterways than Applicants' previously proposed alignment (two waterways vs. zero waterways crossed). Route Adjustment 16 and Applicants' previously proposed alignment would be located within 500 feet of the same number of residences (one residential structure) and both routes would be located at a distance of six miles from an airport.

**ALEXANDRIA TO QUARRY ROUTE ADJUSTMENT 16 COMPARISON**

**WETLAND AND WATER RESOURCES WITHIN THE RIGHT-OF-WAY**

		ROUTE ADJUSTMENT 16	COMPARABLE PORTION OF CURRENT PROPOSED ALIGNMENT TO ROUTE ADJUSTMENT 16
	Length of Route (miles)	1	0
	Number of Acres	10	8
	Acres NWI Wetlands within ROW	0	0
	Percent of ROW - NWI Wetlands	2%	0%
	Number of NWI Wetlands within ROW	1	0
	Acres of NWI Freshwater Emergent Wetlands within ROW	0	0
	Percent of ROW - NWI Freshwater Emergent Wetlands	2%	0%
	Acres of NWI Freshwater Forested/Shrub Wetlands within ROW	0	0
	Percent of ROW - NWI Freshwater Forested/Shrub Wetlands	0%	0%
	Acres of NWI Freshwater Pond Wetlands within ROW	0	0
	Percent of ROW - Freshwater Pond Wetlands	0%	0%
	Acres of NWI Lake within ROW	0	0
	Percent of ROW - NWI Lakes	0%	0%
	Acres of NWI Riverine within ROW	0	0
	Percent of ROW - NWI Riverine Wetlands	0%	0%
	Estimated Number of Poles in NWI Wetlands'	0	0
	Acres of Temporary NW Wetland Impacts (1-Acre/Pole)	0	0
	Sq. Feet of Permanent NW Wetland Impacts (55-Sq. Feet/Pole)	0	0
	Acres of Permanent NW Wetland Impacts	0	0
	Number of Intermittent Stream, Drainage, or Waterway Crossings within ROW	2	0
	Number of PWI Intermittent Stream, Drainage, or Waterway Crossings within ROW	0	0
	Number of Perennial Stream, Drainage, or Waterway Crossings within ROW	0	0
	Number of PWI Perennial Stream, Drainage, or Waterway Crossings within ROW	0	0
	Number of Other Stream, Drainage, or Waterway Crossings within ROW	0	0
	Number of Other PWI Stream, Waterway, or Drainage Crossings within ROW	0	0
	Number of PWI Lake and Wetland Crossings within ROW	0	0
	Acres of PWI Lakes and Wetlands within ROW	0	0
	Percent of ROW - PWI Wetlands	0%	0%
	Estimated Number of Poles in PWI Wetlands'	0	0
	Acres of Temporary PWI Wetland Impacts (1-Acre/Pole)	0	0
	Sq. Feet of Permanent PWI Wetland Impacts (55-Sq. Feet/Pole)	0	0
	Acres of Permanent PWI Wetland Impacts	0	0
	Acres of (100-year) Floodplain within ROW	0	0
	Percent of ROW - 100-Year Floodplain	0%	0%
	Estimated Number of Poles in 100-Year Floodplain*	0	0
	Acres of Temporary 100-Year Floodplain Impacts (1-Acre/Pole)	0	0
	Sq. Feet of Permanent 100-Year Floodplain Impacts (55-Sq. Feet/Pole)	0	0
	Acres of Permanent 100-Year Floodplain Impacts	0	0
	Acres of Restorable Wetlands within ROW	1	0
	Percent of ROW - Restorable Wetlands	11%	0%
	Number of Water Wells within ROW	0	0
<b>LAND USE AND OTHER ENVIRONMENTAL RESOURCES WITHIN THE RIGHT-OF-WAY</b>			
General	Length of Route (miles)	1	0
	Length Paralleling Existing ROWs (miles)	0	0
	Percent of Route Paralleling Existing ROWs	0%	100%
	Length Paralleling Existing Linear Features (miles)	0	0
	Percent Paralleling Existing Linear Features	0%	100%
	Number of Acres in Representative 150-Foot ROW	10	8
Agricultural Land Use	Acres of Agricultural Land Use within ROW	10	8
	Percent of ROW - Agricultural Land	100%	100%
	Acres of Special Protection Agricultural Land Use within ROW	0	0
	Percent of ROW - Special Protection Agricultural Land	0%	0%
	Estimated Number of Poles in Agricultural Land'	5	3
	Acres of Temporary Agricultural Land Impacts (1-Acre/Pole)	5	3
	Sq. Feet of Permanent Agricultural Land Impacts (1,000-Sq. Feet/Pole)	5,000	3,000
	Acres of Permanent Agricultural Land Impacts within ROW	0	0
	Acres of CRP Lands within ROW	0	0
	Percent of ROW - CRP Lands	0%	0%

