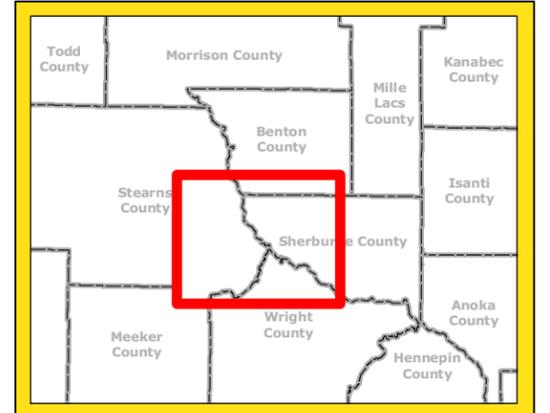


APPENDIX D

Information Related to All Routes Considered



Legend

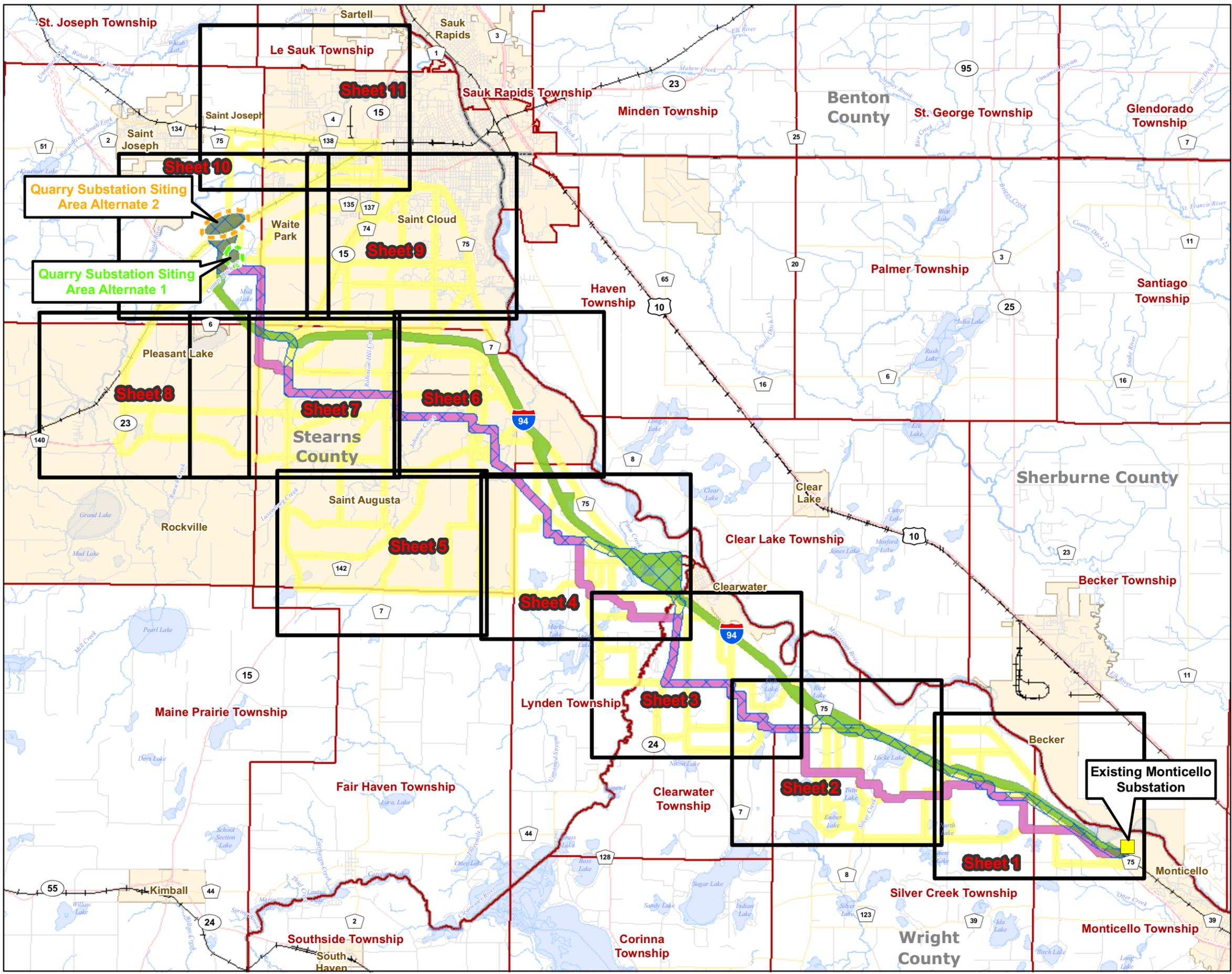
- Preferred Route
- ⊠ Alternate Route A
- Alternate Route B
- All Considered Route Segments
- ⋯ Quarry Substation Siting Area Alternate 1
- ⋯ Quarry Substation Siting Area Alternate 2
- Existing Monticello Substation
- Township
- + Municipal Boundary
- ~ Lakes
- ~ Rivers
- Map Index Pages

See Section 10.2 for data sources

1:140,000

Appendix D.1
Monticello to St Cloud
Route Permit
St. Cloud to Monticello
345 kV Transmission Line

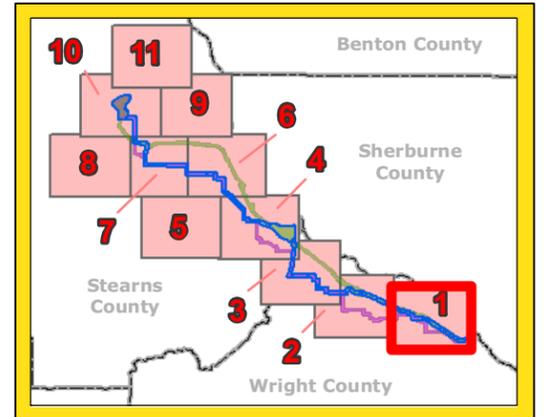
DATE: 02/18/09	REVISED: 03/27/09
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Quarry Substation Siting Area Alternate 2

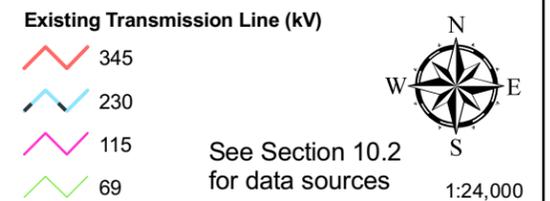
Quarry Substation Siting Area Alternate 1

Existing Monticello Substation



Legend

- Preferred Route
- Alternate Route A
- Alternate Route B
- All Considered Route Segments
- Quarry Substation Siting Area Alternate 1
- Quarry Substation Siting Area Alternate 2
- Existing Substation
- Township
- Municipal Boundary
- Section Lines
- Lakes
- Streams

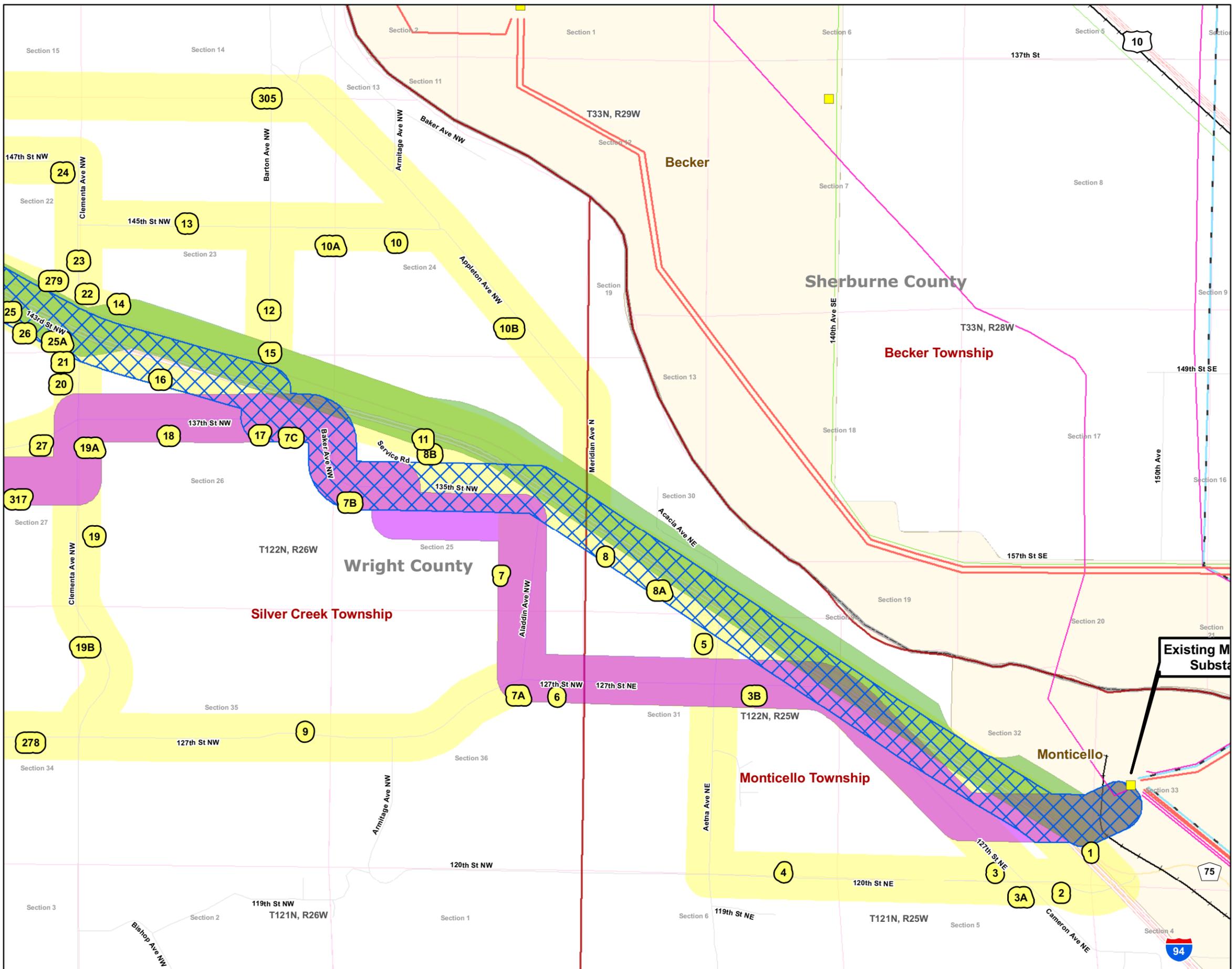


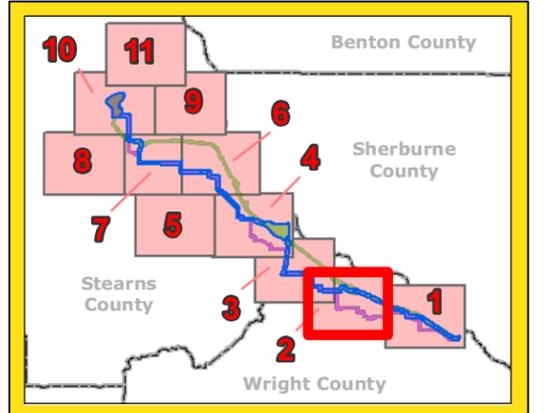
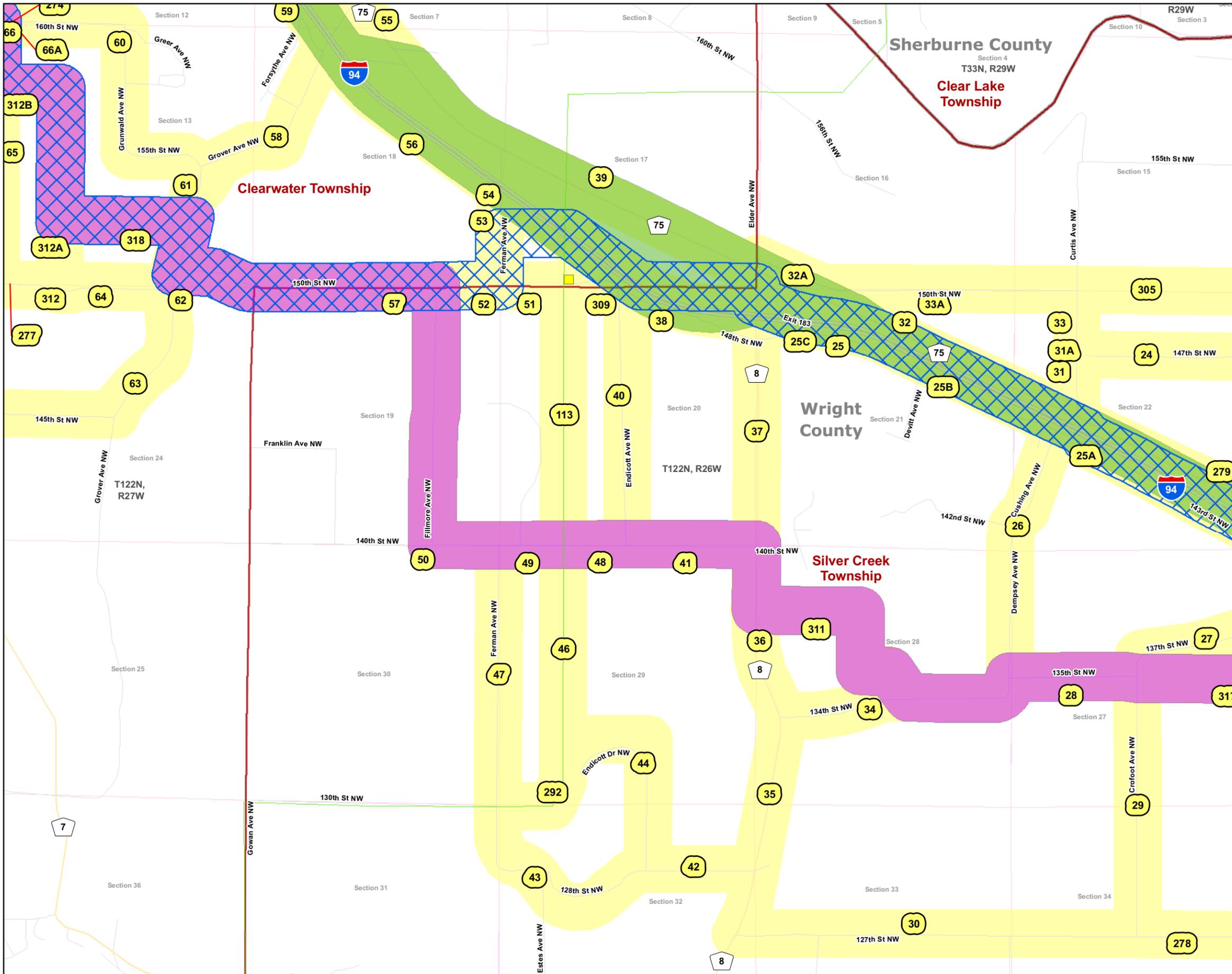
Appendix D.1 Monticello to St Cloud Route Permit St. Cloud to Monticello 345 kV Transmission Line

DATE: 02/18/09 REVISED: 03/27/09

DRAWN BY: MLTeichert

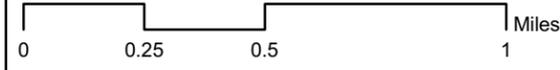
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Legend

- Preferred Route
 - Alternate Route A
 - Alternate Route B
 - All Considered Route Segments
 - Quarry Substation Siting Area Alternate 1
 - Quarry Substation Siting Area Alternate 2
 - Existing Substation
 - Township
 - Municipal Boundary
 - Section Lines
 - Lakes
 - Streams
- Existing Transmission Line (kV)**
- 345
 - 230
 - 115
 - 69
- See Section 10.2 for data sources

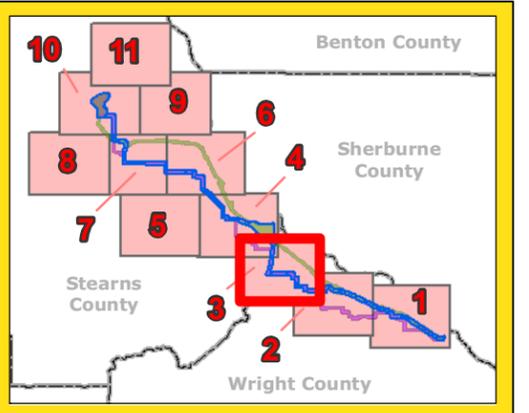
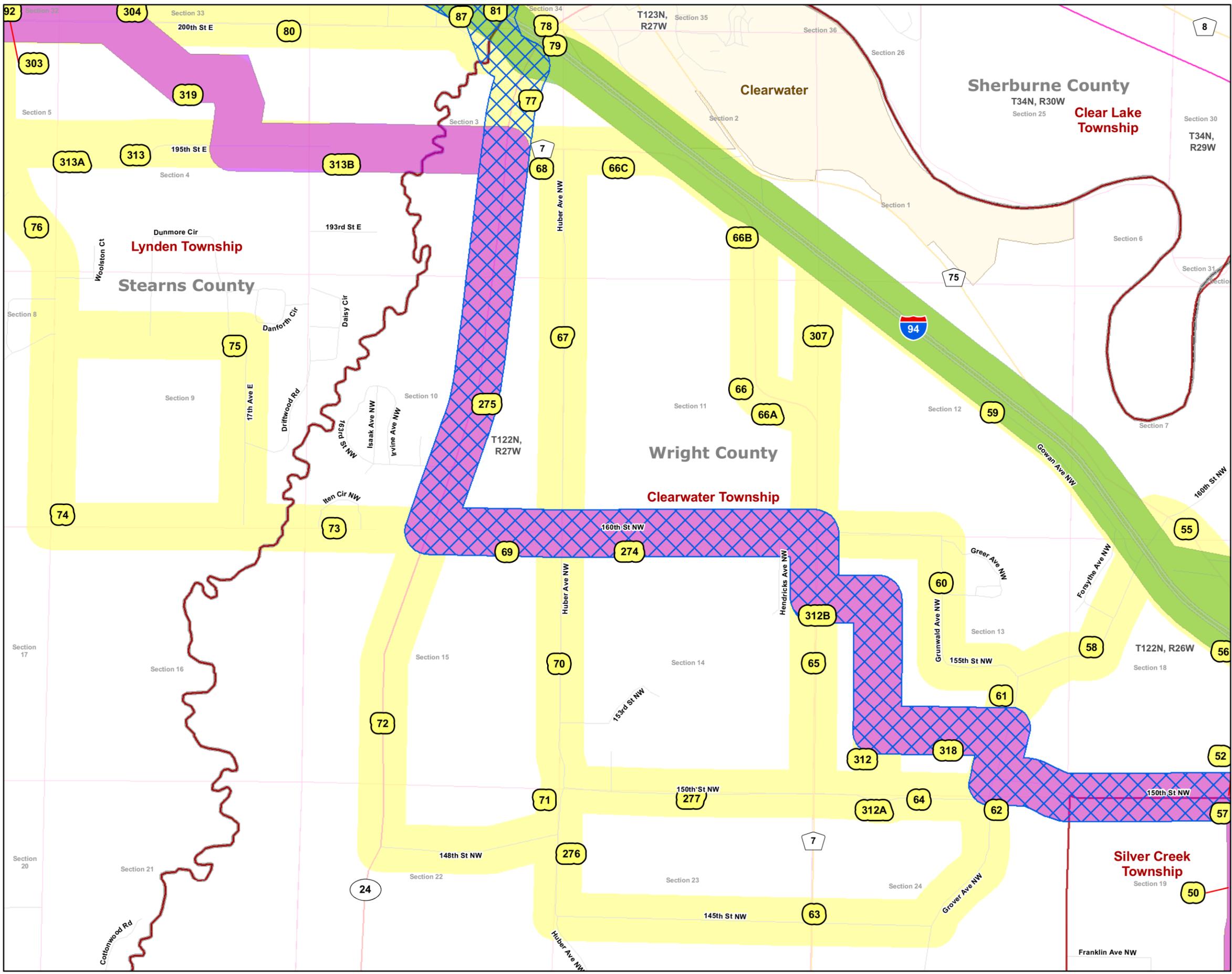


Appendix D.1
Monticello to St Cloud
Route Permit
St. Cloud to Monticello
345 kV Transmission Line

DATE: 02/18/09 REVISED: 03/27/09

DRAWN BY: MLTeichert

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Legend

- Preferred Route
 - Alternate Route A
 - Alternate Route B
 - All Considered Route Segments
 - Quarry Substation Siting Area Alternate 1
 - Quarry Substation Siting Area Alternate 2
 - Existing Substation
 - Township
 - Municipal Boundary
 - Section Lines
 - Lakes
 - Streams
- Existing Transmission Line (kV)**
- 345
 - 230
 - 115
 - 69
- See Section 10.2 for data sources

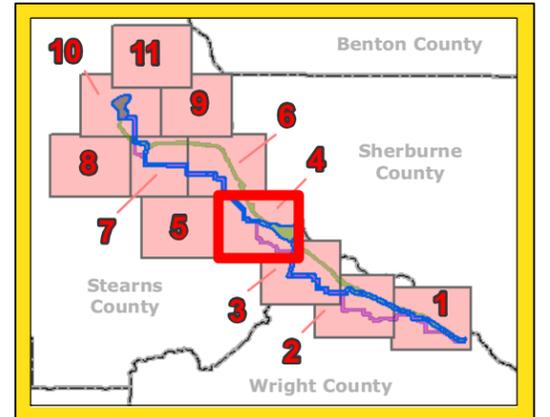


Appendix D.1
Monticello to St Cloud
 Route Permit
 St. Cloud to Monticello
 345 kV Transmission Line

DATE: 02/18/09 REVISED: 03/27/09

DRAWN BY: MLTeichert

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Legend

- Preferred Route
- Alternate Route A
- Alternate Route B
- All Considered Route Segments
- Quarry Substation Siting Area Alternate 1
- Quarry Substation Siting Area Alternate 2
- Existing Substation
- Township
- Municipal Boundary
- Section Lines
- Lakes
- Streams

- Existing Transmission Line (kV)**
- 345
 - 230
 - 115
 - 69
- See Section 10.2 for data sources

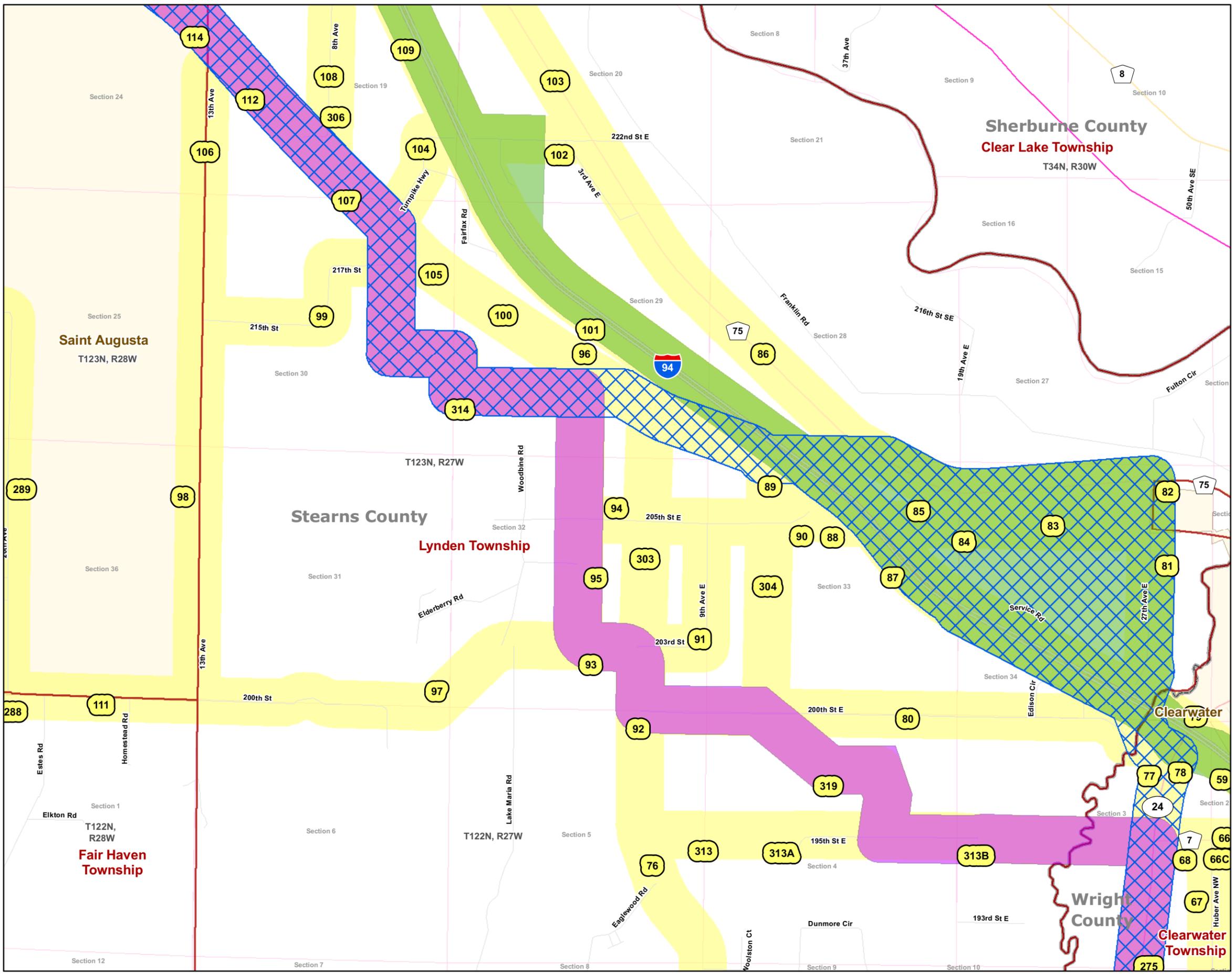


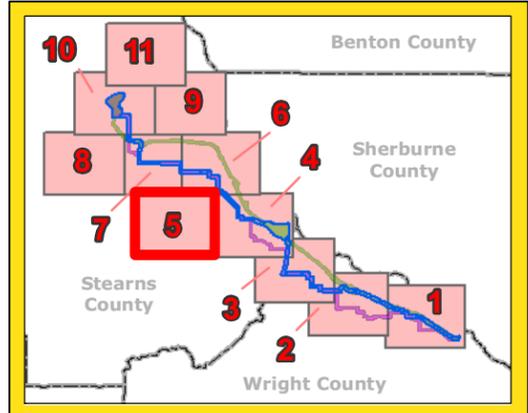
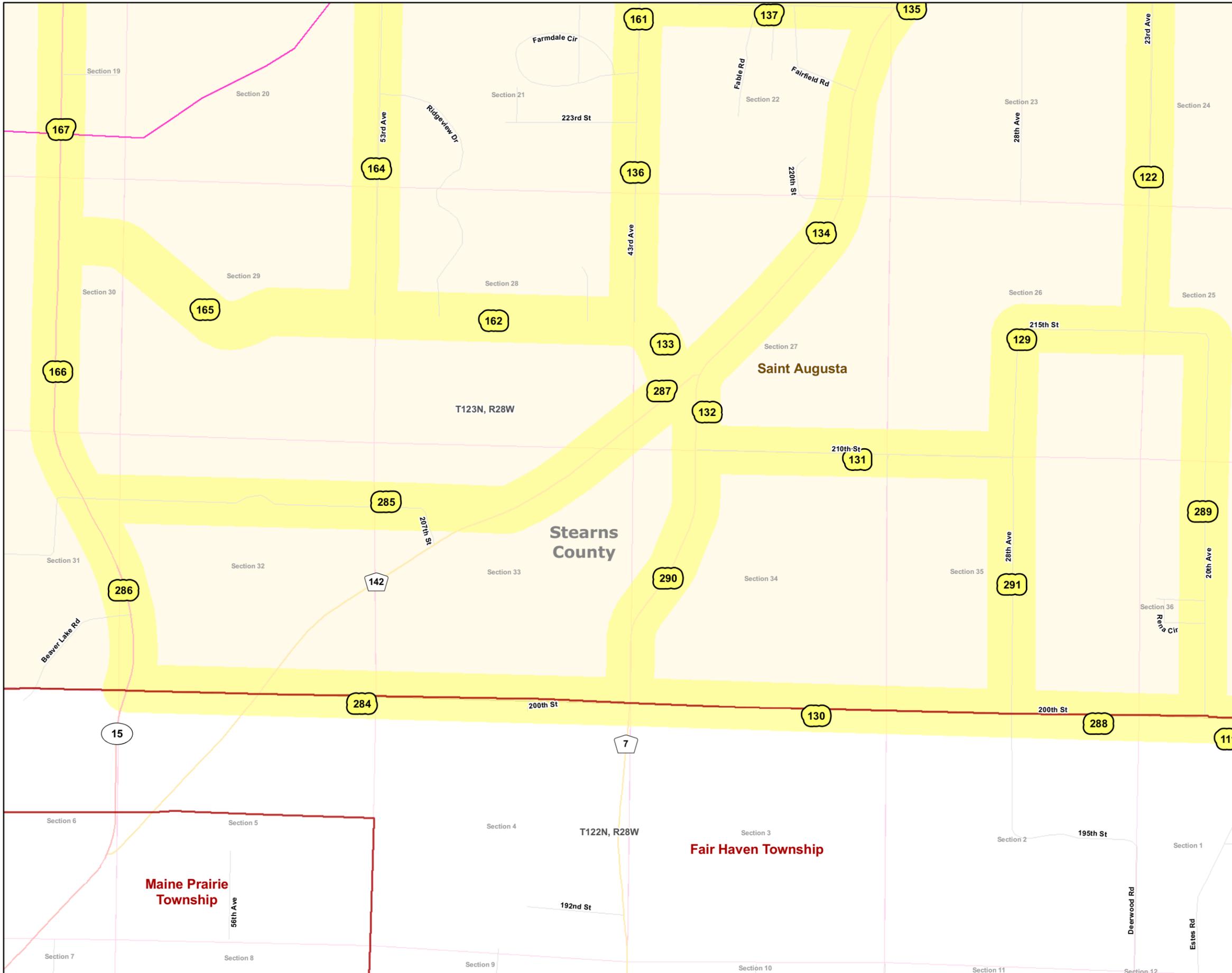
Appendix D.1
Monticello to St Cloud
Route Permit
St. Cloud to Monticello
345 kV Transmission Line

DATE: 02/18/09 REVISED: 03/27/09

DRAWN BY: MLTeichert

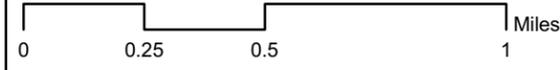
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Legend

- Preferred Route
 - Alternate Route A
 - Alternate Route B
 - All Considered Route Segments
 - Quarry Substation Siting Area Alternate 1
 - Quarry Substation Siting Area Alternate 2
 - Existing Substation
 - Township
 - Municipal Boundary
 - Section Lines
 - Lakes
 - Streams
- Existing Transmission Line (kV)**
- 345
 - 230
 - 115
 - 69
- See Section 10.2 for data sources

