

## **Appendix E**

### **Route Analysis Data Tables**

Sources:

Minnesota Power 2014 Reference 1	Minnesota Power 2014 Reference 2	Minnesota Power 2014 Reference 3		
Roseau County 2015 Reference 4	Minnesota Power 2014 Reference 5	Minnesota Power 2014 Reference 6	Minnesota DH 2003 Reference 7	Minnesota Power 2014 Reference 8
USDOT 2014 Reference 9	Minnesota Power 2014 Reference 10	SHPO 2014 Reference 11	SHPO 2014 Reference 12	SHPO 2005 Reference 13
Minnesota Power 2014 Reference 14	Minnesota Power 2014 Reference 15	MnDOT 2003 Reference 16	MnDOT 2003 Reference 17	MnDNR 2014 Reference 18
MnDNR 2012 Reference 19	MnDOT 2012 Reference 20	MnDNR 2014 Reference 21	Minnesota Power 2014 Reference 22	MPCA 2013 Reference 23
MPCA 2013 Reference 24	USGS 2014 Reference 25	USGS 2014 Reference 26	MnDNR 2008 Reference 27	MnDNR 2008 Reference 28
MnDNR 2008 Reference 29	MnDNR 2002 Reference 30	MnDNR 2004 Reference 31	USFWS 1997 Reference 32	MnDNR 2010 Reference 33
MnDNR 2009 Reference 34	MnDNR 2009 Reference 35	MnDNR 2009 Reference 36	MnDNR 2000 Reference 37	MnDNR 2006 Reference 38
MnDNR 2003 Reference 39	MnDNR 2003 Reference 40	MnDNR 2002 Reference 43	MnDNR 2003 Reference 44	MnDNR 2008 Reference 45
USDOT 2014 Reference 46	MnDOT 2013 Reference 47	MnDNR 2010 Reference 48	MnDNR 2003 Reference 49	MnDNR 2012 Reference 50
MnDNR 2010 Reference 51	BWSR 2003 Reference 52	MnDNR 2010 Reference 53	MnDNR 1999 Reference 54	MBS 1998 Reference 55
MBS 2015 Reference 56	MBS 2014 Reference 57	MnDNR 2003 Reference 58	MnDNR 1905 Reference 59	MnDNR 2014 Reference 60
MnDNR 2008 Reference 61	MnDNR 2014 Reference 62	MnDNR 2008 Reference 63	USFWS 2011 Reference 64	USFWS 2011 Reference 65
MnDNR 2007 Reference 66	MnDNR 2008 Reference 67	MnDNR 2014 Reference 68	MnDNR 2014 Reference 69	MnDNR 1984 Reference 70
MnDNR Reference 71	MnDNR Reference 72	University of Minnesota 2003 Reference 73	MPCA 2014 Reference 74	MPCA 2010 Reference 75
MGS 2014 Reference 76	MnDNR 2006 Reference 77	MnDNR 2003 Reference 78	MnDNR 2010 Reference 79	MnDNR 2009 Reference 80
USFWS 2014 Reference 81	USFWS 2014 Reference 82	USFWS 2014 Reference 83	USFWS 2014 Reference 84	USFWS/Partner's In Flight 2004 Reference 85
Audubon Society 2014 Reference 86	MnDNR 2014 Reference 87	USGS 2001 Reference 88	USDA NRCS 2014 Reference 89	USDA NRCS 2014 Reference 90
US BLM Reference 91	MPCA 2013 Reference 92	MPCA 2013 Reference 93	NFS 2014 Reference 94	NPS 2014 Reference 95
MN DOC 2014 Reference 96	MNDOT 2010 Reference 97	MnDNR 2010 Reference 98	MnDNR 2009 Reference 99	USDA, FSA, APFO 2013 Reference 100
MnDNR et al 2014 Reference 101	MnDNR et al 2013 Reference 102	MnDNR 2013 Reference 103	MnDNR et al 2009 Reference 104	USFWS 2015 Reference 105

Notes:

Items containing the color shown to the left are datasets that were analyzed in GIS and had no features located within the buffers.

The following datasets were analyzed in GIS and had no features for any variation area located within 0-1,500 ft; they have been omitted from the appendix table: Schools (Public & Private, > Kindergarten), Daycares/Child-care centers/Pre-schools, Hospitals, Nursing Homes, Airport/Heliport Locations, MPCA Impaired Lakes, MnDNR Trout Lakes, MnDNR Wildlife Lakes, State Park Trails, State Forest Camp Grounds, State Parks, US NPS National Parks, BWSR Reinvest in Minnesota Conservation Easements, MBS Railroad Right-of-Way Prairies, USFWS Waterfowl Production Areas, State Aquatic Management Ares, State Game Refuges, State Migratory Fowl Feeding and Resting Areas, and USFWS National Wildlife Refuges.

Footnotes:

(1) Impact numbers within datasets cannot be added together for variations or proposed routes in different variation areas to calculate an accurate total. Any totals developed using this method have the potential to be inaccurate due to rounding and/or shared areas that would not be accounted for when using simple addition. There were some datasets that were analyzed in GIS and there were no features from these datasets located within the 1,500 ft buffer including: Schools (Public & Private, > Kindergarten), Daycares/Child-care centers/Pre-schools, Hospitals, Nursing Homes, Airport/Heliport Locations, MPCA Impaired Lakes, MnDNR Trout Lakes, MnDNR Wildlife Lakes, State Park Trails, State Forest Camp Grounds, State Parks, US NPS National Parks, BWSR Reinvest in Minnesota Conservation Easements, MBS Railroad Right-of-Way Prairies, USFWS Waterfowl Production Areas, State Aquatic Management Ares, State Game Refuges, State Migratory Fowl Feeding and Resting Areas, and USFWS National Wildlife Refuges.

(2) The buffer distances includes both sides of the anticipated alignment. For example, count with a buffer of 100 ft includes 100 ft on each side of the anticipated alignment. Buffer distances are cumulative. For example, impacts accrued within the 100 ft buffer are also included within the 1,500 ft buffer. For this EIS, the 100 ft buffer is the equivalent of the ROW. The 1,500 ft buffer represents the route width used for the GIS analysis in this EIS. The Presidential permit and Route Permit applications use a route width that ranges from 1,500 feet to 3,000 feet.

(3) The MnDNR's State Fee Lands dataset represents state land ownership using public land survey quarter-quarter sections as the smallest unit. In some cases multiple state lands are within a single quarter-quarter section are then represented in the data through duplicate features. Therefore the analysis results presented may be over-representing the potential impacts.

(4) Palustrine emergent wetland (PEM), palustrine shrub wetland (PSS), palustrine forested wetland (PFO), palustrine unconsolidated bottom pond (PUB).

(5) Mapping of MBS Sites of Biodiversity Significance has been completed for Roseau County, mapping is only preliminary in the other counties across the proposed Project.

(6) ND means No Data or indicates that data were not available.

(7) MBS Native Plant Communities data only available for Roseau County

(8) Percent of Total Length was calculated by rounding and any values less than 0.5 were rounded to zero, this may result in a total of slightly more or less than 100 percent. Also, Percent of Total Length cannot be added together for variations or proposed routes in different variation areas to calculate an accurate total. Any totals developed using this method have the potential to be inaccurate due to rounding and/or shared areas that would not be accounted for when using simple addition.

(9) Canada lynx and gray wolf records are not documented in the NHIS database.

Dataset <sup>(1)</sup>	Base Length	State Mineral Leases		State Fee Lands <sup>(3)</sup>		State Fee Lands by Type <sup>(3)</sup>								County Lands		FEMA Floodplains												
						Type	--	--	--	Consolidated Conservation		Other - Acquired, Tax Forfeit, Volstead								Trust Fund		Federal - State Lease		--	Zone A		Zone B	
										Area (ac)	Area (ac)	Area (ac)	Area (ac)							Area (ac)	Area (ac)	Area (ac)	Area (ac)		Area (ac)	Area (ac)	Area (ac)	Area (ac)
Unit	Length (mi)	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500									
Buffer <sup>(2)</sup> (ft)		--																										
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	25.0	0	0	436	5,891	309	4,185	13	412	114	1,294	0	0	0	0	329	53	5	53								
	Border Crossing Pine Creek Variation	25.7	0	0	381	5,173	308	4,155	13	412	61	606	0	0	0	0	343	8	0	8								
	Border Crossing Hwy 310 Variation	18.6	0	0	300	4,218	274	3,589	1	165	24	464	0	0	0	0	213	0	0	0								
	Border Crossing 500kV Variation	10.1	0	0	131	2,109	62	1,029	2	39	67	1,041	0	0	0	0	0	0	0	0								
	Border Crossing 230kV Variation	8.2	0	0	97	1,512	87	1,215	1	40	9	257	0	0	<0.5	78	0	0	0	0								
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	30.7	0	0	453	6,163	346	4,726	13	416	94	1,021	0	0	0	0	321	5	0	5								
	Roseau Lake WMA Variation 1	44.1	0	0	6	101	6	51	0	4	<0.5	46	0	0	0	0	200	51	3	51								
	Roseau Lake WMA Variation 2	37.5	0	0	145	1,921	96	1,268	11	121	39	532	0	0	0	0	304	51	3	51								
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	24.7	97	1,336	441	6,478	397	5,768	5	72	33	415	6	224	0	0	0	0	0	0								
	Cedar Bend WMA Variation	19.6	0	73	84	1,425	78	1,383	6	41	0	<0.5	0	0	0	0	32	0	0	0								
Beltrami North Variation Area	Proposed Blue/Orange Route	16.5	97	1,336	364	5,486	353	5,190	5	72	0	0	6	224	0	0	0	0	0	0								
	Beltrami North Variation 1	15.8	97	1,407	297	4,430	294	4,355	3	46	0	0	0	30	0	0	0	0	0	0								
	Beltrami North Variation 2	19.7	152	2,193	450	6,959	445	6,711	5	72	0	0	0	176	0	0	0	0	0	0								
Beltrami North Central Variation Area	Proposed Blue/Orange Route	11.6	0	0	213	3,327	195	2,969	0	0	0	0	18	357	0	0	1	0	0	0								
	Beltrami North Central Variation 1	13.7	0	0	217	3,382	217	3,382	0	0	0	0	0	0	0	0	2	0	0	0								
	Beltrami North Central Variation 2	12.6	0	0	246	3,806	246	3,498	0	0	0	0	1	309	0	0	2	0	0	0								
	Beltrami North Central Variation 3	12.2	0	0	184	2,806	184	2,806	0	0	0	0	0	0	0	0	2	0	0	0								
	Beltrami North Central Variation 4	13.5	0	0	178	2,765	178	2,765	0	0	0	0	0	0	0	0	2	0	0	0								
	Beltrami North Central Variation 5	15.0	0	0	210	3,341	210	3,341	0	0	0	0	0	0	0	0	2	0	0	0								
Pine Island Variation Area	Proposed Blue Route	109.8	1,205	18,215	2,095	31,318	836	12,131	326	5,320	934	13,866	0	0	4	46	20	0	0	0								
	Proposed Orange Route	105.4	370	5,563	2,310	34,130	956	14,070	640	9,466	698	10,354	16	239	0	5	11	0	0	0								
Beltrami South Central Variation Area	Proposed Orange Route	1.2	0	0	30	607	14	452	0	0	0	0	16	154	0	0	0	0	0	0								
	Beltrami South Central Variation	1.7	0	0	43	784	43	718	0	0	0	0	0	65	0	0	0	0	0	0								
Beltrami South Variation Area	Proposed Orange Route	5.6	58	861	136	2,196	136	2,153	0	0	0	0	0	44	0	0	0	0	0	0								
	Beltrami South Variation	7.5	287	3,876	181	2,738	181	2,693	0	11	0	0	0	34	0	0	0	0	0	0								
North Black River Variation Area	Proposed Blue Route	8.4	405	6,299	184	2,681	158	2,186	26	496	0	0	0	0	0	0	0	0	0	0								
	North Black River Variation	9.2	362	4,756	158	2,288	133	2,001	25	287	0	0	0	0	0	0	0	0	0	0								
C2 Segment Option Variation Area	Proposed Blue Route	32.8	16	156	731	10,919	68	953	99	1,331	565	8,636	0	0	0	0	8	0	0	0								
	C2 Segment Option Variation	46.0	67	1,185	640	10,584	43	620	230	3,987	367	5,977	0	0	14	122	28	0	0	0								
J2 Segment Option Variation Area	Proposed Orange Route	42.2	82	1,195	945	13,807	0	0	522	7,495	423	6,312	0	0	0	5	3	0	0	0								
	J2 Segment Option Variation	45.2	73	1,058	840	12,620	0	0	528	7,933	311	4,687	0	0	0	0	0	0	0	0								
Northome Variation Area	J2 Segment Option Variation	3.7	0	0	39	714	0	0	15	347	24	367	0	0	0	0	0	0	0	0								
	Northome Variation	4.0	0	0	81	982	0	0	55	628	26	354	0	0	0	0	0	0	0	0								
Cutfoot Variation Area	Proposed Orange Route	4.2	29	399	95	1,371	0	0	30	518	65	854	0	0	0	0	0	0	0	0								
	Cutfoot Variation	4.8	4	108	93	1,519	0	0	20	537	73	982	0	0	0	0	0	0	0	0								
Effie Variation Area	Proposed Blue Route	41.1	647	9,612	645	9,869	0	0	409	6,385	235	3,485	0	0	10	94	3	0	0	0								
	Proposed Orange Route	44.6	819	11,988	694	10,705	0	0	471	7,437	223	3,268	0	0	4	55	3	0	0	0								
	Effie Variation	49.8	824	11,399	772	11,273	0	0	507	7,238	265	4,035	0	0	0	26	0	0	0	0								
East Bear Lake Variation Area	Proposed Orange Route	8.9	96	1,555	217	3,374	0	0	164	2,782	52	592	0	0	0	0	0	0	0	0								
	East Bear Lake Variation	10.5	193	3,018	256	3,830	0	0	180	2,731	76	1,099	0	0	0	0	0	0	0	0								
Balsam Variation Area	Proposed Blue Route	12.9	0	0	67	1,021	0	0	65	980	2	42	0	0	0	0	0	0	0	0								
	Proposed Orange Route	13.7	0	0	50	900	0	0	50	852	0	47	0	0	0	0	26	0	0	0								
	Balsam Variation	17.8	89	1,219	107	1,485	0	0	50	730	57	755	0	0	0	67	22	0	0	0								
Dead Man's Pond Variation Area	Proposed Blue Route	2.2	0	0	19	341	0	0	19	341	0	0	0	0	0	0	0	0	0	0								
	Dead Man's Pond Variation	2.3	0	0	37	448	0	0	37	448	0	0	0	0	0	0	0	0	0	0								
Blackberry Variation Area	Proposed Blue Route	5.4	37	551	41	613	0	0	17	286	24	327	0	0	0	0	0	0	0	0								
	Proposed Orange Route	6.1	33	445	54	864	0	0	49	671	5	193	0	0	0	3	0	0	0	0								