**ALEXANDRIA TO QUARRY ROUTE ADJUSTMENT 16 COMPARISON**

**WETLAND AND WATER RESOURCES WITHIN THE RIGHT-OF-WAY**

		ROUTE ADJUSTMENT 16	COMPARABLE PORTION OF CURRENT PROPOSED ALIGNMENT TO ROUTE ADJUSTMENT 16
Land Use	Acres of Residential Land Use within ROW	0	0
	Percent of ROW - Residential Land Use	0%	0%
	Acres of Recreational/Open Space/Park Land Use within ROW	0	0
	Percent of ROW - Recreational/Open Space/Park Land Use	0%	0%
	Acres of Commercial/Business/Institutional/Public Land Use within ROW	0	0
	Percent of ROW - Commercial/Business/Institutional/Public Land Use	0%	0%
	Acres of Industrial Land Use within ROW	0	0
	Percent of ROW - Industrial Land Use	0%	0%
	Acres of Transitional/Growth Area Land Use within ROW	0	0
	Percent of ROW - Transitional/Growth Area Land Use	0%	0%
	Acres of County-Identified Municipal Land Use within ROW	0	0
	Percent of ROW - County-Identified Municipal Land Use	0%	0%
	Estimated Number of Poles in Non-Agricultural Land*	0	0
	Acres of Temporary Non-Agricultural Land Impacts (1-Acre/Pole)	0	0
	Sq. Feet of Permanent Non-Agricultural Land Impacts (55-Sq. Feet/Pole)	0	0
	Acres of Permanent Non-Agricultural Land Impacts	0	0
	Number of Center Pivot Irrigation Systems within ROW	0	0
	Acres of Wooded Lands within ROW	0	3
	Percent of ROW - Wooded Lands	1%	35%
	Number of Daycare Facilities within ROW	0	0
Number of FCC Antenna Structures within ROW	0	0	
Trails and Scenic Byways	Number of State Trail Crossings within ROW	0	0
	Parallel Miles to State Trails	0	0
	Number of County Trail Crossings within ROW	0	0
	Parallel Miles to County Trails	0	0
	Number of Scenic Byway Crossings within ROW	0	0
	Parallel Miles to Scenic Byways	0	0
Airports/Landing Strips	Number of Airports/Landing Strips within 5-Miles	0	0
	Located within Instrument Approach to Airport	0	0
	Miles to Nearest Airport/Landing Strip	6	6
	Number of VOR Sites within ROW	0	0
Mining/Aggregate Resources	Total Number of Aggregate Source Pits within ROW	0	0
	Number of Prospective Aggregate Source Pits within ROW	0	0
	Number of Commercial Aggregate Source Pits within ROW	0	0
Cultural and Historic Resources	Number of NRHP Sites within ROW	0	0
	Number of Known Historic Structures within ROW	0	0
	Number of Known Archaeological Sites within ROW	0	0
<b>RESIDENTIAL AND NON-RESIDENTIAL STRUCTURES/BUILDINGS, SENSITIVE MANAGEMENT AREAS AND CONSERVATION EASEMENTS, OTHER</b>			
Number of Residences / Non-Residences within Proximity to ROW	Number of Residential Structures within 0-75 Feet of Alignment	1	0
	Number of Residential Structures within 75-150 Feet of Alignment	0	0
	Total Number of Residential Structures within 150 Feet of Alignment	0	0
	Number of Residential Structures within 150-300 Feet of Alignment	0	1
	Number of Residential Structures within 300-500 Feet of Alignment	0	0
	Total Number of Residential Structures within 500 Feet of Alignment	1	1
	Number of Non-Residential Structures within 150 Feet of Alignment	4	3
USFWS Easements	Number of USFWS Easements within ROW	0	0
	Total Acres of USFWS Easements within ROW	0	0
	Acres of USFWS Wetland Easements within ROW	0	0
	Acres of USFWS Grassland Easements within ROW	0	0
	Acres of USFWS Farmers Home Administration Easements within ROW	0	0
	Acres of USFWS Other Easements within ROW	0	0
MN County Biological Survey (MCBS) Sites of Biodiversity Significance	Total Acres of MCBS Sites of Biodiversity Significance within ROW	0	0
	Number of MCBS Sites of Biodiversity Significance within ROW	0	0
	Acres of Moderate MCBS Sites of Biodiversity Significance within ROW	0	0
	Acres of High MCBS Sites of Biodiversity Significance within ROW	0	0
	Acres of Outstanding MCBS Sites of Biodiversity Significance within ROW	0	0