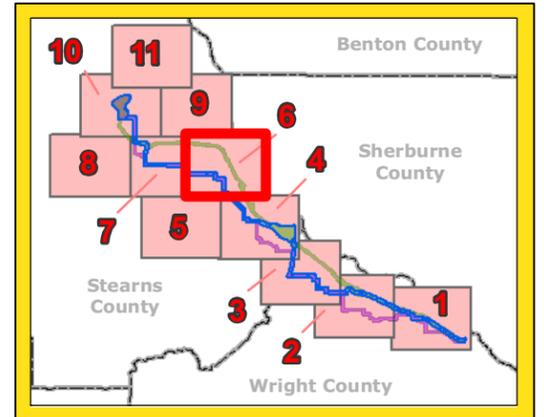


**Appendix D.1
Monticello to St Cloud
Route Permit
St. Cloud to Monticello
345 kV Transmission Line**

DATE: 02/18/09 REVISED: 03/27/09

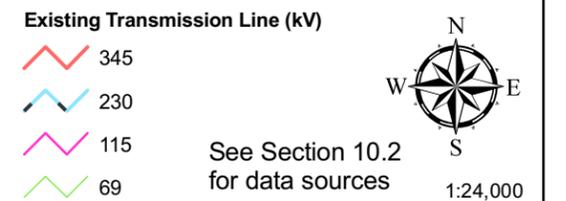
DRAWN BY: MLTeichert

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Legend

- Preferred Route
- Alternate Route A
- Alternate Route B
- All Considered Route Segments
- Quarry Substation Siting Area Alternate 1
- Quarry Substation Siting Area Alternate 2
- Existing Substation
- Township
- Municipal Boundary
- Section Lines
- Lakes
- Streams

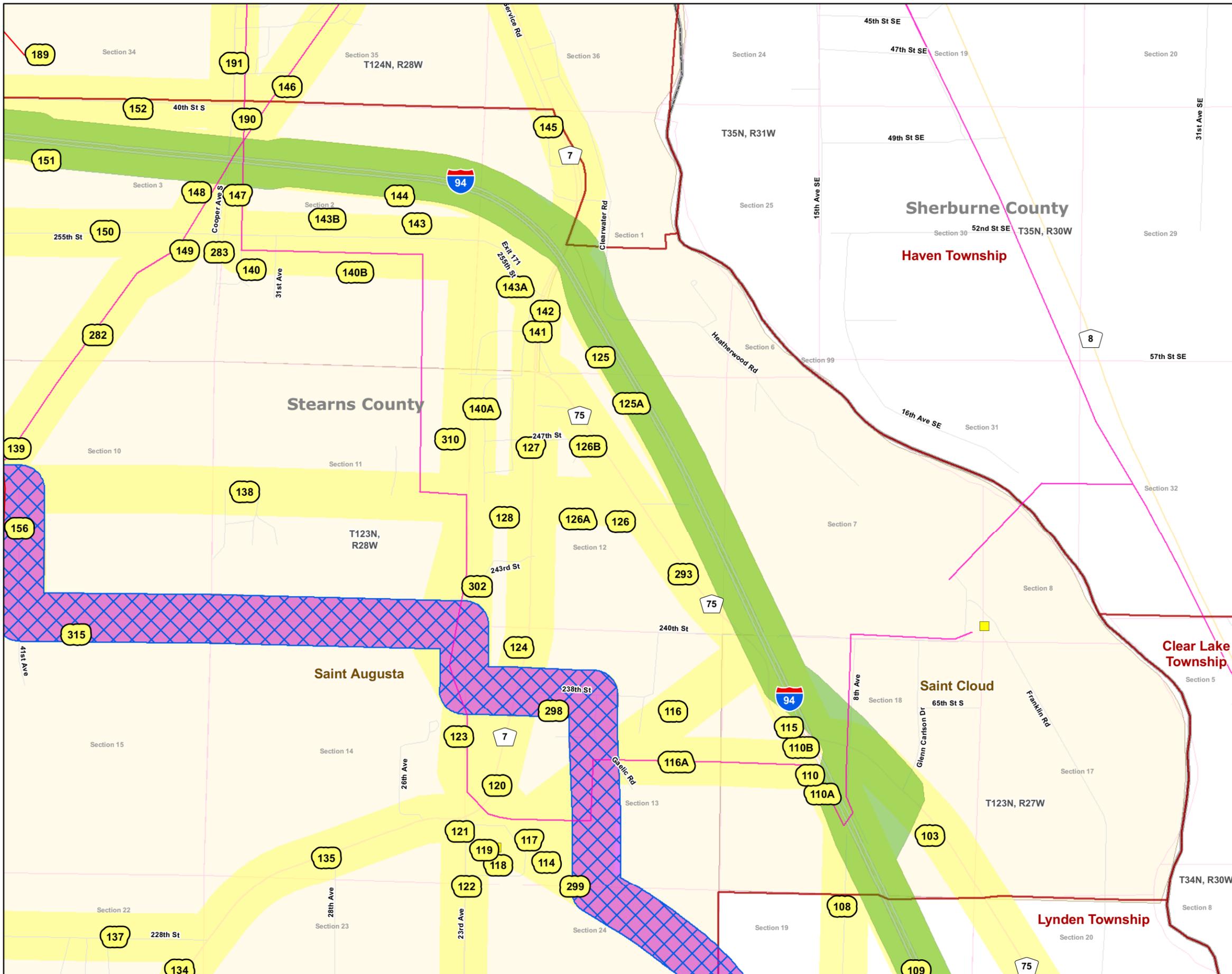


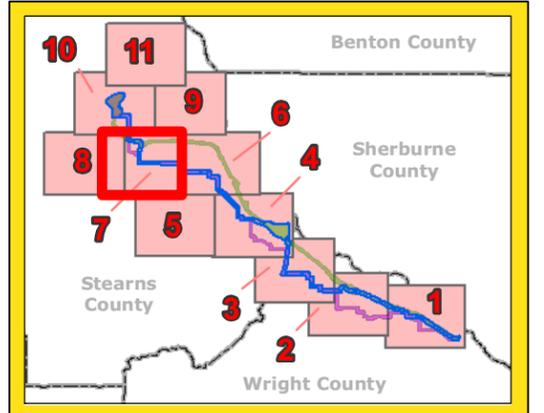
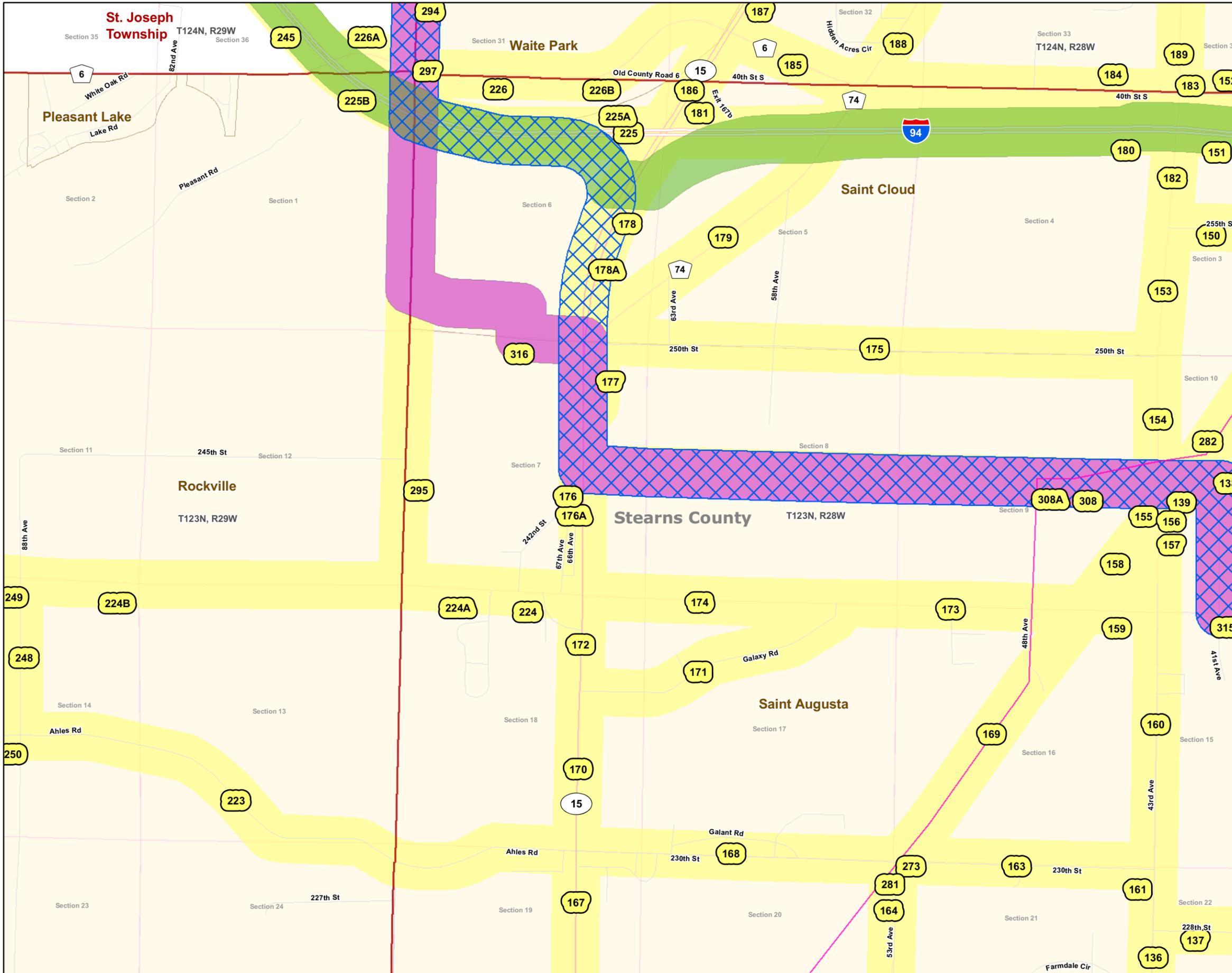
Appendix D.1
Monticello to St Cloud
Route Permit
St. Cloud to Monticello
345 kV Transmission Line

DATE: 02/18/09 REVISED: 03/27/09

DRAWN BY: MLTeichert

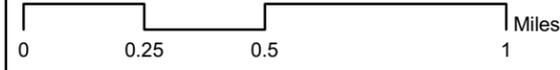
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Legend

- Preferred Route
 - Alternate Route A
 - Alternate Route B
 - All Considered Route Segments
 - Quarry Substation Siting Area Alternate 1
 - Quarry Substation Siting Area Alternate 2
 - Existing Substation
 - Township
 - Municipal Boundary
 - Section Lines
 - Lakes
 - Streams
- Existing Transmission Line (kV)**
- 345
 - 230
 - 115
 - 69
- See Section 10.2 for data sources

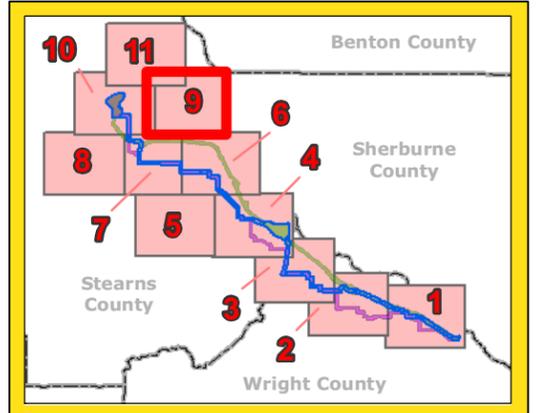
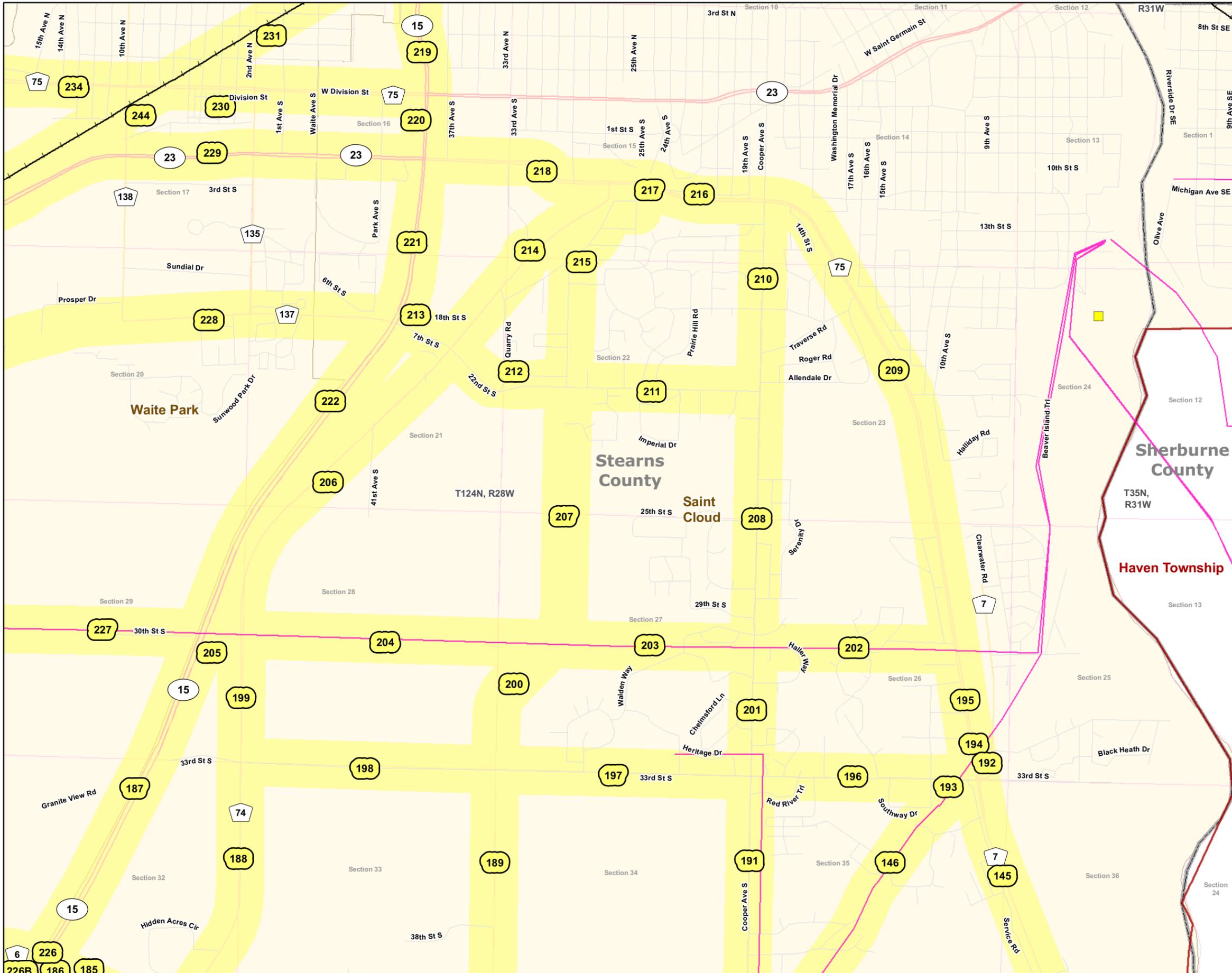


Appendix D.1
Monticello to St Cloud
 Route Permit
 St. Cloud to Monticello
 345 kV Transmission Line

DATE: 02/18/09 REVISED: 03/27/09

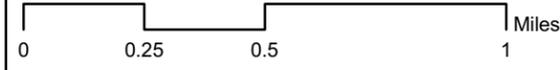
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Legend

- Preferred Route
 - Alternate Route A
 - Alternate Route B
 - All Considered Route Segments
 - Quarry Substation Siting Area Alternate 1
 - Quarry Substation Siting Area Alternate 2
 - Existing Substation
 - Township
 - Municipal Boundary
 - Section Lines
 - Lakes
 - Streams
- Existing Transmission Line (kV)**
- 345
 - 230
 - 115
 - 69
- See Section 10.2 for data sources

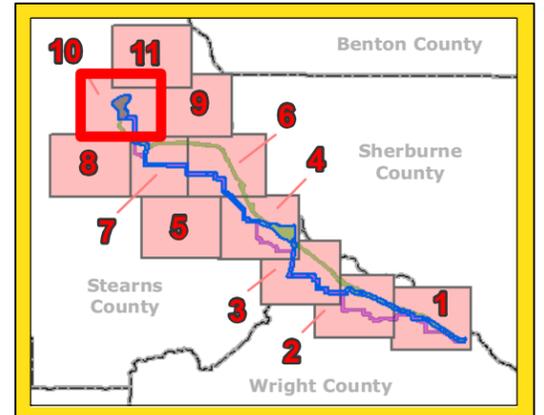


**Appendix D.1
Monticello to St Cloud
Route Permit
St. Cloud to Monticello
345 kV Transmission Line**

DATE: 02/18/09 REVISED: 03/27/09

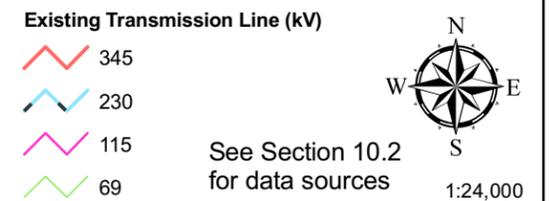
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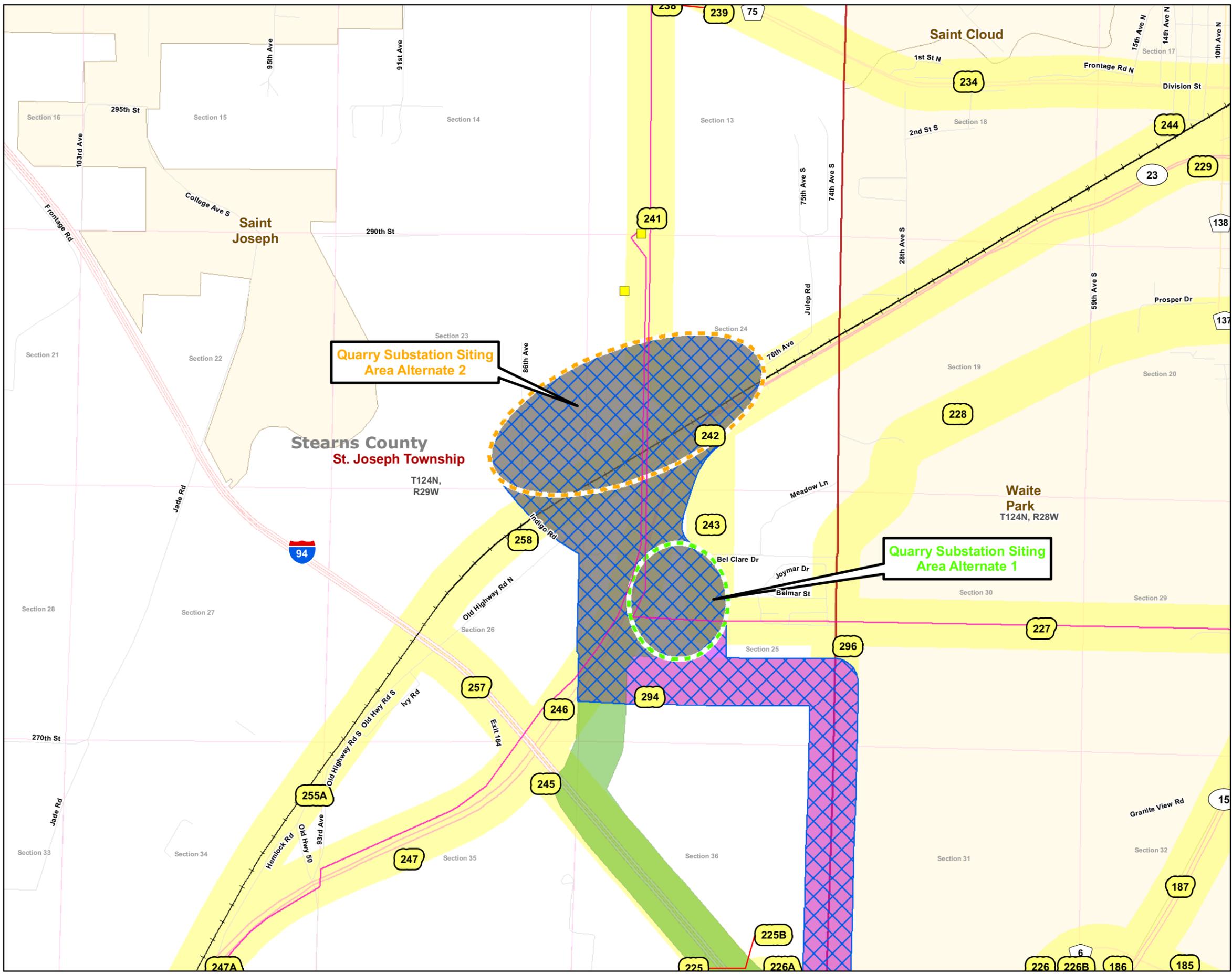
- Preferred Route
- Alternate Route A
- Alternate Route B
- All Considered Route Segments
- Quarry Substation Siting Area Alternate 1
- Quarry Substation Siting Area Alternate 2
- Existing Substation
- Township
- Municipal Boundary
- Section Lines
- Lakes
- Streams

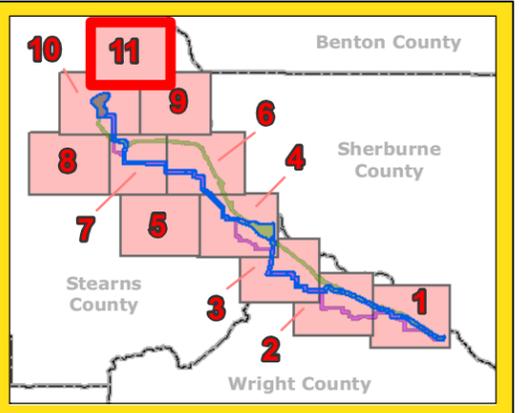


Appendix D.1 Monticello to St Cloud

Route Permit St. Cloud to Monticello 345 kV Transmission Line

DATE: 02/18/09	REVISED: 03/27/09
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10	





Legend

- Preferred Route
 - Alternate Route A
 - Alternate Route B
 - All Considered Route Segments
 - ⊗ Quarry Substation Siting Area Alternate 1
 - ⊗ Quarry Substation Siting Area Alternate 2
 - Existing Substation
 - Township
 - Municipal Boundary
 - Section Lines
 - ~ Lakes
 - ~ Streams
- Existing Transmission Line (kV)**
- 345
 - 230
 - 115
 - 69
- See Section 10.2 for data sources



Appendix D.1
Monticello to St Cloud
Route Permit
St. Cloud to Monticello
345 kV Transmission Line

DATE: 02/18/09	REVISED: 03/27/09
DRAWN BY: MLTeichert	
M:\Clients\V-XXCL\CapX\Monticello\ArcGIS\2009\02\App_Figures\XCL_CAPX_All_Routes_Considered.mxd	11

		Minnesota Rules Chapter 7849 ³																
		MR 7849.5910 (A) ⁴																
Segment ¹	Segment Area (Acres) ¹	Buildings or Structures, Non-Residential (Count) ⁹	Churches (Count) ¹⁰	Commercial / Business / Institutional / Public Zoning or Land Use (Acres) ¹¹	Commercial / Business / Institutional / Public Zoning or Land Use (% of Segment Area) ¹¹	County Trails (Count) ¹²	Daycare Facilities (Count) ¹³	Hospitals (Count) ¹⁴	Industrial Zoning or Land Use (Acreage) ¹¹	Industrial Zoning or Land Use (% of Segment Area) ¹¹	Population Centers (Acreage) ¹⁵	Population Centers (% of Segment Area) ¹⁵	Recreational / Open Space / Park Zoning or Land Use (Acreage) ¹¹	Recreational / Open Space / Park Zoning or Land Use (% of Segment Area) ¹¹	Residences (Count) ⁹	Residential Zoning or Land Use (Acreage) ¹¹	Residential Zoning or Land Use (% of Segment Area) ¹¹	Schools (Count) ¹⁶
1	277	5	0	0	0.0%	1	0	0	24	8.6%	24	8.6%	49	17.9%	3	0	0.0%	0
2	60	1	0	0	0.0%	1	0	0	3	4.3%	3	4.3%	0	0.0%	1	0	0.0%	0
3	204	9	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	13	6.5%	15	16	7.6%	0
3A	156	5	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	10	6.1%	3	0	0.0%	0
3B	67	5	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	7	10.0%	12	16	23.4%	0
4	259		0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%		48	18.5%	0
5	54	7	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	1	1.8%	10	5	8.9%	0
6	110	18	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	16	5	4.3%	0
7	248	7	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	4	0	0.0%	0
7A	99	4	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	0	0.0%	0
7B	146	3	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	0	0.0%	0
7C	39	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%	0
8	283	4	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	4	1.5%	4	21	7.4%	0
8A	101	3	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	4	4.2%	4	6	6.0%	0
8B	203	1	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	16	8.0%	0
9	236	0	1	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	105	44.4%	0
10	258	27	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	26	10.1%	18	51	20.0%	0
10A	263	27	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	26	9.9%	18	52	19.6%	0
10B	181	15	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	26	14.3%	9	42	23.3%	0
11	185		0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.3%		32	17.5%	0
12	86		0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%		0	0.0%	0
13	110	4	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	0	0.0%	0
14	113		0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%		0	0.0%	0
15	26	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%	0
16	125	3	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	0	0.0%	0
17	31	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%	0
18	107	3	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	0	0.0%	0
19	177	1	1	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	1	0.4%	0
20	49	3	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	0	0.0%	0
21	27	3	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	0	0.0%	0
22	29	3	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	6	0	0.0%	0
23	57	7	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	9	0	0.0%	0
24	138	13	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	5	0	0.0%	0
25	313	20	0	29	9.3%	1	0	0	1	0.3%	0	0.0%	0	0.0%	28	16	5.1%	0
25A	134	7	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	7	0	0.0%	0
25B	139	14	0	5	3.6%	0	0	0	0	0.0%	0	0.0%	0	0.0%	20	16	11.3%	0
25C	80	4	0	29	36.3%	1	0	0	1	1.2%	0	0.0%	0	0.0%	2	2	2.3%	0
26	256		0	0	0.0%	0	1	0	0	0.0%	0	0.0%	0	0.0%		12	4.8%	0