Dataset <sup>(1)</sup>	MPCA Impaired Streams		National Hydrology Dataset Flowlines		National Hydrology Dataset Waterbodies		MnDNR Public Water Inventory Watercourses		MnDNR Public Water Inventory Basins		MnDNR Public Water Inventory Wetlands		MnDNR Trout Streams		
	Type	--		--		--		--		--		--		--	
Unit	Length (mi)		Length (mi)		Area (ac)		Length (mi)		Area (ac)		Area (ac)		Length (mi)		
Buffer <sup>(2)</sup> (ft)	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	0.1	0.7	3.1	28.4	0	0	0.1	2.8	0	0	0	0	0	0
	Border Crossing Pine Creek Variation	0.1	0.7	3.3	32.9	0	0	0.1	2.9	0	0	0	0	0	0
	Border Crossing Hwy 310 Variation	0.1	0.7	5.3	26.0	0	1	0.1	1.7	0	0	0	0	0	0
	Border Crossing 500kV Variation	0	0	1.1	7.3	0	0	0	0	0	0	0	0	0	0
	Border Crossing 230kV Variation	0	0	1.5	8.8	0	<0.5	0	0	0	0	0	0	0	0
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	0.1	0.7	3.3	30.8	0	<0.5	0.1	1.7	0	0	0	0	0	0
	Roseau Lake WMA Variation 1	0.1	1.6	3.1	54.2	<0.5	10	0.6	10.3	0	0	0	19	0	0
	Roseau Lake WMA Variation 2	0.1	1.7	8.8	49.8	0	4	5.2	10.8	0	0	0	0	0	0
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	0.2	3.4	0.8	14.6	1	4	0.2	4.0	9	67	0	0	0	0
	Cedar Bend WMA Variation	0.2	3.3	0.9	13.1	<0.5	3	0.3	4.8	0	0	0	0	0	0
Beltrami North Variation Area	Proposed Blue/Orange Route	0.2	3.4	0.5	9.5	1	3	0.2	4.0	9	67	0	0	0	0
	Beltrami North Variation 1	0.4	3.9	0.6	8.6	0	1	0.4	4.6	0	13	0	0	0	0
	Beltrami North Variation 2	0.2	4.7	1.1	13.3	<0.5	<0.5	0.2	5.1	9	67	0	0	0	0
Beltrami North Central Variation Area	Proposed Blue/Orange Route	0	0	0.2	4.4	1	3	<0.05	0.7	0	14	0	0	0	0
	Beltrami North Central Variation 1	0	0	0.4	6.7	0	1	0.2	1.8	0	0	0	0	0	0
	Beltrami North Central Variation 2	0	0	0.3	6.7	0	3	0.1	1.6	0	0	0	0	0	0
	Beltrami North Central Variation 3	0	0	0.3	5.9	<0.5	3	0.1	1.6	0	0	0	0	0	0
	Beltrami North Central Variation 4	0	0	0.4	9.0	<0.5	2	0.1	2.1	0	0	0	0	0	0
	Beltrami North Central Variation 5	0	0	0.5	9.8	0	<0.5	0.2	2.3	0	0	0	0	0	0
Pine Island Variation Area	Proposed Blue Route	<0.5	0.8	5.5	53.7	3	61	0.8	14.6	1	8	0	0	<0.05	0.6
	Proposed Orange Route	0.1	0.9	3.6	57.4	7	106	1.2	20.2	0	1	0	0	0	0
Beltrami South Central Variation Area	Proposed Orange Route	0	0	<0.05	0.2	0	<0.5	0	0	0	0	0	0	0	0
	Beltrami South Central Variation	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Beltrami South Variation Area	Proposed Orange Route	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Beltrami South Variation	0	0	0	<0.05	0	0	0	0	0	0	0	0	0	0
North Black River Variation Area	Proposed Blue Route	0	0	0.1	5.0	<0.5	3	0	0	0	0	0	0	0	0
	North Black River Variation	0	0	7.2	15.4	0	0	<0.05	0.3	0	0	0	0	0	0
C2 Segment Option Variation Area	Proposed Blue Route	<0.5	0.8	1.3	13.1	<0.5	10	0.2	4.0	0	0	0	0	0	0
	C2 Segment Option Variation	0.1	2.0	0.3	6.0	1	40	0.1	2.4	0	0	0	0	0	0
J2 Segment Option Variation Area	Proposed Orange Route	0	0	1.7	24.0	5	85	0.3	8.5	0	1	0	0	0	0
	J2 Segment Option Variation	0	0	1.8	18.8	13	169	0.2	3.4	0	100	0	9	0	0
Northome Variation Area	J2 Segment Option Variation	0	0	0	0.9	8	54	0	0.5	0	<0.5	0	9	0	0
	Northome Variation	0	0	0.1	1.2	3	49	<0.05	0.5	3	58	0	1	0	0
Cutfoot Variation Area	Proposed Orange Route	0	0	<0.05	2.6	2	21	0	2.1	0	0	0	0	0	0
	Cutfoot Variation	0	0	0	1.2	0	1	0	0.9	0	0	0	0	0	0
Effie Variation Area	Proposed Blue Route	0	0	0.9	11.4	5	109	0.5	8.6	1	33	<0.5	32	0	0
	Proposed Orange Route	0	0	1.3	13.9	6	166	0.8	10.3	3	58	0	16	0	0
	Effie Variation	0	0	1.2	19.2	6	150	0.7	12.6	<0.5	26	0	11	0.5	5.8
East Bear Lake Variation Area	Proposed Orange Route	0	0	0.3	3.8	0	13	0.3	3.3	0	0	0	0	0	0
	East Bear Lake Variation	0	0	0.2	7.2	0	17	0.1	5.1	0	2	0	0	0	0.3
Balsam Variation Area	Proposed Blue Route	0	0	0.3	7.7	6	100	0.3	5.6	0	36	6	117	0	0
	Proposed Orange Route	0	0	0.4	9.9	0	6	0.2	5.1	0	8	0	3	0	0
	Balsam Variation	0	0	0.3	7.6	2	126	0.2	4.3	0	41	0	4	0	0
Dead Man's Pond Variation Area	Proposed Blue Route	0	0	0	1.0	0	19	0	1.0	0	2	0	19	0	0
	Dead Man's Pond Variation	0	0	0	0.9	0	3	0	0.9	0	5	0	1	0	0
Blackberry Variation Area	Proposed Blue Route	0.1	1.3	0.1	1.8	0	12	0.1	1.8	0	13	0	0	0	0
	Proposed Orange Route	0.2	2.2	0.2	2.8	0	92	0.2	2.8	3	89	0	21	0	0

Dataset <sup>(1)</sup>		USFWS National Wetland Inventory <sup>(4)</sup>												MnDNR Shallow Lakes		MnDNR Wild Rice Lakes		State Trails		County/Local Parks	
Type		PEM		PSS		PFO		PUB		River		Lake		--		--		--		--	
Unit		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Length (mi)		Area (ac)	
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	220	3,060	94	1,635	150	1,653	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Border Crossing Pine Creek Variation	225	2,978	94	1,476	96	1,242	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Border Crossing Hwy 310 Variation	152	1,919	93	1,464	65	1,251	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Border Crossing 500kV Variation	35	447	107	1,450	30	665	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Border Crossing 230kV Variation	30	366	49	763	23	515	0	<0.5	0	0	0	0	0	0	0	0	0	0	0	0
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	279	3,644	136	2,033	132	1,697	0	<0.5	0	0	0	0	0	0	0	0	0	0	0	0
	Roseau Lake WMA Variation 1	45	803	21	398	35	461	<0.5	10	<0.5	12	0	0	0	0	0	0	0	0	0	0
	Roseau Lake WMA Variation 2	131	1,804	88	1,295	53	739	0	4	<0.5	18	0	0	0	0	0	0	0	0	0	0
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	85	1,036	128	1,943	253	3,662	<0.5	4	0	<0.5	0	0	9	67	0	0	0	0	0	0
	Cedar Bend WMA Variation	45	549	14	251	95	1,575	<0.5	3	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami North Variation Area	Proposed Blue/Orange Route	22	303	87	1,456	213	3,209	<0.5	3	0	<0.5	0	0	9	67	0	0	0	0	0	0
	Beltrami North Variation 1	9	220	99	1,326	185	2,800	0	1	0	0	0	0	0	13	0	0	0	0	0	0
	Beltrami North Variation 2	45	616	128	1,883	217	3,380	<0.5	<0.5	0	<0.5	0	0	9	67	0	0	0	0	0	0
Beltrami North Central Variation Area	Proposed Blue/Orange Route	23	430	130	1,449	119	2,244	<0.5	3	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 1	25	403	97	1,574	191	2,769	0	<0.5	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 2	26	500	118	1,452	147	2,482	0	3	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 3	12	247	115	1,685	154	2,393	<0.5	3	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 4	28	445	108	1,518	169	2,572	<0.5	2	0	0	0	0	0	0	0	0	0	0	0	0
Pine Island Variation Area	Proposed Blue Route	200	1,822	657	9,654	1,240	19,733	3	62	3	50	0	0	0	0	0	0	<0.05	0.6	0	0
	Proposed Orange Route	54	1,087	774	11,289	1,039	15,490	7	106	<0.5	13	0	0	0	0	0	0	<0.05	0.6	0	0
Beltrami South Central Variation Area	Proposed Orange Route	2	156	8	207	20	230	0	<0.5	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami South Central Variation	4	130	28	451	11	187	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami South Variation Area	Proposed Orange Route	3	145	40	564	93	1,477	0	<0.5	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami South Variation	3	56	20	407	160	2,427	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Black River Variation Area	Proposed Blue Route	8	180	72	1,136	113	1,834	<0.5	3	0	0	0	0	0	0	0	0	0	0	0	0
	North Black River Variation	42	517	83	1,015	73	1,631	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C2 Segment Option Variation Area	Proposed Blue Route	14	183	80	1,232	633	9,347	<0.5	10	1	23	0	0	0	0	0	0	<0.05	0.6	0	0
	C2 Segment Option Variation	66	739	175	2,944	585	8,238	1	28	2	47	0	12	0	0	0	0	<0.05	0.6	0	0
J2 Segment Option Variation Area	Proposed Orange Route	21	324	96	1,587	388	5,529	5	85	0	0	0	0	0	0	0	0	<0.05	0.6	0	0
	J2 Segment Option Variation	28	480	97	1,394	215	3,540	13	151	0	0	0	19	0	31	0	0	<0.05	0.6	0	0
Northome Variation Area	J2 Segment Option Variation	2	39	6	123	8	118	8	54	0	0	0	0	0	22	0	0	0	0	0	0
	Northome Variation	3	65	2	91	6	139	0	8	0	0	3	40	1	52	0	0	0	0	0	0
Cutfoot Variation Area	Proposed Orange Route	3	36	3	97	49	664	2	21	0	0	0	0	0	0	0	0	0	0	0	0
	Cutfoot Variation	3	38	5	51	59	867	0	<0.5	0	0	0	0	0	0	0	0	0	0	0	0
Effie Variation Area	Proposed Blue Route	18	274	164	2,264	255	3,927	4	59	3	21	<0.5	50	0	0	0	0	0.1	2.7	0	24
	Proposed Orange Route	12	199	155	2,082	217	3,628	4	121	<0.5	7	2	45	0	0	0	0	<0.05	1.2	0	24
	Effie Variation	30	468	104	2,087	273	4,057	6	120	0	0	0	28	0	0	0	0	<0.05	0.9	0	0
East Bear Lake Variation Area	Proposed Orange Route	5	52	64	871	34	658	0	13	0	0	0	0	0	0	0	0	<0.05	1.2	0	0
	East Bear Lake Variation	2	54	40	873	47	575	0	17	0	0	0	0	0	0	0	0	<0.05	0.9	0	0
Balsam Variation Area	Proposed Blue Route	1	49	33	490	14	334	0	8	0	0	6	92	0	14	5	40	0	0	0	0
	Proposed Orange Route	10	98	38	436	21	356	0	3	0	0	0	3	0	3	0	0	0	0	0	0
	Balsam Variation	11	126	55	638	28	490	2	23	0	0	0	35	0	11	0	0	0	0	0	0
Dead Man's Pond Variation Area	Proposed Blue Route	0	0	11	130	3	40	0	0	0	0	0	19	0	0	0	0	0	0	0	0
	Dead Man's Pond Variation	0	0	2	59	2	54	0	0	0	0	0	3	0	0	0	0	0	0	0	0
Blackberry Variation Area	Proposed Blue Route	0	9	15	247	36	482	0	3	0	0	0	9	0	14	0	0	0	0	0	0
	Proposed Orange Route	1	21	10	202	29	419	0	31	0	0	0	61	0	46	0	0	0	0	0	0