**ALEXANDRIA TO QUARRY ROUTE ADJUSTMENT 16 COMPARISON**

**WETLAND AND WATER RESOURCES WITHIN THE RIGHT-OF-WAY**

		ROUTE ADJUSTMENT 16	COMPARABLE PORTION OF CURRENT PROPOSED ALIGNMENT TO ROUTE ADJUSTMENT 16
MCBS Native Plant Communities	Number of MCBS Native Plant Communities within ROW	0	0
	Acres of MCBS Native Plant Communities within ROW	0	0
MCBS Railroad ROW Prairies	Number of MCBS Railroad ROW Prairies	0	0
	Linear Feet of Fair MCBS Railroad ROW Prairies within ROW	0	0
	Linear Feet of Good MCBS Railroad ROW Prairies within ROW	0	0
	Linear Feet of Very Good MCBS Railroad ROW Prairies within ROW	0	0
MN Land Trust Conservation Easements	Number of MN Land Trust Conservation Easement Crossings within ROW	0	0
	Acres of MN Land Trust Conservation Easements within ROW	0	0
BWSR RIM Easements	Number of BWSR RIM Easement Crossings within ROW	0	0
	Acres of BWSR RIM Easements within ROW	0	0
Calcareous Fens	Number of Calcareous Fens within ROW	0	0
	Acres of Calcareous Fens within ROW	0	0
Sensitive Management Areas and Resources	Number of Waterfowl Production Areas within ROW	0	0
	Acres of Waterfowl Production Areas within ROW	0	0
	Number of Wildlife Management Areas within ROW	0	0
	Acres of Wildlife Management Areas within ROW	0	0
	Number of Scientific Natural Areas within ROW	0	0
	Acres of Scientific Natural Areas within ROW	0	0
	Number of Known Occurrences of Threatened and Endangered Species within ROW	0	0
	Number of Trout Stream Crossings within ROW	0	0
Acres of Prairie Bank Easements within ROW	0	0	

\*Pole locations associated with the anticipated alignment, which was previously identified and reviewed by the Commission, are based on preliminary spotting. Pole locations associated with the proposed route adjustment are based on preliminary design and reflect more representative average span lengths. For Route Adjustment 16, pole locations associated with both alignments are based only on preliminary spotting.

No hospitals, schools, landfill or dump sites, cemeteries, or churches are located within the ROW.

No Nature Conservancy lands are located within the ROW.



**Permit Maps  
ET2/TL-09-1056**

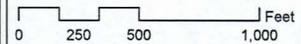


**Legend**

- Anticipated Alignment
- Anticipated Right-of-Way
- Permitted Route
- Adjusted Alignment
- Adjusted Right-of-Way
- Adjusted Route
- Quarry Substation Site
- Residence
- Non-residential Structure
- Municipal Boundary
- Township Boundary
- Section Boundary