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																		
		MR 7849.5910 (C) ⁵						MR 7849.5910 (D) ⁶			MR 7849.5910 (E) ⁷									
		Aggregate Locations (Count) ¹⁷	Agriculture Zoning or Land Use (Acreage) ¹¹	Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Center Pivot Irrigation Systems (Count) ¹⁸	Special Protection Agriculture Zoning or Land Use (Acreage) ¹¹	Special Protection Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Archaeological Sites (Count) ¹⁹	Historical Sites (Count) ¹⁹	NPS National Register of Historic Places (Count) ²⁰	BWSR Re-invest In Minnesota (RIM) Easements (Acreage) ²¹	BWSR Re-invest In Minnesota (RIM) Easements (% of Segment Area) ²¹	Lakes (Acreage) ²²	Lakes (% of Segment Area) ²²	Minnesota County Biological Survey Sites of Biosignificance (Acreage) ²²	Minnesota County Biological Survey Sites of Biosignificance (% of Segment Area) ²²	Minnesota Restorable Wetlands (Acreage) ²³	Minnesota Restorable Wetlands (% of Segment Area) ²³	MDNR Wildlife Management Areas (Acreage) ²²	MDNR Wildlife Management Areas (Acreage) ²²
1	277	0	202	72.9%	0	0	0.0%	0	0	0	0	0.0%	3	1.0%	104	37.5%	0	0.0%	0	0.0%
2	60	0	57	95.7%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	7	12.4%	0	0.0%	0	0.0%
3	204	0	175	85.8%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	123	60.0%	0	0.0%	0	0.0%
3A	156	0	146	93.9%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
3B	67	0	44	66.6%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
4	259	0	211	81.5%	0	0	0.0%	0	0	0	0	0.0%	0	0.1%	2	0.7%	0	0.0%	0	0.0%
5	54	0	48	89.3%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
6	110	0	106	95.7%	0	0	0.0%	0	0	0	0	0.0%	1	1.2%	0	0.0%	0	0.0%	0	0.0%
7	248	0	248	100.0%	1	0	0.0%	0	0	0	0	0.0%	3	1.2%	0	0.0%	0	0.0%	0	0.0%
7A	99	0	99	100.0%	1	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
7B	146	0	146	100.0%	1	0	0.0%	0	0	0	0	0.0%	3	2.0%	0	0.0%	0	0.0%	0	0.0%
7C	39	0	39	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.3%	0	0.0%	0	0.0%	0	0.0%
8	283	0	258	91.1%	3	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
8A	101	0	90	89.7%	2	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
8B	203	0	187	92.0%	2	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
9	236	0	131	55.6%	0	0	0.0%	0	0	0	0	0.0%	14	6.0%	23	9.8%	0	0.0%	0	0.0%
10	258	0	180	70.0%	2	0	0.0%	0	0	0	0	0.0%	0	0.0%	9	3.6%	0	0.0%	0	0.0%
10A	263	0	185	70.5%	2	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
10B	181	0	113	62.4%	2	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
11	185	0	152	82.3%	2	0	0.0%	0	0	0	0	0.0%	3	1.4%	0	0.0%	0	0.0%	0	0.0%
12	86	0	86	100.0%	0	0	0.0%	0	0	0	0	0.0%	4	4.1%	0	0.0%	0	0.0%	0	0.0%
13	110	0	110	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
14	113	0	113	100.0%	0	0	0.0%	0	0	0	0	0.0%	3	2.8%	0	0.0%	0	0.0%	0	0.0%
15	26	0	26	100.0%	0	0	0.0%	0	0	0	0	0.0%	2	6.5%	0	0.0%	0	0.0%	0	0.0%
16	125	0	125	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.2%	0	0.0%	0	0.0%	0	0.0%
17	31	0	31	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.3%	0	0.0%	0	0.0%	0	0.0%
18	107	0	107	100.0%	0	0	0.0%	0	0	0	0	0.0%	1	1.0%	7	6.3%	0	0.0%	0	0.0%
19	177	0	177	99.6%	0	0	0.0%	0	0	0	0	0.0%	11	6.2%	22	12.6%	0	0.0%	0	0.0%
20	49	0	49	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
21	27	0	27	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
22	29	0	29	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
23	57	0	57	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
24	138	0	138	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.1%	0	0.0%	0	0.0%	0	0.0%
25	313	1	267	85.3%	0	0	0.0%	0	0	0	0	0.0%	10	3.2%	0	0.0%	0	0.0%	0	0.0%
25A	134	0	134	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
25B	139	1	119	85.1%	0	0	0.0%	0	0	0	0	0.0%	9	6.4%	0	0.0%	0	0.0%	0	0.0%
25C	80	0	48	60.2%	0	0	0.0%	0	0	0	0	0.0%	1	0.6%	0	0.0%	0	0.0%	0	0.0%
26	256	0	244	95.2%	1	0	0.0%	0	0	0	0	0.0%	1	0.4%	0	0.0%	0	0.0%	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																	
		MR 7849.5910 (E) ⁷												MR7849.5910 (F) ⁸		Other			
		MDNR Scientific and Natural Areas (Acreage) ²²	MDNR Scientific and Natural Areas (% of Segment Area) ²²	State Wild and Scenic River Districts (Acreage) ²²	State Wild and Scenic River Districts (% of Segment Area) ²²	Stream Crossings (Count) ²²	Trout Stream Crossings (Count) ²²	USFWS Conservation Easements (Acreage) ²⁴	USFWS Conservation Easements (% of Segment Area) ²⁴	USFWS National Wetland Inventory (NWI) Wetlands (Acreage) ²⁵	USFWS National Wetland Inventory (NWI) Wetlands (% of Segment Area) ²⁵	Wooded Areas (Acreage) ²⁶	Wooded Areas (% of Segment Area) ²⁶	State Listed Threatened, Endangered or Candidate Species Known Occurrences (Count) ²⁷	Airports (Count) ²⁸	FCC Antenna Structures (Count) ²⁹	Cemeteries (Count) ¹⁰	County Identified Municipal Zoning or Land Use (Acreage) ¹¹	County Identified Municipal Zoning or Land Use (% of Segment Area) ¹¹
1	277	0	0.0%	105	38.1%	0	0	0	0.0%	5	1.6%	127	45.8%	0	0	0	0	0	0.0%
2	60	0	0.0%	0	0.0%	0	0	0	0.0%	1	1.1%	13	22.2%	0	0	0	0	0	0.0%
3	204	0	0.0%	28	13.6%	0	0	0	0.0%	9	4.5%	85	41.7%	0	0	0	0	0	0.0%
3A	156	0	0.0%	23	14.8%	0	0	0	0.0%	9	6.0%	85	54.4%	0	0	0	0	0	0.0%
3B	67	0	0.0%	13	20.2%	0	0	0	0.0%	0	0.0%	0	0.7%	0	0	0	0	0	0.0%
4	259	0	0.0%	0	0.0%	4	0	0	0.0%	18	6.8%	40	15.4%	0	0	0	0	0	0.0%
5	54	0	0.0%	1	2.5%	0	0	0	0.0%	0	0.0%	21	38.9%	0	0	0	0	0	0.0%
6	110	0	0.0%	0	0.0%	0	0	0	0.0%	2	1.9%	3	2.7%	0	0	0	0	0	0.0%
7	248	0	0.0%	0	0.0%	0	0	0	0.0%	11	4.4%	60	24.2%	0	0	1	0	0	0.0%
7A	99	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	2	1.7%	0	0	0	0	0	0.0%
7B	146	0	0.0%	0	0.0%	0	0	0	0.0%	9	6.4%	60	40.9%	0	0	1	0	0	0.0%
7C	39	0	0.0%	0	0.0%	0	0	0	0.0%	2	3.8%	0	1.1%	0	0	0	0	0	0.0%
8	283	0	0.0%	4	1.4%	0	0	0	0.0%	2	0.6%	70	24.8%	0	0	0	0	0	0.0%
8A	101	0	0.0%	4	4.0%	0	0	0	0.0%	0	0.2%	41	40.3%	0	0	0	0	0	0.0%
8B	203	0	0.0%	0	0.0%	0	0	0	0.0%	2	0.7%	30	14.7%	0	0	0	0	0	0.0%
9	236	0	0.0%	0	0.0%	0	0	0	0.0%	31	13.2%	116	49.0%	0	0	0	0	0	0.0%
10	258	0	0.0%	26	10.2%	0	0	0	0.0%	2	0.6%	56	21.7%	0	0	0	0	0	0.0%
10A	263	0	0.0%	26	10.0%	0	0	0	0.0%	2	0.6%	56	21.2%	0	0	0	0	0	0.0%
10B	181	0	0.0%	26	14.5%	0	0	0	0.0%	1	0.4%	18	10.1%	0	0	0	0	0	0.0%
11	185	0	0.0%	0	0.2%	0	0	0	0.0%	4	2.4%	41	22.0%	0	0	0	0	0	0.0%
12	86	0	0.0%	0	0.0%	0	0	0	0.0%	7	8.5%	9	9.9%	0	0	0	0	0	0.0%
13	110	0	0.0%	0	0.0%	0	0	0	0.0%	2	1.7%	11	10.3%	0	0	0	0	0	0.0%
14	113	0	0.0%	0	0.0%	0	0	0	0.0%	12	11.0%	4	3.6%	0	0	0	0	0	0.0%
15	26	0	0.0%	0	0.0%	0	0	0	0.0%	3	11.2%	0	0.0%	0	0	0	0	0	0.0%
16	125	0	0.0%	0	0.0%	0	0	0	0.0%	7	5.6%	10	8.2%	0	0	0	0	0	0.0%
17	31	0	0.0%	0	0.0%	0	0	0	0.0%	1	2.1%	0	1.4%	0	0	0	0	0	0.0%
18	107	0	0.0%	0	0.0%	0	0	0	0.0%	17	15.8%	51	47.5%	0	0	0	0	0	0.0%
19	177	0	0.0%	0	0.0%	0	0	0	0.0%	27	15.0%	93	52.7%	1	0	0	0	0	0.0%
20	49	0	0.0%	0	0.0%	0	0	0	0.0%	5	9.7%	6	12.6%	0	0	0	0	0	0.0%
21	27	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0	0.0%
22	29	0	0.0%	0	0.0%	0	0	0	0.0%	0	1.2%	0	0.8%	0	0	0	0	0	0.0%
23	57	0	0.0%	0	0.0%	0	0	0	0.0%	6	11.1%	23	40.3%	0	0	0	0	0	0.0%
24	138	0	0.0%	0	0.0%	0	0	0	0.0%	2	1.4%	8	5.6%	0	0	0	0	0	0.0%
25	313	0	0.0%	0	0.0%	1	0	0	0.0%	26	8.4%	27	8.7%	0	0	0	0	0	0.0%
25A	134	0	0.0%	0	0.0%	0	0	0	0.0%	1	0.7%	9	6.6%	0	0	0	0	0	0.0%
25B	139	0	0.0%	0	0.0%	1	0	0	0.0%	22	15.7%	19	13.4%	0	0	0	0	0	0.0%
25C	80	0	0.0%	0	0.0%	0	0	0	0.0%	6	7.4%	1	1.0%	0	0	0	0	0	0.0%
26	256	0	0.0%	0	0.0%	0	0	0	0.0%	9	3.6%	48	18.7%	0	0	0	0	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Other				
		Floodplain (Acreage) ³⁰	Floodplain (% of Segment Area) ³⁰	Landfills / Dumps (Count) ³¹	USDA Conservation Reserve Program (CRP) Land (Acreage) ³²	USDA Conservation Reserve Program (CRP) Land (% of Segment Area) ³²
1	277	3	0.9%	0	0	0.0%
2	60	0	0.0%	0	0	0.0%
3	204	0	0.0%	0	0	0.0%
3A	156	0	0.0%	0	0	0.0%
3B	67	0	0.0%	0	0	0.0%
4	259	0	0.0%	0	0	0.0%
5	54	0	0.0%	0	0	0.0%
6	110	0	0.0%	0	0	0.0%
7	248	0	0.0%	0	11	4.3%
7A	99	0	0.0%	0	5	4.8%
7B	146	0	0.0%	0	11	7.3%
7C	39	0	0.0%	0	0	0.0%
8	283	0	0.0%	0	2	0.5%
8A	101	0	0.0%	0	0	0.0%
8B	203	0	0.0%	0	2	0.7%
9	236	0	0.0%	0	4	1.7%
10	258	0	0.0%	0	0	0.0%
10A	263	0	0.0%	0	0	0.0%
10B	181	0	0.0%	0	0	0.0%
11	185	0	0.0%	0	0	0.0%
12	86	0	0.0%	0	0	0.0%
13	110	0	0.0%	0	0	0.0%
14	113	0	0.0%	0	9	7.8%
15	26	0	0.0%	0	0	0.0%
16	125	0	0.0%	0	11	8.6%
17	31	0	0.0%	0	0	0.0%
18	107	0	0.0%	0	0	0.0%
19	177	0	0.0%	0	16	9.1%
20	49	0	0.0%	0	2	3.5%
21	27	0	0.0%	0	2	8.8%
22	29	0	0.0%	0	2	7.5%
23	57	0	0.0%	0	0	0.2%
24	138	0	0.0%	0	15	11.2%
25	313	0	0.0%	0	2	0.8%
25A	134	0	0.0%	0	2	1.8%
25B	139	0	0.0%	0	0	0.0%
25C	80	0	0.0%	0	0	0.0%
26	256	0	0.0%	0	20	8.0%

Assumptions / Data Sources:

- Route Segments are generally 1,000 feet wide (500 feet each side of the opportunity paralleled). For divided lane highways, 500 feet from the middle of the two lanes each direction traveled.
- This table only includes the sensitivities or impacts that occur along at least one of the Route Segments.
- Minnesota Rules Chapter 7849 list the factors that should be considered for transmission line siting.
- MR7849.5910 (A): effects on human settlement, including, but not limited to, displacement, noise, aesthetics, cultural values, recreation, and public services.
- MR7849.5910 (C): effects on land-based economies, including, but not limited to, agriculture, forestry, tourism, and mining.
- MR7849.5910 (D): effects on archaeological and historic resources.
- MR7849.5910 (E): effects on the natural environment, including effects on air and water quality resources and flora and fauna.
- MR7849.5910 (F): effects on rare and unique natural resources.
- Non-Residential Buildings or Structures and Residences were identified during field investigations and using 2006 and 2008 NAIP aerial photographs. Counts were only performed for Route Segments that were carried forward as Potential Route Alternatives or identified thereafter. Segments that did not have counts performed are shaded in grey.
- Churches and cemeteries were identified from the USGS GNIS dataset.
- Land Use and Zoning data was acquired from counties and cities within the Project area. The dataset that these numbers were based on is the compilation of all of these datasets. The land use and zoning categories above may not be the exact same categories used by the original datasets due to the need to create a complete and uniform dataset for the entire Project area.
- County trails data was obtained from Stearns County and Wright County.
- Daycare location data was obtained from the MDHS. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Hospital location data was obtained from the MDPH. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Population Centers were identified using municipality boundary data from the MDNR Data Deli and updated using municipal boundary maps provided by cities within the Project area.
- School location data was obtained from the MDOE. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Aggregate Source location data was obtained from the MnDOT.
- Center Pivot Irrigation Systems were identified using 2006 and 2008 NAIP aerial photographs.
- Cultural Resource data was obtained from the Minnesota SHPO.
- NPS NRHP data was obtained from the NPS.
- BWSR RIM easements were obtained from the Minnesota BWSR.
- These datasets were obtained from the MDNR Data Deli.
- Restorable Wetlands data was obtained from the Restorable Wetlands Working Group.
- USFWS Conservation Easement data was obtained from the USFWS Region 6 Realty Office.
- USFWS NWI Wetlands data was obtained from the USFWS Wetland Mapper website.
- Wooded Areas were identified using the USGS 2001 NLCD.
- State listed T&E species were identified using a dataset licensed from the MDNR for this Project.
- Airports were identified using Airnav.com.
- FCC Antenna Structures data was obtained from the FCC ASR database.
- 100-year Floodplains were identified from FEMA FIRM Digital data.
- Landfills/Dumps were identified from data obtained from the MPCA.
- USDA Conservation Reserve Program data was obtained from the USDA FSA.

		Minnesota Rules Chapter 7849 ³																
		MR 7849.5910 (A) ⁴																
Segment ¹	Segment Area (Acres) ¹	Buildings or Structures, Non-Residential (Count) ⁹	Churches (Count) ¹⁰	Commercial / Business / Institutional / Public Zoning or Land Use (Acres) ¹¹	Commercial / Business / Institutional / Public Zoning or Land Use (% of Segment Area) ¹¹	County Trails (Count) ¹²	Daycare Facilities (Count) ¹³	Hospitals (Count) ¹⁴	Industrial Zoning or Land Use (Acreage) ¹¹	Industrial Zoning or Land Use (% of Segment Area) ¹¹	Population Centers (Acreage) ¹⁵	Population Centers (% of Segment Area) ¹⁵	Recreational / Open Space / Park Zoning or Land Use (Acreage) ¹¹	Recreational / Open Space / Park Zoning or Land Use (% of Segment Area) ¹¹	Residences (Count) ⁹	Residential Zoning or Land Use (Acreage) ¹¹	Residential Zoning or Land Use (% of Segment Area) ¹¹	Schools (Count) ¹⁶
27	93	7	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	0	0.0%	0
28	78	7	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	0	0.0%	0
29	140	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%	0
30	238	0	0	0	0.0%	1	0	0	0	0.0%	0	0.0%	0	0.0%	0	5	2.3%	0
31	49	1	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	0	0.0%	0
31A	53	2	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	0	0.0%	0
32	185	23	0	15	8.3%	1	0	0	0	0.0%	0	0.0%	0	0.0%	18	6	3.5%	0
32A	79	16	0	16	20.7%	1	0	0	0	0.0%	0	0.0%	0	0.0%	14	2	2.1%	0
33	206	32	0	7	3.3%	1	0	0	0	0.0%	0	0.0%	0	0.0%	20	3	1.3%	0
33A	177	31	0	7	3.9%	1	0	0	0	0.0%	0	0.0%	0	0.0%	19	3	1.5%	0
34	135	8	0	0	0.0%	1	0	0	0	0.0%	0	0.0%	0	0.0%	6	0	0.0%	0
35	92	3	0	0	0.0%	1	0	0	0	0.0%	0	0.0%	0	0.0%	1	0	0.0%	0
36	101	6	0	0	0.0%	1	0	0	0	0.0%	0	0.0%	0	0.0%	4	12	11.4%	0
37	125	0	0	12	9.4%	1	0	0	7	5.5%	0	0.0%	0	0.0%	0	37	30.0%	0
38	173	13	0	9	5.0%	1	0	0	9	5.0%	0	0.0%	0	0.0%	5	4	2.3%	0
39	153	16	0	3	1.8%	1	0	0	0	0.0%	0	0.0%	0	0.0%	15	15	9.6%	0
40	167	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	53	31.9%	0
41	79	3	0	0	0.0%	1	0	0	0	0.0%	0	0.0%	0	0.0%	3	7	9.4%	0
42	69	0	0	0	0.0%	1	0	0	0	0.0%	0	0.0%	0	0.0%	0	4	5.7%	0
43	125	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	17	13.9%	0
44	119	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	5	4.3%	0
46	110	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%	0
47	141	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	32	22.9%	0
48	48	1	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	0	0.0%	0
49	48	3	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	5	1	2.5%	0
50	171	16	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	11	27	15.6%	0
51	49	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	23	47.1%	0
52	48	6	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	6	19	39.0%	0
53	64	9	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	4	8	13.3%	0
54	35	5	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	3	9.7%	0
55	135	7	0	1	1.1%	0	0	0	0	0.0%	0	0.0%	0	0.0%	6	17	12.5%	0
56	137	13	0	1	0.9%	0	0	0	0	0.0%	0	0.0%	0	0.0%	6	9	6.6%	0
57	143	12	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	11	4	3.0%	0
58	123	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	12	9.4%	0
59	435	39	0	24	5.6%	0	0	0	19	4.4%	89	20.3%	3	0.6%	18	85	19.6%	0
60	188	0	0	0	0.0%	0	1	0	0	0.0%	0	0.0%	0	0.0%	0	15	7.8%	0
61	54	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%	0
62	26	3	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	0	0.0%	0

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																		
		MR 7849.5910 (C) ⁵						MR 7849.5910 (D) ⁶			MR 7849.5910 (E) ⁷									
		Aggregate Locations (Count) ¹⁷	Agriculture Zoning or Land Use (Acreage) ¹¹	Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Center Pivot Irrigation Systems (Count) ¹⁸	Special Protection Agriculture Zoning or Land Use (Acreage) ¹¹	Special Protection Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Archaeological Sites (Count) ¹⁹	Historical Sites (Count) ¹⁹	NPS National Register of Historic Places (Count) ²⁰	BWSR Re-invest In Minnesota (RIM) Easements (Acreage) ²¹	BWSR Re-invest In Minnesota (RIM) Easements (% of Segment Area) ²¹	Lakes (Acreage) ²²	Lakes (% of Segment Area) ²²	Minnesota County Biological Survey Sites of Biosignificance (Acreage) ²²	Minnesota County Biological Survey Sites of Biosignificance (% of Segment Area) ²²	Minnesota Restorable Wetlands (Acreage) ²³	Minnesota Restorable Wetlands (% of Segment Area) ²³	MDNR Wildlife Management Areas (Acreage) ²²	MDNR Wildlife Management Areas (Acreage) ²²
27	93	0	93	100.0%	0	0	0	0	0	0	0	5	5.8%	0	0.0%	0	0.0%	0	0.0%	
28	78	0	78	100.0%	1	0	0	0	0	0	3	4.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
29	140	0	140	100.0%	0	0	0	0	0	0	8	5.9%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
30	238	0	232	97.7%	0	0	0	0	0	11	4.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
31	49	0	49	100.0%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
31A	53	0	53	100.0%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
32	185	1	163	88.2%	0	0	0	0	0	0	4	2.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
32A	79	0	61	77.2%	0	0	0	0	0	0	1	0.6%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
33	206	0	197	95.4%	1	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
33A	177	0	167	94.6%	1	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
34	135	0	135	100.0%	2	0	0	0	0	0	6	4.4%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
35	92	0	92	100.0%	0	0	0	0	0	0	8	8.2%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
36	101	0	90	88.6%	0	0	0	0	0	0	10	9.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
37	125	0	69	55.2%	0	0	0	0	0	0	0	0	0.3%	0	0.0%	0	0.0%	0	0.0%	
38	173	0	151	87.7%	0	0	0	0	0	0	0	0	0.2%	0	0.0%	0	0.0%	0	0.0%	
39	153	0	135	88.5%	0	0	0	0	0	0	2	1.2%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
40	167	0	114	68.1%	0	0	0	0	0	0	2	1.2%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
41	79	0	72	90.6%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
42	69	0	65	94.3%	0	0	0	0	0	0	0	0	0.2%	0	0.0%	0	0.0%	0	0.0%	
43	125	0	108	86.1%	0	0	0	0	0	0	13	10.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
44	119	0	114	95.7%	0	0	0	0	0	0	3	2.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
46	110	0	111	100.0%	0	0	0	0	0	0	0	0	0.1%	0	0.0%	0	0.0%	0	0.0%	
47	141	0	108	76.7%	0	0	0	0	0	0	0	0	0.2%	0	0.0%	0	0.0%	0	1.0%	
48	48	0	48	100.0%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
49	48	0	47	97.5%	0	0	0	0	0	0	0	0	0.2%	0	0.0%	0	0.0%	0	0.0%	
50	171	0	145	84.4%	0	0	0	0	0	0	1	0.6%	0	0.0%	0	0.0%	2	1.3%	0	0.0%
51	49	0	26	52.9%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
52	48	0	29	61.0%	0	0	0	0	0	0	1	2.8%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
53	64	0	55	86.7%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
54	35	0	32	90.3%	0	0	0	0	0	0	2	4.9%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
55	135	0	117	86.5%	0	0	0	0	0	0	7	4.9%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
56	137	0	127	92.5%	0	0	0	0	0	0	3	2.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
57	143	0	139	97.0%	0	0	0	0	0	0	10	7.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
58	123	0	112	90.6%	0	0	0	0	0	0	3	2.8%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
59	435	0	304	69.8%	0	0	0	0	0	0	3	0.6%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
60	188	0	174	92.2%	0	0	0	0	0	0	3	1.6%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
61	54	0	54	100.0%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
62	26	0	26	100.0%	0	0	0	0	0	0	1	3.9%	0	0.0%	0	0.0%	0	0.0%	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																	
		MR 7849.5910 (E) ⁷												MR7849.5910 (F) ⁸		Other			
		MDNR Scientific and Natural Areas (Acreage) ²²	MDNR Scientific and Natural Areas (% of Segment Area) ²²	State Wild and Scenic River Districts (Acreage) ²²	State Wild and Scenic River Districts (% of Segment Area) ²²	Stream Crossings (Count) ²²	Trout Stream Crossings (Count) ²²	USFWS Conservation Easements (Acreage) ²⁴	USFWS Conservation Easements (% of Segment Area) ²⁴	USFWS National Wetland Inventory (NWI) Wetlands (Acreage) ²⁵	USFWS National Wetland Inventory (NWI) Wetlands (% of Segment Area) ²⁵	Wooded Areas (Acreage) ²⁶	Wooded Areas (% of Segment Area) ²⁶	State Listed Threatened, Endangered or Candidate Species Known Occurrences (Count) ²⁷	Airports (Count) ²⁸	FCC Antenna Structures (Count) ²⁹	Cemeteries (Count) ¹⁰	County Identified Municipal Zoning or Land Use (Acreage) ¹¹	County Identified Municipal Zoning or Land Use (% of Segment Area) ¹¹
27	93	0	0.0%	0	0.0%	0	0	0	0.0%	12	13.2%	20	22.1%	0	0	0	0	0	0.0%
28	78	0	0.0%	0	0.0%	0	0	0	0.0%	4	5.3%	8	10.3%	0	0	0	0	0	0.0%
29	140	0	0.0%	0	0.0%	0	0	0	0.0%	21	14.7%	40	28.5%	0	0	1	0	0	0.0%
30	238	0	0.0%	0	0.0%	1	0	0	0.0%	22	9.2%	82	34.6%	0	0	0	0	0	0.0%
31	49	0	0.0%	0	0.0%	0	0	0	0.0%	1	2.7%	1	3.0%	0	0	0	0	0	0.0%
31A	53	0	0.0%	0	0.0%	0	0	0	0.0%	1	2.5%		0.0%	0	0	0	0	0	0.0%
32	185	0	0.0%	0	0.0%	1	0	0	0.0%	20	11.0%	9	4.9%	0	0	0	0	0	0.0%
32A	79	0	0.0%	0	0.0%	0	0	0	0.0%	4	4.9%	2	2.6%	0	0	0	0	0	0.0%
33	206	0	0.0%	0	0.0%	1	0	0	0.0%	12	5.9%	13	6.4%	0	0	0	0	0	0.0%
33A	177	0	0.0%	0	0.0%	1	0	0	0.0%	12	6.8%	11	6.2%	0	0	0	0	0	0.0%
34	135	0	0.0%	0	0.0%	1	0	0	0.0%	14	10.8%	5	3.4%	0	0	0	0	0	0.0%
35	92	0	0.0%	0	0.0%	1	0	0	0.0%	11	12.1%	19	20.2%	0	0	0	0	0	0.0%
36	101	0	0.0%	0	0.0%	0	0	0	0.0%	26	25.8%	26	25.7%	0	0	0	0	0	0.0%
37	125	0	0.0%	0	0.0%	0	0	0	0.0%	25	19.9%	11	8.7%	0	0	0	0	0	0.0%
38	173	0	0.0%	0	0.0%	1	0	0	0.0%	11	6.4%	6	3.6%	0	0	0	1	0	0.0%
39	153	0	0.0%	0	0.0%	1	0	0	0.0%	27	17.8%	15	9.9%	0	0	0	0	0	0.0%
40	167	0	0.0%	0	0.0%	1	0	0	0.0%	9	5.3%	76	45.6%	0	0	0	0	0	0.0%
41	79	0	0.0%	0	0.0%	0	0	0	0.0%	13	16.0%	18	22.3%	0	0	0	0	0	0.0%
42	69	0	0.0%	0	0.0%	1	0	0	0.0%	0	0.2%	18	26.4%	0	0	0	0	0	0.0%
43	125	0	0.0%	0	0.0%	0	0	0	0.0%	15	12.1%	4	3.0%	0	0	0	0	0	0.0%
44	119	0	0.0%	0	0.0%	0	0	0	0.0%	28	23.8%	21	18.1%	0	0	0	0	0	0.0%
46	110	0	0.0%	0	0.0%	0	0	0	0.0%	39	35.0%	46	42.0%	0	0	0	0	0	0.0%
47	141	0	0.0%	0	0.0%	0	0	0	0.0%	16	11.3%	23	16.3%	0	0	0	0	0	0.0%
48	48	0	0.0%	0	0.0%	0	0	0	0.0%	5	11.0%	22	46.3%	0	0	0	0	0	0.0%
49	48	0	0.0%	0	0.0%	0	0	0	0.0%	7	15.2%	16	33.0%	0	0	0	0	0	0.0%
50	171	0	0.0%	0	0.0%	0	0	0	0.0%	14	8.2%	40	23.3%	0	0	0	0	0	0.0%
51	49	0	0.0%	0	0.0%	0	0	0	0.0%	4	8.2%	14	29.6%	0	0	0	0	0	0.0%
52	48	0	0.0%	0	0.0%	0	0	0	0.0%	4	8.6%	20	40.9%	0	0	0	0	0	0.0%
53	64	0	0.0%	0	0.0%	0	0	0	0.0%	2	3.1%	7	11.3%	0	0	0	0	0	0.0%
54	35	0	0.0%	0	0.0%	0	0	0	0.0%	2	4.9%	1	2.4%	0	0	0	0	0	0.0%
55	135	0	0.0%	0	0.0%	0	0	0	0.0%	7	5.0%	34	24.9%	0	0	0	0	0	0.0%
56	137	0	0.0%	0	0.0%	0	0	0	0.0%	5	3.6%	19	13.7%	0	0	0	0	0	0.0%
57	143	0	0.0%	0	0.0%	0	0	0	0.0%	21	14.4%	80	56.0%	0	0	0	0	0	0.0%
58	123	0	0.0%	0	0.0%	1	0	0	0.0%	12	9.8%	36	29.5%	0	0	0	0	0	0.0%
59	435	0	0.0%	3	0.8%	1	0	0	0.0%	10	2.4%	30	7.0%	0	0	1	0	0	0.0%
60	188	0	0.0%	0	0.0%	1	0	0	0.0%	20	10.6%	54	28.8%	0	0	0	0	0	0.0%
61	54	0	0.0%	0	0.0%	1	0	0	0.0%	9	16.0%	9	16.5%	0	0	0	0	0	0.0%
62	26	0	0.0%	0	0.0%	0	0	0	0.0%	1	5.3%	11	42.0%	0	0	0	0	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Other				
		Floodplain (Acreage) ³⁰	Floodplain (% of Segment Area) ³⁰	Landfills / Dumps (Count) ³¹	USDA Conservation Reserve Program (CRP) Land (Acreage) ³²	USDA Conservation Reserve Program (CRP) Land (% of Segment Area) ³²
27	93	0	0.0%	0	0	0.0%
28	78	0	0.0%	0	0	0.0%
29	140	0	0.0%	0	4	2.7%
30	238	0	0.0%	0	20	8.3%
31	49	0	0.0%	0	0	0.0%
31A	53	0	0.0%	0	0	0.0%
32	185	0	0.0%	0	0	0.0%
32A	79	0	0.0%	0	0	0.0%
33	206	0	0.0%	0	1	0.3%
33A	177	0	0.0%	0	1	0.4%
34	135	0	0.0%	0	0	0.0%
35	92	0	0.0%	0	5	5.9%
36	101	0	0.0%	0	3	3.4%
37	125	0	0.0%	0	25	20.2%
38	173	0	0.0%	0	6	3.7%
39	153	0	0.0%	0	1	0.8%
40	167	0	0.0%	0	9	5.7%
41	79	0	0.0%	0	14	17.6%
42	69	0	0.0%	0	0	0.0%
43	125	0	0.0%	0	0	0.0%
44	119	0	0.0%	0	4	3.6%
46	110	0	0.0%	0	2	2.0%
47	141	0	0.0%	0	1	0.9%
48	48	0	0.0%	0	0	0.0%
49	48	0	0.0%	0	0	0.0%
50	171	0	0.0%	0	0	0.0%
51	49	0	0.0%	0	10	21.0%
52	48	0	0.0%	0	1	1.7%
53	64	0	0.0%	0	8	12.8%
54	35	0	0.0%	0	0	0.0%
55	135	0	0.0%	0	1	0.4%
56	137	0	0.0%	0	13	9.4%
57	143	0	0.0%	0	3	1.8%
58	123	0	0.0%	0	20	16.0%
59	435	0	0.0%	0	28	6.5%
60	188	0	0.0%	0	29	15.4%
61	54	0	0.0%	0	8	14.0%
62	26	0	0.0%	0	0	0.0%

Assumptions / Data Sources:

- Route Segments are generally 1,000 feet wide (500 feet each side of the opportunity paralleled). For divided lane highways, 500 feet from the middle of the two lanes each direction traveled.
- This table only includes the sensitivities or impacts that occur along at least one of the Route Segments.
- Minnesota Rules Chapter 7849 list the factors that should be considered for transmission line siting.
- MR7849.5910 (A): effects on human settlement, including, but not limited to, displacement, noise, aesthetics, cultural values, recreation, and public services.
- MR7849.5910 (C): effects on land-based economies, including, but not limited to, agriculture, forestry, tourism, and mining.
- MR7849.5910 (D): effects on archaeological and historic resources.
- MR7849.5910 (E): effects on the natural environment, including effects on air and water quality resources and flora and fauna.
- MR7849.5910 (F): effects on rare and unique natural resources.
- Non-Residential Buildings or Structures and Residences were identified during field investigations and using 2006 and 2008 NAIP aerial photographs. Counts were only performed for Route Segments that were carried forward as Potential Route Alternatives or identified thereafter. Segments that did not have counts performed are shaded in grey.
- Churches and cemeteries were identified from the USGS GNIS dataset.
- Land Use and Zoning data was acquired from counties and cities within the Project area. The dataset that these numbers were based on is the compilation of all of these datasets. The land use and zoning categories above may not be the exact same categories used by the original datasets due to the need to create a complete and uniform dataset for the entire Project area.
- County trails data was obtained from Stearns County and Wright County.
- Daycare location data was obtained from the MDHS. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Hospital location data was obtained from the MDPH. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Population Centers were identified using municipality boundary data from the MDNR Data Deli and updated using municipal boundary maps provided by cities within the Project area.
- School location data was obtained from the MDOE. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Aggregate Source location data was obtained from the MnDOT.
- Center Pivot Irrigation Systems were identified using 2006 and 2008 NAIP aerial photographs.
- Cultural Resource data was obtained from the Minnesota SHPO.
- NPS NRHP data was obtained from the NPS.
- BWSR RIM easements were obtained from the Minnesota BWSR.
- These datasets were obtained from the MDNR Data Deli.
- Restorable Wetlands data was obtained from the Restorable Wetlands Working Group.
- USFWS Conservation Easement data was obtained from the USFWS Region 6 Realty Office.
- USFWS NWI Wetlands data was obtained from the USFWS Wetland Mapper website.
- Wooded Areas were identified using the USGS 2001 NLCD.
- State listed T&E species were identified using a dataset licensed from the MDNR for this Project.
- Airports were identified using Airnav.com.
- FCC Antenna Structures data was obtained from the FCC ASR database.
- 100-year Floodplains were identified from FEMA FIRM Digital data.
- Landfills/Dumps were identified from data obtained from the MPCA.
- USDA Conservation Reserve Program data was obtained from the USDA FSA.