Dataset <sup>(1)</sup>		State Forests		USDA-USFS National Forest		State Scenic Byways		State Snowmobile Trails		State Water Trails		State Conservation Easements	
Type		--		--		--		--		--		--	
Unit		Area (ac)		Area (ac)		Length (mi)		Length (mi)		Length (mi)		Area (ac)	
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	394	5,231	0	0	0	1.0	0.1	4.4	0	0	0	0
	Border Crossing Pine Creek Variation	339	4,490	0	0	0	1.0	0.1	2.3	0	0	0	0
	Border Crossing Hwy 310 Variation	294	4,191	0	0	0	1.0	2.4	6.0	0	0	0	0
	Border Crossing 500kV Variation	120	1,722	0	0	0	1.0	0.4	3.6	0	0	0	0
	Border Crossing 230kV Variation	96	1,509	0	0	0	1.0	<0.05	0.7	0	0	0	0
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	334	4,473	0	0	<0.05	1.0	0.1	2.0	0	0	0	0
	Roseau Lake WMA Variation 1	6	96	0	0	<0.05	1.0	0.3	9.6	0	0	0	0
	Roseau Lake WMA Variation 2	52	751	0	0	<0.05	1.0	0.3	7.4	0	0	0	0
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	372	5,507	0	0	<0.05	1.0	0.2	8.0	0	0	0	0
	Cedar Bend WMA Variation	78	1,305	0	0	<0.05	1.0	0.8	2.6	0	0	0	0
Beltrami North Variation Area	Proposed Blue/Orange Route	372	5,507	0	0	0	0	0.1	7.4	0	0	0	0
	Beltrami North Variation 1	291	4,420	0	0	0	0	0.3	7.6	0	0	0	0
	Beltrami North Variation 2	462	6,996	0	0	0	0	0.7	11.8	0	0	0	0
Beltrami North Central Variation Area	Proposed Blue/Orange Route	224	3,476	0	0	0	0	0.1	2.5	0	0	0	0
	Beltrami North Central Variation 1	237	3,632	0	0	0	0	0.1	2.1	0	0	0	0
	Beltrami North Central Variation 2	255	3,921	0	0	0	0	0.1	1.7	0	0	0	0
	Beltrami North Central Variation 3	184	2,790	0	0	0	0	0.1	5.9	0	0	0	0
	Beltrami North Central Variation 4	178	2,746	0	0	0	0	0.1	5.6	0	0	0	0
	Beltrami North Central Variation 5	230	3,587	0	0	0	0	0.1	1.8	0	0	0	0
Pine Island Variation Area	Proposed Blue Route	2,291	34,154	0	0	0	0	0.5	9.1	<0.05	0.8	120	1,638
	Proposed Orange Route	1,980	29,679	0	0	0	0	0.8	16.0	0.1	0.9	<0.5	49
Beltrami South Central Variation Area	Proposed Orange Route	30	607	0	0	0	0	<0.05	0.7	0	0	0	0
	Beltrami South Central Variation	43	784	0	0	0	0	<0.05	0.6	0	0	0	0
Beltrami South Variation Area	Proposed Orange Route	136	2,196	0	0	0	0	0	0	0	0	0	0
	Beltrami South Variation	183	2,898	0	0	0	0	0	0	0	0	0	0
North Black River Variation Area	Proposed Blue Route	188	2,751	0	0	0	0	0.1	2.4	0	0	0	0
	North Black River Variation	156	2,405	0	0	0	0	0.1	1.8	0	0	0	0
C2 Segment Option Variation Area	Proposed Blue Route	797	12,103	0	0	0	0	0.2	3.7	<0.05	0.8	0	0
	C2 Segment Option Variation	274	4,390	0	0	0	0	<0.05	1.2	<0.05	1.2	0	0
J2 Segment Option Variation Area	Proposed Orange Route	851	12,840	0	0	0	0	0.6	5.5	0	0	0	0
	J2 Segment Option Variation	715	10,803	0	0	<0.05	1.0	0.1	4.0	0	0	0	0
Northome Variation Area	J2 Segment Option Variation	<0.5	82	0	0	0	0	0	0	0	0	0	0
	Northome Variation	<0.5	83	0	171	0	0	0	0	0	0	0	0
Cutfoot Variation Area	Proposed Orange Route	103	1,697	0	0	0	0	0	0	0	0	0	0
	Cutfoot Variation	116	1,887	0	0	0	0	0	0	0	0	0	0
Effie Variation Area	Proposed Blue Route	909	13,699	0	0	0	0	0.4	6.9	0	0	200	2,661
	Proposed Orange Route	958	14,434	0	0	0	0	0.4	7.0	0	0	196	2,483
	Effie Variation	1,086	16,361	0	0	0	0	0.3	5.0	0	0	293	4,269
East Bear Lake Variation Area	Proposed Orange Route	217	3,404	0	0	0	0	0.1	3.4	0	0	0	0
	East Bear Lake Variation	256	3,977	0	0	0	0	0.2	4.2	0	0	0	0
Balsam Variation Area	Proposed Blue Route	0	0	0	0	0	0	0.1	3.7	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	0	0.2	5.7	0	0	3	53
	Balsam Variation	0	0	0	0	0	0	4.9	9.0	0	0	0	0
Dead Man's Pond Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0
	Dead Man's Pond Variation	0	0	0	0	0	0	0	0	0	0	0	0
Blackberry Variation Area	Proposed Blue Route	0	0	0	0	0	0	0.1	2.0	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	0	0.3	5.1	0	0	0	0

Dataset <sup>(1)</sup>		MBS Sites of Biodiversity Significance <sup>(5)</sup>											
		Type		High		Moderate		Below		Rank Unknown		Total	
Unit		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)	
		Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	80	1,028	45	602	253	3,521	3	76	0	0	381	5,227
	Border Crossing Pine Creek Variation	25	300	45	602	253	3,521	3	76	0	0	326	4,499
	Border Crossing Hwy 310 Variation	29	347	45	602	188	2,840	3	76	0	0	265	3,865
	Border Crossing 500kV Variation	0	0	62	965	59	845	42	596	0	0	162	2,406
	Border Crossing 230kV Variation	0	0	42	634	41	618	8	155	0	0	91	1,407
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	19	264	88	1,241	253	3,521	44	510	0	0	404	5,537
	Roseau Lake WMA Variation 1	7	98	0	0	0	0	8	100	0	0	14	198
	Roseau Lake WMA Variation 2	7	98	70	1,084	0	0	77	981	0	0	153	2,162
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	0	0	43	732	327	4,751	83	961	0	0	454	6,444
	Cedar Bend WMA Variation	0	0	0	55	60	929	52	886	0	0	112	1,870
Beltrami North Variation Area	Proposed Blue/Orange Route	0	0	0	93	327	4,751	42	527	0	0	369	5,370
	Beltrami North Variation 1	0	0	6	108	226	3,443	45	629	0	0	276	4,180
	Beltrami North Variation 2	0	0	30	616	429	6,234	0	0	0	0	460	6,850
Beltrami North Central Variation Area	Proposed Blue/Orange Route	0	0	101	1,752	43	901	0	0	0	0	145	2,653
	Beltrami North Central Variation 1	0	0	15	525	82	1,444	0	0	0	0	97	1,970
	Beltrami North Central Variation 2	0	0	115	1,986	58	999	0	0	0	0	174	2,985
	Beltrami North Central Variation 3	0	0	15	452	90	1,231	0	0	0	0	105	1,683
	Beltrami North Central Variation 4	0	0	0	157	90	1,231	0	0	12	261	102	1,648
	Beltrami North Central Variation 5	0	0	0	230	82	1,444	0	0	12	261	94	1,935
Pine Island Variation Area	Proposed Blue Route	118	2,895	210	2,919	10	190	0	0	1,175	16,996	1,514	22,999
	Proposed Orange Route	476	7,418	335	5,032	274	4,097	0	0	555	8,292	1,639	24,840
Beltrami South Central Variation Area	Proposed Orange Route	0	0	30	607	0	0	0	0	0	0	30	607
	Beltrami South Central Variation	0	0	43	784	0	0	0	0	0	0	43	784
Beltrami South Variation Area	Proposed Orange Route	22	400	98	1,469	0	0	0	0	0	0	120	1,869
	Beltrami South Variation	62	898	99	1,552	0	0	0	0	0	0	161	2,449
North Black River Variation Area	Proposed Blue Route	0	126	165	2,330	0	0	0	0	0	0	165	2,456
	North Black River Variation	5	1,043	105	1,190	0	0	0	0	0	0	109	2,233
C2 Segment Option Variation Area	Proposed Blue Route	92	1,632	8	109	0	0	0	0	542	7,894	642	9,636
	C2 Segment Option Variation	149	1,679	181	2,742	0	0	0	0	181	2,795	510	7,216
J2 Segment Option Variation Area	Proposed Orange Route	26	568	0	0	137	2,042	0	0	326	5,005	489	7,615
	J2 Segment Option Variation	3	113	0	0	0	21	0	0	182	3,105	185	3,238
Northome Variation Area	J2 Segment Option Variation	0	0	0	0	0	0	0	0	0	0	0	0
	Northome Variation	0	0	0	0	0	76	0	0	0	0	0	76
Cutfoot Variation Area	Proposed Orange Route	0	0	0	0	32	450	0	0	11	261	43	711
	Cutfoot Variation	0	0	0	0	47	648	0	0	14	264	60	912
Effie Variation Area	Proposed Blue Route	56	742	179	2,611	187	2,924	0	0	0	128	422	6,405
	Proposed Orange Route	56	742	108	1,627	257	3,844	69	1,082	0	128	490	7,424
	Effie Variation	0	18	20	581	158	2,799	166	1,899	82	1,295	427	6,592
East Bear Lake Variation Area	Proposed Orange Route	0	0	108	1,607	40	735	69	1,066	0	0	217	3,408
	East Bear Lake Variation	0	0	20	467	57	1,228	178	2,186	0	0	255	3,881
Balsam Variation Area	Proposed Blue Route	0	0	0	18	78	1,197	0	0	0	0	78	1,215
	Proposed Orange Route	0	0	28	593	78	1,197	0	0	0	0	105	1,790
	Balsam Variation	18	375	14	380	63	936	0	0	0	0	95	1,691
Dead Man's Pond Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0
	Dead Man's Pond Variation	0	0	0	0	0	0	0	0	0	0	0	0
Blackberry Variation Area	Proposed Blue Route	0	0	40	577	17	292	0	0	0	0	57	869
	Proposed Orange Route	0	0	38	583	41	739	0	0	0	0	79	1,323