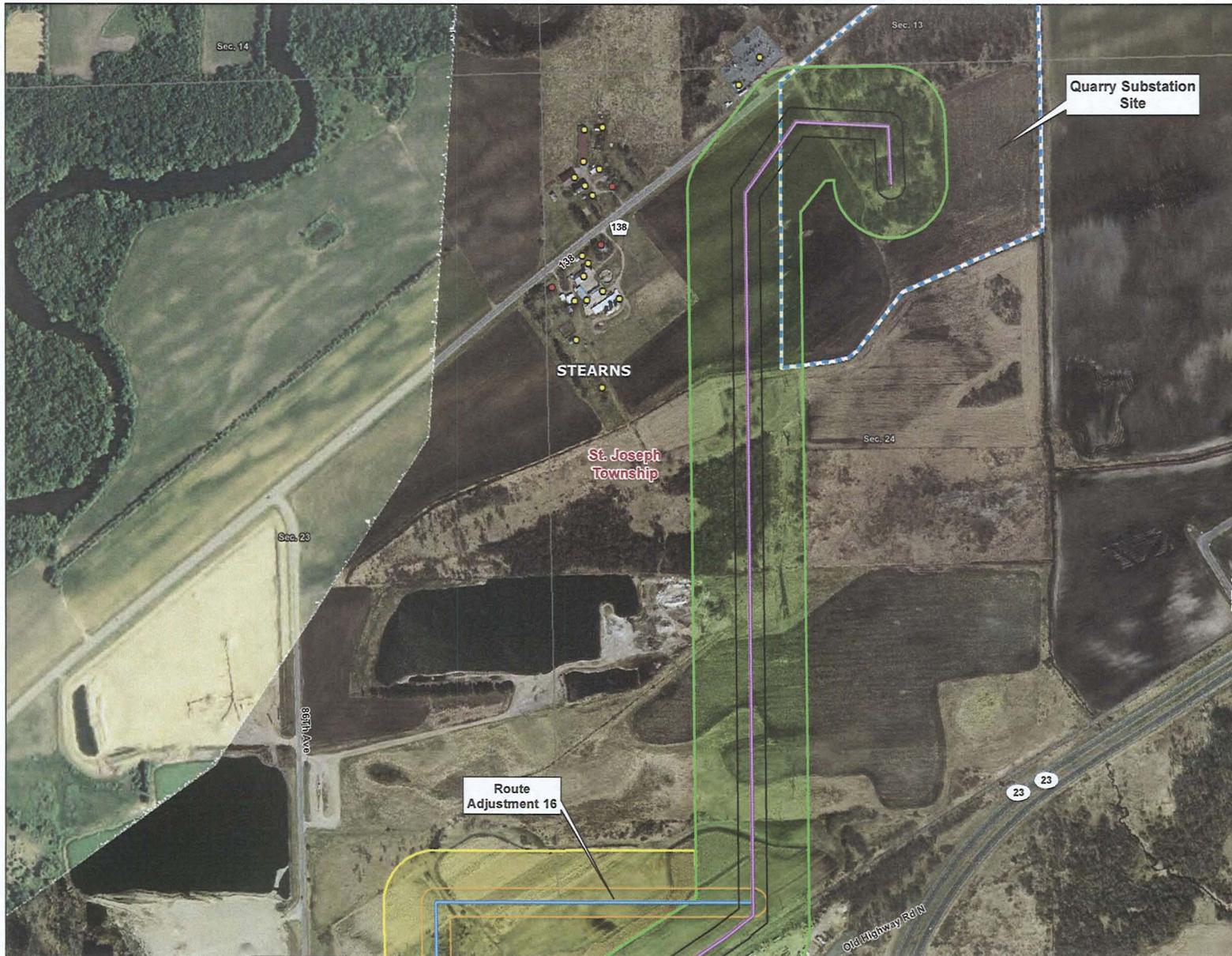
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**Fargo to St. Cloud  
345 kV Transmission  
Line Project**

DATE: 09/19/11

**151**



**Permit Maps  
ET2/TL-09-1056**

**Legend**

- Anticipated Alignment
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- Permitted Route
- Adjusted Alignment
- Adjusted Right-of-Way
- Adjusted Route
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- Residence
- Non-residential Structure
- Municipal Boundary
- Township Boundary
- Section Boundary

1:6,000  
0 250 500 1,000 Feet

**Fargo to St. Cloud  
345 kV Transmission  
Line Project**

DATE: 09/19/11	<b>152</b>
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