		Minnesota Rules Chapter 7849 ³																
		MR 7849.5910 (A) ⁴																
Segment ¹	Segment Area (Acres) ¹	Buildings or Structures, Non-Residential (Count) ⁹	Churches (Count) ¹⁰	Commercial / Business / Institutional / Public Zoning or Land Use (Acres) ¹¹	Commercial / Business / Institutional / Public Zoning or Land Use (% of Segment Area) ¹¹	County Trails (Count) ¹²	Daycare Facilities (Count) ¹³	Hospitals (Count) ¹⁴	Industrial Zoning or Land Use (Acreage) ¹¹	Industrial Zoning or Land Use (% of Segment Area) ¹¹	Population Centers (Acreage) ¹⁵	Population Centers (% of Segment Area) ¹⁵	Recreational / Open Space / Park Zoning or Land Use (Acreage) ¹¹	Recreational / Open Space / Park Zoning or Land Use (% of Segment Area) ¹¹	Residences (Count) ⁹	Residential Zoning or Land Use (Acreage) ¹¹	Residential Zoning or Land Use (% of Segment Area) ¹¹	Schools (Count) ¹⁶
63	267		0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%		13	5.0%	0
64	101	10	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	6	0	0.0%	0
65	142	15	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	12	0	0.0%	0
66	287	48	0	16	5.6%	0	0	0	12	4.3%	62	21.7%	0	0.0%	12	62	21.5%	0
66A	179	30	0	3	1.4%	0	0	0	7	3.7%	0	0.0%	0	0.0%	12	12	6.6%	0
66B	80	19	0	16	20.2%	0	0	0	12	15.3%	25	31.4%	0	0.0%	1	23	28.8%	0
66C	64	4	0	0	0.0%	0	0	0	0	0.0%	55	85.8%	0	0.0%	0	45	69.1%	0
67	201		0	0	0.0%	0	0	0	0	0.0%	34	16.8%	0	0.0%		50	24.7%	0
68	45	1	1	0	0.0%	0	0	0	0	0.0%	9	19.6%	0	0.0%	1	8	18.0%	0
69	80	6	1	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	0	0.0%	0
70	140	2	0	0	0.0%	0	2	0	0	0.0%	0	0.0%	0	0.0%	1	28	20.2%	0
71	39		0	0	0.0%	0	1	0	0	0.0%	0	0.0%	0	0.0%		12	30.9%	0
72	258		1	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%		8	2.9%	0
73	108	12	1	0	0.0%	0	1	0	0	0.0%	0	0.0%	0	0.0%	11	28	26.2%	0
74	200	5	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	12	54	27.2%	0
75	199		0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%		148	74.3%	0
76	176	13	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	6	3.5%	17	58	33.1%	0
77	59	6	0	1	0.9%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	0	0.0%	0
78	32	3	0	1	1.9%	0	0	0	0	0.0%	0	0.4%	0	0.0%	1	0	0.4%	0
79	57	4	0	1	1.0%	0	0	0	3	5.7%	5	9.2%	0	0.0%	0	11	19.7%	0
80	279	29	0	1	0.3%	3	0	0	74	26.4%	0	0.0%	0	0.0%	19	23	8.1%	0
81	99	8	0	0	0.0%	0	0	0	2	2.3%	0	0.0%	1	1.5%	1	2	2.2%	0
82	131		0	0	0.0%	0	0	0	0	0.0%	0	0.0%	9	6.6%		0	0.0%	0
83	110	4	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	14	12.6%	2	0	0.0%	0
84	33	3	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	1	4.1%	1	0	0.0%	0
85	57	3	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	1	2.4%	0	0	0.0%	0
86	266	8	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	0	0.0%	0
87	183	32	0	0	0.0%	4	0	0	35	19.1%	0	0.0%	7	3.7%	0	3	1.8%	0
88	49	2	0	0	0.0%	3	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%	0
89	149	12	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	0	0.0%	0
90	69	3	0	0	0.0%	1	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%	0
91	114	7	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	0	0.0%	0
92	50	5	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	0	0.0%	0
93	40	4	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	0	0.0%	0
94	79	5	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	0	0.0%	0
95	76	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	0	0.0%	0
96	90	16	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	4	0	0.0%	0
97	215	13	0	0	0.0%	0	0	0	0	0.0%	5	2.1%	3	1.2%	13	0	0.0%	0

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																		
		MR 7849.5910 (C) ⁵						MR 7849.5910 (D) ⁶			MR 7849.5910 (E) ⁷									
		Aggregate Locations (Count) ¹⁷	Agriculture Zoning or Land Use (Acreage) ¹¹	Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Center Pivot Irrigation Systems (Count) ¹⁸	Special Protection Agriculture Zoning or Land Use (Acreage) ¹¹	Special Protection Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Archaeological Sites (Count) ¹⁹	Historical Sites (Count) ¹⁹	NPS National Register of Historic Places (Count) ²⁰	BWSR Re-invest In Minnesota (RIM) Easements (Acreage) ²¹	BWSR Re-invest In Minnesota (RIM) Easements (% of Segment Area) ²¹	Lakes (Acreage) ²²	Lakes (% of Segment Area) ²²	Minnesota County Biological Survey Sites of Biosignificance (Acreage) ²²	Minnesota County Biological Survey Sites of Biosignificance (% of Segment Area) ²²	Minnesota Restorable Wetlands (Acreage) ²³	Minnesota Restorable Wetlands (% of Segment Area) ²³	MDNR Wildlife Management Areas (Acreage) ²²	MDNR Wildlife Management Areas (Acreage) ²²
63	267	0	254	95.0%	0	0	0.0%	0	0	0	0	0.0%	6	2.4%	0	0.0%	0	0.0%	0	0.0%
64	101	0	101	100.0%	0	0	0.0%	0	0	0	0	0.0%	3	3.4%	0	0.0%	0	0.0%	0	0.0%
65	142	0	142	100.0%	0	0	0.0%	0	0	0	0	0.0%	3	2.1%	0	0.0%	0	0.0%	0	0.0%
66	287	0	193	67.4%	0	0	0.0%	0	5	0	0	0.0%	5	1.7%	2	0.7%	0	0.0%	0	0.0%
66A	179	0	158	88.3%	0	0	0.0%	0	5	0	0	0.0%	5	2.7%	0	0.0%	0	0.0%	0	0.0%
66B	80	0	29	35.7%	0	0	0.0%	0	0	0	0	0.0%	0	0.2%	0	0.0%	0	0.0%	0	0.0%
66C	64	0	17	25.6%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
67	201	0	145	72.4%	2	0	0.0%	0	0	0	0	0.0%	0	0.0%	2	0.9%	0	0.0%	0	0.0%
68	45	0	37	82.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	2	4.2%	0	0.0%	0	0.0%
69	80	0	80	100.0%	2	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
70	140	0	111	79.6%	2	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
71	39	0	27	69.1%	0	0	0.0%	0	0	0	0	0.0%	0	0.4%	0	0.0%	0	0.0%	0	0.0%
72	258	0	250	97.1%	2	0	0.0%	0	0	0	0	0.0%	0	0.1%	0	0.0%	0	0.0%	0	0.0%
73	108	0	79	73.8%	1	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	0.7%	0	0.0%
74	200	0	145	72.8%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	65	32.4%	0	0.0%
75	199	0	51	25.7%	0	0	0.0%	0	0	0	0	0.0%	8	3.9%	0	0.0%	25	12.4%	0	0.0%
76	176	0	112	63.4%	0	0	0.0%	1	0	0	0	0.0%	5	3.1%	0	0.0%	1	0.8%	0	0.0%
77	59	0	59	99.1%	0	0	0.0%	0	1	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
78	32	0	31	97.7%	0	0	0.0%	0	1	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
79	57	0	42	73.6%	0	0	0.0%	1	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.1%	0	0.0%
80	279	0	182	65.1%	3	0	0.0%	1	2	0	0	0.0%	0	0.0%	0	0.0%	5	1.6%	0	0.0%
81	99	0	93	94.1%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	4	4.2%	1	1.1%	0	0.0%
82	131	0	123	93.4%	0	0	0.0%	0	0	0	0	0.0%	1	0.5%	7	5.3%	0	0.1%	0	0.0%
83	110	0	96	87.4%	0	0	0.0%	0	0	0	0	0.0%	7	6.3%	3	2.3%	0	0.2%	0	0.0%
84	33	0	32	95.9%	0	0	0.0%	0	0	0	0	0.0%	2	5.6%	0	0.0%	0	0.0%	0	0.0%
85	57	0	56	97.6%	0	0	0.0%	0	0	0	0	0.0%	2	3.2%	0	0.0%	0	0.1%	0	0.0%
86	266	0	266	100.0%	0	0	0.0%	0	0	0	0	0.0%	1	0.2%	0	0.0%	3	1.0%	0	0.0%
87	183	0	138	75.5%	1	0	0.0%	1	0	0	0	0.0%	6	3.4%	0	0.0%	1	0.4%	0	0.0%
88	49	0	49	100.0%	0	0	0.0%	1	0	0	0	0.0%	0	0.0%	0	0.0%	1	1.4%	0	0.0%
89	149	0	149	100.0%	0	0	0.0%	0	3	0	0	0.0%	0	0.1%	0	0.0%	3	2.3%	0	0.0%
90	69	0	69	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	1.0%	0	0.0%
91	114	0	114	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	1.5%	0	0.0%
92	50	0	50	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	1.1%	0	0.0%
93	40	0	40	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.5%	0	0.0%
94	79	0	79	100.0%	0	0	0.0%	0	1	0	0	0.0%	0	0.0%	0	0.0%	1	1.2%	0	0.0%
95	76	0	76	100.0%	0	0	0.0%	0	1	0	0	0.0%	0	0.0%	0	0.0%	1	1.6%	0	0.0%
96	90	0	90	100.0%	0	0	0.0%	0	3	0	0	0.0%	0	0.1%	0	0.0%	2	2.3%	0	0.0%
97	215	0	213	98.8%	0	0	0.0%	0	0	0	0	0.0%	3	1.2%	0	0.0%	6	2.6%	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																
		MR 7849.5910 (E) ⁷												MR7849.5910 (F) ⁸		Other		
		MDNR Scientific and Natural Areas (Acreage) ²²	MDNR Scientific and Natural Areas (% of Segment Area) ²²	State Wild and Scenic River Districts (Acreage) ²²	State Wild and Scenic River Districts (% of Segment Area) ²²	Stream Crossings (Count) ²²	Trout Stream Crossings (Count) ²²	USFWS Conservation Easements (Acreage) ²⁴	USFWS Conservation Easements (% of Segment Area) ²⁴	USFWS National Wetland Inventory (NWI) Wetlands (Acreage) ²⁵	USFWS National Wetland Inventory (NWI) Wetlands (% of Segment Area) ²⁵	Wooded Areas (Acreage) ²⁶	Wooded Areas (% of Segment Area) ²⁶	State Listed Threatened, Endangered or Candidate Species Known Occurrences (Count) ²⁷	Airports (Count) ²⁸	FCC Antenna Structures (Count) ²⁹	Cemeteries (Count) ¹⁰	County Identified Municipal Zoning or Land Use (Acreage) ¹¹
63	267	0	0.0%	0	0.0%	1	0	0	0.0%	26	9.8%	103	38.4%	0	0	0	0	0.0%
64	101	0	0.0%	0	0.0%	1	0	0	0.0%	19	18.4%	30	29.1%	0	0	0	0	0.0%
65	142	0	0.0%	0	0.0%	0	0	0	0.0%	15	10.2%	38	26.5%	0	0	0	0	0.0%
66	287	0	0.0%	0	0.0%	0	0	0	0.0%	9	3.2%	26	9.1%	1	0	1	1	0.0%
66A	179	0	0.0%	0	0.0%	0	0	0	0.0%	9	5.1%	25	13.9%	0	0	0	0	0.0%
66B	80	0	0.0%	0	0.0%	0	0	0	0.0%	1	1.0%	2	2.4%	0	0	1	0	0.0%
66C	64	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	1	0	0	1	0.0%
67	201	0	0.0%	0	0.0%	0	0	0	0.0%	1	0.3%	8	4.0%	1	0	0	1	0.0%
68	45	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	1	0	0	1	0.0%
69	80	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0.0%
70	140	0	0.0%	0	0.0%	0	0	0	0.0%	5	3.7%	7	5.1%	0	0	0	0	0.0%
71	39	0	0.0%	0	0.0%	0	0	0	0.0%	6	16.5%	13	32.5%	0	0	0	0	0.0%
72	258	0	0.0%	0	0.0%	2	0	0	0.0%	45	17.5%	51	19.8%	0	0	0	0	0.0%
73	108	0	0.0%	0	0.0%	2	0	0	0.0%	36	33.2%	39	36.6%	1	0	0	0	0.0%
74	200	0	0.0%	0	0.0%	2	0	0	0.0%	63	31.6%	47	23.7%	0	0	0	0	0.0%
75	199	0	0.0%	0	0.0%	0	0	0	0.0%	42	21.0%	71	35.6%	0	0	0	0	0.0%
76	176	0	0.0%	0	0.0%	1	0	0	0.0%	12	6.8%	36	20.5%	0	0	0	0	0.0%
77	59	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	3	5.4%	0	0	0	1	0.0%
78	32	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	2	7.5%	0	0	0	1	0.0%
79	57	0	0.0%	0	0.0%	1	0	0	0.0%	1	2.3%	13	22.4%	0	0	1	0	0.0%
80	279	0	0.0%	0	0.0%	2	0	0	0.0%	9	3.2%	68	24.2%	0	1	0	1	0.0%
81	99	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.1%	8	7.7%	0	0	2	0	0.0%
82	131	0	0.0%	0	0.0%	0	0	0	0.0%	13	9.5%	21	15.6%	1	0	0	1	0.0%
83	110	0	0.0%	0	0.0%	0	0	0	0.0%	9	8.2%	8	7.1%	0	0	0	1	0.0%
84	33	0	0.0%	0	0.0%	0	0	0	0.0%	6	18.2%	3	8.3%	0	0	0	0	0.0%
85	57	0	0.0%	0	0.0%	0	0	0	0.0%	3	5.7%	2	3.7%	0	0	0	0	0.0%
86	266	0	0.0%	0	0.0%	1	0	0	0.0%	26	9.9%	22	8.2%	0	0	0	0	0.0%
87	183	0	0.0%	0	0.0%	0	0	0	0.0%	7	4.1%	34	18.7%	0	0	1	0	0.0%
88	49	0	0.0%	0	0.0%	1	0	0	0.0%	0	0.0%	6	12.4%	0	0	0	0	0.0%
89	149	0	0.0%	0	0.0%	1	0	0	0.0%	0	0.1%	7	4.5%	0	0	0	0	0.0%
90	69	0	0.0%	0	0.0%	1	0	0	0.0%	0	0.0%	0	0.6%	0	0	0	0	0.0%
91	114	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	12	10.2%	0	0	0	0	0.0%
92	50	0	0.0%	0	0.0%	0	0	0	0.0%	1	2.2%	3	5.3%	0	0	0	0	0.0%
93	40	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	9	23.0%	0	0	0	0	0.0%
94	79	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0.0%
95	76	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	7	9.2%	0	0	0	0	0.0%
96	90	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.1%	2	1.9%	0	0	0	0	0.0%
97	215	0	0.0%	0	0.0%	1	0	0	0.0%	28	12.8%	29	13.5%	1	0	0	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Other				
		Floodplain (Acreage) ³⁰	Floodplain (% of Segment Area) ³⁰	Landfills / Dumps (Count) ³¹	USDA Conservation Reserve Program (CRP) Land (Acreage) ³²	USDA Conservation Reserve Program (CRP) Land (% of Segment Area) ³²
63	267	0	0.0%	0	0	0.0%
64	101	0	0.0%	0	0	0.0%
65	142	0	0.0%	0	11	8.1%
66	287	0	0.0%	0	27	9.6%
66A	179	0	0.0%	0	21	11.8%
66B	80	0	0.0%	0	0	0.0%
66C	64	0	0.0%	0	16	25.4%
67	201	0	0.0%	0	4	2.0%
68	45	0	0.0%	0	4	8.9%
69	80	0	0.0%	0	0	0.0%
70	140	0	0.0%	0	0	0.0%
71	39	0	0.0%	0	0	0.0%
72	258	0	0.0%	0	3	1.0%
73	108	26	24.1%	0	0	0.0%
74	200	7	3.6%	0	0	0.0%
75	199	7	3.5%	0	0	0.0%
76	176	0	0.0%	0	0	0.0%
77	59	0	0.0%	0	0	0.0%
78	32	0	0.0%	0	0	0.0%
79	57	10	17.7%	0	0	0.0%
80	279	7	2.6%	0	0	0.0%
81	99	2	1.9%	1	0	0.0%
82	131	0	0.0%	0	16	12.5%
83	110	0	0.0%	0	0	0.0%
84	33	0	0.0%	0	1	4.3%
85	57	0	0.0%	0	0	0.0%
86	266	0	0.0%	0	1	0.5%
87	183	2	0.9%	0	0	0.0%
88	49	0	0.0%	0	0	0.0%
89	149	0	0.0%	0	0	0.0%
90	69	0	0.0%	0	0	0.0%
91	114	0	0.0%	1	0	0.0%
92	50	0	0.0%	0	0	0.0%
93	40	0	0.0%	0	0	0.0%
94	79	0	0.0%	0	0	0.0%
95	76	0	0.0%	0	0	0.0%
96	90	0	0.0%	0	0	0.0%
97	215	0	0.0%	0	19	8.9%

Assumptions / Data Sources:

- Route Segments are generally 1,000 feet wide (500 feet each side of the opportunity paralleled). For divided lane highways, 500 feet from the middle of the two lanes each direction traveled.
- This table only includes the sensitivities or impacts that occur along at least one of the Route Segments.
- Minnesota Rules Chapter 7849 list the factors that should be considered for transmission line siting.
- MR7849.5910 (A): effects on human settlement, including, but not limited to, displacement, noise, aesthetics, cultural values, recreation, and public services.
- MR7849.5910 (C): effects on land-based economies, including, but not limited to, agriculture, forestry, tourism, and mining.
- MR7849.5910 (D): effects on archaeological and historic resources.
- MR7849.5910 (E): effects on the natural environment, including effects on air and water quality resources and flora and fauna.
- MR7849.5910 (F): effects on rare and unique natural resources.
- Non-Residential Buildings or Structures and Residences were identified during field investigations and using 2006 and 2008 NAIP aerial photographs. Counts were only performed for Route Segments that were carried forward as Potential Route Alternatives or identified thereafter. Segments that did not have counts performed are shaded in grey.
- Churches and cemeteries were identified from the USGS GNIS dataset.
- Land Use and Zoning data was acquired from counties and cities within the Project area. The dataset that these numbers were based on is the compilation of all of these datasets. The land use and zoning categories above may not be the exact same categories used by the original datasets due to the need to create a complete and uniform dataset for the entire Project area.
- County trails data was obtained from Stearns County and Wright County.
- Daycare location data was obtained from the MDHS. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Hospital location data was obtained from the MDPH. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Population Centers were identified using municipality boundary data from the MDNR Data Deli and updated using municipal boundary maps provided by cities within the Project area.
- School location data was obtained from the MDOE. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Aggregate Source location data was obtained from the MnDOT.
- Center Pivot Irrigation Systems were identified using 2006 and 2008 NAIP aerial photographs.
- Cultural Resource data was obtained from the Minnesota SHPO.
- NPS NRHP data was obtained from the NPS.
- BWSR RIM easements were obtained from the Minnesota BWSR.
- These datasets were obtained from the MDNR Data Deli.
- Restorable Wetlands data was obtained from the Restorable Wetlands Working Group.
- USFWS Conservation Easement data was obtained from the USFWS Region 6 Realty Office.
- USFWS NWI Wetlands data was obtained from the USFWS Wetland Mapper website.
- Wooded Areas were identified using the USGS 2001 NLCD.
- State listed T&E species were identified using a dataset licensed from the MDNR for this Project.
- Airports were identified using Airnav.com.
- FCC Antenna Structures data was obtained from the FCC ASR database.
- 100-year Floodplains were identified from FEMA FIRM Digital data.
- Landfills/Dumps were identified from data obtained from the MPCA.
- USDA Conservation Reserve Program data was obtained from the USDA FSA.

		Minnesota Rules Chapter 7849 ³																
		MR 7849.5910 (A) ⁴																
Segment ¹	Segment Area (Acres) ¹	Buildings or Structures, Non-Residential (Count) ⁹	Churches (Count) ¹⁰	Commercial / Business / Institutional / Public Zoning or Land Use (Acres) ¹¹	Commercial / Business / Institutional / Public Zoning or Land Use (% of Segment Area) ¹¹	County Trails (Count) ¹²	Daycare Facilities (Count) ¹³	Hospitals (Count) ¹⁴	Industrial Zoning or Land Use (Acreage) ¹¹	Industrial Zoning or Land Use (% of Segment Area) ¹¹	Population Centers (Acreage) ¹⁵	Population Centers (% of Segment Area) ¹⁵	Recreational / Open Space / Park Zoning or Land Use (Acreage) ¹¹	Recreational / Open Space / Park Zoning or Land Use (% of Segment Area) ¹¹	Residences (Count) ⁹	Residential Zoning or Land Use (Acreage) ¹¹	Residential Zoning or Land Use (% of Segment Area) ¹¹	Schools (Count) ¹⁶
98	199	1	0	0	0.0%	0	0	0	0	0.0%	104	51.9%	0	0.0%	1	0	0.0%	0
99	150	0	0	0	0.0%	0	0	0	0	0.0%	10	6.6%	0	0.0%	3	0	0.0%	0
100	108	13	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	7	0	0.0%	0
101	317	6	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	14	0	0.0%	0
102	78	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	4	0	0.0%	0
103	241	1	0	0	0.0%	0	0	0	46	19.3%	123	51.2%	0	0.0%	0	19	7.7%	0
104	81	8	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	7	0	0.0%	0
105	42	2	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	4	0	0.0%	0
106	152	2	0	0	0.0%	0	0	0	0	0.0%	74	48.5%	0	0.0%	1	0	0.0%	0
107	79	7	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	0	0.0%	0
108	155	5	0	0	0.0%	0	0	0	2	1.1%	44	28.2%	0	0.0%	1	2	1.6%	0
109	178	2	0	0	0.0%	0	0	0	4	2.2%	58	32.3%	0	0.0%	1	19	10.4%	0
110	63	1	0	0	0.0%	0	0	0	11	17.8%	63	100.0%	0	0.0%	0	1	1.2%	0
110A	51	1	0	0	0.0%	0	0	0	6	11.0%	51	100.0%	0	0.0%	0	1	1.6%	0
110B	33	0	0	0	0.0%	0	0	0	6	17.2%	33	100.0%	0	0.0%	0	0	0.0%	0
111	105	4	0	0	0.0%	0	0	0	0	0.0%	46	43.4%	0	0.0%	3	0	0.0%	0
112	64	11	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	0	0.0%	0
113	141		0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%		73	51.8%	0
114	159	17	0	1	0.9%	0	0	0	0	0.0%	129	81.1%	0	0.0%	13	13	8.0%	0
115	77	2	0	0	0.0%	0	0	0	26	33.8%	77	100.0%	0	0.0%	1	4	4.9%	0
116	164	6	0	1	0.9%	0	0	0	2	1.1%	164	99.9%	0	0.0%	27	41	24.7%	0
116A	191	4	0	4	2.3%	0	0	0	0	0.0%	191	99.9%	0	0.0%	16	11	5.8%	0
117	40	9	0	7	18.2%	0	0	0	0	0.0%	40	100.0%	0	0.0%	11	9	21.6%	0
118	30	4	0	2	5.5%	0	0	0	0	0.0%	30	100.0%	0	0.0%	8	20	66.3%	0
119	38	7	0	5	14.0%	0	0	0	0	0.0%	38	100.0%	0	0.0%	11	21	55.0%	0
120	26	6	0	6	23.8%	0	0	0	0	0.0%	26	100.0%	0	0.0%	6	3	10.2%	0
121	25	5	0	4	17.0%	0	0	0	0	0.0%	25	100.0%	0	0.0%	7	3	13.3%	0
122	229		0	1	0.6%	0	0	0	0	0.0%	229	100.0%	0	0.0%		13	5.8%	0
123	173	8	0	4	2.5%	0	1	0	0	0.0%	173	100.0%	0	0.0%	10	8	4.4%	0
124	162		0	51	31.4%	0	1	0	2	1.1%	162	100.0%	0	0.0%		33	20.6%	1
125	248	14	0	20	7.9%	0	0	0	36	14.3%	248	100.0%	0	0.0%	2	27	10.9%	0
125A	165	10	0	20	11.8%	0	0	0	23	13.8%	165	99.9%	0	0.0%	0	0	0.2%	0
126	145	17	1	29	20.2%	0	1	0	10	6.7%	145	100.0%	0	0.0%	47	40	27.5%	1
126A	69	7	1	13	18.8%	0	0	0	2	2.6%	69	100.0%	0	0.0%	34	22	31.6%	1
126B	99	16	0	16	16.6%	0	1	0	8	8.0%	99	100.0%	0	0.0%	29	25	25.0%	0
127	78		0	2	3.1%	0	0	0	14	18.3%	78	100.0%	0	0.0%		37	47.6%	1
128	48	1	0	4	7.5%	0	1	0	2	4.1%	48	100.0%	0	0.0%	18	23	48.0%	1
129	138		0	0	0.0%	0	0	0	0	0.0%	138	100.0%	0	0.0%		0	0.0%	0

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																			
		MR 7849.5910 (C) ⁵						MR 7849.5910 (D) ⁶			MR 7849.5910 (E) ⁷										
		Aggregate Locations (Count) ¹⁷	Agriculture Zoning or Land Use (Acreage) ¹¹	Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Center Pivot Irrigation Systems (Count) ¹⁸	Special Protection Agriculture Zoning or Land Use (Acreage) ¹¹	Special Protection Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Archaeological Sites (Count) ¹⁹	Historical Sites (Count) ¹⁹	NPS National Register of Historic Places (Count) ²⁰	BWSR Re-invest In Minnesota (RIM) Easements (Acreage) ²¹	BWSR Re-invest In Minnesota (RIM) Easements (% of Segment Area) ²¹	Lakes (Acreage) ²²	Lakes (% of Segment Area) ²²	Minnesota County Biological Survey Sites of Biosignificance (Acreage) ²²	Minnesota County Biological Survey Sites of Biosignificance (% of Segment Area) ²²	Minnesota Restorable Wetlands (Acreage) ²³	Minnesota Restorable Wetlands (% of Segment Area) ²³	MDNR Wildlife Management Areas (Acreage) ²²	MDNR Wildlife Management Areas (Acreage) ²²	
98	199	0	199	100.0%	0	0	0	0	0	0	0	0	0.0%	1	0.3%	0	0.0%	8	4.1%	0	0.0%
99	150	0	150	100.0%	0	0	0	0	2	0	0	0	0.0%	3	1.7%	0	0.0%	3	2.3%	0	0.0%
100	108	0	108	100.0%	0	0	0	0	5	0	0	0	0.0%	0	0.0%	0	0.0%	2	2.2%	0	0.0%
101	317	0	317	100.0%	0	0	0	0	2	0	0	0	0.0%	0	0.0%	0	0.0%	2	0.7%	0	0.0%
102	78	0	78	100.0%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	1.0%	0	0.0%
103	241	0	176	73.0%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	1.1%	0	0.0%
104	81	0	81	100.0%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	4.1%	0	0.0%
105	42	0	42	100.0%	0	0	0	0	0	2	0	0	0.0%	0	0.0%	0	0.0%	1	2.2%	0	0.0%
106	152	0	152	100.0%	0	0	0	0	0	0	0	0	0.0%	0	0.2%	0	0.0%	2	1.2%	0	0.0%
107	79	0	76	96.2%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	2.0%	0	0.0%
108	155	0	151	97.3%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	1.4%	0	0.0%
109	178	0	156	87.3%	0	0	0	0	0	0	0	0	0.0%	0	0.3%	0	0.0%	2	0.8%	0	0.0%
110	63	0	51	80.9%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	1.5%	0	0.0%
110A	51	0	44	87.4%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	1.0%	0	0.0%
110B	33	0	27	82.8%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	2.0%	0	0.0%
111	105	0	105	100.0%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	4	3.5%	0	0.0%
112	64	0	64	100.0%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	1.4%	0	0.0%
113	141	0	68	48.2%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
114	159	0	145	91.1%	0	0	0	0	0	0	0	0	0.0%	0	0.3%	0	0.0%	3	1.8%	0	0.0%
115	77	0	47	61.3%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	2	2.0%	1	0.8%	0	0.0%
116	164	1	121	73.3%	1	0	0	0	1	0	0	0	0.0%	0	0.0%	1	0.6%	2	1.0%	0	0.0%
116A	191	0	175	91.9%	1	0	0	0	1	0	0	0	0.0%	0	0.0%	0	0.0%	3	1.7%	0	0.0%
117	40	0	24	60.2%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
118	30	0	9	28.1%	0	0	0	0	0	0	0	0	0.0%	0	0.4%	0	0.0%	0	0.0%	0	0.0%
119	38	0	12	31.0%	0	0	0	0	0	0	0	0	0.0%	0	0.3%	0	0.0%	0	0.0%	0	0.0%
120	26	0	17	66.0%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
121	25	0	17	69.7%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
122	229	0	215	93.6%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	9	3.8%	0	0.0%
123	173	0	161	93.1%	0	0	0	0	0	0	0	0	0.0%	0	0.1%	0	0.0%	6	3.2%	0	0.0%
124	162	0	76	46.8%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	1.4%	0	0.0%
125	248	0	166	66.8%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	6	2.4%	1	0.4%	0	0.0%
125A	165	0	123	74.1%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	0.5%	0	0.0%
126	145	0	66	45.6%	0	0	0	0	2	1	0	0	0.0%	0	0.0%	0	0.0%	2	1.4%	0	0.0%
126A	69	0	32	46.9%	0	0	0	0	2	1	0	0	0.0%	0	0.0%	0	0.0%	2	2.8%	0	0.0%
126B	99	0	50	50.4%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	1.0%	0	0.0%
127	78	0	2	3.1%	0	0	0	0	2	1	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
128	48	0	19	40.4%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	1.7%	0	0.0%
129	138	0	138	100.0%	0	0	0	0	0	0	0	0	0.0%	2	1.2%	0	0.0%	4	2.6%	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																	
		MR 7849.5910 (E) ⁷												MR7849.5910 (F) ⁸		Other			
		MDNR Scientific and Natural Areas (Acreage) ²²	MDNR Scientific and Natural Areas (% of Segment Area) ²²	State Wild and Scenic River Districts (Acreage) ²²	State Wild and Scenic River Districts (% of Segment Area) ²²	Stream Crossings (Count) ²²	Trout Stream Crossings (Count) ²²	USFWS Conservation Easements (Acreage) ²⁴	USFWS Conservation Easements (% of Segment Area) ²⁴	USFWS National Wetland Inventory (NWI) Wetlands (Acreage) ²⁵	USFWS National Wetland Inventory (NWI) Wetlands (% of Segment Area) ²⁵	Wooded Areas (Acreage) ²⁶	Wooded Areas (% of Segment Area) ²⁶	State Listed Threatened, Endangered or Candidate Species Known Occurrences (Count) ²⁷	Airports (Count) ²⁸	FCC Antenna Structures (Count) ²⁹	Cemeteries (Count) ¹⁰	County Identified Municipal Zoning or Land Use (Acreage) ¹¹	County Identified Municipal Zoning or Land Use (% of Segment Area) ¹¹
98	199	0	0.0%	0	0.0%	2	0	0	0.0%	25	12.4%	26	12.8%	0	0	0	0	0	0.0%
99	150	0	0.0%	0	0.0%	0	0	0	0.0%	17	11.0%	14	9.6%	0	0	0	0	0	0.0%
100	108	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.5%	5	4.6%	0	0	0	0	0	0.0%
101	317	0	0.0%	0	0.0%	1	0	0	0.0%	26	8.2%	35	11.0%	0	0	0	0	0	0.0%
102	78	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	5	6.1%	0	0	0	0	0	0.0%
103	241	0	0.0%	0	0.0%	0	0	0	0.0%	9	3.8%	7	3.0%	0	0	0	0	0	0.0%
104	81	0	0.0%	0	0.0%	0	0	0	0.0%	13	16.0%	3	3.1%	0	0	0	0	0	0.0%
105	42	0	0.0%	0	0.0%	0	0	0	0.0%	1	3.5%	0	0.5%	0	0	0	0	0	0.0%
106	152	0	0.0%	0	0.0%	0	0	0	0.0%	8	5.3%	12	7.6%	0	0	0	0	0	0.0%
107	79	0	0.0%	0	0.0%	0	0	0	0.0%	1	1.7%	3	3.9%	0	0	0	0	0	0.0%
108	155	0	0.0%	0	0.0%	0	0	0	0.0%	12	7.4%	6	3.6%	0	0	0	0	0	0.0%
109	178	0	0.0%	0	0.0%	0	0	0	0.0%	12	6.8%	1	0.8%	0	0	0	0	0	0.0%
110	63	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.3%	4	6.2%	0	0	0	0	0	0.0%
110A	51	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.3%	2	3.8%	0	0	0	0	0	0.0%
110B	33	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	4	11.9%	0	0	0	0	0	0.0%
111	105	0	0.0%	0	0.0%	1	0	0	0.0%	6	5.5%	36	33.9%	1	0	0	0	0	0.0%
112	64	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.4%	6	9.3%	0	0	0	0	0	0.0%
113	141	0	0.0%	0	0.0%	1	0	0	0.0%	23	16.1%	40	28.3%	0	0	0	0	0	0.0%
114	159	0	0.0%	0	0.0%	1	0	0	0.0%	6	3.5%	9	5.9%	0	0	0	0	0	0.0%
115	77	0	0.0%	0	0.0%	1	0	0	0.0%	1	0.7%	10	12.4%	0	0	0	0	0	0.0%
116	164	0	0.0%	0	0.0%	2	0	0	0.0%	9	5.4%	36	21.8%	0	0	0	0	0	0.0%
116A	191	0	0.0%	0	0.0%	2	0	0	0.0%	1	0.7%	32	16.8%	0	0	0	0	0	0.0%
117	40	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	3	7.1%	0	0	0	0	0	0.0%
118	30	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.4%	5	14.8%	0	0	0	0	0	0.0%
119	38	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.3%	5	14.0%	0	0	0	0	0	0.0%
120	26	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	2	5.8%	0	0	0	0	0	0.0%
121	25	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	2	8.3%	0	0	0	0	0	0.0%
122	229	0	0.0%	0	0.0%	1	0	0	0.0%	22	9.4%	30	13.2%	0	0	0	0	0	0.0%
123	173	0	0.0%	0	0.0%	1	0	0	0.0%	3	1.8%	20	11.5%	0	0	0	0	0	0.0%
124	162	0	0.0%	0	0.0%	1	0	0	0.0%	1	0.5%	11	6.7%	0	0	0	0	0	0.0%
125	248	0	0.0%	0	0.0%	1	0	0	0.0%	1	0.2%	14	5.5%	0	0	0	0	0	0.0%
125A	165	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.2%	0	0	0	0	0	0.0%
126	145	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	5	3.3%	0	0	0	1	0	0.0%
126A	69	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	2	3.2%	0	0	0	0	0	0.0%
126B	99	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	3	2.6%	0	0	0	0	0	0.0%
127	78	0	0.0%	0	0.0%	0	0	0	0.0%	1	1.1%	1	1.6%	0	0	0	0	0	0.0%
128	48	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.1%	0	0.0%	0	0	0	0	0	0.0%
129	138	0	0.0%	0	0.0%	0	0	0	0.0%	33	23.9%	3	2.2%	0	0	0	0	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Other				
		Floodplain (Acreage) ³⁰	Floodplain (% of Segment Area) ³⁰	Landfills / Dumps (Count) ³¹	USDA Conservation Reserve Program (CRP) Land (Acreage) ³²	USDA Conservation Reserve Program (CRP) Land (% of Segment Area) ³²
98	199	0	0.0%	0	0	0.0%
99	150	0	0.0%	0	0	0.0%
100	108	0	0.0%	0	0	0.0%
101	317	0	0.0%	0	2	0.5%
102	78	0	0.0%	0	1	1.3%
103	241	0	0.0%	0	0	0.0%
104	81	0	0.0%	0	8	9.5%
105	42	0	0.0%	0	0	0.0%
106	152	0	0.0%	0	0	0.0%
107	79	0	0.0%	0	0	0.0%
108	155	0	0.0%	0	24	15.4%
109	178	0	0.0%	0	48	27.0%
110	63	0	0.0%	0	0	0.0%
110A	51	0	0.0%	0	0	0.0%
110B	33	0	0.0%	0	0	0.0%
111	105	0	0.0%	0	26	24.8%
112	64	0	0.0%	0	0	0.0%
113	141	0	0.0%	0	4	3.0%
114	159	0	0.0%	0	0	0.0%
115	77	0	0.0%	0	0	0.0%
116	164	0	0.0%	0	0	0.0%
116A	191	0	0.0%	0	0	0.0%
117	40	0	0.0%	0	0	0.0%
118	30	0	0.0%	0	0	0.0%
119	38	0	0.0%	0	0	0.0%
120	26	0	0.0%	0	0	0.0%
121	25	0	0.0%	0	0	0.0%
122	229	0	0.0%	0	0	0.0%
123	173	0	0.0%	0	0	0.0%
124	162	0	0.0%	0	0	0.0%
125	248	0	0.0%	0	0	0.0%
125A	165	0	0.0%	0	0	0.0%
126	145	0	0.0%	0	0	0.0%
126A	69	0	0.0%	0	0	0.0%
126B	99	0	0.0%	0	0	0.0%
127	78	0	0.0%	0	0	0.0%
128	48	0	0.0%	0	0	0.0%
129	138	0	0.0%	0	0	0.0%