Dataset <sup>(1)</sup>	MBS Native Plant Communities <sup>(6)(7)</sup>	MnDNR Scientific and Natural Areas		MnDNR High Conservation Value Forest		MnDNR Scientific and Natural Area, Peatland Watershed Protection Areas		MnDNR Ecologically Important Lowland Conifer Areas		Minnesota Department of Health Well Head Protection Areas		MnDNR State Wildlife Management Areas		USFWS Interest Lands			Audubon Society Important Bird Areas				
		Type	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)			
Unit	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)			
Buffer <sup>(2)</sup> (ft)	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	150	1,500	100	1,500		
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	124	1,597	0	17	82	965	178	2,361	0	0	0	0	25	530	0	0	0	0	0	
	Border Crossing Pine Creek Variation	68	886	0	0	27	267	123	1,645	0	0	0	0	25	530	0	0	0	0	0	
	Border Crossing Hwy 310 Variation	69	931	0	0	29	343	97	1,454	0	0	0	0	0	0	0	0	0	0	0	
	Border Crossing 500kV Variation	60	932	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Border Crossing 230kV Variation	34	590	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	107	1,467	0	0	22	261	117	1,638	0	0	0	0	69	1,107	0	0	0	0	0	
	Roseau Lake WMA Variation 1	5	87	0	0	6	97	6	96	0	0	0	0	0	0	0	0	10	0	0	
	Roseau Lake WMA Variation 2	75	1,144	0	0	6	97	6	96	0	0	0	0	44	635	0	0	0	0	0	
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	43	612	0	0	8	61	0	0	0	0	0	0	44	577	6	10	224	0	0	
	Cedar Bend WMA Variation	0	50	0	0	0	0	0	0	0	0	0	<0.5	78	0	0	0	0	0	0	
Beltrami North Variation Area	Proposed Blue/Orange Route	0	0	0	0	8	61	0	0	0	0	0	0	0	0	6	10	224	0	0	
	Beltrami North Variation 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	
	Beltrami North Variation 2	30	521	0	0	8	61	0	8	0	0	0	0	0	0	0	0	145	23	355	
Beltrami North Central Variation Area	Proposed Blue/Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	27	357	117	1,834	
	Beltrami North Central Variation 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	536	
	Beltrami North Central Variation 2	0	0	0	0	0	0	23	310	0	0	0	0	0	0	1	1	309	157	2,412	
	Beltrami North Central Variation 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	536	
	Beltrami North Central Variation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	33	564	
	Beltrami North Central Variation 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	33	564	
Pine Island Variation Area	Proposed Blue Route	ND	ND	0	100	0	0	125	1,772	29	448	0	0	49	820	8	12	93	1,405	20,962	
	Proposed Orange Route	ND	ND	0	50	0	0	247	3,926	5	85	0	0	274	3,947	16	24	239	1,722	26,341	
Beltrami South Central Variation Area	Proposed Orange Route	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	16	24	154	30	607	
	Beltrami South Central Variation	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	43	784	
Beltrami South Variation Area	Proposed Orange Route	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	<0.5	44	136	2,196	
	Beltrami South Variation	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	183	2,898	
North Black River Variation Area	Proposed Blue Route	ND	ND	0	0	0	0	86	1,335	0	0	0	0	0	0	0	0	0	0	191	2,937
	North Black River Variation	ND	ND	0	0	0	0	94	1,440	0	0	0	0	0	0	0	0	0	0	214	3,280
C2 Segment Option Variation Area	Proposed Blue Route	ND	ND	0	0	0	0	0	4	7	82	0	0	0	0	0	0	0	469	7,106	
	C2 Segment Option Variation	ND	ND	0	155	0	0	26	1,248	6	52	0	0	0	0	0	0	0	406	6,161	
J2 Segment Option Variation Area	Proposed Orange Route	ND	ND	0	0	0	0	0	7	0	37	0	0	0	0	0	0	0	262	4,445	
	J2 Segment Option Variation	ND	ND	0	0	0	0	0	0	0	6	0	0	0	0	28	40	368	72	1,158	
Northome Variation Area	J2 Segment Option Variation	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	28	40	368	0	0	
	Northome Variation	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170	
Cutfoot Variation Area	Proposed Orange Route	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Cutfoot Variation	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Effie Variation Area	Proposed Blue Route	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	1,035	
	Proposed Orange Route	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	1,035	
	Effie Variation	ND	ND	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	
East Bear Lake Variation Area	Proposed Orange Route	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	East Bear Lake Variation	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Balsam Variation Area	Proposed Blue Route	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Proposed Orange Route	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Balsam Variation	ND	ND	0	0	0	0	0	0	0	0	63	995	0	0	0	0	0	0	76	
Dead Man's Pond Variation Area	Proposed Blue Route	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Dead Man's Pond Variation	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Blackberry Variation Area	Proposed Blue Route	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Proposed Orange Route	ND	ND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Dataset <sup>(1)</sup>		USFWS Grassland Bird Conservation Areas		MnDNR Gray Owl Management Area		GAP Land Cover Vegetation Class Level - Division 4													
Type		--		--		Herbaceous Agricultural Vegetation		North American Boreal Forest		North American Boreal Flooded & Swamp Forest		Eastern North American Cool Temperate Forest		Eastern North American Flooded & Swamp Forest		Great Plains Grassland & Shrubland		Developed & Urban	
Unit		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)	
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	81	1,406	0	0	162	2,784	56	715	341	4,987	6	52	7	83	0	9	6	178
	Border Crossing Pine Creek Variation	81	1,406	0	0	227	3,609	56	689	300	4,425	6	53	7	82	0	9	9	246
	Border Crossing Hwy 310 Variation	81	1,270	0	123	126	1,901	50	601	226	3,722	5	51	8	82	0	7	21	183
	Border Crossing 500kV Variation	0	26	0	0	52	819	40	517	131	2,009	10	241	2	30	0	3	5	79
	Border Crossing 230kV Variation	0	0	0	0	70	1,057	26	417	88	1,300	9	144	2	35	0	8	3	76
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	131	1,931	0	0	196	3,364	73	891	388	5,791	16	138	39	519	0	15	12	266
	Roseau Lake WMA Variation 1	40	648	0	0	866	12,616	30	570	61	1,098	25	397	35	477	2	32	41	785
	Roseau Lake WMA Variation 2	220	3,499	0	0	531	8,783	57	753	165	2,790	15	153	39	553	2	19	94	588
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	50	525	0	0	41	844	110	1,630	338	4,950	37	465	58	989	0	6	10	171
	Cedar Bend WMA Variation	10	130	0	0	186	2,625	57	1,089	117	2,126	28	349	64	612	0	6	12	341
Beltrami North Variation Area	Proposed Blue/Orange Route	0	0	0	0	6	84	94	1,440	242	3,548	27	383	26	590	0	0	5	67
	Beltrami North Variation 1	0	0	0	0	12	358	84	1,285	221	3,134	24	314	38	658	0	0	3	95
	Beltrami North Variation 2	0	0	0	0	0	22	117	1,935	300	4,331	21	327	35	597	0	0	2	59
Beltrami North Central Variation Area	Proposed Blue/Orange Route	0	0	0	0	0	1	66	1,421	177	2,237	4	95	30	552	0	0	2	34
	Beltrami North Central Variation 1	0	0	0	0	4	49	104	1,917	180	2,369	5	101	34	618	0	0	2	38
	Beltrami North Central Variation 2	0	0	0	0	0	0	78	1,484	179	2,359	4	102	42	708	0	0	1	32
	Beltrami North Central Variation 3	0	0	0	0	4	49	103	1,690	147	2,156	6	90	31	524	0	0	2	51
	Beltrami North Central Variation 4	0	0	0	0	12	276	114	1,899	130	2,006	10	137	53	632	0	0	6	85
	Beltrami North Central Variation 5	0	0	0	0	12	277	115	2,125	163	2,219	9	148	55	727	0	0	5	72
Pine Island Variation Area	Proposed Blue Route	0	0	0	0	57	985	785	12,216	1,372	21,527	31	374	366	4,086	0	0	15	410
	Proposed Orange Route	0	0	0	0	9	308	769	11,921	1,323	19,396	70	970	358	5,398	0	0	12	204
Beltrami South Central Variation Area	Proposed Orange Route	0	0	0	0	0	0	2	143	24	284	0	11	5	160	0	0	0	7
	Beltrami South Central Variation	0	0	0	0	0	0	6	111	32	534	0	9	5	125	0	0	0	6
Beltrami South Variation Area	Proposed Orange Route	0	0	0	0	0	0	16	341	114	1,713	1	24	4	107	0	0	1	10
	Beltrami South Variation	0	0	0	0	0	0	35	597	139	2,109	2	26	7	155	0	0	0	10
North Black River Variation Area	Proposed Blue Route	0	0	0	0	0	0	47	726	144	2,260	0	11	12	193	0	0	0	19
	North Black River Variation	0	34	0	0	3	69	49	835	114	2,061	5	54	29	346	0	0	13	99
C2 Segment Option Variation Area	Proposed Blue Route	0	0	0	0	0	0	248	3,776	484	7,413	1	23	56	710	0	0	2	53
	C2 Segment Option Variation	0	0	0	0	10	167	162	3,332	728	10,766	5	49	185	1,974	0	0	12	292
J2 Segment Option Variation Area	Proposed Orange Route	0	0	0	0	1	153	477	7,232	319	4,770	36	453	176	2,655	0	0	4	62
	J2 Segment Option Variation	0	0	0	0	3	164	650	9,568	124	1,921	99	1,250	191	3,121	0	0	7	135
Northhome Variation Area	J2 Segment Option Variation	0	0	0	0	0	64	71	1,153	2	23	10	165	6	77	0	0	0	0
	Northhome Variation	0	0	0	0	0	0	81	1,308	0	25	10	134	5	87	0	0	0	0
Cutfoot Variation Area	Proposed Orange Route	0	0	0	0	0	0	30	680	28	380	2	12	39	580	0	0	2	12
	Cutfoot Variation	0	0	0	0	0	0	64	894	30	509	1	20	20	451	0	0	1	12
Effie Variation Area	Proposed Blue Route	0	0	0	0	0	0	473	7,085	399	5,806	25	428	81	1,404	0	0	6	143
	Proposed Orange Route	0	0	0	0	0	0	569	8,422	339	5,169	40	653	99	1,557	0	0	5	120
	Effie Variation	0	0	0	0	0	0	556	8,919	364	5,656	35	750	208	2,371	0	0	11	233
East Bear Lake Variation Area	Proposed Orange Route	0	0	0	0	0	0	103	1,584	94	1,452	6	91	13	254	0	0	1	10
	East Bear Lake Variation	0	0	0	0	0	0	140	2,140	77	1,189	10	242	24	339	0	0	2	26
Balsam Variation Area	Proposed Blue Route	0	0	0	0	0	4	205	2,894	12	360	53	888	29	399	0	0	6	109
	Proposed Orange Route	0	0	0	0	3	70	208	3,034	15	388	47	877	47	529	0	0	6	118
	Balsam Variation	0	0	0	0	5	72	234	4,045	40	657	60	942	68	545	0	0	9	159
Dead Man's Pond Variation Area	Proposed Blue Route	0	0	0	0	0	0	34	625	2	54	14	198	1	28	0	0	4	33
	Dead Man's Pond Variation	0	0	0	0	0	2	43	730	3	41	6	127	2	27	0	0	1	29
Blackberry Variation Area	Proposed Blue Route	0	0	0	0	1	50	60	942	30	374	33	564	7	124	0	0	1	28
	Proposed Orange Route	0	0	0	0	13	192	52	705	26	417	49	747	3	113	0	0	1	36

Dataset <sup>(1)</sup>		GAP Land Cover Vegetation Class Level - Division 4									
Type		Recently Disturbed or Modified		Open Water		Southeastern North American Flooded & Swamp Forest		Eastern North America Freshwater Wet Meadow, Riparian & Marsh		Introduced & Semi Natural Vegetation	
Unit		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)	
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	2	28	27	324	0	0	0	0	0	0
	Border Crossing Pine Creek Variation	2	27	17	274	0	0	0	0	0	0
	Border Crossing Hwy 310 Variation	1	17	16	286	0	0	0	0	0	0
	Border Crossing 500kV Variation	3	12	0	15	0	0	0	0	0	0
	Border Crossing 230kV Variation	1	6	0	4	0	0	0	0	0	0
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	6	64	17	274	0	0	1	11	0	0
	Roseau Lake WMA Variation 1	3	53	2	22	6	73	0	0	0	0
	Roseau Lake WMA Variation 2	5	63	2	46	0	9	1	11	0	0
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	4	60	0	5	0	0	1	11	0	0
	Cedar Bend WMA Variation	13	137	0	3	0	0	0	4	0	1
Beltrami North Variation Area	Proposed Blue/Orange Route	1	25	0	5	0	0	0	0	0	0
	Beltrami North Variation 1	2	48	0	4	0	0	0	0	0	0
	Beltrami North Variation 2	1	20	1	6	0	0	0	0	0	0
Beltrami North Central Variation Area	Proposed Blue/Orange Route	0	15	1	6	0	0	0	0	0	0
	Beltrami North Central Variation 1	1	26	1	6	0	0	0	0	0	0
	Beltrami North Central Variation 2	0	16	1	8	0	0	0	0	0	0
	Beltrami North Central Variation 3	1	24	1	6	0	0	0	0	0	0
	Beltrami North Central Variation 4	6	46	0	2	0	0	0	0	0	0
	Beltrami North Central Variation 5	6	49	0	2	0	0	0	0	0	0
Pine Island Variation Area	Proposed Blue Route	21	245	12	200	0	0	0	0	1	3
	Proposed Orange Route	8	131	7	128	0	0	0	0	0	1
Beltrami South Central Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0
	Beltrami South Central Variation	0	0	0	0	0	0	0	0	0	0
Beltrami South Variation Area	Proposed Orange Route	<0.5	1	0	0	0	0	0	0	0	0
	Beltrami South Variation	0	0	0	0	0	0	0	0	0	0
North Black River Variation Area	Proposed Blue Route	0	1	0	0	0	0	0	0	0	0
	North Black River Variation	10	26	0	5	0	0	0	0	0	0
C2 Segment Option Variation Area	Proposed Blue Route	2	41	4	84	0	0	0	0	0	3
	C2 Segment Option Variation	10	212	1	64	0	0	0	0	1	16
J2 Segment Option Variation Area	Proposed Orange Route	6	83	5	104	0	0	0	0	0	0
	J2 Segment Option Variation	13	220	10	210	0	0	0	0	0	0
Northome Variation Area	J2 Segment Option Variation	1	24	1	17	0	0	0	0	0	0
	Northome Variation	0	16	3	61	0	0	0	1	0	0
Cutfoot Variation Area	Proposed Orange Route	0	3	3	30	0	0	0	0	0	0
	Cutfoot Variation	0	1	0	0	0	0	0	0	0	0
Effie Variation Area	Proposed Blue Route	4	96	10	123	0	0	0	0	0	0
	Proposed Orange Route	20	278	9	145	0	0	0	0	0	0
	Effie Variation	31	260	3	84	0	0	0	0	0	0
East Bear Lake Variation Area	Proposed Orange Route	0	9	0	7	0	0	0	0	0	0
	East Bear Lake Variation	2	32	1	13	0	0	0	0	0	0
Balsam Variation Area	Proposed Blue Route	2	60	7	145	0	0	0	0	0	0
	Proposed Orange Route	7	94	0	20	0	0	0	0	0	0
	Balsam Variation	16	132	3	86	0	0	0	0	0	0
Dead Man's Pond Variation Area	Proposed Blue Route	0	2	0	21	0	0	0	0	0	0
	Dead Man's Pond Variation	0	4	1	27	0	0	0	0	0	0
Blackberry Variation Area	Proposed Blue Route	1	28	0	0	0	0	0	0	0	0
	Proposed Orange Route	3	42	0	101	0	0	0	0	0	0