Assumptions / Data Sources:

- Route Segments are generally 1,000 feet wide (500 feet each side of the opportunity paralleled). For divided lane highways, 500 feet from the middle of the two lanes each direction traveled.
- This table only includes the sensitivities or impacts that occur along at least one of the Route Segments.
- Minnesota Rules Chapter 7849 list the factors that should be considered for transmission line siting.
- MR7849.5910 (A): effects on human settlement, including, but not limited to, displacement, noise, aesthetics, cultural values, recreation, and public services.
- MR7849.5910 (C): effects on land-based economies, including, but not limited to, agriculture, forestry, tourism, and mining.
- MR7849.5910 (D): effects on archaeological and historic resources.
- MR7849.5910 (E): effects on the natural environment, including effects on air and water quality resources and flora and fauna.
- MR7849.5910 (F): effects on rare and unique natural resources.
- Non-Residential Buildings or Structures and Residences were identified during field investigations and using 2006 and 2008 NAIP aerial photographs. Counts were only performed for Route Segments that were carried forward as Potential Route Alternatives or identified thereafter. Segments that did not have counts performed are shaded in grey.
- Churches and cemeteries were identified from the USGS GNIS dataset.
- Land Use and Zoning data was acquired from counties and cities within the Project area. The dataset that these numbers were based on is the compilation of all of these datasets. The land use and zoning categories above may not be the exact same categories used by the original datasets due to the need to create a complete and uniform dataset for the entire Project area.
- County trails data was obtained from Stearns County and Wright County.
- Daycare location data was obtained from the MDHS. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Hospital location data was obtained from the MDPH. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Population Centers were identified using municipality boundary data from the MDNR Data Deli and updated using municipal boundary maps provided by cities within the Project area.
- School location data was obtained from the MDOE. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Aggregate Source location data was obtained from the MnDOT.
- Center Pivot Irrigation Systems were identified using 2006 and 2008 NAIP aerial photographs.
- Cultural Resource data was obtained from the Minnesota SHPO.
- NPS NRHP data was obtained from the NPS.
- BWSR RIM easements were obtained from the Minnesota BWSR.
- These datasets were obtained from the MDNR Data Deli.
- Restorable Wetlands data was obtained from the Restorable Wetlands Working Group.
- USFWS Conservation Easement data was obtained from the USFWS Region 6 Realty Office.
- USFWS NWI Wetlands data was obtained from the USFWS Wetland Mapper website.
- Wooded Areas were identified using the USGS 2001 NLCD.
- State listed T&E species were identified using a dataset licensed from the MDNR for this Project.
- Airports were identified using Airnav.com.
- FCC Antenna Structures data was obtained from the FCC ASR database.
- 100-year Floodplains were identified from FEMA FIRM Digital data.
- Landfills/Dumps were identified from data obtained from the MPCA.
- USDA Conservation Reserve Program data was obtained from the USDA FSA.

		Minnesota Rules Chapter 7849 ³																
		MR 7849.5910 (A) ⁴																
Segment ¹	Segment Area (Acres) ¹	Buildings or Structures, Non-Residential (Count) ⁹	Churches (Count) ¹⁰	Commercial / Business / Institutional / Public Zoning or Land Use (Acres) ¹¹	Commercial / Business / Institutional / Public Zoning or Land Use (% of Segment Area) ¹¹	County Trails (Count) ¹²	Daycare Facilities (Count) ¹³	Hospitals (Count) ¹⁴	Industrial Zoning or Land Use (Acreage) ¹¹	Industrial Zoning or Land Use (% of Segment Area) ¹¹	Population Centers (Acreage) ¹⁵	Population Centers (% of Segment Area) ¹⁵	Recreational / Open Space / Park Zoning or Land Use (Acreage) ¹¹	Recreational / Open Space / Park Zoning or Land Use (% of Segment Area) ¹¹	Residences (Count) ⁹	Residential Zoning or Land Use (Acreage) ¹¹	Residential Zoning or Land Use (% of Segment Area) ¹¹	Schools (Count) ¹⁶
130	199	25	0	0	0.0%	0	1	0	0	0.0%	100	50.3%	0	0.0%	8	0	0.0%	0
131	168		0	0	0.0%	0	0	0	0	0.0%	168	100.0%	0	0.0%		0	0.0%	0
132	49	7	0	0	0.0%	0	0	0	0	0.0%	49	100.0%	0	0.0%	1	0	0.0%	0
133	58	11	0	0	0.0%	0	0	0	0	0.0%	58	100.0%	0	0.0%	2	0	0.0%	0
134	225	32	0	2	1.1%	0	1	0	0	0.0%	225	100.0%	0	0.0%	10	0	0.0%	0
135	159	21	0	6	3.8%	0	0	0	0	0.0%	159	100.0%	0	0.0%	22	3	1.6%	0
136	169	12	0	0	0.0%	0	0	0	0	0.0%	169	100.0%	0	0.0%	11	18	10.5%	0
137	139	11	0	2	1.8%	0	0	0	0	0.0%	139	100.0%	0	0.0%	7	4	2.6%	0
138	249	8	0	0	0.0%	0	2	0	0	0.0%	249	100.0%	0	0.0%	30	33	13.1%	0
139	31	0	0	0	0.0%	0	0	0	0	0.0%	31	100.0%	0	0.0%	0	0	0.0%	0
140	248	14	0	30	11.9%	0	2	0	0	0.0%	248	100.0%	0	0.0%	50	31	12.6%	0
140A	132	10	0	30	22.4%	0	2	0	0	0.0%	132	100.0%	0	0.0%	46	31	23.6%	0
140B	135	5	0	7	5.1%	0	0	0	0	0.0%	135	100.0%	0	0.0%	4	0	0.0%	0
141	55	5	0	38	68.9%	0	0	0	4	8.0%	55	100.1%	0	0.0%	6	6	10.8%	0
142	36	0	0	28	76.7%	0	0	0	0	0.0%	36	100.0%	0	0.0%	0	0	0.0%	0
143	172	6	0	46	26.6%	0	0	0	0	0.0%	172	100.0%	0	0.0%	3	0	0.0%	0
143A	62	1	0	46	74.6%	0	0	0	0	0.0%	62	100.0%	0	0.0%	0	0	0.0%	0
143B	129	6	0	7	5.2%	0	0	0	0	0.0%	129	100.0%	0	0.0%	3	0	0.0%	0
144	204	0	0	57	28.1%	0	0	0	2	0.8%	204	100.0%	0	0.0%	1	0	0.2%	0
145	225	1	0	95	42.4%	0	0	0	41	18.3%	225	100.0%	0	0.0%	0	78	34.6%	0
146	195		0	17	8.6%	0	0	0	19	9.6%	195	100.0%	0	0.0%		121	62.1%	0
147	54	0	0	0	0.0%	0	0	0	0	0.0%	54	100.0%	0	0.0%	0	0	0.0%	0
148	59	1	0	0	0.0%	0	0	0	0	0.0%	59	100.0%	0	0.0%	0	0	0.0%	0
149	34	1	0	0	0.0%	0	0	0	0	0.0%	34	100.0%	0	0.0%	0	0	0.0%	0
150	121	6	0	0	0.0%	0	0	0	0	0.0%	121	100.0%	0	0.0%	8	24	19.8%	0
151	151	10	0	0	0.0%	0	0	0	0	0.0%	151	100.0%	0	0.0%	8	26	17.1%	0
152	138	21	0	0	0.0%	0	0	0	0	0.0%	138	100.0%	0	0.0%	16	64	46.2%	0
153	79	3	0	0	0.0%	0	0	0	0	0.0%	79	100.0%	0	0.0%	5	3	4.2%	0
154	78	0	0	0	0.0%	0	0	0	0	0.0%	78	100.0%	0	0.0%	0	0	0.0%	0
155	34	6	0	0	0.0%	0	0	0	0	0.0%	34	100.0%	0	0.0%	1	0	0.0%	0
156	38	6	0	0	0.0%	0	0	0	0	0.0%	38	100.0%	0	0.0%	1	0	0.0%	0
157	51	7	0	0	0.0%	0	0	0	0	0.0%	51	100.0%	0	0.0%	2	0	0.0%	0
158	74		0	0	0.0%	0	0	0	0	0.0%	74	100.0%	0	0.0%		0	0.0%	0
159	57	0	0	0	0.0%	0	0	0	0	0.0%	57	100.0%	0	0.0%	0	0	0.0%	0
160	151	11	0	0	0.0%	0	0	0	0	0.0%	151	100.0%	5	3.3%	18	12	8.2%	0
161	48	3	0	0	0.0%	0	0	0	0	0.0%	48	100.0%	0	0.0%	6	4	7.6%	0
162	141	2	0	0	0.0%	0	1	0	0	0.0%	141	100.0%	0	0.0%	1	0	0.0%	0
163	139		0	0	0.0%	0	0	0	0	0.0%	139	100.0%	0	0.0%		4	3.2%	0

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																		
		MR 7849.5910 (C) ⁵						MR 7849.5910 (D) ⁶			MR 7849.5910 (E) ⁷									
		Aggregate Locations (Count) ¹⁷	Agriculture Zoning or Land Use (Acreage) ¹¹	Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Center Pivot Irrigation Systems (Count) ¹⁸	Special Protection Agriculture Zoning or Land Use (Acreage) ¹¹	Special Protection Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Archaeological Sites (Count) ¹⁹	Historical Sites (Count) ¹⁹	NPS National Register of Historic Places (Count) ²⁰	BWSR Re-invest In Minnesota (RIM) Easements (Acreage) ²¹	BWSR Re-invest In Minnesota (RIM) Easements (% of Segment Area) ²¹	Lakes (Acreage) ²²	Lakes (% of Segment Area) ²²	Minnesota County Biological Survey Sites of Biosignificance (Acreage) ²²	Minnesota County Biological Survey Sites of Biosignificance (% of Segment Area) ²²	Minnesota Restorable Wetlands (Acreage) ²³	Minnesota Restorable Wetlands (% of Segment Area) ²³	MDNR Wildlife Management Areas (Acreage) ²²	MDNR Wildlife Management Areas (Acreage) ²²
130	199	0	199	99.7%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	22	11.2%	0	0.0%
131	168	0	168	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.2%	0	0.0%	9	5.3%	0	0.0%
132	49	0	49	100.0%	0	0	0.0%	0	1	0	0	0.0%	0	0.0%	0	0.0%	5	9.4%	0	0.0%
133	58	0	58	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	3.7%	0	0.0%
134	225	1	223	98.9%	0	0	0.0%	0	1	0	0	0.0%	0	0.0%	0	0.0%	9	4.1%	0	0.0%
135	159	1	151	94.6%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	12	7.2%	0	0.0%
136	169	0	152	89.5%	0	0	0.0%	0	0	0	0	0.0%	0	0.1%	5	2.8%	5	3.0%	0	0.0%
137	139	0	133	95.6%	0	0	0.0%	0	0	0	0	0.0%	1	0.4%	5	3.5%	2	1.3%	0	0.0%
138	249	0	216	86.9%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	48	19.5%	0	0.0%
139	31	0	31	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	12	38.7%	0	0.0%
140	248	0	187	75.5%	0	0	0.0%	0	0	0	0	0.0%	1	0.3%	0	0.0%	46	18.6%	0	0.0%
140A	132	0	71	54.1%	0	0	0.0%	0	0	0	0	0.0%	1	0.6%	0	0.0%	25	18.5%	0	0.0%
140B	135	0	128	94.9%	0	0	0.0%	0	0	0	0	0.0%	0	0.2%	0	0.0%	31	23.1%	0	0.0%
141	55	0	10	17.8%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
142	36	0	8	23.3%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
143	172	0	127	73.4%	0	0	0.0%	0	0	0	0	0.0%	1	0.6%	0	0.0%	18	10.4%	0	0.0%
143A	62	0	16	25.4%	0	0	0.0%	0	0	0	0	0.0%	1	1.5%	0	0.0%	6	9.2%	0	0.0%
143B	129	0	122	94.8%	0	0	0.0%	0	0	0	0	0.0%	0	0.1%	0	0.0%	18	13.8%	0	0.0%
144	204	0	145	70.8%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	42	20.4%	0	0.0%
145	225	0	11	4.7%	0	0	0.0%	0	0	0	0	0.0%	1	0.4%	0	0.2%	3	1.3%	0	0.0%
146	195	0	39	19.8%	0	0	0.0%	0	0	0	0	0.0%	1	0.7%	0	0.0%	41	21.2%	0	0.0%
147	54	0	54	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	13	23.8%	0	0.0%
148	59	0	59	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	15	24.6%	0	0.0%
149	34	0	34	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	2.1%	0	0.0%
150	121	0	121	99.7%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	2.1%	0	0.0%
151	151	0	125	82.8%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	6	3.8%	18	12.1%	0	0.0%
152	138	0	74	53.6%	0	0	0.0%	0	0	0	0	0.0%	0	0.2%	14	10.3%	11	7.8%	0	0.0%
153	79	0	76	95.8%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	25	31.4%	0	0.0%
154	78	0	78	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	35	44.2%	0	0.0%
155	34	0	34	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	8	23.1%	0	0.0%
156	38	0	38	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	7	18.7%	0	0.0%
157	51	0	51	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	4.5%	0	0.0%
158	74	0	74	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	15	20.5%	0	0.0%
159	57	0	57	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	19	33.5%	0	0.0%
160	151	0	133	88.5%	0	0	0.0%	0	0	0	0	0.0%	4	2.9%	0	0.0%	17	11.5%	0	0.0%
161	48	0	44	92.4%	0	0	0.0%	0	0	0	0	0.0%	1	1.3%	6	11.7%	8	16.6%	0	0.0%
162	141	0	141	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.2%	0	0.0%	28	20.1%	0	0.0%
163	139	0	134	96.8%	0	0	0.0%	0	0	0	0	0.0%	1	0.5%	1	0.6%	20	14.6%	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																	
		MR 7849.5910 (E) ⁷												MR7849.5910 (F) ⁸		Other			
		MDNR Scientific and Natural Areas (Acreage) ²²	MDNR Scientific and Natural Areas (% of Segment Area) ²²	State Wild and Scenic River Districts (Acreage) ²²	State Wild and Scenic River Districts (% of Segment Area) ²²	Stream Crossings (Count) ²²	Trout Stream Crossings (Count) ²²	USFWS Conservation Easements (Acreage) ²⁴	USFWS Conservation Easements (% of Segment Area) ²⁴	USFWS National Wetland Inventory (NWI) Wetlands (Acreage) ²⁵	USFWS National Wetland Inventory (NWI) Wetlands (% of Segment Area) ²⁵	Wooded Areas (Acreage) ²⁶	Wooded Areas (% of Segment Area) ²⁶	State Listed Threatened, Endangered or Candidate Species Known Occurrences (Count) ²⁷	Airports (Count) ²⁸	FCC Antenna Structures (Count) ²⁹	Cemeteries (Count) ¹⁰	County Identified Municipal Zoning or Land Use (Acreage) ¹¹	County Identified Municipal Zoning or Land Use (% of Segment Area) ¹¹
130	199	0	0.0%	0	0.0%	0	0	0	0.0%	29	14.4%	10	5.2%	0	0	0	0	0	0.0%
131	168	0	0.0%	0	0.0%	0	0	0	0.0%	3	1.7%	6	3.4%	0	0	0	0	0	0.0%
132	49	0	0.0%	0	0.0%	1	1	0	0.0%	0	0.0%	1	1.8%	0	0	0	0	0	0.0%
133	58	0	0.0%	0	0.0%	2	1	0	0.0%	8	13.7%	6	10.7%	0	0	0	0	0	0.0%
134	225	0	0.0%	0	0.0%	1	1	0	0.0%	5	2.2%	15	6.6%	0	0	0	0	0	0.0%
135	159	0	0.0%	0	0.0%	0	0	0	0.0%	15	9.6%	26	16.5%	0	0	1	0	0	0.0%
136	169	0	0.0%	0	0.0%	3	1	0	0.0%	26	15.1%	13	7.9%	0	0	0	0	0	0.0%
137	139	0	0.0%	0	0.0%	1	1	0	0.0%	18	13.1%	13	9.1%	0	0	0	0	0	0.0%
138	249	0	0.0%	0	0.0%	0	0	0	0.0%	49	19.6%	21	8.4%	0	0	0	0	0	0.0%
139	31	0	0.0%	0	0.0%	2	2	0	0.0%	3	10.2%	1	2.6%	0	0	0	0	0	0.0%
140	248	0	0.0%	0	0.0%	0	0	0	0.0%	37	14.9%	5	2.0%	0	0	0	0	0	0.0%
140A	132	0	0.0%	0	0.0%	0	0	0	0.0%	15	11.6%	1	0.7%	0	0	0	0	0	0.0%
140B	135	0	0.0%	0	0.0%	0	0	0	0.0%	27	20.2%	4	2.9%	0	0	0	0	0	0.0%
141	55	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0	0.0%
142	36	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0	0.0%
143	172	0	0.0%	0	0.0%	0	0	0	0.0%	18	10.6%	3	1.9%	0	0	1	0	0	0.0%
143A	62	0	0.0%	0	0.0%	0	0	0	0.0%	3	5.5%	0	0.0%	0	0	0	0	0	0.0%
143B	129	0	0.0%	0	0.0%	0	0	0	0.0%	18	13.6%	3	2.5%	0	0	1	0	0	0.0%
144	204	0	0.0%	0	0.0%	0	0	0	0.0%	35	17.3%	15	7.1%	0	0	0	0	0	0.0%
145	225	0	0.0%	0	0.0%	1	0	0	0.0%	5	2.0%	9	4.0%	1	0	0	0	0	0.0%
146	195	0	0.0%	0	0.0%	1	0	0	0.0%	19	9.8%	60	30.5%	0	0	0	0	0	0.0%
147	54	0	0.0%	0	0.0%	0	0	0	0.0%	13	24.9%	3	5.3%	0	0	0	0	0	0.0%
148	59	0	0.0%	0	0.0%	0	0	0	0.0%	9	15.5%	4	6.9%	0	0	0	0	0	0.0%
149	34	0	0.0%	0	0.0%	0	0	0	0.0%	5	15.1%	0	0.8%	0	0	0	0	0	0.0%
150	121	0	0.0%	0	0.0%	0	0	0	0.0%	8	6.3%	10	8.2%	0	0	0	0	0	0.0%
151	151	0	0.0%	0	0.0%	0	0	0	0.0%	24	16.1%	20	12.9%	0	0	0	0	0	0.0%
152	138	0	0.0%	0	0.0%	0	0	0	0.0%	19	13.7%	17	12.1%	0	0	0	0	0	0.0%
153	79	0	0.0%	0	0.0%	1	0	0	0.0%	18	22.6%	10	12.9%	0	0	0	0	0	0.0%
154	78	0	0.0%	0	0.0%	2	2	0	0.0%	27	33.8%	1	1.0%	0	0	0	0	0	0.0%
155	34	0	0.0%	0	0.0%	2	2	0	0.0%	3	9.9%	6	17.7%	0	0	0	0	0	0.0%
156	38	0	0.0%	0	0.0%	2	2	0	0.0%	4	10.0%	6	16.4%	0	0	0	0	0	0.0%
157	51	0	0.0%	0	0.0%	2	2	0	0.0%	4	8.2%	7	14.4%	0	0	0	0	0	0.0%
158	74	0	0.0%	0	0.0%	2	2	0	0.0%	6	8.5%	6	7.9%	0	0	0	0	0	0.0%
159	57	0	0.0%	0	0.0%	0	0	0	0.0%	8	13.9%	2	2.6%	0	0	0	0	0	0.0%
160	151	0	0.0%	0	0.0%	0	0	0	0.0%	14	9.3%	32	21.4%	0	0	0	0	0	0.0%
161	48	0	0.0%	0	0.0%	0	0	0	0.0%	11	23.5%	16	32.7%	0	0	0	0	0	0.0%
162	141	0	0.0%	0	0.0%	1	0	0	0.0%	37	26.1%	23	16.5%	0	0	0	0	0	0.0%
163	139	0	0.0%	0	0.0%	1	1	0	0.0%	21	15.3%	74	53.3%	0	0	0	0	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Other				
		Floodplain (Acreage) ³⁰	Floodplain (% of Segment Area) ³⁰	Landfills / Dumps (Count) ³¹	USDA Conservation Reserve Program (CRP) Land (Acreage) ³²	USDA Conservation Reserve Program (CRP) Land (% of Segment Area) ³²
130	199	0	0.0%	0	0	0.0%
131	168	0	0.0%	0	0	0.0%
132	49	0	0.0%	0	0	0.0%
133	58	0	0.0%	0	0	0.0%
134	225	0	0.0%	0	7	3.1%
135	159	0	0.0%	0	0	0.0%
136	169	0	0.0%	0	4	2.6%
137	139	0	0.0%	0	3	2.3%
138	249	0	0.0%	0	10	4.1%
139	31	0	0.0%	0	6	18.3%
140	248	0	0.0%	0	0	0.0%
140A	132	0	0.0%	0	0	0.0%
140B	135	0	0.0%	0	0	0.0%
141	55	0	0.0%	1	0	0.0%
142	36	0	0.0%	0	0	0.0%
143	172	0	0.0%	0	0	0.0%
143A	62	0	0.0%	0	0	0.0%
143B	129	0	0.0%	0	0	0.0%
144	204	0	0.0%	1	0	0.0%
145	225	0	0.0%	1	0	0.0%
146	195	0	0.0%	0	0	0.0%
147	54	0	0.0%	0	0	0.0%
148	59	0	0.0%	0	0	0.0%
149	34	0	0.0%	0	0	0.0%
150	121	0	0.0%	0	0	0.0%
151	151	0	0.0%	0	0	0.0%
152	138	0	0.0%	0	0	0.0%
153	79	0	0.0%	0	0	0.0%
154	78	0	0.0%	0	1	1.5%
155	34	0	0.0%	0	2	5.0%
156	38	0	0.0%	0	6	16.3%
157	51	0	0.0%	0	0	0.3%
158	74	0	0.0%	0	0	0.2%
159	57	0	0.0%	0	0	0.0%
160	151	0	0.0%	0	0	0.0%
161	48	0	0.0%	0	0	0.0%
162	141	0	0.0%	0	0	0.0%
163	139	0	0.0%	0	0	0.0%

Assumptions / Data Sources:

- Route Segments are generally 1,000 feet wide (500 feet each side of the opportunity paralleled). For divided lane highways, 500 feet from the middle of the two lanes each direction traveled.
- This table only includes the sensitivities or impacts that occur along at least one of the Route Segments.
- Minnesota Rules Chapter 7849 list the factors that should be considered for transmission line siting.
- MR7849.5910 (A): effects on human settlement, including, but not limited to, displacement, noise, aesthetics, cultural values, recreation, and public services.
- MR7849.5910 (C): effects on land-based economies, including, but not limited to, agriculture, forestry, tourism, and mining.
- MR7849.5910 (D): effects on archaeological and historic resources.
- MR7849.5910 (E): effects on the natural environment, including effects on air and water quality resources and flora and fauna.
- MR7849.5910 (F): effects on rare and unique natural resources.
- Non-Residential Buildings or Structures and Residences were identified during field investigations and using 2006 and 2008 NAIP aerial photographs. Counts were only performed for Route Segments that were carried forward as Potential Route Alternatives or identified thereafter. Segments that did not have counts performed are shaded in grey.
- Churches and cemeteries were identified from the USGS GNIS dataset.
- Land Use and Zoning data was acquired from counties and cities within the Project area. The dataset that these numbers were based on is the compilation of all of these datasets. The land use and zoning categories above may not be the exact same categories used by the original datasets due to the need to create a complete and uniform dataset for the entire Project area.
- County trails data was obtained from Stearns County and Wright County.
- Daycare location data was obtained from the MDHS. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Hospital location data was obtained from the MDPH. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Population Centers were identified using municipality boundary data from the MDNR Data Deli and updated using municipal boundary maps provided by cities within the Project area.
- School location data was obtained from the MDOE. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Aggregate Source location data was obtained from the MnDOT.
- Center Pivot Irrigation Systems were identified using 2006 and 2008 NAIP aerial photographs.
- Cultural Resource data was obtained from the Minnesota SHPO.
- NPS NRHP data was obtained from the NPS.
- BWSR RIM easements were obtained from the Minnesota BWSR.
- These datasets were obtained from the MDNR Data Deli.
- Restorable Wetlands data was obtained from the Restorable Wetlands Working Group.
- USFWS Conservation Easement data was obtained from the USFWS Region 6 Realty Office.
- USFWS NWI Wetlands data was obtained from the USFWS Wetland Mapper website.
- Wooded Areas were identified using the USGS 2001 NLCD.
- State listed T&E species were identified using a dataset licensed from the MDNR for this Project.
- Airports were identified using Airnav.com.
- FCC Antenna Structures data was obtained from the FCC ASR database.
- 100-year Floodplains were identified from FEMA FIRM Digital data.
- Landfills/Dumps were identified from data obtained from the MPCA.
- USDA Conservation Reserve Program data was obtained from the USDA FSA.