Dataset <sup>(1)</sup>		Farmland								USDA-NRCS Soil Type				Abandoned Transmission Line	
		Type		Prime Farmland If Drained		Farmland Of Statewide Importance		All Areas Are Prime Farmland		Mineral		Histosol		--	
Unit		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	--	--
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	497	7,088	103	1,869	4	85	3	123	176	2,975	431	6,190	0	0
	Border Crossing Pine Creek Variation	452	6,499	164	2,687	4	85	3	148	247	3,914	376	5,505	0	0
	Border Crossing Hwy 310 Variation	355	5,285	89	1,388	4	85	3	94	156	2,285	297	4,567	0	0
	Border Crossing 500kV Variation	158	2,268	76	1,322	0	0	9	134	125	1,927	119	1,797	0	0
	Border Crossing 230kV Variation	121	1,748	72	1,151	<0.5	19	5	132	101	1,718	97	1,331	0	0
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	561	7,899	143	2,793	23	299	18	344	295	4,893	450	6,441	0	0
	Roseau Lake WMA Variation 1	578	8,901	388	5,819	21	307	84	1,096	1,037	15,491	33	633	0	0
	Roseau Lake WMA Variation 2	498	7,167	356	5,634	23	299	33	670	612	9,507	298	4,263	0	0
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	497	7,159	68	1,499	18	237	15	236	427	6,865	172	2,266	0	0
	Cedar Bend WMA Variation	285	4,367	161	2,422	6	85	25	420	458	6,959	18	335	0	0
Beltrami North Variation Area	Proposed Blue/Orange Route	373	5,685	27	419	0	24	0	15	307	4,723	92	1,420	0	0
	Beltrami North Variation 1	356	5,435	19	365	0	0	8	99	306	4,670	77	1,228	0	0
	Beltrami North Variation 2	450	6,810	27	420	0	24	<0.5	44	381	5,691	96	1,606	0	0
Beltrami North Central Variation Area	Proposed Blue/Orange Route	275	4,306	0	0	6	56	0	0	164	2,828	116	1,534	0	0
	Beltrami North Central Variation 1	327	5,015	0	5	5	104	0	0	236	3,772	96	1,352	0	0
	Beltrami North Central Variation 2	305	4,696	0	0	0	13	0	0	185	3,119	120	1,591	0	0
	Beltrami North Central Variation 3	291	4,492	0	5	5	93	0	0	216	3,273	80	1,317	0	0
	Beltrami North Central Variation 4	290	4,420	13	258	20	363	6	43	251	3,908	78	1,176	0	0
	Beltrami North Central Variation 5	326	4,943	13	258	20	375	6	43	271	4,408	93	1,211	0	0
Pine Island Variation Area	Proposed Blue Route	1,995	30,317	307	4,768	289	3,943	70	1,019	1,229	19,102	1,433	20,945	0	0
	Proposed Orange Route	1,863	28,244	503	7,216	120	1,909	70	1,088	1,410	21,722	1,146	16,735	0	0
Beltrami South Central Variation Area	Proposed Orange Route	30	607	0	0	0	0	0	0	13	300	17	307	0	0
	Beltrami South Central Variation	43	784	0	0	0	0	0	0	9	220	34	563	0	0
Beltrami South Variation Area	Proposed Orange Route	136	2,196	0	0	0	<0.5	0	0	33	640	104	1,557	0	0
	Beltrami South Variation	183	2,898	0	0	0	0	0	0	57	1,049	126	1,848	0	0
North Black River Variation Area	Proposed Blue Route	163	2,444	12	316	29	451	0	0	44	887	160	2,324	0	0
	North Black River Variation	159	2,298	50	833	14	364	0	0	79	1,441	144	2,054	0	0
C2 Segment Option Variation Area	Proposed Blue Route	625	9,694	92	1,230	78	1,148	2	30	304	5,011	493	7,091	0	0
	C2 Segment Option Variation	790	11,979	124	1,893	177	2,605	25	396	581	9,163	535	7,710	0	0
J2 Segment Option Variation Area	Proposed Orange Route	530	8,382	373	5,122	60	979	61	1,029	803	12,448	221	3,064	0	0
	J2 Segment Option Variation	397	6,367	300	4,598	241	3,308	159	2,316	1,005	14,923	91	1,666	0	0
Northome Variation Area	J2 Segment Option Variation	30	498	2	76	39	616	20	333	91	1,510	0	13	0	0
	Northome Variation	28	538	15	96	28	508	28	490	99	1,597	0	34	0	0
Cutfoot Variation Area	Proposed Orange Route	48	803	53	754	2	84	0	57	64	1,193	39	505	0	0
	Cutfoot Variation	81	1,072	32	725	4	58	0	32	54	1,135	62	753	0	0
Effie Variation Area	Proposed Blue Route	600	9,310	158	2,344	121	1,736	118	1,695	721	11,024	275	4,061	0	0
	Proposed Orange Route	571	8,826	164	2,350	123	1,742	223	3,425	845	12,726	236	3,618	1	3
	Effie Variation	544	8,385	311	4,517	159	1,982	195	3,388	930	14,439	279	3,833	1	3
East Bear Lake Variation Area	Proposed Orange Route	132	2,167	1	40	0	0	84	1,201	136	2,206	81	1,202	0	0
	East Bear Lake Variation	95	1,693	36	493	0	0	124	1,795	214	3,082	42	899	0	0
Balsam Variation Area	Proposed Blue Route	109	1,787	50	790	0	0	156	2,282	275	4,117	39	742	0	0
	Proposed Orange Route	115	1,785	46	683	12	236	159	2,427	295	4,573	38	558	3	22
	Balsam Variation	230	3,410	61	830	1	24	141	2,375	363	5,617	70	1,021	12	66
Dead Man's Pond Variation Area	Proposed Blue Route	34	508	9	119	0	0	11	334	47	837	7	124	0	0
	Dead Man's Pond Variation	17	398	1	58	0	0	38	531	56	925	<0.5	63	0	0
Blackberry Variation Area	Proposed Blue Route	1	50	60	942	30	374	33	564	7	124	0	0	0	0
	Proposed Orange Route	57	1,003	8	100	2	65	80	1,186	109	1,764	38	590	0	0

Dataset <sup>(1)</sup>		Corridor Sharing <sup>(8)</sup>													
		Transmission Line only		Transmission Line and Trail		None		Field Line only		Road and Trail and PLSS		Road and Transmission Line and PLSS		PLSS only	
Type		Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Unit		Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)		--	--	--	--	--	--	--	--	--	--	--	--	--	--
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	2	7	0	0	15	59	0	0	0	0	0	0	3	11
	Border Crossing Pine Creek Variation	2	7	0	0	14	55	<0.5	2	<0.5	1	0	0	3	11
	Border Crossing Hwy 310 Variation	2	10	0	0	12	64	0	0	2	12	0	0	<0.5	2
	Border Crossing 500kV Variation	3	26	3	29	0	0	0	0	0	0	0	0	0	0
	Border Crossing 230kV Variation	6	70	0	0	0	0	0	0	0	0	0	0	0	0
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	4	14	0	0	12	40	0	0	0	0	0	0	3	9
	Roseau Lake WMA Variation 1	3	7	0	0	20	46	14	32	<0.5	<0.5	0	0	1	1
	Roseau Lake WMA Variation 2	4	11	0	0	11	29	6	15	<0.5	<0.5	0	0	0	0
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	13	53	2	8	0	0	0	0	0	0	0	0	0	0
	Cedar Bend WMA Variation	19	97	1	3	0	0	0	0	0	0	0	0	0	0
Beltrami North Variation Area	Proposed Blue/Orange Route	11	65	2	12	0	0	0	0	0	0	0	0	0	0
	Beltrami North Variation 1	6	36	2	13	4	26	0	2	0	0	0	0	0	0
	Beltrami North Variation 2	5	24	2	10	9	47	0	0	0	0	0	0	0	0
Beltrami North Central Variation Area	Proposed Blue/Orange Route	11	95	1	5	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 1	7	48	0	0	7	52	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 2	6	49	0	0	6	51	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 3	4	36	4	34	4	30	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 4	8	62	4	31	1	8	0	0	0	0	0	0	0	0
Pine Island Variation Area	Proposed Blue Route	29	27	0	0	58	53	1	1	0	0	<0.5	<0.5	8	7
	Proposed Orange Route	20	19	4	4	76	72	1	1	0	0	0	0	5	4
Beltrami South Central Variation Area	Proposed Orange Route	1	100	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami South Central Variation	0	0	0	0	2	100	0	0	0	0	0	0	0	0
Beltrami South Variation Area	Proposed Orange Route	6	100	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami South Variation	0	0	0	0	8	100	0	0	0	0	0	0	0	0
North Black River Variation Area	Proposed Blue Route	0	0	0	0	8	100	0	0	0	0	0	0	0	0
	North Black River Variation	1	15	0	0	0	0	0	0	0	0	6	69	0	0
C2 Segment Option Variation Area	Proposed Blue Route	0	0	0	0	31	94	0	0	0	0	0	0	2	6
	C2 Segment Option Variation	32	69	0	0	9	19	0	0	0	0	0	0	0	0
J2 Segment Option Variation Area	Proposed Orange Route	0	0	0	0	37	87	1	2	0	0	0	0	5	11
	J2 Segment Option Variation	0	0	0	0	38	85	1	1	0	0	0	0	6	13
Northome Variation Area	J2 Segment Option Variation	0	0	0	0	4	100	0	0	0	0	0	0	0	0
	Northome Variation	0	0	0	0	4	100	0	0	0	0	0	0	0	0
Cutfoot Variation Area	Proposed Orange Route	0	0	0	0	4	100	0	0	0	0	0	0	0	0
	Cutfoot Variation	0	0	0	0	5	100	0	0	0	0	0	0	0	0
Effie Variation Area	Proposed Blue Route	0	0	0	0	38	93	1	2	0	0	0	0	<0.5	1
	Proposed Orange Route	0	0	0	0	38	85	1	2	0	0	0	0	5	11
	Effie Variation	27	54	0	0	10	20	0	0	0	0	0	0	0	0
East Bear Lake Variation Area	Proposed Orange Route	0	0	0	0	4	45	0	0	0	0	0	0	5	55
	East Bear Lake Variation	4	42	0	0	6	58	0	0	0	0	0	0	0	0
Balsam Variation Area	Proposed Blue Route	0	0	2	15	10	79	0	0	0	0	0	0	0	0
	Proposed Orange Route	0	0	2	14	11	83	0	0	0	0	0	0	0	0
	Balsam Variation	0	0	0	0	11	64	0	0	0	0	0	0	0	0
Dead Man's Pond Variation Area	Proposed Blue Route	0	0	0	0	2	83	0	0	0	0	0	0	0	0
	Dead Man's Pond Variation	0	0	0	0	2	100	0	0	0	0	0	0	0	0
Blackberry Variation Area	Proposed Blue Route	1	20	0	0	4	79	0	0	0	0	0	0	0	0
	Proposed Orange Route	1	17	1	19	4	63	0	0	0	0	0	0	0	0