		Minnesota Rules Chapter 7849 ³																
		MR 7849.5910 (A) ⁴																
Segment ¹	Segment Area (Acres) ¹	Buildings or Structures, Non-Residential (Count) ⁹	Churches (Count) ¹⁰	Commercial / Business / Institutional / Public Zoning or Land Use (Acres) ¹¹	Commercial / Business / Institutional / Public Zoning or Land Use (% of Segment Area) ¹¹	County Trails (Count) ¹²	Daycare Facilities (Count) ¹³	Hospitals (Count) ¹⁴	Industrial Zoning or Land Use (Acreage) ¹¹	Industrial Zoning or Land Use (% of Segment Area) ¹¹	Population Centers (Acreage) ¹⁵	Population Centers (% of Segment Area) ¹⁵	Recreational / Open Space / Park Zoning or Land Use (Acreage) ¹¹	Recreational / Open Space / Park Zoning or Land Use (% of Segment Area) ¹¹	Residences (Count) ⁹	Residential Zoning or Land Use (Acreage) ¹¹	Residential Zoning or Land Use (% of Segment Area) ¹¹	Schools (Count) ¹⁶
164	195		0	0	0.0%	0	0	0	0	0.0%	195	100.0%	0	0.0%		23	11.7%	0
165	182	0	0	0	0.0%	0	0	0	14	7.6%	182	100.0%	0	0.0%	0	0	0.0%	0
166	143	0	0	0	0.0%	0	0	0	3	2.4%	143	100.0%	0	0.0%	0	0	0.0%	0
167	168	0	1	10	5.8%	0	0	0	22	12.9%	168	100.0%	0	0.0%	0	36	21.5%	1
168	168		0	0	0.0%	0	0	0	0	0.0%	168	100.0%	0	0.0%		69	40.7%	0
169	166		0	0	0.0%	0	0	0	0	0.0%	166	100.0%	0	0.0%		8	5.0%	0
170	94	1	0	0	0.0%	0	0	0	15	15.7%	94	100.0%	0	0.0%	0	8	8.9%	0
171	153	1	0	0	0.0%	0	0	0	16	10.2%	153	100.0%	0	0.0%	17	29	19.1%	0
172	63	14	0	0	0.0%	0	0	0	34	53.9%	63	100.0%	0	0.0%	3	4	5.9%	0
173	136	8	0	0	0.0%	0	0	0	0	0.0%	136	100.0%	0	0.0%	13	43	31.7%	0
174	138		0	0	0.0%	0	0	0	9	6.4%	138	100.0%	0	0.0%		45	32.5%	0
175	283	25	0	0	0.0%	0	0	0	0	0.0%	283	100.0%	0	0.0%	23	40	14.0%	0
176	105	19	0	0	0.0%	0	0	0	9	8.3%	105	100.0%	0	0.0%	12	15	14.3%	0
176A	79	19	0	0	0.0%	0	0	0	9	11.0%	79	100.0%	0	0.0%	12	15	19.1%	0
177	55	0	0	0	0.0%	0	0	0	0	0.0%	55	100.0%	0	0.0%	2	2	3.1%	0
178	173	0	0	0	0.0%	0	0	0	0	0.0%	173	100.0%	0	0.0%	1	0	0.3%	0
178A	139	0	0	0	0.0%	0	0	0	0	0.0%	139	100.0%	0	0.0%	1	0	0.3%	0
179	168	1	0	0	0.0%	0	0	0	0	0.0%	168	100.0%	0	0.0%	3	50	29.7%	0
180	200	15	0	0	0.0%	0	0	0	0	0.0%	200	100.0%	0	0.0%	8	4	2.1%	0
181	111	0	0	0	0.0%	0	0	0	0	0.0%	111	100.0%	0	0.0%	0	0	0.0%	0
182	64	10	0	0	0.0%	0	0	0	0	0.0%	64	100.0%	0	0.0%	17	16	25.3%	0
183	33	10	0	0	0.0%	0	0	0	0	0.0%	33	100.0%	0	0.0%	7	7	22.2%	0
184	193	37	0	5	2.7%	0	0	0	0	0.0%	193	100.0%	0	0.0%	31	4	2.3%	0
185	89	7	0	5	5.8%	0	0	0	0	0.0%	89	100.0%	0	0.0%	11	0	0.0%	0
186	82	1	0	0	0.0%	0	0	0	0	0.0%	93	113.6%	0	0.0%	2	0	0.0%	0
187	212	0	0	0	0.0%	0	0	0	7	3.1%	212	100.0%	0	0.0%	0	0	0.0%	0
188	147	5	0	5	3.5%	0	0	0	14	9.4%	147	100.0%	0	0.0%	3	4	2.4%	0
189	139	9	0	0	0.0%	0	1	0	0	0.0%	139	100.0%	0	0.0%	5	44	32.0%	0
190	43	7	0	0	0.0%	0	0	0	0	0.0%	43	100.0%	0	0.0%	7	8	19.6%	0
191	139	8	0	0	0.0%	0	0	0	0	0.0%	139	100.0%	0	0.0%	7	129	92.7%	0
192	27	0	0	11	40.2%	0	0	0	13	46.6%	27	100.0%	0	0.0%	0	4	12.9%	0
193	26	0	0	11	43.0%	0	0	0	12	44.6%	26	100.0%	0	0.0%	0	3	12.3%	0
194	29		0	15	50.7%	0	0	0	12	41.7%	29	100.0%	0	0.0%		2	7.3%	0
195	70	0	0	41	57.5%	0	0	0	25	35.2%	70	100.0%	0	0.0%	0	5	7.2%	0
196	117	0	0	21	18.1%	0	0	0	32	27.0%	117	100.0%	0	0.0%	0	64	54.9%	0
197	139	0	0	0	0.0%	0	4	0	0	0.0%	139	100.0%	0	0.0%	0	130	93.2%	0
198	139	0	0	0	0.0%	0	0	0	4	3.2%	139	100.0%	0	0.0%	0	35	25.0%	0
199	78	0	0	0	0.0%	0	0	0	4	5.7%	78	100.0%	0	0.0%	0	28	35.3%	0

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																		
		MR 7849.5910 (C) ⁵						MR 7849.5910 (D) ⁶			MR 7849.5910 (E) ⁷									
		Aggregate Locations (Count) ¹⁷	Agriculture Zoning or Land Use (Acreage) ¹¹	Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Center Pivot Irrigation Systems (Count) ¹⁸	Special Protection Agriculture Zoning or Land Use (Acreage) ¹¹	Special Protection Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Archaeological Sites (Count) ¹⁹	Historical Sites (Count) ¹⁹	NPS National Register of Historic Places (Count) ²⁰	BWSR Re-invest In Minnesota (RIM) Easements (Acreage) ²¹	BWSR Re-invest In Minnesota (RIM) Easements (% of Segment Area) ²¹	Lakes (Acreage) ²²	Lakes (% of Segment Area) ²²	Minnesota County Biological Survey Sites of Biosignificance (Acreage) ²²	Minnesota County Biological Survey Sites of Biosignificance (% of Segment Area) ²²	Minnesota Restorable Wetlands (Acreage) ²³	Minnesota Restorable Wetlands (% of Segment Area) ²³	MDNR Wildlife Management Areas (Acreage) ²²	MDNR Wildlife Management Areas (Acreage) ²²
164	195	0	172	88.3%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	47	24.3%	0	0.0%
165	182	0	168	92.4%	1	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	5	2.7%	0	0.0%
166	143	0	140	97.6%	0	0	0.0%	0	0	0	0	0.0%	1	0.7%	0	0.0%	9	6.4%	0	0.0%
167	168	0	100	59.7%	1	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	10	6.1%	0	0.0%
168	168	0	100	59.3%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	14	8.0%	9	5.4%	0	0.0%
169	166	0	158	95.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	44	26.6%	22	13.0%	0	0.0%
170	94	0	70	75.4%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	7	7.0%	0	0.0%
171	153	0	108	70.7%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	38	24.8%	12	7.9%	0	0.0%
172	63	0	25	40.2%	0	0	0.0%	0	0	0	0	0.0%	0	0.1%	0	0.0%	7	10.3%	0	0.0%
173	136	0	93	68.2%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	10	7.5%	23	16.8%	0	0.0%
174	138	0	84	61.1%	0	0	0.0%	0	0	0	0	0.0%	0	0.1%	15	10.5%	15	10.7%	0	0.0%
175	283	0	244	86.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	64	22.6%	0	0.0%
176	105	0	81	77.4%	0	0	0.0%	0	0	0	0	0.0%	0	0.1%	0	0.0%	15	14.2%	0	0.0%
176A	79	0	55	69.9%	0	0	0.0%	0	0	0	0	0.0%	0	0.1%	0	0.0%	14	17.5%	0	0.0%
177	55	0	53	96.9%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	3.7%	0	0.0%
178	173	0	173	99.7%	0	0	0.0%	0	0	0	0	0.0%	8	4.5%	0	0.0%	11	6.5%	0	0.0%
178A	139	0	139	99.7%	0	0	0.0%	0	0	0	0	0.0%	8	5.6%	0	0.0%	10	6.9%	0	0.0%
179	168	0	117	70.1%	0	0	0.0%	0	0	0	0	0.0%	3	1.9%	0	0.0%	9	5.5%	0	0.0%
180	200	0	195	97.9%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	50	25.2%	0	0.0%
181	111	0	111	100.0%	0	0	0.0%	0	0	0	0	0.0%	3	2.8%	0	0.0%	6	5.2%	0	0.0%
182	64	0	47	74.2%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	2.1%	0	0.0%
183	33	0	26	77.7%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	9.1%	0	0.0%
184	193	0	183	95.0%	0	0	0.0%	0	1	0	0	0.0%	0	0.1%	0	0.0%	15	8.0%	0	0.0%
185	89	0	77	87.1%	0	4	4.1%	0	1	0	0	0.0%	5	5.7%	0	0.0%	8	8.5%	0	0.0%
186	82	0	68	83.6%	0	10	12.3%	0	0	0	0	0.0%	0	0.0%	0	0.0%	7	8.7%	0	0.0%
187	212	1	125	59.3%	0	67	31.7%	0	0	0	0	0.0%	12	5.5%	15	7.2%	37	17.3%	0	0.0%
188	147	0	124	84.5%	0	0	0.0%	0	1	0	0	0.0%	0	0.2%	15	10.4%	10	7.1%	0	0.0%
189	139	0	94	67.8%	0	0	0.0%	0	0	0	0	0.0%	0	0.3%	34	24.8%	11	8.1%	0	0.0%
190	43	0	34	80.2%	0	0	0.0%	0	0	0	0	0.0%	0	0.7%	2	4.7%	13	30.5%	0	0.0%
191	139	0	10	7.1%	0	0	0.0%	0	0	0	0	0.0%	1	0.5%	12	8.7%	28	20.2%	0	0.0%
192	27	0	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.4%	0	0.0%
193	26	0	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	1.4%	0	0.0%
194	29	0	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	1.2%	0	0.0%
195	70	0	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
196	117	0	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.1%	0	0.0%	6	5.2%	0	0.0%
197	139	0	9	6.7%	0	0	0.0%	0	0	0	0	0.0%	0	0.1%	11	7.9%	39	27.7%	0	0.0%
198	139	0	99	71.6%	0	0	0.0%	0	0	0	0	0.0%	1	0.7%	31	22.2%	8	5.7%	0	0.0%
199	78	0	46	58.9%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	15	19.4%	1	1.6%	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																	
		MR 7849.5910 (E) ⁷												MR7849.5910 (F) ⁸		Other			
		MDNR Scientific and Natural Areas (Acreage) ²²	MDNR Scientific and Natural Areas (% of Segment Area) ²²	State Wild and Scenic River Districts (Acreage) ²²	State Wild and Scenic River Districts (% of Segment Area) ²²	Stream Crossings (Count) ²²	Trout Stream Crossings (Count) ²²	USFWS Conservation Easements (Acreage) ²⁴	USFWS Conservation Easements (% of Segment Area) ²⁴	USFWS National Wetland Inventory (NWI) Wetlands (Acreage) ²⁵	USFWS National Wetland Inventory (NWI) Wetlands (% of Segment Area) ²⁵	Wooded Areas (Acreage) ²⁶	Wooded Areas (% of Segment Area) ²⁶	State Listed Threatened, Endangered or Candidate Species Known Occurrences (Count) ²⁷	Airports (Count) ²⁸	FCC Antenna Structures (Count) ²⁹	Cemeteries (Count) ¹⁰	County Identified Municipal Zoning or Land Use (Acreage) ¹¹	County Identified Municipal Zoning or Land Use (% of Segment Area) ¹¹
164	195	0	0.0%	0	0.0%	2	2	0	0.0%	48	24.6%	37	18.9%	0	0	0	0	0	0.0%
165	182	0	0.0%	0	0.0%	0	0	0	0.0%	35	19.0%	12	6.7%	0	0	0	0	0	0.0%
166	143	0	0.0%	0	0.0%	0	0	0	0.0%	8	5.6%	0	0.0%	0	0	0	0	0	0.0%
167	168	0	0.0%	0	0.0%	2	2	0	0.0%	9	5.2%	2	1.2%	0	0	0	1	0	0.0%
168	168	0	0.0%	0	0.0%	3	3	0	0.0%	46	27.1%	36	21.4%	0	0	0	0	0	0.0%
169	166	0	0.0%	0	0.0%	1	1	0	0.0%	22	13.0%	92	55.2%	0	0	0	0	0	0.0%
170	94	0	0.0%	0	0.0%	0	0	0	0.0%	5	4.9%	0	0.0%	0	0	0	0	0	0.0%
171	153	0	0.0%	0	0.0%	1	0	0	0.0%	3	2.2%	39	25.7%	1	0	0	0	0	0.0%
172	63	0	0.0%	0	0.0%	0	0	0	0.0%	19	30.0%	1	2.2%	0	0	0	0	0	0.0%
173	136	0	0.0%	0	0.0%	0	0	0	0.0%	13	9.5%	16	11.8%	0	0	0	0	0	0.0%
174	138	0	0.0%	0	0.0%	1	0	0	0.0%	26	19.1%	45	32.3%	0	0	0	0	0	0.0%
175	283	0	0.0%	0	0.0%	1	2	0	0.0%	46	16.1%	40	14.1%	0	0	0	0	0	0.0%
176	105	0	0.0%	0	0.0%	0	0	0	0.0%	11	10.2%	0	0.0%	0	0	0	0	0	0.0%
176A	79	0	0.0%	0	0.0%	0	0	0	0.0%	11	13.6%	0	0.0%	0	0	0	0	0	0.0%
177	55	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0	0.0%
178	173	0	0.0%	0	0.0%	0	0	0	0.0%	38	21.9%	7	3.9%	0	0	0	0	0	0.0%
178A	139	0	0.0%	0	0.0%	0	0	0	0.0%	37	26.7%	7	4.9%	0	0	0	0	0	0.0%
179	168	0	0.0%	0	0.0%	0	0	0	0.0%	28	16.9%	13	8.0%	0	0	0	0	0	0.0%
180	200	0	0.0%	0	0.0%	1	1	0	0.0%	50	25.1%	36	17.9%	0	0	0	0	0	0.0%
181	111	0	0.0%	0	0.0%	0	0	0	0.0%	17	15.3%	2	2.2%	0	0	0	0	0	0.0%
182	64	0	0.0%	0	0.0%	0	0	0	0.0%	1	1.4%	6	9.4%	0	0	0	0	0	0.0%
183	33	0	0.0%	0	0.0%	0	0	0	0.0%	2	5.0%	1	3.0%	0	0	0	0	0	0.0%
184	193	0	0.0%	0	0.0%	1	1	0	0.0%	25	13.0%	15	7.9%	0	0	0	0	0	0.0%
185	89	0	0.0%	0	0.0%	0	0	0	0.0%	10	11.2%	1	0.6%	0	0	0	0	0	0.0%
186	82	0	0.0%	0	0.0%	0	0	0	0.0%	7	8.2%	0	0.0%	0	0	0	0	0	0.0%
187	212	0	0.0%	0	0.0%	2	2	0	0.0%	35	16.6%	8	3.8%	0	0	0	0	0	0.0%
188	147	0	0.0%	0	0.0%	1	1	0	0.0%	5	3.2%	9	5.9%	0	0	0	0	0	0.0%
189	139	0	0.0%	0	0.0%	0	0	0	0.0%	14	10.2%	30	21.5%	0	0	0	0	0	0.0%
190	43	0	0.0%	0	0.0%	0	0	0	0.0%	12	26.9%	5	12.6%	0	0	0	0	0	0.0%
191	139	0	0.0%	0	0.0%	1	0	0	0.0%	24	17.4%	7	5.3%	0	0	0	0	0	0.0%
192	27	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0	0.0%
193	26	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0	0.0%
194	29	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0	0.0%
195	70	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	1	0	0.0%
196	117	0	0.0%	0	0.0%	1	0	0	0.0%	12	10.1%	4	3.7%	0	0	0	0	0	0.0%
197	139	0	0.0%	0	0.0%	0	0	0	0.0%	34	24.3%	14	9.9%	0	0	0	0	0	0.0%
198	139	0	0.0%	0	0.0%	0	0	0	0.0%	11	8.2%	20	14.6%	0	0	0	0	0	0.0%
199	78	0	0.0%	0	0.0%	0	0	0	0.0%	1	1.0%	6	7.9%	0	0	0	0	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Other				
		Floodplain (Acreage) ³⁰	Floodplain (% of Segment Area) ³⁰	Landfills / Dumps (Count) ³¹	USDA Conservation Reserve Program (CRP) Land (Acreage) ³²	USDA Conservation Reserve Program (CRP) Land (% of Segment Area) ³²
164	195	0	0.0%	0	20	10.2%
165	182	0	0.0%	0	0	0.0%
166	143	0	0.0%	0	0	0.0%
167	168	0	0.0%	0	2	1.0%
168	168	0	0.0%	0	8	4.6%
169	166	0	0.0%	0	0	0.0%
170	94	0	0.0%	0	27	28.5%
171	153	0	0.0%	0	11	7.1%
172	63	0	0.0%	0	4	5.9%
173	136	0	0.0%	0	0	0.0%
174	138	0	0.0%	0	0	0.0%
175	283	0	0.0%	0	0	0.0%
176	105	0	0.0%	0	0	0.0%
176A	79	0	0.0%	0	0	0.0%
177	55	0	0.0%	0	0	0.0%
178	173	0	0.0%	0	0	0.0%
178A	139	0	0.0%	0	0	0.0%
179	168	0	0.0%	0	0	0.0%
180	200	0	0.0%	0	0	0.0%
181	111	0	0.0%	0	0	0.0%
182	64	0	0.0%	0	0	0.0%
183	33	0	0.0%	0	0	0.0%
184	193	0	0.0%	0	0	0.0%
185	89	0	0.0%	0	0	0.0%
186	82	0	0.0%	0	0	0.0%
187	212	0	0.0%	0	0	0.0%
188	147	0	0.0%	0	0	0.0%
189	139	0	0.0%	0	0	0.0%
190	43	0	0.0%	0	0	0.0%
191	139	0	0.0%	0	0	0.0%
192	27	0	0.0%	0	0	0.0%
193	26	0	0.0%	0	0	0.0%
194	29	0	0.0%	0	0	0.0%
195	70	0	0.0%	0	0	0.0%
196	117	0	0.0%	0	0	0.0%
197	139	0	0.0%	0	0	0.0%
198	139	0	0.0%	0	0	0.0%
199	78	0	0.0%	0	0	0.0%

Assumptions / Data Sources:

- Route Segments are generally 1,000 feet wide (500 feet each side of the opportunity paralleled). For divided lane highways, 500 feet from the middle of the two lanes each direction traveled.
- This table only includes the sensitivities or impacts that occur along at least one of the Route Segments.
- Minnesota Rules Chapter 7849 list the factors that should be considered for transmission line siting.
- MR7849.5910 (A): effects on human settlement, including, but not limited to, displacement, noise, aesthetics, cultural values, recreation, and public services.
- MR7849.5910 (C): effects on land-based economies, including, but not limited to, agriculture, forestry, tourism, and mining.
- MR7849.5910 (D): effects on archaeological and historic resources.
- MR7849.5910 (E): effects on the natural environment, including effects on air and water quality resources and flora and fauna.
- MR7849.5910 (F): effects on rare and unique natural resources.
- Non-Residential Buildings or Structures and Residences were identified during field investigations and using 2006 and 2008 NAIP aerial photographs. Counts were only performed for Route Segments that were carried forward as Potential Route Alternatives or identified thereafter. Segments that did not have counts performed are shaded in grey.
- Churches and cemeteries were identified from the USGS GNIS dataset.
- Land Use and Zoning data was acquired from counties and cities within the Project area. The dataset that these numbers were based on is the compilation of all of these datasets. The land use and zoning categories above may not be the exact same categories used by the original datasets due to the need to create a complete and uniform dataset for the entire Project area.
- County trails data was obtained from Stearns County and Wright County.
- Daycare location data was obtained from the MDHS. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Hospital location data was obtained from the MDPH. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Population Centers were identified using municipality boundary data from the MDNR Data Deli and updated using municipal boundary maps provided by cities within the Project area.
- School location data was obtained from the MDOE. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Aggregate Source location data was obtained from the MnDOT.
- Center Pivot Irrigation Systems were identified using 2006 and 2008 NAIP aerial photographs.
- Cultural Resource data was obtained from the Minnesota SHPO.
- NPS NRHP data was obtained from the NPS.
- BWSR RIM easements were obtained from the Minnesota BWSR.
- These datasets were obtained from the MDNR Data Deli.
- Restorable Wetlands data was obtained from the Restorable Wetlands Working Group.
- USFWS Conservation Easement data was obtained from the USFWS Region 6 Realty Office.
- USFWS NWI Wetlands data was obtained from the USFWS Wetland Mapper website.
- Wooded Areas were identified using the USGS 2001 NLCD.
- State listed T&E species were identified using a dataset licensed from the MDNR for this Project.
- Airports were identified using Airnav.com.
- FCC Antenna Structures data was obtained from the FCC ASR database.
- 100-year Floodplains were identified from FEMA FIRM Digital data.
- Landfills/Dumps were identified from data obtained from the MPCA.
- USDA Conservation Reserve Program data was obtained from the USDA FSA.

		Minnesota Rules Chapter 7849 ³																
		MR 7849.5910 (A) ⁴																
Segment ¹	Segment Area (Acres) ¹	Buildings or Structures, Non-Residential (Count) ⁹	Churches (Count) ¹⁰	Commercial / Business / Institutional / Public Zoning or Land Use (Acres) ¹¹	Commercial / Business / Institutional / Public Zoning or Land Use (% of Segment Area) ¹¹	County Trails (Count) ¹²	Daycare Facilities (Count) ¹³	Hospitals (Count) ¹⁴	Industrial Zoning or Land Use (Acreage) ¹¹	Industrial Zoning or Land Use (% of Segment Area) ¹¹	Population Centers (Acreage) ¹⁵	Population Centers (% of Segment Area) ¹⁵	Recreational / Open Space / Park Zoning or Land Use (Acreage) ¹¹	Recreational / Open Space / Park Zoning or Land Use (% of Segment Area) ¹¹	Residences (Count) ⁹	Residential Zoning or Land Use (Acreage) ¹¹	Residential Zoning or Land Use (% of Segment Area) ¹¹	Schools (Count) ¹⁶
200	87	0	0	0	0.0%	0	3	0	0	0.0%	87	100.0%	0	0.0%	0	61	69.9%	0
201	79	0	0	0	0.0%	0	2	0	0	0.0%	79	100.0%	0	0.0%	0	79	100.0%	0
202	114	0	0	19	16.3%	0	2	0	10	8.4%	114	100.0%	0	0.0%	0	86	75.3%	0
203	114	0	1	0	0.0%	0	6	0	0	0.0%	114	100.0%	0	0.0%	0	114	100.0%	0
204	165	0	0	0	0.0%	0	3	0	0	0.0%	165	100.0%	0	0.0%	0	65	39.5%	0
205	35	0	0	0	0.0%	0	0	0	0	0.0%	35	100.0%	0	0.0%	0	4	11.9%	0
206	192	0	0	0	0.0%	0	0	0	70	36.5%	192	100.0%	0	0.0%	0	77	40.1%	0
207	142		3	0	0.0%	0	3	0	0	0.0%	142	100.0%	0	0.0%		142	100.0%	1
208	139		0	0	0.0%	0	5	0	0	0.0%	139	100.0%	0	0.0%		139	100.0%	0
209	261		2	58	22.1%	0	2	1	13	5.1%	261	100.0%	0	0.0%		190	72.8%	1
210	108		1	0	0.0%	0	3	0	9	8.6%	108	100.0%	0	0.0%		99	91.4%	0
211	109		0	0	0.0%	0	4	0	6	5.8%	109	100.0%	0	0.0%		102	94.1%	0
212	80		0	0	0.0%	0	0	1	5	6.8%	80	100.0%	0	0.0%		67	83.0%	0
213	46		0	0	0.7%	0	0	0	17	37.9%	46	100.0%	0	0.0%		28	61.5%	0
214	130		0	48	36.6%	0	1	3	20	15.3%	130	100.0%	0	0.0%		63	48.2%	0
215	131		1	10	8.0%	0	3	1	0	0.0%	131	100.0%	0	0.0%		120	92.0%	0
216	79		1	7	9.2%	0	4	1	11	13.6%	79	100.0%	0	0.0%		61	77.1%	0
217	31		0	18	56.8%	0	0	1	1	2.4%	31	100.0%	0	0.0%		13	40.8%	0
218	109		0	79	72.3%	0	0	0	5	4.4%	109	100.0%	0	0.0%		25	23.2%	0
219	93		0	45	48.5%	0	0	0	14	15.4%	93	100.0%	0	0.0%		30	31.7%	0
220	49		0	42	85.8%	0	0	0	0	0.0%	49	100.0%	0	0.0%		7	13.8%	0
221	102		0	12	11.8%	0	0	0	19	18.7%	102	100.0%	0	0.0%		68	67.1%	0
222	212		0	0	0.0%	0	0	0	62	29.2%	212	100.0%	1	0.3%		76	36.0%	0
223	303		0	0	0.0%	0	0	0	0	0.0%	303	100.0%	0	0.0%		10	3.3%	0
224	285	36	0	0	0.0%	0	2	0	13	4.4%	285	100.0%	8	2.7%	22	42	14.8%	0
224A	104	21	0	0	0.0%	0	1	0	13	12.2%	104	100.1%	8	7.4%	17	42	40.6%	0
224B	200	15	0	0	0.0%	0	1	0	0	0.0%	200	100.1%	3	1.7%	5	0	0.0%	0
225	201	0	0	0	0.0%	0	0	0	0	0.0%	169	84.3%	0	0.0%	0	29	14.6%	0
225A	149	0	0	0	0.0%	0	0	0	0	0.0%	148	99.1%	0	0.0%	0	8	5.4%	0
225B	71	0	0	0	0.0%	0	0	0	0	0.0%	40	55.4%	0	0.0%	0	29	41.0%	0
226	216	13	0	0	0.0%	0	0	0	0	0.0%	168	77.5%	0	0.0%	3	1	0.7%	0
226A	59	0	0	0	0.0%	0	0	0	0	0.0%	10	17.7%	0	0.0%	0	1	2.4%	0
226B	175	13	0	0	0.0%	0	0	0	0	0.0%	166	94.9%	0	0.0%	3	0	0.0%	0
227	238	0	0	0	0.0%	0	0	0	0	0.0%	228	96.0%	86	36.2%	12	5	2.1%	0
228	406		3	0	0.0%	0	8	0	74	18.2%	377	92.9%	15	3.8%		210	51.8%	3
229	457		0	175	38.2%	0	0	1	157	34.3%	367	80.3%	7	1.5%		8	1.7%	0
230	145		0	105	72.0%	0	0	1	0	0.0%	145	100.0%	0	0.0%		12	8.3%	0
231	158		1	14	8.6%	0	6	0	33	21.1%	158	100.0%	2	1.2%		61	38.6%	1