Dataset <sup>(1)</sup>		Corridor Sharing <sup>(8)</sup>													
Type		Road and Trail and PLSS and Field Line		Road and PLSS and Field Line		Transmission Line and PLSS		Transmission Line and Trail and PLSS		Road and PLSS		Transmission Line and PLSS and Field Line		Road and Transmission Line and PLSS and Field Line	
Unit		Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)		--	--	--	--	--	--	--	--	--	--	--	--	--	--
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	0	0	6	23	0	0	0	0	0	0	0	0	0	0
	Border Crossing Pine Creek Variation	<0.5	1	6	22	0	0	0	0	<0.5	1	0	0	0	0
	Border Crossing Hwy 310 Variation	0	0	2	12	0	0	0	0	0	0	0	0	0	0
	Border Crossing 500kV Variation	0	0	0	0	2	17	0	0	0	0	1	7	2	20
	Border Crossing 230kV Variation	0	0	0	0	2	30	0	0	0	0	0	0	0	0
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	0	0	6	19	4	12	0	0	0	0	1	4	1	4
	Roseau Lake WMA Variation 1	<0.5	1	1	2	0	0	0	0	<0.5	1	0	0	0	0
	Roseau Lake WMA Variation 2	<0.5	1	5	14	4	10	0	0	<0.5	1	1	3	1	3
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	0	0	0	0	4	18	3	12	0	0	1	5	1	4
	Cedar Bend WMA Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami North Variation Area	Proposed Blue/Orange Route	0	0	0	0	1	4	3	18	0	0	0	0	0	0
	Beltrami North Variation 1	0	0	0	0	1	4	3	19	0	0	0	0	0	0
	Beltrami North Variation 2	0	0	0	0	1	3	3	15	0	0	0	0	0	0
Beltrami North Central Variation Area	Proposed Blue/Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Island Variation Area	Proposed Blue Route	0	0	0	0	8	7	0	0	0	0	3	2	1	1
	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami South Central Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami South Central Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami South Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami South Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Black River Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	North Black River Variation	0	0	0	0	0	0	0	0	0	0	0	0	1	12
C2 Segment Option Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	C2 Segment Option Variation	0	0	0	0	4	8	0	0	0	0	2	4	0	0
J2 Segment Option Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	J2 Segment Option Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Northome Variation Area	J2 Segment Option Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Northome Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cutfoot Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cutfoot Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Effie Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Effie Variation	0	0	0	0	13	25	<0.5	1	0	0	0	0	0	0
East Bear Lake Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	East Bear Lake Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balsam Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Balsam Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dead Man's Pond Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dead Man's Pond Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blackberry Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Dataset <sup>(1)</sup>		Corridor Sharing <sup>(8)</sup>											
Type		PLSS and Field Line		Transmission Line and Field Line		Road and Transmission Line and Trail and PLSS		Road only		Trail and PLSS		Trail only	
Unit		Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)		--	--	--	--	--	--	--	--	--	--	--	--
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	0	0	0	0	0	0	0	0	0	0	0	0
	Border Crossing Pine Creek Variation	0	0	0	0	0	0	0	0	0	0	0	0
	Border Crossing Hwy 310 Variation	0	0	0	0	0	0	0	0	0	0	0	0
	Border Crossing 500kV Variation	0	0	0	0	0	0	0	0	0	0	0	0
	Border Crossing 230kV Variation	0	0	0	0	0	0	0	0	0	0	0	0
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	0	0	0	0	0	0	0	0	0	0	0	0
	Roseau Lake WMA Variation 1	4	9	<0.5	<0.5	0	0	0	0	0	0	0	0
	Roseau Lake WMA Variation 2	5	13	0	0	0	0	0	0	0	0	0	0
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	0	0	0	0	0	0	0	0	0	0	0	0
	Cedar Bend WMA Variation	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami North Variation Area	Proposed Blue/Orange Route	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Variation 1	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Variation 2	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami North Central Variation Area	Proposed Blue/Orange Route	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 1	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 2	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 3	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 4	0	0	0	0	0	0	0	0	0	0	0	0
Pine Island Variation Area	Proposed Blue Route	0	0	1	1	0	0	1	1	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami South Central Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami South Central Variation	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami South Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami South Variation	0	0	0	0	0	0	0	0	0	0	0	0
North Black River Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0
	North Black River Variation	0	0	0	0	<0.5	4	0	0	0	0	0	0
C2 Segment Option Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0
	C2 Segment Option Variation	0	0	<0.5	1	0	0	0	0	0	0	0	0
J2 Segment Option Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0
	J2 Segment Option Variation	1	1	0	0	0	0	0	0	0	0	0	0
Northome Variation Area	J2 Segment Option Variation	0	0	0	0	0	0	0	0	0	0	0	0
	Northome Variation	0	0	0	0	0	0	0	0	0	0	0	0
Cutfoot Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0
	Cutfoot Variation	0	0	0	0	0	0	0	0	0	0	0	0
Effie Variation Area	Proposed Blue Route	0	0	0	0	0	0	1	2	1	2	0	0
	Proposed Orange Route	0	0	0	0	0	0	1	2	0	0	0	0
	Effie Variation	0	0	0	0	0	0	0	0	0	0	0	0
East Bear Lake Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0
	East Bear Lake Variation	0	0	0	0	0	0	0	0	0	0	0	0
Balsam Variation Area	Proposed Blue Route	0	0	0	0	0	0	<0.5	3	0	0	<0.5	3
	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	<0.5	3
	Balsam Variation	0	0	0	0	0	0	0	0	0	0	6	36
Dead Man's Pond Variation Area	Proposed Blue Route	0	0	0	0	0	0	<0.5	17	0	0	0	0
	Dead Man's Pond Variation	0	0	0	0	0	0	0	0	0	0	0	0
Blackberry Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	<0.5	2
	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0

Dataset <sup>(1)</sup>		Residences						Churches		Commercial & Non-Residential Structures		Cemeteries		Private Airstrips		
Unit		Count						Count		Count		Count		Count		
Buffer <sup>(2)</sup> (ft)		100	150	200	500	1,000	1,500	100	1,500	100	1,500	100	1,500	100	1,500	5,280
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	0	0	0	2	2	3	0	0	0	5	0	0	0	0	0
	Border Crossing Pine Creek Variation	0	0	0	2	3	4	0	0	0	12	0	1	0	0	0
	Border Crossing Hwy 310 Variation	0	0	0	0	0	1	0	0	0	5	0	0	0	0	1
	Border Crossing 500kV Variation	0	0	0	0	0	3	0	0	0	6	0	0	0	0	0
	Border Crossing 230kV Variation	0	0	0	0	1	5	0	0	0	12	0	0	0	0	0
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	0	0	0	2	5	12	0	0	0	24	0	0	0	0	0
	Roseau Lake WMA Variation 1	0	0	0	3	19	50	0	0	0	233	0	0	0	0	1
	Roseau Lake WMA Variation 2	0	0	0	0	8	23	0	0	0	89	0	0	0	0	0
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	0	0	0	0	5	11	0	0	0	28	0	0	0	0	0
	Cedar Bend WMA Variation	0	3	6	16	52	101	0	0	2	153	0	0	0	0	0
Beltrami North Variation Area	Proposed Blue/Orange Route	0	0	0	0	2	3	0	0	0	16	0	0	0	0	0
	Beltrami North Variation 1	0	0	0	0	0	6	0	0	0	24	0	0	0	0	0
	Beltrami North Variation 2	0	0	0	0	0	1	0	0	2	9	0	0	0	0	0
Beltrami North Central Variation Area	Proposed Blue/Orange Route	0	0	0	1	2	3	0	0	0	6	0	0	0	0	0
	Beltrami North Central Variation 1	0	0	0	0	0	2	0	0	0	9	0	0	0	0	0
	Beltrami North Central Variation 2	0	0	0	1	1	2	0	0	0	6	0	0	0	0	0
	Beltrami North Central Variation 3	0	0	0	1	1	4	0	0	0	11	0	0	0	0	0
	Beltrami North Central Variation 4	0	0	0	3	5	10	0	0	3	26	0	0	0	0	0
	Beltrami North Central Variation 5	0	0	0	2	4	8	0	0	3	24	0	0	0	0	0
Pine Island Variation Area	Proposed Blue Route	0	0	0	1	9	14	0	0	1	24	0	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	2	0	0	0	14	0	0	0	0	1
Beltrami South Central Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami South Central Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami South Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami South Variation	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
North Black River Variation Area	Proposed Blue Route	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	North Black River Variation	0	0	1	3	4	5	0	0	0	12	0	0	0	0	0
C2 Segment Option Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	C2 Segment Option Variation	0	0	1	4	14	29	0	1	0	83	0	0	0	0	1
J2 Segment Option Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1
	J2 Segment Option Variation	0	0	0	1	5	6	0	0	0	12	0	0	0	0	0
Northome Variation Area	J2 Segment Option Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Northome Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cutfoot Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cutfoot Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Effie Variation Area	Proposed Blue Route	0	0	0	0	1	4	0	0	0	10	0	0	0	0	0
	Proposed Orange Route	0	0	0	1	2	5	0	0	0	7	0	0	0	0	0
	Effie Variation	0	0	0	1	10	14	0	0	0	13	0	0	0	0	0
East Bear Lake Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	East Bear Lake Variation	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Balsam Variation Area	Proposed Blue Route	0	0	0	0	3	7	0	0	0	8	0	0	0	0	0
	Proposed Orange Route	0	0	0	2	10	21	0	0	0	34	0	0	0	0	0
	Balsam Variation	0	0	0	2	5	11	0	1	0	36	0	0	0	0	0
Dead Man's Pond Variation Area	Proposed Blue Route	0	0	0	0	1	2	0	0	0	4	0	0	0	0	0
	Dead Man's Pond Variation	0	0	0	0	1	4	0	0	0	8	0	0	0	0	0
Blackberry Variation Area	Proposed Blue Route	0	0	0	2	6	11	0	0	0	21	0	0	0	0	0
	Proposed Orange Route	0	0	0	0	5	22	0	0	0	42	0	0	0	0	0

Dataset <sup>(1)</sup>		Historic Architectural Sites			Archaeological Sites			Communication Towers		State Aggregate Sources		MPCA Impaired Streams		National Hydrology Dataset Flowlines	
Unit		Count			Count			Count		Count		Count		Count	
Buffer <sup>(2)</sup> (ft)		100	1,500	5,280	100	1,500	5,280	100	1,500	100	1,500	100	1,500	100	1,500
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	0	0	0	0	0	2	0	0	0	0	1	1	19	44
	Border Crossing Pine Creek Variation	0	0	0	1	2	2	0	0	0	0	1	1	24	56
	Border Crossing Hwy 310 Variation	0	1	1	0	0	0	0	0	0	0	1	1	18	37
	Border Crossing 500kV Variation	0	0	0	1	1	1	0	0	0	0	0	0	8	16
	Border Crossing 230kV Variation	0	0	0	0	0	0	0	0	0	0	0	0	11	20
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	0	0	0	0	0	0	0	2	0	0	1	1	24	47
	Roseau Lake WMA Variation 1	0	1	1	0	3	9	0	2	0	1	2	2	49	106
	Roseau Lake WMA Variation 2	0	1	2	0	3	10	0	2	0	0	1	1	42	87
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	0	0	0	0	0	2	0	2	0	0	2	2	16	35
	Cedar Bend WMA Variation	0	0	8	1	2	3	0	3	0	0	3	3	19	30
Beltrami North Variation Area	Proposed Blue/Orange Route	0	0	0	0	0	2	0	0	0	0	2	2	11	26
	Beltrami North Variation 1	0	0	0	0	0	0	0	0	0	0	2	2	8	23
	Beltrami North Variation 2	0	0	2	1	2	4	0	0	0	0	2	2	14	29
Beltrami North Central Variation Area	Proposed Blue/Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	6	11
	Beltrami North Central Variation 1	0	0	0	0	0	0	0	0	0	0	0	0	8	13
	Beltrami North Central Variation 2	0	0	0	0	0	0	0	0	0	0	0	0	6	10
	Beltrami North Central Variation 3	0	0	0	0	0	0	0	0	0	0	0	0	6	14
	Beltrami North Central Variation 4	0	0	1	0	0	0	0	0	0	0	0	0	9	24
Beltrami North Central Variation 5	0	0	1	0	0	0	0	0	0	0	0	0	11	23	
Pine Island Variation Area	Proposed Blue Route	0	2	2	0	1	1	0	0	0	2	1	1	60	109
	Proposed Orange Route	0	0	7	0	0	1	0	0	2	4	1	2	63	100
Beltrami South Central Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	Beltrami South Central Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami South Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami South Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	1
North Black River Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	4	8
	North Black River Variation	0	0	0	0	0	0	0	0	0	0	0	0	11	12
C2 Segment Option Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	1	1	17	28
	C2 Segment Option Variation	0	0	0	0	0	1	0	1	0	0	2	2	8	18
J2 Segment Option Variation Area	Proposed Orange Route	0	0	2	0	0	1	0	0	2	4	0	0	31	44
	J2 Segment Option Variation	0	2	7	0	0	1	0	1	1	4	0	0	25	39
Northome Variation Area	J2 Segment Option Variation	0	0	0	0	0	1	0	0	0	0	0	0	0	3
	Northome Variation	0	0	0	0	1	1	0	0	0	1	0	0	2	2
Cutfoot Variation Area	Proposed Orange Route	0	0	0	0	0	1	0	0	1	2	0	0	1	4
	Cutfoot Variation	0	0	0	0	0	0	0	0	1	2	0	0	0	3
Effie Variation Area	Proposed Blue Route	0	1	1	0	0	1	0	0	0	2	0	0	13	19
	Proposed Orange Route	0	1	1	0	0	1	0	0	0	2	0	0	14	19
	Effie Variation	0	0	3	1	2	3	0	0	0	1	0	0	19	38
East Bear Lake Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	2	5
	East Bear Lake Variation	0	0	0	0	0	0	0	0	0	1	0	0	5	6
Balsam Variation Area	Proposed Blue Route	0	0	13	0	0	2	0	0	0	0	0	0	6	12
	Proposed Orange Route	0	0	24	0	0	1	0	0	0	0	0	0	9	19
	Balsam Variation	0	4	28	0	1	2	0	0	0	0	0	0	7	17
Dead Man's Pond Variation Area	Proposed Blue Route	0	0	1	0	0	2	0	0	0	0	0	0	0	3
	Dead Man's Pond Variation	0	0	1	0	0	1	0	0	0	0	0	0	0	3
Blackberry Variation Area	Proposed Blue Route	0	0	6	0	0	0	0	1	0	0	1	1	1	5
	Proposed Orange Route	0	0	1	0	0	0	0	1	0	1	1	1	3	5