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																	
		MR 7849.5910 (C) ⁵						MR 7849.5910 (D) ⁶			MR 7849.5910 (E) ⁷								
		Aggregate Locations (Count) ¹⁷	Agriculture Zoning or Land Use (Acreage) ¹¹	Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Center Pivot Irrigation Systems (Count) ¹⁸	Special Protection Agriculture Zoning or Land Use (Acreage) ¹¹	Special Protection Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Archaeological Sites (Count) ¹⁹	Historical Sites (Count) ¹⁹	NPS National Register of Historic Places (Count) ²⁰	BWSR Re-invest In Minnesota (RIM) Easements (Acreage) ²¹	BWSR Re-invest In Minnesota (RIM) Easements (% of Segment Area) ²¹	Lakes (Acreage) ²²	Lakes (% of Segment Area) ²²	Minnesota County Biological Survey Sites of Biosignificance (Acreage) ²²	Minnesota County Biological Survey Sites of Biosignificance (% of Segment Area) ²²	Minnesota Restorable Wetlands (Acreage) ²³	Minnesota Restorable Wetlands (% of Segment Area) ²³	MDNR Wildlife Management Areas (Acreage) ²²
200	87	0	26	30.0%	0	0	0	0	0	0	0	1	1.6%	3	3.5%	11	12.4%	0	0.0%
201	79	0	0	0.0%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	2	3.1%	0	0.0%
202	114	0	0	0.0%	0	0	0	0	0	0	0	3	2.4%	0	0.0%	4	3.5%	0	0.0%
203	114	0	0	0.0%	0	0	0	0	0	0	0	0	0.0%	0	0.0%	15	13.2%	0	0.0%
204	165	0	100	60.5%	0	0	0	0	0	0	0	1	0.6%	55	33.6%	67	40.4%	0	0.0%
205	35	0	26	72.8%	0	3	8.0%	0	0	0	0	0	0.0%	0	0.0%	3	7.5%	0	0.0%
206	192	0	44	23.0%	0	0	0.0%	0	0	0	0	0	0.0%	1	0.7%	1	0.6%	0	0.0%
207	142	0	0	0.0%	0	0	0.0%	0	0	0	0	0	0.0%	0	0.0%	6	4.2%	0	0.0%
208	139	0	0	0.0%	0	0	0.0%	0	0	0	0	0	0.3%	0	0.0%	4	2.5%	0	0.0%
209	261	1	0	0.0%	0	0	0.0%	0	0	0	0	4	1.4%	0	0.0%	6	2.2%	0	0.0%
210	108	0	0	0.0%	0	0	0.0%	0	0	0	0	0	0.4%	0	0.0%	0	0.0%	0	0.0%
211	109	0	0	0.0%	0	0	0.0%	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%
212	80	0	8	10.2%	0	0	0.0%	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%
213	46	0	0	0.0%	0	0	0.0%	0	0	0	0	0	0.0%	0	0.0%	0	0.8%	0	0.0%
214	130	0	0	0.0%	0	0	0.0%	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%
215	131	0	0	0.0%	0	0	0.0%	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%
216	79	0	0	0.0%	0	0	0.0%	0	0	0	0	0	0.5%	0	0.0%	0	0.0%	0	0.0%
217	31	0	0	0.0%	0	0	0.0%	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%
218	109	0	0	0.0%	0	0	0.0%	0	0	0	0	4	3.5%	0	0.0%	0	0.0%	0	0.0%
219	93	0	0	0.0%	0	0	0.0%	0	0	0	0	0	0.2%	0	0.0%	0	0.0%	0	0.0%
220	49	0	0	0.0%	0	0	0.0%	0	0	0	0	0	0.5%	0	0.0%	0	0.0%	0	0.0%
221	102	0	0	0.0%	0	0	0.0%	0	0	0	0	5	4.8%	0	0.0%	4	3.9%	0	0.0%
222	212	0	34	16.2%	0	22	10.4%	0	0	0	0	0	0.0%	0	0.2%	8	3.9%	0	0.0%
223	303	0	87	28.6%	0	207	68.2%	0	0	0	0	1	0.5%	0	0.0%	27	8.9%	0	0.0%
224	285	0	36	12.7%	0	186	65.4%	0	0	0	0	0	0.1%	0	0.0%	59	20.8%	0	0.0%
224A	104	0	31	30.3%	0	10	9.4%	0	0	0	0	0	0.2%	0	0.0%	13	12.5%	0	0.0%
224B	200	0	10	4.9%	0	186	93.4%	0	0	0	0	0	0.0%	0	0.0%	54	27.2%	0	0.0%
225	201	0	121	60.2%	0	36	18.0%	0	0	0	0	0	0.1%	0	0.0%	19	9.4%	0	0.0%
225A	149	0	104	69.4%	0	36	24.1%	0	0	0	0	0	0.1%	0	0.0%	16	10.6%	0	0.0%
225B	71	0	24	33.3%	0	4	5.4%	0	0	0	0	0	0.0%	0	0.0%	4	5.4%	0	0.0%
226	216	0	49	22.8%	0	139	64.1%	0	0	0	0	8	3.7%	0	0.0%	27	12.4%	0	0.0%
226A	59	0	38	63.6%	0	8	13.9%	0	0	0	0	0	0.0%	0	0.0%	3	5.4%	0	0.0%
226B	175	0	17	9.5%	0	137	78.0%	0	0	0	0	8	4.6%	0	0.0%	34	19.2%	0	0.0%
227	238	0	14	6.0%	0	128	53.9%	0	0	0	0	0	0.1%	143	60.0%	30	12.5%	0	0.0%
228	406	0	12	2.9%	0	51	12.6%	0	0	0	0	1	0.2%	26	6.4%	35	8.7%	0	0.0%
229	457	1	29	6.3%	0	0	0.0%	0	0	0	0	5	1.1%	35	7.6%	85	18.7%	0	0.0%
230	145	0	0	0.0%	0	0	0.0%	0	0	0	0	0	0.1%	0	0.0%	0	0.0%	0	0.0%
231	158	0	0	0.0%	0	0	0.0%	0	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																	
		MR 7849.5910 (E) ⁷												MR7849.5910 (F) ⁸		Other			
		MDNR Scientific and Natural Areas (Acreage) ²²	MDNR Scientific and Natural Areas (% of Segment Area) ²²	State Wild and Scenic River Districts (Acreage) ²²	State Wild and Scenic River Districts (% of Segment Area) ²²	Stream Crossings (Count) ²²	Trout Stream Crossings (Count) ²²	USFWS Conservation Easements (Acreage) ²⁴	USFWS Conservation Easements (% of Segment Area) ²⁴	USFWS National Wetland Inventory (NWI) Wetlands (Acreage) ²⁵	USFWS National Wetland Inventory (NWI) Wetlands (% of Segment Area) ²⁵	Wooded Areas (Acreage) ²⁶	Wooded Areas (% of Segment Area) ²⁶	State Listed Threatened, Endangered or Candidate Species Known Occurrences (Count) ²⁷	Airports (Count) ²⁸	FCC Antenna Structures (Count) ²⁹	Cemeteries (Count) ¹⁰	County Identified Municipal Zoning or Land Use (Acreage) ¹¹	County Identified Municipal Zoning or Land Use (% of Segment Area) ¹¹
200	87	0	0.0%	0	0.0%	0	0	0	0.0%	15	17.2%	8	8.9%	0	0	0	0	0	0.0%
201	79	0	0.0%	0	0.0%	0	0	0	0.0%	1	0.9%	3	3.8%	0	0	0	0	0	0.0%
202	114	0	0.0%	0	0.0%	0	0	0	0.0%	20	17.3%	1	1.3%	0	0	0	0	0	0.0%
203	114	0	0.0%	0	0.0%	0	0	0	0.0%	24	21.4%	20	17.8%	0	0	0	0	0	0.0%
204	165	0	0.0%	0	0.0%	0	0	0	0.0%	52	31.4%	42	25.6%	1	0	0	0	0	0.0%
205	35	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.2%	0	0.0%	0	0	0	0	0	0.0%
206	192	0	0.0%	0	0.0%	0	0	0	0.0%	1	0.6%	3	1.6%	1	0	0	0	0	0.0%
207	142	0	0.0%	0	0.0%	0	0	0	0.0%	14	10.1%	4	2.6%	0	0	0	0	0	0.0%
208	139	0	0.0%	0	0.0%	0	0	0	0.0%	9	6.3%	0	0.0%	0	0	0	1	0	0.0%
209	261	0	0.0%	0	0.0%	0	0	0	0.0%	5	2.0%	0	0.0%	1	0	1	1	0	0.0%
210	108	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.4%	5	4.4%	0	0	0	0	0	0.0%
211	109	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	1	0	0	0.0%
212	80	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.1%	0	0.0%	0	0	0	0	0	0.0%
213	46	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.8%	0	0.0%	0	0	0	0	0	0.0%
214	130	0	0.0%	0	0.0%	0	0	0	0.0%	1	1.1%	0	0.0%	0	0	0	0	0	0.0%
215	131	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0	0.0%
216	79	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.5%	6	7.6%	0	0	0	0	0	0.0%
217	31	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0	0.0%
218	109	0	0.0%	0	0.0%	0	0	0	0.0%	5	4.8%	6	5.7%	0	0	0	0	0	0.0%
219	93	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.2%	0	0.0%	0	0	0	0	0	0.0%
220	49	0	0.0%	0	0.0%	0	0	0	0.0%	2	3.1%	0	0.0%	0	0	0	0	0	0.0%
221	102	0	0.0%	0	0.0%	0	0	0	0.0%	13	12.9%	0	0.0%	0	0	0	0	0	0.0%
222	212	0	0.0%	0	0.0%	0	0	0	0.0%	5	2.2%	0	0.0%	0	0	0	0	0	0.0%
223	303	0	0.0%	0	0.0%	0	0	14	4.7%	20	6.5%	49	16.0%	0	0	0	0	0	0.0%
224	285	0	0.0%	0	0.0%	2	0	0	0.0%	56	19.7%	12	4.0%	0	0	0	0	0	0.0%
224A	104	0	0.0%	0	0.0%	2	0	0	0.0%	23	22.6%	2	1.8%	0	0	0	0	0	0.0%
224B	200	0	0.0%	0	0.0%	1	0	0	0.0%	43	21.5%	12	5.8%	0	0	0	0	0	0.0%
225	201	0	0.0%	0	0.0%	2	0	0	0.0%	45	22.4%	5	2.4%	0	0	0	0	14	7.1%
225A	149	0	0.0%	0	0.0%	1	0	0	0.0%	25	16.8%	3	2.2%	0	0	0	0	2	1.0%
225B	71	0	0.0%	0	0.0%	1	0	0	0.0%	21	29.7%	2	2.2%	0	0	0	0	14	20.1%
226	216	0	0.0%	0	0.0%	2	1	0	0.0%	61	28.2%	8	3.7%	0	0	0	0	11	5.0%
226A	59	0	0.0%	0	0.0%	1	0	0	0.0%	18	31.2%	1	1.8%	0	0	0	0	11	18.3%
226B	175	0	0.0%	0	0.0%	1	1	0	0.0%	0	0.0%	67	38.3%	0	0	0	0	4	2.3%
227	238	63	26.6%	0	0.0%	0	0	0	0.0%	19	7.8%	130	54.7%	0	0	0	0	0	0.0%
228	406	0	0.0%	0	0.0%	0	0	0	0.0%	37	9.1%	31	7.7%	0	0	0	0	0	0.0%
229	457	0	0.0%	0	0.0%	2	0	0	0.0%	87	19.0%	17	3.8%	0	0	0	0	0	0.0%
230	145	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.1%	0	0.0%	0	0	0	0	0	0.0%
231	158	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Other				
		Floodplain (Acreage) ³⁰	Floodplain (% of Segment Area) ³⁰	Landfills / Dumps (Count) ³¹	USDA Conservation Reserve Program (CRP) Land (Acreage) ³²	USDA Conservation Reserve Program (CRP) Land (% of Segment Area) ³²
200	87	0	0.0%	0	0	0.0%
201	79	0	0.0%	0	0	0.0%
202	114	0	0.0%	0	0	0.0%
203	114	0	0.0%	0	0	0.0%
204	165	0	0.0%	0	0	0.0%
205	35	0	0.0%	0	0	0.0%
206	192	0	0.0%	0	0	0.0%
207	142	0	0.0%	0	0	0.0%
208	139	0	0.0%	0	0	0.0%
209	261	0	0.0%	0	0	0.0%
210	108	0	0.0%	0	0	0.0%
211	109	0	0.0%	0	0	0.0%
212	80	0	0.0%	0	0	0.0%
213	46	0	0.0%	0	0	0.0%
214	130	0	0.0%	0	0	0.0%
215	131	0	0.0%	0	0	0.0%
216	79	0	0.0%	0	0	0.0%
217	31	0	0.0%	0	0	0.0%
218	109	0	0.0%	0	0	0.0%
219	93	0	0.0%	0	0	0.0%
220	49	0	0.0%	0	0	0.0%
221	102	0	0.0%	0	0	0.0%
222	212	0	0.0%	0	0	0.0%
223	303	0	0.0%	0	2	0.6%
224	285	0	0.0%	0	14	5.0%
224A	104	0	0.0%	0	0	0.0%
224B	200	0	0.0%	0	14	7.2%
225	201	0	0.0%	0	0	0.0%
225A	149	0	0.0%	0	0	0.0%
225B	71	0	0.0%	0	0	0.0%
226	216	0	0.0%	0	0	0.0%
226A	59	0	0.0%	0	0	0.0%
226B	175	0	0.0%	0	0	0.0%
227	238	0	0.0%	0	0	0.0%
228	406	0	0.0%	1	0	0.0%
229	457	0	0.0%	1	0	0.0%
230	145	0	0.0%	2	0	0.0%
231	158	0	0.0%	0	0	0.0%

Assumptions / Data Sources:

- Route Segments are generally 1,000 feet wide (500 feet each side of the opportunity paralleled). For divided lane highways, 500 feet from the middle of the two lanes each direction traveled.
- This table only includes the sensitivities or impacts that occur along at least one of the Route Segments.
- Minnesota Rules Chapter 7849 list the factors that should be considered for transmission line siting.
- MR7849.5910 (A): effects on human settlement, including, but not limited to, displacement, noise, aesthetics, cultural values, recreation, and public services.
- MR7849.5910 (C): effects on land-based economies, including, but not limited to, agriculture, forestry, tourism, and mining.
- MR7849.5910 (D): effects on archaeological and historic resources.
- MR7849.5910 (E): effects on the natural environment, including effects on air and water quality resources and flora and fauna.
- MR7849.5910 (F): effects on rare and unique natural resources.
- Non-Residential Buildings or Structures and Residences were identified during field investigations and using 2006 and 2008 NAIP aerial photographs. Counts were only performed for Route Segments that were carried forward as Potential Route Alternatives or identified thereafter. Segments that did not have counts performed are shaded in grey.
- Churches and cemeteries were identified from the USGS GNIS dataset.
- Land Use and Zoning data was acquired from counties and cities within the Project area. The dataset that these numbers were based on is the compilation of all of these datasets. The land use and zoning categories above may not be the exact same categories used by the original datasets due to the need to create a complete and uniform dataset for the entire Project area.
- County trails data was obtained from Stearns County and Wright County.
- Daycare location data was obtained from the MDHS. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Hospital location data was obtained from the MDPH. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Population Centers were identified using municipality boundary data from the MDNR Data Deli and updated using municipal boundary maps provided by cities within the Project area.
- School location data was obtained from the MDOE. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Aggregate Source location data was obtained from the MnDOT.
- Center Pivot Irrigation Systems were identified using 2006 and 2008 NAIP aerial photographs.
- Cultural Resource data was obtained from the Minnesota SHPO.
- NPS NRHP data was obtained from the NPS.
- BWSR RIM easements were obtained from the Minnesota BWSR.
- These datasets were obtained from the MDNR Data Deli.
- Restorable Wetlands data was obtained from the Restorable Wetlands Working Group.
- USFWS Conservation Easement data was obtained from the USFWS Region 6 Realty Office.
- USFWS NWI Wetlands data was obtained from the USFWS Wetland Mapper website.
- Wooded Areas were identified using the USGS 2001 NLCD.
- State listed T&E species were identified using a dataset licensed from the MDNR for this Project.
- Airports were identified using Airnav.com.
- FCC Antenna Structures data was obtained from the FCC ASR database.
- 100-year Floodplains were identified from FEMA FIRM Digital data.
- Landfills/Dumps were identified from data obtained from the MPCA.
- USDA Conservation Reserve Program data was obtained from the USDA FSA.

		Minnesota Rules Chapter 7849 ³																
		MR 7849.5910 (A) ⁴																
Segment ¹	Segment Area (Acres) ¹	Buildings or Structures, Non-Residential (Count) ⁹	Churches (Count) ¹⁰	Commercial / Business / Institutional / Public Zoning or Land Use (Acres) ¹¹	Commercial / Business / Institutional / Public Zoning or Land Use (% of Segment Area) ¹¹	County Trails (Count) ¹²	Daycare Facilities (Count) ¹³	Hospitals (Count) ¹⁴	Industrial Zoning or Land Use (Acreage) ¹¹	Industrial Zoning or Land Use (% of Segment Area) ¹¹	Population Centers (Acreage) ¹⁵	Population Centers (% of Segment Area) ¹⁵	Recreational / Open Space / Park Zoning or Land Use (Acreage) ¹¹	Recreational / Open Space / Park Zoning or Land Use (% of Segment Area) ¹¹	Residences (Count) ⁹	Residential Zoning or Land Use (Acreage) ¹¹	Residential Zoning or Land Use (% of Segment Area) ¹¹	Schools (Count) ¹⁶
232	299		0	11	3.7%	0	2	0	171	57.3%	299	100.0%	20	6.6%		78	26.2%	0
233	427		0	14	3.2%	0	2	0	291	68.2%	330	77.4%	16	3.8%		88	20.5%	0
234	298		0	87	29.1%	0	2	0	27	9.0%	217	72.9%	43	14.6%		41	13.8%	0
235	48		0	0	0.0%	0	1	0	36	76.4%	48	100.0%	0	0.0%		2	4.7%	0
236	134		0	4	3.2%	0	0	0	117	86.9%	38	28.6%	0	0.0%		0	0.0%	0
237	145		0	4	2.6%	0	0	0	139	96.2%	50	34.4%	0	0.0%		2	1.2%	0
238	109		0	0	0.0%	0	0	0	77	70.5%	29	26.9%	6	5.9%		0	0.0%	0
239	58		0	11	18.2%	0	0	0	26	44.6%	0	0.0%	6	9.7%		0	0.0%	0
240	61		0	32	53.4%	0	0	0	28	46.2%	0	0.0%	0	0.0%		0	0.0%	0
241	244		0	30	12.2%	0	0	0	29	12.0%	0	0.0%	0	0.0%		0	0.0%	0
242	20	2	0	0	0.0%	0	0	0	7	34.3%	0	0.0%	0	0.0%	0	0	0.0%	0
243	171	10	0	0	0.0%	0	0	0	18	10.5%	8	4.9%	0	0.0%	15	24	14.2%	0
244	327		0	30	9.0%	0	0	0	175	53.5%	241	73.9%	7	2.1%		10	3.1%	0
245	188	1	0	0	0.0%	0	0	0	0	0.0%	3	1.4%	1	0.6%	2	3	1.4%	0
246	216	10	0	0	0.0%	0	0	0	50	23.0%	0	0.0%	11	5.3%	0	0	0.0%	0
247	536	18	0	9	1.7%	0	0	0	133	24.9%	294	54.8%	68	12.7%	0	19	3.5%	0
247A	254	7	0	9	3.4%	0	0	0	4	1.4%	12	4.8%	44	17.3%	0	0	0.0%	0
247B	302	15	0	9	3.0%	0	0	0	133	44.2%	293	97.1%	33	10.9%	0	19	6.2%	0
248	92		0	0	0.0%	0	0	0	0	0.0%	92	100.0%	0	0.0%		0	0.0%	0
249	128	13	0	0	0.0%	0	0	0	0	0.0%	128	100.0%	0	0.0%	2	0	0.0%	0
250	140		0	0	0.0%	0	0	0	0	0.0%	140	100.0%	0	0.0%		0	0.0%	0
251	97		0	0	0.0%	0	0	0	0	0.0%	97	100.0%	0	0.0%		0	0.0%	0
252	96	6	0	0	0.0%	0	1	0	0	0.0%	96	100.0%	0	0.0%	3	0	0.3%	0
253	144		0	0	0.0%	0	0	0	0	0.0%	144	100.0%	0	0.0%		0	0.0%	0
254	492		0	0	0.0%	0	0	0	91	18.5%	388	79.0%	3	0.6%		25	5.2%	0
255	1064		0	32	3.0%	0	6	0	282	26.5%	566	53.2%	43	4.0%		144	13.5%	0
255A	222	5	0	5	2.3%	0	0	0	5	2.0%	10	4.4%	24	11.0%	23	0	0.0%	0
256	127		0	0	0.0%	0	0	0	0	0.0%	127	100.0%	0	0.0%		1	0.6%	0
257	105	2	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	0	0.0%	0
258	190	10	0	0	0.0%	0	0	0	44	23.2%	0	0.0%	0	0.0%	2	0	0.0%	0
259	474		0	181	38.3%	0	0	0	0	0.0%	0	0.0%	0	0.0%		0	0.0%	0
260	120		0	110	92.1%	0	0	0	9	7.2%	13	10.5%	0	0.0%		0	0.0%	0
261	20		0	5	23.1%	0	0	0	15	76.9%	0	0.0%	0	0.0%		0	0.0%	0
262	24		0	10	41.6%	0	0	0	14	58.4%	0	0.0%	0	0.0%		0	0.0%	0
263	106		0	96	90.5%	0	0	0	10	9.4%	18	17.4%	0	0.0%		0	0.0%	0
264	182		0	136	74.9%	2	0	0	40	22.2%	94	51.5%	0	0.0%		5	2.8%	0
265	89		0	64	72.0%	2	0	0	8	9.5%	81	91.6%	0	0.0%		16	18.0%	0
266	94		0	61	65.0%	1	1	0	1	1.0%	80	85.3%	0	0.0%		31	33.6%	0

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																		
		MR 7849.5910 (C) ⁵						MR 7849.5910 (D) ⁶			MR 7849.5910 (E) ⁷									
		Aggregate Locations (Count) ¹⁷	Agriculture Zoning or Land Use (Acreage) ¹¹	Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Center Pivot Irrigation Systems (Count) ¹⁸	Special Protection Agriculture Zoning or Land Use (Acreage) ¹¹	Special Protection Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Archaeological Sites (Count) ¹⁹	Historical Sites (Count) ¹⁹	NPS National Register of Historic Places (Count) ²⁰	BWSR Re-invest In Minnesota (RIM) Easements (Acreage) ²¹	BWSR Re-invest In Minnesota (RIM) Easements (% of Segment Area) ²¹	Lakes (Acreage) ²²	Lakes (% of Segment Area) ²²	Minnesota County Biological Survey Sites of Biosignificance (Acreage) ²²	Minnesota County Biological Survey Sites of Biosignificance (% of Segment Area) ²²	Minnesota Restorable Wetlands (Acreage) ²³	Minnesota Restorable Wetlands (% of Segment Area) ²³	MDNR Wildlife Management Areas (Acreage) ²²	MDNR Wildlife Management Areas (Acreage) ²²
232	299	0	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	4	1.4%	0	0.0%	20	6.6%	0	0.0%
233	427	1	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	4	1.0%	0	0.0%	32	7.4%	0	0.0%
234	298	0	40	13.5%	0	0	0.0%	0	0	0	0	0.0%	8	2.8%	0	0.0%	11	3.7%	0	0.0%
235	48	0	9	18.9%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	26	55.1%	0	0.0%
236	134	0	13	9.8%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	24	18.2%	0	0.0%
237	145	1	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	18	12.2%	0	0.0%
238	109	0	26	23.6%	0	0	0.0%	0	0	0	0	0.0%	0	0.3%	0	0.0%	64	58.7%	0	0.0%
239	58	0	16	27.5%	0	0	0.0%	0	0	0	0	0.0%	1	1.1%	0	0.0%	38	65.7%	0	0.0%
240	61	0	0	0.4%	0	0	0.0%	0	0	0	0	0.0%	0	0.5%	0	0.0%	41	66.9%	0	0.0%
241	244	0	175	71.6%	0	0	0.0%	0	0	0	0	0.0%	22	9.0%	0	0.0%	147	60.2%	0	0.0%
242	20	0	13	65.1%	0	0	0.0%	0	0	0	0	0.0%	11	55.4%	0	0.0%	16	77.1%	0	0.0%
243	171	0	120	69.9%	0	8	4.6%	0	0	0	0	0.0%	2	1.2%	0	0.0%	77	44.7%	0	0.0%
244	327	1	24	7.4%	0	0	0.0%	0	0	0	0	0.0%	5	1.4%	24	7.5%	61	18.8%	0	0.0%
245	188	0	150	80.0%	0	0	0.0%	0	0	0	0	0.0%	6	3.0%	0	0.0%	4	1.9%	0	0.0%
246	216	0	155	71.5%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	48	22.1%	0	0.0%
247	536	1	299	55.8%	0	7	1.2%	1	0	0	0	0.0%	3	0.6%	0	0.0%	65	12.2%	0	0.0%
247A	254	0	198	77.8%	0	0	0.0%	1	0	0	0	0.0%	0	0.0%	0	0.0%	55	21.6%	0	0.0%
247B	302	1	101	33.5%	0	7	2.2%	0	0	0	0	0.0%	3	1.1%	0	0.0%	11	3.5%	0	0.0%
248	92	0	5	5.4%	0	87	94.6%	0	0	0	0	0.0%	0	0.0%	0	0.0%	11	12.1%	0	0.0%
249	128	0	66	51.9%	0	61	48.1%	0	0	0	0	0.0%	6	4.6%	0	0.0%	9	7.2%	0	0.0%
250	140	0	0	0.0%	0	140	100.0%	0	0	0	0	0.0%	3	2.1%	0	0.0%	8	6.0%	0	0.0%
251	97	0	12	12.1%	0	85	87.9%	0	0	0	0	0.0%	3	3.1%	0	0.0%	0	0.1%	0	0.0%
252	96	0	55	56.9%	0	41	42.7%	0	0	0	0	0.0%	13	13.7%	0	0.0%	4	4.4%	0	0.0%
253	144	0	8	5.8%	1	136	94.2%	0	0	0	0	0.0%	6	4.3%	0	0.0%	2	1.5%	0	0.0%
254	492	0	186	37.9%	0	185	37.6%	3	0	0	0	0.0%	18	3.7%	52	10.6%	32	6.5%	0	0.0%
255	1064	1	265	24.9%	0	166	15.6%	5	11	0	0	0.0%	36	3.3%	51	4.8%	16	1.5%	0	0.0%
255A	222	0	188	84.5%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	2	0.9%	0	0.0%
256	127	0	68	53.5%	0	58	45.9%	0	0	0	0	0.0%	2	1.9%	0	0.0%	1	0.5%	0	0.0%
257	105	0	105	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	8	7.7%	0	0.0%
258	190	1	145	76.5%	0	0	0.0%	0	0	0	0	0.0%	0	0.1%	0	0.0%	25	13.3%	0	0.0%
259	474	0	264	55.8%	0	0	0.0%	1	0	0	0	0.0%	9	2.0%	0	0.0%	38	8.1%	0	0.0%
260	120	0	1	0.7%	0	0	0.0%	0	0	0	0	0.0%	1	0.8%	0	0.0%	59	49.5%	0	0.0%
261	20	0	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	5.3%	0	0.0%
262	24	0	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	14.1%	0	0.0%
263	106	0	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	17	16.0%	0	0.0%
264	182	0	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	16	8.7%	0	0.0%
265	89	0	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	1.0%	0	0.0%
266	94	0	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.4%	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																	
		MR 7849.5910 (E) ⁷												MR7849.5910 (F) ⁸		Other			
		MDNR Scientific and Natural Areas (Acreage) ²²	MDNR Scientific and Natural Areas (% of Segment Area) ²²	State Wild and Scenic River Districts (Acreage) ²²	State Wild and Scenic River Districts (% of Segment Area) ²²	Stream Crossings (Count) ²²	Trout Stream Crossings (Count) ²²	USFWS Conservation Easements (Acreage) ²⁴	USFWS Conservation Easements (% of Segment Area) ²⁴	USFWS National Wetland Inventory (NWI) Wetlands (Acreage) ²⁵	USFWS National Wetland Inventory (NWI) Wetlands (% of Segment Area) ²⁵	Wooded Areas (Acreage) ²⁶	Wooded Areas (% of Segment Area) ²⁶	State Listed Threatened, Endangered or Candidate Species Known Occurrences (Count) ²⁷	Airports (Count) ²⁸	FCC Antenna Structures (Count) ²⁹	Cemeteries (Count) ¹⁰	County Identified Municipal Zoning or Land Use (Acreage) ¹¹	County Identified Municipal Zoning or Land Use (% of Segment Area) ¹¹
232	299	0	0.0%	0	0.0%	1	0	0	0.0%	9	3.1%	12	3.9%	0	0	0	0	0	0.0%
233	427	0	0.0%	0	0.0%	1	0	0	0.0%	18	4.2%	13	3.0%	0	0	1	0	0	0.0%
234	298	0	0.0%	0	0.0%	1	0	0	0.0%	23	7.6%	19	6.3%	0	0	0	0	0	0.0%
235	48	0	0.0%	0	0.0%	0	0	0	0.0%	10	21.8%	4	9.1%	0	0	0	0	0	0.0%
236	134	0	0.0%	0	0.0%	0	0	0	0.0%	14	10.4%	6	4.4%	0	0	0	0	0	0.0%
237	145	0	0.0%	0	0.0%	0	0	0	0.0%	13	8.9%	1	0.7%	0	0	0	0	0	0.0%
238	109	0	0.0%	0	0.0%	0	0	0	0.0%	58	52.7%	27	24.4%	0	0	0	0	0	0.0%
239	58	0	0.0%	0	0.0%	0	0	0	0.0%	36	61.3%	8	13.6%	0	0	0	0	0	0.0%
240	61	0	0.0%	0	0.0%	0	0	0	0.0%	42	68.6%	1	1.1%	0	0	0	0	0	0.0%
241	244	0	0.0%	0	0.0%	4	0	0	0.0%	97	39.8%	36	14.5%	0	0	0	0	0	0.0%
242	20	0	0.0%	0	0.0%	0	0	0	0.0%	11	52.0%	1	6.5%	0	0	0	0	0	0.0%
243	171	0	0.0%	0	0.0%	1	0	0	0.0%	47	27.4%	15	8.9%	0	0	0	0	0	0.0%
244	327	0	0.0%	0	0.0%	2	0	0	0.0%	46	14.2%	14	4.3%	0	0	0	0	0	0.0%
245	188	0	0.0%	0	0.0%	2	0	0	0.0%	59	31.2%	27	14.4%	0	0	0	0	34	17.9%
246	216	0	0.0%	0	0.0%	1	0	0	0.0%	88	40.5%	19	8.6%	0	0	0	0	0	0.0%
247	536	0	0.0%	0	0.0%	1	0	0	0.0%	64	12.0%	62	11.7%	0	0	0	0	0	0.0%
247A	254	0	0.0%	0	0.0%	1	0	0	0.0%	53	20.8%	45	17.7%	0	0	0	0	0	0.0%
247B	302	0	0.0%	0	0.0%	0	0	0	0.0%	11	3.7%	18	5.8%	0	0	0	0	0	0.0%
248	92	0	0.0%	0	0.0%	0	0	0	0.0%	4	4.7%	7	7.7%	0	0	0	0	0	0.0%
249	128	0	0.0%	0	0.0%	0	0	0	0.0%	11	8.6%	14	10.9%	0	0	0	0	0	0.0%
250	140	0	0.0%	0	0.0%	0	0	0	0.0%	11	8.0%	24	16.9%	0	0	0	0	0	0.0%
251	97	0	0.0%	0	0.0%	0	0	0	0.0%	5	5.4%	6	6.3%	0	0	0	0	0	0.0%
252	96	0	0.0%	0	0.0%	0	0	0	0.0%	23	23.8%	18	18.4%	0	0	0	0	0	0.0%
253	144	0	0.0%	0	0.0%	0	0	0	0.0%	11	7.8%	12	8.6%	0	0	0	0	0	0.0%
254	492	14	2.9%	0	0.0%	5	0	0	0.0%	81	16.5%	118	24.1%	0	0	0	0	0	0.0%
255	1064	17	1.6%	0	0.0%	6	0	0	0.0%	136	12.8%	163	15.4%	0	0	0	0	130	12.2%
255A	222	0	0.0%	0	0.0%	2	0	0	0.0%	51	22.8%	45	20.2%	0	0	0	0	0	0.0%
256	127	0	0.0%	0	0.0%	0	0	0	0.0%	4	3.5%	60	46.9%	0	0	0	0	0	0.0%
257	105	0	0.0%	0	0.0%	1	0	0	0.0%	23	21.7%	32	30.3%	0	0	0	0	0	0.0%
258	190	0	0.0%	0	0.0%	1	0	0	0.0%	29	15.4%	50	26.4%	0	0	0	0	0	0.0%
259	474	0	0.0%	0	0.0%	5	0	0	0.0%	44	9.2%	97	20.4%	0	0	0	0	28	5.9%
260	120	0	0.0%	0	0.0%	0	0	0	0.0%	52	43.8%	5	4.4%	0	0	0	0	0	0.0%
261	20	0	0.0%	0	0.0%	0	0	0	0.0%	3	14.4%	0	0.0%	0	0	0	0	0	0.0%
262	24	0	0.0%	0	0.0%	0	0	0	0.0%	5	22.3%	0	0.0%	0	0	0	0	0	0.0%
263	106	0	0.0%	0	0.0%	0	0	0	0.0%	16	15.5%	0	0.0%	0	0	0	0	0	0.0%
264	182	0	0.0%	0	0.0%	0	0	0	0.0%	13	7.1%	0	0.0%	0	0	0	0	0	0.0%
265	89	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.5%	0	0.0%	0	0	0	0	0	0.0%
266	94	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.5%	0	0.0%	0	0	0	0	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Other				
		Floodplain (Acreage) ³⁰	Floodplain (% of Segment Area) ³⁰	Landfills / Dumps (Count) ³¹	USDA Conservation Reserve Program (CRP) Land (Acreage) ³²	USDA Conservation Reserve Program (CRP) Land (% of Segment Area) ³²
232	299	16	5.4%	3	0	0.0%
233	427	17	4.0%	2	0	0.0%
234	298	80	26.7%	0	0	0.0%
235	48	0	0.0%	0	0	0.0%
236	134	0	0.0%	0	0	0.0%
237	145	0	0.0%	0	0	0.0%
238	109	1	0.8%	0	0	0.0%
239	58	1	2.5%	0	0	0.0%
240	61	0	0.0%	0	0	0.0%
241	244	95	38.9%	0	0	0.0%
242	20	0	0.0%	0	0	0.0%
243	171	0	0.0%	0	0	0.0%
244	327	0	0.0%	0	0	0.0%
245	188	0	0.0%	0	0	0.0%
246	216	0	0.0%	0	0	0.0%
247	536	0	0.0%	0	11	2.0%
247A	254	0	0.0%	0	0	0.0%
247B	302	0	0.0%	0	11	3.6%
248	92	0	0.0%	0	0	0.0%
249	128	0	0.0%	0	0	0.0%
250	140	0	0.0%	0	0	0.0%
251	97	0	0.0%	0	0	0.0%
252	96	0	0.0%	0	0	0.0%
253	144	0	0.0%	0	0	0.0%
254	492	55	11.2%	1	0	0.0%
255	1064	125	11.7%	3	0	0.0%
255A	222	0	0.0%	0	0	0.0%
256	127	0	0.0%	0	0	0.0%
257	105	0	0.0%	0	0	0.0%
258	190	0	0.0%	0	0	0.0%
259	474	40	8.4%	0	13	2.7%
260	120	0	0.0%	0	0	0.0%
261	20	0	0.0%	0	0	0.0%
262	24	0	0.0%	0	0	0.0%
263	106	0	0.0%	0	0	0.0%
264	182	0	0.0%	0	0	0.0%
265	89	0	0.0%	0	0	0.0%
266	94	0	0.0%	0	0	0.0%

Assumptions / Data Sources:

- Route Segments are generally 1,000 feet wide (500 feet each side of the opportunity paralleled). For divided lane highways, 500 feet from the middle of the two lanes each direction traveled.
- This table only includes the sensitivities or impacts that occur along at least one of the Route Segments.
- Minnesota Rules Chapter 7849 list the factors that should be considered for transmission line siting.
- MR7849.5910 (A): effects on human settlement, including, but not limited to, displacement, noise, aesthetics, cultural values, recreation, and public services.
- MR7849.5910 (C): effects on land-based economies, including, but not limited to, agriculture, forestry, tourism, and mining.
- MR7849.5910 (D): effects on archaeological and historic resources.
- MR7849.5910 (E): effects on the natural environment, including effects on air and water quality resources and flora and fauna.
- MR7849.5910 (F): effects on rare and unique natural resources.
- Non-Residential Buildings or Structures and Residences were identified during field investigations and using 2006 and 2008 NAIP aerial photographs. Counts were only performed for Route Segments that were carried forward as Potential Route Alternatives or identified thereafter. Segments that did not have counts performed are shaded in grey.
- Churches and cemeteries were identified from the USGS GNIS dataset.
- Land Use and Zoning data was acquired from counties and cities within the Project area. The dataset that these numbers were based on is the compilation of all of these datasets. The land use and zoning categories above may not be the exact same categories used by the original datasets due to the need to create a complete and uniform dataset for the entire Project area.
- County trails data was obtained from Stearns County and Wright County.
- Daycare location data was obtained from the MDHS. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Hospital location data was obtained from the MDPH. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Population Centers were identified using municipality boundary data from the MDNR Data Deli and updated using municipal boundary maps provided by cities within the Project area.
- School location data was obtained from the MDOE. This dataset may be incomplete as not all addresses were able to be matched to a geographic location.
- Aggregate Source location data was obtained from the MnDOT.
- Center Pivot Irrigation Systems were identified using 2006 and 2008 NAIP aerial photographs.
- Cultural Resource data was obtained from the Minnesota SHPO.
- NPS NRHP data was obtained from the NPS.
- BWSR RIM easements were obtained from the Minnesota BWSR.
- These datasets were obtained from the MDNR Data Deli.
- Restorable Wetlands data was obtained from the Restorable Wetlands Working Group.
- USFWS Conservation Easement data was obtained from the USFWS Region 6 Realty Office.
- USFWS NWI Wetlands data was obtained from the USFWS Wetland Mapper website.
- Wooded Areas were identified using the USGS 2001 NLCD.
- State listed T&E species were identified using a dataset licensed from the MDNR for this Project.
- Airports were identified using Airnav.com.
- FCC Antenna Structures data was obtained from the FCC ASR database.
- 100-year Floodplains were identified from FEMA FIRM Digital data.
- Landfills/Dumps were identified from data obtained from the MPCA.
- USDA Conservation Reserve Program data was obtained from the USDA FSA.

		Minnesota Rules Chapter 7849 ³																
		MR 7849.5910 (A) ⁴																
Segment ¹	Segment Area (Acres) ¹	Buildings or Structures, Non-Residential (Count) ⁹	Churches (Count) ¹⁰	Commercial / Business / Institutional / Public Zoning or Land Use (Acres) ¹¹	Commercial / Business / Institutional / Public Zoning or Land Use (% of Segment Area) ¹¹	County Trails (Count) ¹²	Daycare Facilities (Count) ¹³	Hospitals (Count) ¹⁴	Industrial Zoning or Land Use (Acreage) ¹¹	Industrial Zoning or Land Use (% of Segment Area) ¹¹	Population Centers (Acreage) ¹⁵	Population Centers (% of Segment Area) ¹⁵	Recreational / Open Space / Park Zoning or Land Use (Acreage) ¹¹	Recreational / Open Space / Park Zoning or Land Use (% of Segment Area) ¹¹	Residences (Count) ⁹	Residential Zoning or Land Use (Acreage) ¹¹	Residential Zoning or Land Use (% of Segment Area) ¹¹	Schools (Count) ¹⁶
267	27		0	15	56.0%	2	0	0	0	0.0%	27	100.0%	0	0.0%		12	44.0%	0
268	135		0	96	70.6%	3	0	0	2	1.8%	135	100.0%	4	2.8%		32	23.9%	1
269	119		2	31	25.8%	0	2	0	0	0.0%	119	100.0%	4	3.0%		85	71.2%	1
270	42		2	33	78.7%	0	0	0	0	0.0%	42	100.0%	0	0.0%		9	21.3%	2
271	353		0	152	43.0%	0	0	0	0	0.0%	87	24.7%	34	9.7%		20	5.7%	1
272	387		0	68	17.6%	0	0	0	0	0.0%	0	0.0%	3	0.8%		0	0.0%	0
273	21		0	0	0.0%	0	0	0	0	0.0%	21	100.0%	0	0.0%		6	28.6%	0
274	139	5	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	7	0	0.0%	0
275	204	18	1	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	17	23	11.3%	0
276	58		0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%		23	40.2%	0
277	136	1	0	0	0.0%	0	1	0	0	0.0%	0	0.0%	0	0.0%	1	12	9.1%	0
278	81	0	1	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	1	0.9%	0
279	118		0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%		0	0.0%	0
280	159		4	104	65.7%	0	0	0	0	0.0%	82	51.7%	1	0.6%		53	33.7%	1
281	22		0	0	0.0%	0	0	0	0	0.0%	22	100.0%	0	0.0%		6	27.5%	0
282	174		0	0	0.0%	0	0	0	0	0.0%	174	100.0%	0	0.0%		0	0.0%	0
283	29	0	0	0	0.0%	0	0	0	0	0.0%	29	100.0%	0	0.0%	0	0	0.0%	0
284	256	0	0	0	0.0%	0	0	0	0	0.0%	134	52.3%	7	2.6%	0	0	0.0%	0
285	318		0	0	0.0%	0	0	0	0	0.0%	318	100.0%	0	0.0%		0	0.0%	0
286	113	0	0	0	0.0%	0	0	0	0	0.0%	108	95.2%	13	11.1%	0	0	0.0%	0
287	28	9	0	0	0.0%	0	0	0	0	0.0%	28	100.0%	0	0.0%	1	0	0.0%	0
288	113	2	0	0	0.0%	0	1	0	0	0.0%	53	47.3%	12	10.4%	3	0	0.0%	0
289	231		0	0	0.0%	0	0	0	0	0.0%	220	95.4%	0	0.0%		15	6.6%	0
290	146	13	0	0	0.0%	0	0	0	0	0.0%	137	94.1%	0	0.0%	5	0	0.0%	0
291	140		0	0	0.0%	0	1	0	0	0.0%	131	93.2%	0	0.0%		0	0.0%	0
292	76		0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%		3	4.5%	0
293	108	15	0	0	0.0%	0	0	0	1	0.5%	108	100.0%	0	0.0%	42	48	44.4%	0
294	285	5	0	0	0.0%	0	0	0	0	0.0%	85	29.9%	43	15.2%	6	4	1.5%	0
295	241	26	0	0	0.0%	0	0	0	0	0.0%	239	99.5%	4	1.5%	18	25	10.4%	0
296	47	0	0	0	0.0%	0	0	0	0	0.0%	23	48.4%	0	0.0%	11	5	10.5%	0
297	37	0	0	0	0.0%	0	0	0	0	0.0%	26	70.8%	0	0.0%	0	7	20.0%	0
298	109	9	0	13	11.7%	0	1	0	0	0.0%	109	100.0%	0	0.0%	5	0	0.0%	0
299	49	0	0	0	0.0%	0	0	0	0	0.0%	49	100.0%	0	0.0%	0	0	0.0%	0
302	109	0	0	0	0.0%	0	1	0	0	0.0%	109	100.0%	0	0.0%	4	5	4.5%	0
303	161	8	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	0	0.0%	0
304	135	1	0	0	0.0%	4	0	0	0	0.0%	0	0.0%	0	0.0%	1	0	0.0%	0
305	309	7	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	45	14.5%	1	7	2.2%	0
306	33	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%	0

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																		
		MR 7849.5910 (C) ⁵						MR 7849.5910 (D) ⁶			MR 7849.5910 (E) ⁷									
		Aggregate Locations (Count) ¹⁷	Agriculture Zoning or Land Use (Acreage) ¹¹	Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Center Pivot Irrigation Systems (Count) ¹⁸	Special Protection Agriculture Zoning or Land Use (Acreage) ¹¹	Special Protection Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Archaeological Sites (Count) ¹⁹	Historical Sites (Count) ¹⁹	NPS National Register of Historic Places (Count) ²⁰	BWSR Re-invest In Minnesota (RIM) Easements (Acreage) ²¹	BWSR Re-invest In Minnesota (RIM) Easements (% of Segment Area) ²¹	Lakes (Acreage) ²²	Lakes (% of Segment Area) ²²	Minnesota County Biological Survey Sites of Biosignificance (Acreage) ²²	Minnesota County Biological Survey Sites of Biosignificance (% of Segment Area) ²²	Minnesota Restorable Wetlands (Acreage) ²³	Minnesota Restorable Wetlands (% of Segment Area) ²³	MDNR Wildlife Management Areas (Acreage) ²²	MDNR Wildlife Management Areas (Acreage) ²²
267	27	0	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
268	135	0	0	0.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	1.0%	0	0.0%
269	119	0	0	0.0%	0	0	0.0%	0	8	0	0	0.0%	0	0.0%	0	0.0%	0	0.3%	0	0.0%
270	42	0	0	0.0%	0	0	0.0%	0	8	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
271	353	0	146	41.5%	0	0	0.0%	0	0	0	0	0.0%	1	0.2%	0	0.0%	8	2.2%	0	0.0%
272	387	0	315	81.5%	0	0	0.0%	0	0	0	0	0.0%	1	0.1%	21	5.5%	12	3.2%	0	0.0%
273	21	0	15	71.4%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	13.3%	0	0.0%
274	139	0	139	100.0%	1	0	0.0%	0	0	0	0	0.0%	3	1.8%	0	0.0%	0	0.0%	0	0.0%
275	204	0	181	88.7%	2	0	0.0%	0	0	0	0	0.0%	4	1.7%	0	0.0%	0	0.0%	0	0.0%
276	58	0	35	59.8%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
277	136	0	123	90.4%	0	0	0.0%	0	0	0	0	0.0%	0	0.2%	0	0.0%	0	0.0%	0	0.0%
278	81	0	80	99.1%	0	0	0.0%	0	0	0	0	0.0%	1	0.8%	1	1.0%	0	0.0%	0	0.0%
279	118	0	118	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
280	159	2	0	0.0%	0	0	0.0%	0	15	0	0	0.0%	0	0.0%	0	0.0%	0	0.3%	0	0.0%
281	22	0	16	72.5%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	16.0%	0	0.0%
282	174	0	174	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	62	36.0%	0	0.0%
283	29	0	29	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	2.1%	0	0.0%
284	256	0	250	97.3%	0	0	0.0%	0	0	0	0	0.0%	7	2.6%	0	0.0%	37	14.5%	0	0.0%
285	318	0	318	100.0%	0	0	0.0%	1	0	0	0	0.0%	0	0.0%	0	0.0%	12	3.9%	0	0.0%
286	113	0	101	88.9%	0	0	0.0%	0	0	0	0	0.0%	13	11.2%	0	0.0%	3	2.4%	0	0.0%
287	28	0	28	100.0%	0	0	0.0%	0	1	0	0	0.0%	0	0.0%	0	0.0%	0	1.0%	0	0.0%
288	113	0	101	89.4%	0	0	0.0%	0	0	0	0	0.0%	10	8.9%	0	0.0%	8	7.1%	0	0.0%
289	231	0	216	93.4%	0	0	0.0%	0	0	0	0	0.0%	0	0.1%	0	0.0%	7	3.2%	0	0.0%
290	146	0	146	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	20	14.1%	0	0.0%
291	140	0	140	99.9%	0	0	0.0%	0	0	0	0	0.0%	1	0.7%	0	0.0%	12	8.3%	0	0.0%
292	76	0	72	95.5%	0	0	0.0%	0	0	0	0	0.0%	1	1.4%	0	0.0%	0	0.0%	0	0.0%
293	108	0	59	55.1%	1	0	0.0%	0	0	0	0	0.0%	0	0.0%	1	0.5%	2	2.0%	0	0.0%
294	285	0	107	37.4%	0	84	29.4%	0	0	0	0	0.0%	0	0.0%	0	0.0%	14	4.9%	0	0.0%
295	241	0	171	71.2%	0	40	16.5%	0	0	0	0	0.0%	2	0.9%	0	0.0%	44	18.2%	0	0.0%
296	47	0	18	38.2%	0	22	47.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	6	11.8%	0	0.0%
297	37	0	10	28.4%	0	12	33.4%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	2.2%	0	0.0%
298	109	0	96	88.4%	2	0	0.0%	1	0	0	0	0.0%	0	0.0%	0	0.0%	3	2.4%	0	0.0%
299	49	0	49	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	2.0%	0	0.0%
302	109	0	104	95.5%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	5	4.7%	0	0.0%
303	161	0	161	100.0%	0	0	0.0%	0	1	0	0	0.0%	0	0.0%	0	0.0%	4	2.3%	0	0.0%
304	135	0	135	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	3	1.9%	0	0.0%
305	309	0	257	83.1%	0	0	0.0%	0	0	0	0	0.0%	1	0.2%	46	14.8%	0	0.0%	0	0.0%
306	33	0	33	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	1.6%	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																	
		MR 7849.5910 (E) ⁷												MR7849.5910 (F) ⁸		Other			
		MDNR Scientific and Natural Areas (Acreage) ²²	MDNR Scientific and Natural Areas (% of Segment Area) ²²	State Wild and Scenic River Districts (Acreage) ²²	State Wild and Scenic River Districts (% of Segment Area) ²²	Stream Crossings (Count) ²²	Trout Stream Crossings (Count) ²²	USFWS Conservation Easements (Acreage) ²⁴	USFWS Conservation Easements (% of Segment Area) ²⁴	USFWS National Wetland Inventory (NWI) Wetlands (Acreage) ²⁵	USFWS National Wetland Inventory (NWI) Wetlands (% of Segment Area) ²⁵	Wooded Areas (Acreage) ²⁶	Wooded Areas (% of Segment Area) ²⁶	State Listed Threatened, Endangered or Candidate Species Known Occurrences (Count) ²⁷	Airports (Count) ²⁸	FCC Antenna Structures (Count) ²⁹	Cemeteries (Count) ¹⁰	County Identified Municipal Zoning or Land Use (Acreage) ¹¹	County Identified Municipal Zoning or Land Use (% of Segment Area) ¹¹
267	27	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0	0.0%
268	135	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.2%	0	0	0	0	0	0.0%
269	119	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0	0.0%
270	42	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0	0.0%
271	353	0	0.0%	0	0.0%	3	0	0	0.0%	17	4.7%	23	6.5%	0	0	0	0	0	0.0%
272	387	0	0.0%	0	0.0%	3	0	0	0.0%	24	6.2%	68	17.6%	0	0	0	0	0	0.0%
273	21	0	0.0%	0	0.0%	1	1	0	0.0%	6	30.4%	12	58.4%	0	0	0	0	0	0.0%
274	139	0	0.0%	0	0.0%	0	0	0	0.0%	4	3.0%	42	30.5%	0	0	0	0	0	0.0%
275	204	0	0.0%	0	0.0%	0	0	0	0.0%	17	8.5%	21	10.3%	0	0	0	0	0	0.0%
276	58	0	0.0%	0	0.0%	0	0	0	0.0%	10	16.3%	25	42.4%	0	0	0	0	0	0.0%
277	136	0	0.0%	0	0.0%	0	0	0	0.0%	16	11.8%	30	21.9%	0	0	0	0	0	0.0%
278	81	0	0.0%	0	0.0%	0	0	0	0.0%	9	11.5%	46	56.6%	0	0	0	0	0	0.0%
279	118	0	0.0%	0	0.0%	0	0	0	0.0%	1	1.1%	12	10.5%	0	0	0	0	0	0.0%
280	159	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0	0	0	0.0%
281	22	0	0.0%	0	0.0%	1	1	0	0.0%	7	30.4%	11	50.4%	0	0	0	0	0	0.0%
282	174	0	0.0%	0	0.0%	1	0	0	0.0%	48	27.6%	33	19.2%	0	0	0	0	0	0.0%
283	29	0	0.0%	0	0.0%	0	0	0	0.0%	11	38.5%	1	3.8%	0	0	0	0	0	0.0%
284	256	0	0.0%	0	0.0%	1	1	0	0.0%	39	15.1%	10	4.0%	0	0	0	0	0	0.0%
285	318	0	0.0%	0	0.0%	1	1	0	0.0%	26	8.2%	29	9.0%	0	0	0	0	0	0.0%
286	113	0	0.0%	0	0.0%	0	0	0	0.0%	16	13.7%	0	0.0%	0	0	0	0	0	0.0%
287	28	0	0.0%	0	0.0%	1	0	0	0.0%	0	0.0%	1	3.2%	0	0	0	0	0	0.0%
288	113	0	0.0%	0	0.0%	1	0	0	0.0%	36	32.0%	25	21.8%	0	0	0	0	0	0.0%
289	231	0	0.0%	0	0.0%	2	0	0	0.0%	41	17.7%	24	10.4%	1	0	0	0	0	0.0%
290	146	0	0.0%	0	0.0%	1	1	0	0.0%	12	8.1%	8	5.5%	0	0	0	0	0	0.0%
291	140	0	0.0%	0	0.0%	0	0	0	0.0%	22	15.7%	0	0.2%	0	0	0	0	0	0.0%
292	76	0	0.0%	0	0.0%	0	0	0	0.0%	21	28.1%	21	27.3%	0	0	0	0	0	0.0%
293	108	0	0.0%	0	0.0%	1	0	0	0.0%	2	1.4%	16	15.1%	0	0	0	0	0	0.0%
294	285	0	0.0%	0	0.0%	2	0	0	0.0%	101	35.5%	33	11.5%	0	0	0	0	45	15.7%
295	241	0	0.0%	0	0.0%	3	0	0	0.0%	51	21.3%	31	13.0%	0	0	0	0	1	0.4%
296	47	0	0.0%	0	0.0%	0	0	0	0.0%	1	2.2%	0	0.9%	0	0	0	0	0	0.0%
297	37	0	0.0%	0	0.0%	0	0	0	0.0%	4	11.5%	0	0.0%	0	0	0	0	6	15.6%
298	109	0	0.0%	0	0.0%	1	0	0	0.0%	0	0.2%	9	8.5%	0	0	0	0	0	0.0%
299	49	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.0%	3	7.1%	0	0	0	0	0	0.0%
302	109	0	0.0%	0	0.0%	1	0	0	0.0%	1	1.3%	2	2.2%	0	0	0	0	0	0.0%
303	161	0	0.0%	0	0.0%	0	0	0	0.0%	1	0.7%	5	2.9%	0	0	0	0	0	0.0%
304	135	0	0.0%	0	0.0%	0	0	0	0.0%	2	1.7%	31	22.6%	0	0	0	0	0	0.0%
305	309	0	0.0%	50	16.2%	0	0	0	0.0%	10	3.2%	197	63.8%	0	0	0	0	0	0.0%
306	33	0	0.0%	0	0.0%	0	0	0	0.0%	4	11.9%	0	0.5%	0	0	0	0	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Other				
		Floodplain (Acreage) ³⁰	Floodplain (% of Segment Area) ³⁰	Landfills / Dumps (Count) ³¹	USDA Conservation Reserve Program (CRP) Land (Acreage) ³²	USDA Conservation Reserve Program (CRP) Land (% of Segment Area) ³²
267	27	0	0.0%	0	0	0.0%
268	135	0	0.0%	0	0	0.0%
269	119	0	0.0%	0	0	0.0%
270	42	0	0.0%	0	0	0.0%
271	353	0	0.0%	0	0	0.0%
272	387	0	0.0%	0	0	0.0%
273	21	0	0.0%	0	0	0.0%
274	139	0	0.0%	0	8	5.9%
275	204	0	0.0%	0	0	0.0%
276	58	0	0.0%	0	0	0.0%
277	136	0	0.0%	0	7	5.4%
278	81	0	0.0%	0	18	22.8%
279	118	0	0.0%	0	0	0.1%
280	159	0	0.0%	0	0	0.0%
281	22	0	0.0%	0	0	0.0%
282	174	0	0.0%	0	6	3.3%
283	29	0	0.0%	0	0	0.0%
284	256	0	0.0%	0	0	0.0%
285	318	0	0.0%	0	0	0.0%
286	113	0	0.0%	0	0	0.0%
287	28	0	0.0%	0	0	0.0%
288	113	0	0.0%	0	5	4.7%
289	231	0	0.0%	0	10	4.2%
290	146	0	0.0%	0	0	0.0%
291	140	0	0.0%	0	7	4.7%
292	76	0	0.0%	0	0	0.0%
293	108	0	0.0%	0	0	0.0%
294	285	0	0.0%	0	0	0.0%
295	241	0	0.0%	0	0	0.0%
296	47	0	0.0%	0	0	0.0%
297	37	0	0.0%	0	0	0.0%
298	109	0	0.0%	0	0	0.0%
299	49	0	0.0%	0	0	0.0%
302	109	0	0.0%	0	0	0.0%
303	161	0	0.0%	0	0	0.0%
304	135	0	0.0%	0	0	0.0%
305	309	0	0.0%	0	27	8.8%
306	33	0	0.0%	0	0	0.0%

Assumptions / Data Sources:

- Route Segments are generally 1,000 feet wide (500 feet each side of the opportunity paralleled). For divided lane highways, 500 feet from the middle of the two lanes each direction traveled.
- This table only includes the sensitivities or impacts that occur along at least one of the Route Segments.
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- MR7849.5910 (D): effects on archaeological and historic resources.
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		Minnesota Rules Chapter 7849 ³																
		MR 7849.5910 (A) ⁴																
Segment ¹	Segment Area (Acres) ¹	Buildings or Structures, Non-Residential (Count) ⁹	Churches (Count) ¹⁰	Commercial / Business / Institutional / Public Zoning or Land Use (Acres) ¹¹	Commercial / Business / Institutional / Public Zoning or Land Use (% of Segment Area) ¹¹	County Trails (Count) ¹²	Daycare Facilities (Count) ¹³	Hospitals (Count) ¹⁴	Industrial Zoning or Land Use (Acreage) ¹¹	Industrial Zoning or Land Use (% of Segment Area) ¹¹	Population Centers (Acreage) ¹⁵	Population Centers (% of Segment Area) ¹⁵	Recreational / Open Space / Park Zoning or Land Use (Acreage) ¹¹	Recreational / Open Space / Park Zoning or Land Use (% of Segment Area) ¹¹	Residences (Count) ⁹	Residential Zoning or Land Use (Acreage) ¹¹	Residential Zoning or Land Use (% of Segment Area) ¹¹	Schools (Count) ¹⁶
307	100	2	0	0	0.0%	0	0	0	0	0.1%	0	0.0%	0	0.0%	0	0	0.0%	0
308	350	2	0	0	0.0%	0	0	0	0	0.0%	350	100.0%	0	0.0%	2	0	0.0%	0
308A	291	2	0	0	0.0%	0	0	0	0	0.0%	291	100.0%	0	0.0%	1	0	0.0%	0
309	82	6	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	6	34	40.9%	0
310	139	9	0	29	20.6%	0	1	0	0	0.0%	139	100.0%	0	0.0%	45	23	16.6%	0
311	122	5	0	0	0.0%	1	0	0	0	0.0%	0	0.0%	0	0.0%	4	0	0.0%	0
312	141	3	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	0	0.0%	0
313	263	3	0	0	0.0%	0	0	0	10	4.0%	0	0.0%	42	16.0%	7	52	19.7%	0
314	183	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%	0
315	289	8	0	0	0.0%	0	0	0	0	0.0%	289	100.0%	0	0.0%	1	0	0.0%	0
316	111	0	0	0	0.0%	0	0	0	0	0.0%	111	100.0%	0	0.0%	1	0	0.0%	0
19A	48	1	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	0	0.0%	0
19B	148	0	1	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	1	0.5%	0
312A	50	2	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%	0
312B	109	1	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	0	0.0%	0
313A	133	0	0	0	0.0%	0	0	0	10	7.8%	0	0.0%	3	2.5%	3	52	38.9%	0
313B	148	3	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	42	28.5%	5	0	0.0%	0
317	80	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%	0
318	78	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0	0.0%	0
319	116	0	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	3	3.0%	1	0	0.0%	0

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																		
		MR 7849.5910 (C) ⁵						MR 7849.5910 (D) ⁶			MR 7849.5910 (E) ⁷									
		Aggregate Locations (Count) ¹⁷	Agriculture Zoning or Land Use (Acreage) ¹¹	Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Center Pivot Irrigation Systems (Count) ¹⁸	Special Protection Agriculture Zoning or Land Use (Acreage) ¹¹	Special Protection Agriculture Zoning or Land Use (% of Segment Area) ¹¹	Archaeological Sites (Count) ¹⁹	Historical Sites (Count) ¹⁹	NPS National Register of Historic Places (Count) ²⁰	BWSR Re-invest In Minnesota (RIM) Easements (Acreage) ²¹	BWSR Re-invest In Minnesota (RIM) Easements (% of Segment Area) ²¹	Lakes (Acreage) ²²	Lakes (% of Segment Area) ²²	Minnesota County Biological Survey Sites of Biosignificance (Acreage) ²²	Minnesota County Biological Survey Sites of Biosignificance (% of Segment Area) ²²	Minnesota Restorable Wetlands (Acreage) ²³	Minnesota Restorable Wetlands (% of Segment Area) ²³	MDNR Wildlife Management Areas (Acreage) ²²	MDNR Wildlife Management Areas (Acreage) ²²
307	100	0	100	99.9%	0	0	0.0%	0	1	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
308	350	0	350	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	94	26.9%	0	0.0%
308A	291	0	291	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	91	31.4%	0	0.0%
309	82	0	49	59.1%	0	0	0.0%	0	0	0	0	0.0%	2	2.2%	0	0.0%	0	0.0%	0	0.0%
310	139	0	88	62.8%	0	0	0.0%	0	0	0	0	0.0%	1	0.5%	0	0.0%	30	21.5%	0	0.0%
311	122	0	122	99.9%	2	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
312	141	0	141	100.0%	0	0	0.0%	0	0	0	0	0.0%	5	3.9%	0	0.0%	0	0.0%	0	0.0%
313	263	0	158	60.3%	0	0	0.0%	1	0	0	0	0.0%	14	5.4%	0	0.0%	1	0.4%	0	0.0%
314	183	0	183	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.2%	0	0.0%	11	5.9%	0	0.0%
315	289	0	289	100.0%	0	0	0.0%	0	0	0	0	0.0%	1	0.3%	0	0.1%	14	5.0%	0	0.0%
316	111	0	111	100.0%	0	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	63	56.3%	0	0.0%
19A	48	0	48	100.0%	0	0	0.0%	0	0	0	0	0.0%	1	2.5%	0	0.4%	0	0.0%	0	0.0%
19B	148	0	147	99.5%	0	0	0.0%	0	0	0	0	0.0%	11	7.4%	22	15.2%	0	0.0%	0	0.0%
312A	50	0	50	100.0%	0	0	0.0%	0	0	0	0	0.0%	4	8.4%	0	0.0%	0	0.0%	0	0.0%
312B	109	0	109	100.0%	0	0	0.0%	0	0	0	0	0.0%	2	1.9%	0	0.0%	0	0.0%	0	0.0%
313A	133	0	82	61.8%	1	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	0.7%	0	0.0%
313B	148	0	91	61.5%	1	0	0.0%	1	0	0	0	0.0%	14	9.6%	0	0.0%	0	0.3%	0	0.0%
317	80	0	80	100.0%	0	0	0.0%	0	0	0	0	0.0%	10	12.8%	0	0.2%	0	0.0%	0	0.0%
318	78	0	78	100.0%	0	0	0.0%	0	0	0	0	0.0%	1	0.9%	0	0.0%	0	0.0%	0	0.0%
319	116	0	113	97.0%	1	0	0.0%	0	0	0	0	0.0%	0	0.0%	0	0.0%	1	1.2%	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Minnesota Rules Chapter 7849 ³																	
		MR 7849.5910 (E) ⁷												MR7849.5910 (F) ⁸		Other			
		MDNR Scientific and Natural Areas (Acreage) ²²	MDNR Scientific and Natural Areas (% of Segment Area) ²²	State Wild and Scenic River Districts (Acreage) ²²	State Wild and Scenic River Districts (% of Segment Area) ²²	Stream Crossings (Count) ²²	Trout Stream Crossings (Count) ²²	USFWS Conservation Easements (Acreage) ²⁴	USFWS Conservation Easements (% of Segment Area) ²⁴	USFWS National Wetland Inventory (NWI) Wetlands (Acreage) ²⁵	USFWS National Wetland Inventory (NWI) Wetlands (% of Segment Area) ²⁵	Wooded Areas (Acreage) ²⁶	Wooded Areas (% of Segment Area) ²⁶	State Listed Threatened, Endangered or Candidate Species Known Occurrences (Count) ²⁷	Airports (Count) ²⁸	FCC Antenna Structures (Count) ²⁹	Cemeteries (Count) ¹⁰	County Identified Municipal Zoning or Land Use (Acreage) ¹¹	County Identified Municipal Zoning or Land Use (% of Segment Area) ¹¹
307	100	0	0.0%	0	0.0%	0	0	0	0.0%	0	0.4%	0	0.0%	0	0	0	0	0	0.0%
308	350	0	0.0%	0	0.0%	4	3	0	0.0%	49	14.1%	66	18.7%	0	0	0	0	0	0.0%
308A	291	0	0.0%	0	0.0%	4	3	0	0.0%	48	16.6%	66	22.6%	0	0	0	0	0	0.0%
309	82	0	0.0%	0	0.0%	0	0	0	0.0%	7	8.5%	22	26.6%	0	0	0	0	0	0.0%
310	139	0	0.0%	0	0.0%	0	0	0	0.0%	22	15.5%	0	0.3%	0	0	0	0	0	0.0%
311	122	0	0.0%	0	0.0%	1	0	0	0.0%	37	29.9%	82	66.7%	0	0	0	0	0	0.0%
312	141	0	0.0%	0	0.0%	0	0	0	0.0%	34	24.4%	41	29.5%	0	0	0	0	0	0.0%
313	263	0	0.0%	0	0.0%	2	0	0	0.0%	52	19.8%	110	41.7%	0	0	0	0	0	0.0%
314	183	0	0.0%	0	0.0%	0	0	0	0.0%	17	9.6%	6	3.1%	0	0	0	0	0	0.0%
315	289	0	0.0%	0	0.0%	1	0	0	0.0%	11	3.7%	38	13.0%	0	0	0	0	0	0.0%
316	111	0	0.0%	0	0.0%	2	0	0	0.0%	65	58.2%	19	17.1%	0	0	0	0	0	0.0%
19A	48	0	0.0%	0	0.0%	0	0	0	0.0%	4	8.8%	24	49.8%	0	0	0	0	0	0.0%
19B	148	0	0.0%	0	0.0%	0	0	0	0.0%	24	16.2%	81	54.8%	1	0	0	0	0	0.0%
312A	50	0	0.0%	0	0.0%	0	0	0	0.0%	12	24.5%	12	24.2%	0	0	0	0	0	0.0%
312B	109	0	0.0%	0	0.0%	0	0	0	0.0%	23	21.1%	32	29.3%	0	0	0	0	0	0.0%
313A	133	0	0.0%	0	0.0%	1	0	0	0.0%	14	10.3%	45	33.5%	0	0	0	0	0	0.0%
313B	148	0	0.0%	0	0.0%	1	0	0	0.0%	38	25.9%	69	46.5%	0	0	0	0	0	0.0%
317	80	0	0.0%	0	0.0%	0	0	0	0.0%	12	14.4%	40	49.9%	0	0	0	0	0	0.0%
318	78	0	0.0%	0	0.0%	1	0	0	0.0%	15	18.6%	6	7.1%	0	0	0	0	0	0.0%
319	116	0	0.0%	0	0.0%	1	0	0	0.0%	2	1.6%	57	49.2%	0	0	0	0	0	0.0%

Segment ¹	Segment Area (Acres) ¹	Other				
		Floodplain (Acreage) ³⁰	Floodplain (% of Segment Area) ³⁰	Landfills / Dumps (Count) ³¹	USDA Conservation Reserve Program (CRP) Land (Acreage) ³²	USDA Conservation Reserve Program (CRP) Land (% of Segment Area) ³²
307	100	0	0.0%	0	7	7.1%
308	350	0	0.0%	0	73	20.9%
308A	291	0	0.0%	0	73	25.2%
309	82	0	0.0%	0	10	12.2%
310	139	0	0.0%	0	0	0.0%
311	122	0	0.0%	0	0	0.0%
312	141	0	0.0%	0	5	3.9%
313	263	8	3.0%	0	0	0.0%
314	183	0	0.0%	0	0	0.0%
315	289	0	0.0%	0	42	14.4%
316	111	0	0.0%	0	0	0.0%
19A	48	0	0.0%	0	0	0.0%
19B	148	0	0.0%	0	16	10.9%
312A	50	0	0.0%	0	3	6.5%
312B	109	0	0.0%	0	5	5.0%
313A	133	8	5.9%	0	0	0.0%
313B	148	0	0.0%	0	0	0.0%
317	80	0	0.0%	0	0	0.0%
318	78	0	0.0%	0	7	8.4%
319	116	0	0.0%	0	0	0.0%

Assumptions / Data Sources:

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- These datasets were obtained from the MDNR Data Deli.
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- USFWS NWI Wetlands data was obtained from the USFWS Wetland Mapper website.
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- State listed T&E species were identified using a dataset licensed from the MDNR for this Project.
- Airports were identified using Airnav.com.
- FCC Antenna Structures data was obtained from the FCC ASR database.
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