Dataset <sup>(1)</sup>	National Hydrology Dataset Waterbodies	MnDNR Public Water Inventory Watercourses		MnDNR Public Water Inventory Basins		MnDNR Public Water Inventory Wetlands		MnDNR Trout Streams		MnDNR Shallow Lakes		MnDNR Wild Rice Lakes		State Trails		County/Local Parks	
		Count		Count		Count		Count		Count		Count		Count		Count	
		Unit	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0
	Border Crossing Pine Creek Variation	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0
	Border Crossing Hwy 310 Variation	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0
	Border Crossing 500kV Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roseau Lake WMA Variation Area	Border Crossing 230kV Variation	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Blue/Orange Route	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0
	Roseau Lake WMA Variation 1	2	23	7	9	0	0	0	1	0	0	0	0	0	0	0	0
Cedar Bend WMA Variation Area	Roseau Lake WMA Variation 2	0	7	3	3	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Blue/Orange Route	1	7	3	3	1	1	0	0	0	0	1	1	0	0	0	0
Beltrami North Variation Area	Cedar Bend WMA Variation	1	7	5	7	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Blue/Orange Route	1	5	3	3	1	1	0	0	0	0	1	1	0	0	0	0
	Beltrami North Variation 1	0	4	3	3	0	1	0	0	0	0	0	1	0	0	0	0
Beltrami North Central Variation Area	Beltrami North Variation 2	1	1	2	3	1	1	0	0	0	0	1	1	0	0	0	0
	Proposed Blue/Orange Route	1	10	1	1	0	1	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 1	0	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 2	0	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 3	1	5	2	2	0	0	0	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 4	1	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0
Pine Island Variation Area	Beltrami North Central Variation 5	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Blue Route	6	30	17	17	1	1	0	0	1	1	0	0	0	0	1	1
Beltrami South Central Variation Area	Proposed Orange Route	8	49	15	20	0	1	0	0	0	0	0	0	0	0	1	1
	Proposed Orange Route	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami South Variation Area	Beltrami South Central Variation	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Orange Route	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Black River Variation Area	Beltrami South Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Blue Route	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C2 Segment Option Variation Area	North Black River Variation	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Blue Route	1	3	5	5	0	0	0	0	0	0	0	0	0	1	1	0
J2 Segment Option Variation Area	C2 Segment Option Variation	2	20	3	3	0	0	0	0	0	0	0	0	0	1	1	0
	Proposed Orange Route	7	32	6	10	0	1	0	0	0	0	0	0	0	1	1	0
Northome Variation Area	J2 Segment Option Variation	9	44	3	6	0	5	0	1	0	0	0	2	0	1	1	0
	J2 Segment Option Variation	3	9	0	1	0	1	0	1	0	0	0	1	0	0	0	0
Cutfoot Variation Area	Northome Variation	2	6	1	2	1	3	0	1	0	0	1	1	0	0	0	0
	Proposed Orange Route	3	8	0	3	0	0	0	0	0	0	0	0	0	0	0	0
Effie Variation Area	Cutfoot Variation	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Blue Route	7	35	8	8	2	2	1	2	0	0	0	0	0	1	1	0
	Proposed Orange Route	6	42	7	9	3	4	0	1	0	0	0	0	0	1	1	0
East Bear Lake Variation Area	Effie Variation	7	37	9	16	1	3	0	1	6	9	0	0	0	1	1	0
	Proposed Orange Route	0	6	2	2	0	0	0	0	0	0	0	0	0	1	1	0
Balsam Variation Area	East Bear Lake Variation	0	6	2	3	0	1	0	0	0	1	0	0	0	1	1	0
	Proposed Blue Route	1	9	5	6	0	3	1	4	0	0	0	2	1	1	0	0
	Proposed Orange Route	0	4	4	4	0	2	0	1	0	0	0	1	0	0	0	0
Dead Man's Pond Variation Area	Balsam Variation	1	19	3	3	0	4	0	3	0	0	0	2	0	0	0	0
	Proposed Blue Route	0	1	0	2	0	1	0	1	0	0	0	0	0	0	0	0
Blackberry Variation Area	Dead Man's Pond Variation	0	2	0	2	0	2	0	1	0	0	0	0	0	0	0	0
	Proposed Blue Route	0	3	1	3	0	1	0	0	0	0	0	1	0	0	0	0
	Proposed Orange Route	0	10	2	3	1	3	0	1	0	0	0	1	0	0	0	0

Dataset <sup>(1)</sup>		State Forests		USDA-USFS National Forest		State Scenic Byways		Snowmobile Trails		Water Access Points		State Water Trails		MnDNR Scientific and Natural Areas		MnDNR NHIS Database Records (Endangered, Threatened, and Special Concern) <sup>(9)</sup>		
Unit		Count		Count		Count		Count		Count		Count		Count		Count		
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	5,280
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	1	1	0	0	0	1	1	1	0	0	0	0	0	1	3	5	14
	Border Crossing Pine Creek Variation	1	1	0	0	0	1	1	1	0	0	0	0	0	0	3	3	10
	Border Crossing Hwy 310 Variation	1	1	0	0	0	1	1	1	0	0	0	0	0	0	1	2	5
	Border Crossing 500kV Variation	1	1	0	0	0	1	1	1	0	0	0	0	0	0	2	3	3
	Border Crossing 230kV Variation	1	1	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	1	1	0	0	1	1	1	1	0	0	0	0	0	0	3	3	7
	Roseau Lake WMA Variation 1	1	1	0	0	1	1	1	1	0	0	0	0	0	0	1	4	4
	Roseau Lake WMA Variation 2	1	1	0	0	1	1	1	1	0	0	0	0	0	1	4	5	5
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	1	2	0	0	1	1	2	2	0	0	0	0	0	0	1	5	5
	Cedar Bend WMA Variation	2	2	0	0	1	1	2	2	0	0	0	0	0	0	0	1	1
Beltrami North Variation Area	Proposed Blue/Orange Route	1	2	0	0	0	0	2	2	0	0	0	0	0	0	1	5	5
	Beltrami North Variation 1	1	2	0	0	0	0	2	2	0	0	0	0	0	0	0	2	2
	Beltrami North Variation 2	1	2	0	0	0	0	2	2	0	0	0	0	0	0	3	20	20
Beltrami North Central Variation Area	Proposed Blue/Orange Route	2	2	0	0	0	0	1	1	0	0	0	0	0	0	1	9	9
	Beltrami North Central Variation 1	2	2	0	0	0	0	1	1	0	0	0	0	0	0	0	12	12
	Beltrami North Central Variation 2	2	2	0	0	0	0	1	1	0	0	0	0	0	0	1	7	7
	Beltrami North Central Variation 3	2	2	0	0	0	0	1	1	0	0	0	0	0	0	0	5	5
	Beltrami North Central Variation 4	2	2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 5	2	2	0	0	0	0	1	1	0	0	0	0	0	0	0	7	7
Pine Island Variation Area	Proposed Blue Route	4	4	0	0	0	0	3	3	0	0	1	1	0	1	1	3	16
	Proposed Orange Route	6	6	0	0	0	0	4	4	0	0	1	1	0	1	3	9	21
Beltrami South Central Variation Area	Proposed Orange Route	2	2	0	0	0	0	1	1	0	0	0	0	0	0	3	8	8
	Beltrami South Central Variation	2	2	0	0	0	0	1	1	0	0	0	0	0	0	3	8	8
Beltrami South Variation Area	Proposed Orange Route	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	Beltrami South Variation	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
North Black River Variation Area	Proposed Blue Route	1	1	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0
	North Black River Variation	1	1	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0
C2 Segment Option Variation Area	Proposed Blue Route	2	2	0	0	0	0	2	2	0	0	1	1	0	0	0	0	4
	C2 Segment Option Variation	3	3	0	0	0	0	1	1	0	0	1	1	0	1	0	1	4
J2 Segment Option Variation Area	Proposed Orange Route	3	3	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4
	J2 Segment Option Variation	2	2	0	0	2	2	3	4	0	0	0	0	0	0	0	0	1
Northhome Variation Area	J2 Segment Option Variation	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Northhome Variation	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cutfoot Variation Area	Proposed Orange Route	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cutfoot Variation	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Effie Variation Area	Proposed Blue Route	2	2	0	0	0	0	4	5	0	0	0	0	0	0	2	5	5
	Proposed Orange Route	2	2	0	0	0	0	6	6	0	0	0	0	0	0	3	7	7
	Effie Variation	2	2	0	0	0	0	4	4	0	1	0	0	0	0	1	2	2
East Bear Lake Variation Area	Proposed Orange Route	1	1	0	0	0	0	3	3	0	0	0	0	0	0	1	3	3
	East Bear Lake Variation	1	1	0	0	0	0	3	3	0	1	0	0	0	0	2	2	2
Balsam Variation Area	Proposed Blue Route	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	2
	Proposed Orange Route	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	2
	Balsam Variation	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	2
Dead Man's Pond Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dead Man's Pond Variation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blackberry Variation Area	Proposed Blue Route	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
	Proposed Orange Route	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	3

Dataset <sup>(1)</sup>		MnDNR Colonial Waterbird Nesting Sites			MnDNR High Conservation Value Forest		MnDNR Scientific and Natural Area Peatland Watershed Protection Areas		MnDNR Calcareous Fens			MPCA What's in My Neighborhood Sites (Active and Inactive)		
		Unit	Count			Count		Count		Count			Count	
		Buffer <sup>(2)</sup> (ft)	100	1,500	5,280	100	1,500	100	1,500	100	1,500	5,280	100	1,500
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	0	0	0	1	2	2	2	0	0	1	0	0	
	Border Crossing Pine Creek Variation	0	0	0	1	2	2	2	0	0	0	0	0	
	Border Crossing Hwy 310 Variation	0	0	0	1	1	1	1	0	0	0	0	1	
	Border Crossing 500kV Variation	0	0	0	0	0	0	0	0	0	0	0	0	
Roseau Lake WMA Variation Area	Border Crossing 230kV Variation	0	0	0	0	0	0	0	0	0	0	0	0	
	Proposed Blue/Orange Route	0	0	0	1	2	2	2	0	0	0	0	0	
	Roseau Lake WMA Variation 1	0	0	0	1	1	1	1	0	0	0	0	2	
Cedar Bend WMA Variation Area	Roseau Lake WMA Variation 2	0	0	0	1	1	1	1	0	0	0	0	1	
	Proposed Blue/Orange Route	0	0	0	1	1	0	0	0	0	0	0	0	
Beltrami North Variation Area	Cedar Bend WMA Variation	0	0	0	0	0	0	0	0	0	0	0	1	
	Proposed Blue/Orange Route	0	0	0	1	1	0	0	0	0	0	0	0	
Beltrami North Central Variation Area	Beltrami North Variation 1	0	0	0	0	0	0	0	0	0	0	0	0	
	Beltrami North Variation 2	0	0	0	1	1	0	1	0	0	0	0	0	
	Proposed Blue/Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	
Pine Island Variation Area	Beltrami North Central Variation 1	0	0	0	0	0	0	0	0	0	0	0	0	
	Beltrami North Central Variation 2	0	0	0	0	0	1	1	0	0	0	0	0	
	Beltrami North Central Variation 3	0	0	0	0	0	0	0	0	0	0	0	1	
	Beltrami North Central Variation 4	0	0	0	0	0	0	0	0	0	0	0	2	
	Beltrami North Central Variation 5	0	0	0	0	0	0	0	0	0	0	0	1	
Beltrami South Central Variation Area	Proposed Blue Route	0	2	2	0	0	2	2	0	0	0	0	4	
	Proposed Orange Route	0	0	0	0	0	2	2	0	0	1	1	3	
Beltrami South Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	
	Beltrami South Central Variation	0	0	0	0	0	0	0	0	0	0	0	0	
North Black River Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	
	Beltrami South Variation	0	0	0	0	0	0	0	0	0	0	0	0	
C2 Segment Option Variation Area	Proposed Blue Route	0	0	0	0	0	1	1	0	0	0	0	0	
	C2 Segment Option Variation	0	0	0	0	0	1	1	0	0	0	0	0	
J2 Segment Option Variation Area	Proposed Orange Route	0	0	0	0	0	0	1	0	0	0	1	3	
	J2 Segment Option Variation	1	2	2	0	0	0	0	0	0	0	1	2	
Northome Cutfoot Variation Area	J2 Segment Option Variation	0	0	1	0	0	0	0	0	0	0	0	0	
	Northome Variation	0	0	2	0	0	0	0	0	0	0	0	0	
Effie Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	
	Cutfoot Variation	0	0	0	0	0	0	0	0	0	0	0	0	
East Bear Lake Variation Area	Proposed Blue Route	0	2	3	0	0	0	0	0	0	0	0	3	
	Proposed Orange Route	0	2	3	0	0	0	0	0	0	0	0	3	
	Effie Variation	0	1	2	0	0	0	0	0	0	0	0	0	
Balsam Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	
	East Bear Lake Variation	0	0	0	0	0	0	0	0	0	0	0	0	
	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	1	
Dead Man's Pond Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	1	
	Balsam Variation	0	0	0	0	0	0	0	0	0	0	0	1	
Blackberry Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	
	Dead Man's Pond Variation	0	0	0	0	0	0	0	0	0	0	0	0	
Blackberry Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	
	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	

Dataset <sup>(1)</sup>		Minnesota Department of Health County Well Index		MnDNR Wildlife Management Areas		USFWS Interest Lands			MnDNR Gray Owl Management Area	
Unit		Count		Count		Count			Count	
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	150	1,500	100	1,500
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	0	0	1	1	0	0	0	0	0
	Border Crossing Pine Creek Variation	0	0	1	1	0	0	0	0	0
	Border Crossing Hwy 310 Variation	0	3	0	0	0	0	0	0	1
	Border Crossing 500kV Variation	0	0	0	0	0	0	0	0	0
	Border Crossing 230kV Variation	0	2	0	0	0	0	0	0	0
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	0	0	2	2	0	0	0	0	0
	Roseau Lake WMA Variation 1	0	13	0	0	0	0	1	0	0
	Roseau Lake WMA Variation 2	0	6	1	2	0	0	0	0	0
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	0	0	1	1	1	1	5	0	0
	Cedar Bend WMA Variation	0	10	1	1	0	0	0	0	0
Beltrami North Variation Area	Proposed Blue/Orange Route	0	0	0	0	1	1	5	0	0
	Beltrami North Variation 1	0	0	0	0	0	0	5	0	0
	Beltrami North Variation 2	0	0	0	0	0	0	9	0	0
Beltrami North Central Variation Area	Proposed Blue/Orange Route	0	0	0	0	3	5	7	0	0
	Beltrami North Central Variation 1	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 2	0	0	0	0	2	2	11	0	0
	Beltrami North Central Variation 3	0	0	0	0	0	0	0	0	0
	Beltrami North Central Variation 4	0	0	0	0	0	0	1	0	0
Pine Island Variation Area	Proposed Blue Route	2	14	1	2	1	1	1	0	0
	Proposed Orange Route	0	2	1	1	2	3	5	0	0
Beltrami South Central Variation Area	Proposed Orange Route	0	0	0	0	2	2	2	0	0
	Beltrami South Central Variation	0	0	0	0	0	0	2	0	0
Beltrami South Variation Area	Proposed Orange Route	0	0	0	0	0	1	1	0	0
	Beltrami South Variation	0	1	0	0	0	0	3	0	0
North Black River Variation Area	Proposed Blue Route	1	11	0	0	0	0	0	0	0
	North Black River Variation	0	2	0	0	0	0	0	0	0
C2 Segment Option Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0
	C2 Segment Option Variation	0	3	0	0	0	0	0	0	0
J2 Segment Option Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0
	J2 Segment Option Variation	0	4	0	0	1	1	1	0	0
Northome Variation Area	J2 Segment Option Variation	0	1	0	0	1	1	1	0	0
	Northome Variation	0	1	0	0	0	0	0	0	0
Cutfoot Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0
	Cutfoot Variation	0	0	0	0	0	0	0	0	0
Effie Variation Area	Proposed Blue Route	1	2	0	0	0	0	0	0	0
	Proposed Orange Route	4	25	0	0	0	0	0	0	0
	Effie Variation	0	14	0	0	0	0	0	0	0
East Bear Lake Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0
	East Bear Lake Variation	0	2	0	0	0	0	0	0	0
Balsam Variation Area	Proposed Blue Route	0	17	0	0	0	0	0	0	0
	Proposed Orange Route	0	16	0	0	0	0	0	0	0
	Balsam Variation	1	107	0	0	0	0	0	0	0
Dead Man's Pond Variation Area	Proposed Blue Route	0	1	0	0	0	0	0	0	0
	Dead Man's Pond Variation	0	0	0	0	0	0	0	0	0
Blackberry Variation Area	Proposed Blue Route	0	3	0	0	0	0	0	0	0
	Proposed Orange Route	0	6	0	0	0	0	0	0	0

Datasets <sup>(1)</sup>		State Mineral Leases	County Lands	MPCA Impaired Streams	National Hydrology Dataset Flowlines	National Hydrology Dataset Waterbodies	MnDNR Public Water Inventory Watercourses	MnDNR Public Water Inventory Basins	MnDNR Public Water Inventory Wetlands	MnDNR Trout Streams
Unit		Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	0	0	1	19	0	2	0	0	0
	Border Crossing Pine Creek Variation	0	0	1	25	0	3	0	0	0
	Border Crossing Hwy 310 Variation	0	0	1	17	0	2	0	0	0
	Border Crossing 500kV Variation	0	0	0	7	0	0	0	0	0
	Border Crossing 230kV Variation	0	0	0	9	0	0	0	0	0
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	0	0	1	24	0	2	0	0	0
	Roseau Lake WMA Variation 1	0	0	2	47	1	10	0	0	0
	Roseau Lake WMA Variation 2	0	0	2	36	0	3	0	0	0
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	18	0	2	14	1	3	1	0	0
	Cedar Bend WMA Variation	0	0	3	16	0	5	0	0	0
Beltrami North Variation Area	Proposed Blue/Orange Route	18	0	2	9	1	3	1	0	0
	Beltrami North Variation 1	18	0	8	13	0	9	0	0	0
	Beltrami North Variation 2	31	0	2	14	0	2	1	0	0
Beltrami North Central Variation Area	Proposed Blue/Orange Route	0	0	0	4	1	0	0	0	0
	Beltrami North Central Variation 1	0	0	0	7	0	3	0	0	0
	Beltrami North Central Variation 2	0	0	0	6	0	1	0	0	0
	Beltrami North Central Variation 3	0	0	0	5	1	2	0	0	0
	Beltrami North Central Variation 4	0	0	0	8	1	2	0	0	0
	Beltrami North Central Variation 5	0	0	0	10	0	3	0	0	0
Pine Island Variation Area	Proposed Blue Route	230	1	1	60	5	17	1	0	1
	Proposed Orange Route	80	0	1	65	6	25	0	0	0
Beltrami South Central Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0
	Beltrami South Central Variation	0	0	0	0	0	0	0	0	0
Beltrami South Variation Area	Proposed Orange Route	15	0	0	0	0	0	0	0	0
	Beltrami South Variation	55	0	0	0	0	0	0	0	0
North Black River Variation Area	Proposed Blue Route	76	0	0	3	1	0	0	0	0
	North Black River Variation	63	0	0	4	0	0	0	0	0
C2 Segment Option Variation Area	Proposed Blue Route	3	0	1	16	1	5	0	0	0
	C2 Segment Option Variation	11	2	2	7	1	3	0	0	0
J2 Segment Option Variation Area	Proposed Orange Route	19	0	0	25	5	6	0	0	0
	J2 Segment Option Variation	16	0	0	29	10	3	0	0	0
Northhome Variation Area	J2 Segment Option Variation	0	0	0	0	6	0	0	0	0
	Northhome Variation	0	0	0	1	1	0	1	0	0
Cutfoot Variation Area	Proposed Orange Route	7	0	0	0	2	0	0	0	0
	Cutfoot Variation	1	0	0	0	0	0	0	0	0
Effie Variation Area	Proposed Blue Route	135	2	0	15	4	9	1	0	0
	Proposed Orange Route	170	1	0	19	5	11	2	0	0
	Effie Variation	155	0	0	22	6	13	0	0	6
East Bear Lake Variation Area	Proposed Orange Route	20	0	0	4	0	4	0	0	0
	East Bear Lake Variation	35	0	0	5	0	2	0	0	0
Balsam Variation Area	Proposed Blue Route	0	0	0	7	1	6	0	1	0
	Proposed Orange Route	0	0	0	9	0	5	0	0	0
	Balsam Variation	20	0	0	6	1	4	0	0	0
Dead Man's Pond Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0
	Dead Man's Pond Variation	0	0	0	0	0	0	0	0	0
Blackberry Variation Area	Proposed Blue Route	8	0	1	1	0	1	0	0	0
	Proposed Orange Route	12	0	1	2	0	2	1	0	0

Datasets <sup>(1)</sup>		MnDNR Shallow Lakes	MnDNR Wild Rice Lakes	State Trails	State Forests	USDA-USFS National Forest	State Scenic Byways	Snowmobile Trails	State Water Trails	MnDNR Scientific and Natural Areas	MnDNR High Conservation Value Forest	MnDNR Scientific and Natural Area Peatland Watershed Protection Areas
Unit		Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	0	0	0	9		0	3	0		2	4
	Border Crossing Pine Creek Variation	0	0	0	9		0	3	0		2	4
	Border Crossing Hwy 310 Variation	0	0	0	7		0	3	0		2	2
	Border Crossing 500kV Variation	0	0	0	3		0	1	0		0	0
	Border Crossing 230kV Variation	0	0	0	2		0	1	0		0	0
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	0	0	0	8		1	3	0		1	3
	Roseau Lake WMA Variation 1	0	0	0	1		1	6	0		1	1
	Roseau Lake WMA Variation 2	0	0	0	5		1	6	0		1	1
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	1	0	0	4		1	4	0		2	0
	Cedar Bend WMA Variation	0	0	0	3		1	3	0		0	0
Beltrami North Variation Area	Proposed Blue/Orange Route	1	0	0	4		0	3	0		2	0
	Beltrami North Variation 1	0	0	0	5		0	4	0		0	0
	Beltrami North Variation 2	1	0	0	3		0	9	0		2	0
Beltrami North Central Variation Area	Proposed Blue/Orange Route	0	0	0	4		0	2	0		0	0
	Beltrami North Central Variation 1	0	0	0	11		0	2	0		0	0
	Beltrami North Central Variation 2	0	0	0	4		0	2	0		0	1
	Beltrami North Central Variation 3	0	0	0	15		0	2	0		0	0
	Beltrami North Central Variation 4	0	0	0	17		0	2	0		0	0
Pine Island Variation Area	Proposed Blue Route	0	0	1	23		0	12	1		0	2
	Proposed Orange Route	0	0	1	20		0	10	1		0	2
Beltrami South Central Variation Area	Proposed Orange Route	0	0	0	2		0	0	0		0	0
	Beltrami South Central Variation	0	0	0	2		0	0	0		0	0
Beltrami South Variation Area	Proposed Orange Route	0	0	0	1		0	0	0		0	0
	Beltrami South Variation	0	0	0	1		0	0	0		0	0
North Black River Variation Area	Proposed Blue Route	0	0	0	3		0	2	0		0	1
	North Black River Variation	0	0	0	4		0	2	0		0	1
C2 Segment Option Variation Area	Proposed Blue Route	0	0	1	2		0	5	1		0	0
	C2 Segment Option Variation	0	0	1	5		0	1	1		0	3
J2 Segment Option Variation Area	Proposed Orange Route	0	0	1	7		0	7	0		0	0
	J2 Segment Option Variation	0	0	1	4		2	3	0		0	0
Northhome Variation Area	J2 Segment Option Variation	0	0	0	1		0	0	0		0	0
	Northhome Variation	1	0	0	1		0	0	0		0	0
Cutfoot Variation Area	Proposed Orange Route	0	0	0	3		0	0	0		0	0
	Cutfoot Variation	0	0	0	3		0	0	0		0	0
Effie Variation Area	Proposed Blue Route	0	0	1	7		0	7	0		0	0
	Proposed Orange Route	0	0	1	7		0	8	0		0	0
	Effie Variation	0	0	1	4		0	4	0		0	0
East Bear Lake Variation Area	Proposed Orange Route	0	0	1	1		0	3	0		0	0
	East Bear Lake Variation	0	0	1	2		0	3	0		0	0
Balsam Variation Area	Proposed Blue Route	0	1	0	0		0	2	0		0	0
	Proposed Orange Route	0	0	0	0		0	4	0		0	0
	Balsam Variation	0	0	0	0		0	6	0		0	0
Dead Man's Pond Variation Area	Proposed Blue Route	0	0	0	0		0	0	0		0	0
	Dead Man's Pond Variation	0	0	0	0		0	0	0		0	0
Blackberry Variation Area	Proposed Blue Route	0	0	0	0		0	2	0		0	0
	Proposed Orange Route	0	0	0	0		0	6	0		0	0

Datasets <sup>(1)</sup>		MnDNR Ecologically Important Lowland Conifer Areas	MnDNR Wildlife Management Areas	Minnesota Department of Health Wellhead Protection Areas	USFWS Interest Lands	Audubon Society Important Bird Areas	USFWS Grassland Bird Conservation Areas
Unit		Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings
Border Crossing Variation Area	Proposed Border Crossing-Blue/Orange Route	0	1	0	0	0	6
	Border Crossing Pine Creek Variation	0	1	0	0	0	6
	Border Crossing Hwy 310 Variation	0	0	0	0	0	6
	Border Crossing 500kV Variation	0	0	0	0	0	0
	Border Crossing 230kV Variation	0	0	0	0	0	0
Roseau Lake WMA Variation Area	Proposed Blue/Orange Route	0	3	0	0	0	10
	Roseau Lake WMA Variation 1	0	0	0	0	0	4
	Roseau Lake WMA Variation 2	0	2	0	0	0	14
Cedar Bend WMA Variation Area	Proposed Blue/Orange Route	0	2	0	1	0	4
	Cedar Bend WMA Variation	0	1	0	0	0	1
Beltrami North Variation Area	Proposed Blue/Orange Route	0	0	0	1	0	0
	Beltrami North Variation 1	0	0	0	0	0	0
	Beltrami North Variation 2	0	0	0	0	1	0
Beltrami North Central Variation Area	Proposed Blue/Orange Route	0	0	0	2	2	0
	Beltrami North Central Variation 1	0	0	0	0	1	0
	Beltrami North Central Variation 2	0	0	0	1	2	0
	Beltrami North Central Variation 3	0	0	0	0	1	0
	Beltrami North Central Variation 4	0	0	0	0	1	0
Pine Island Variation Area	Proposed Blue Route	7	1	0	1	9	0
	Proposed Orange Route	1	4	0	2	8	0
Beltrami South Central Variation Area	Proposed Orange Route	0	0	0	2	1	0
	Beltrami South Central Variation	0	0	0	0	1	0
Beltrami South Variation Area	Proposed Orange Route	0	0	0	0	1	0
	Beltrami South Variation	0	0	0	0	1	0
North Black River Variation Area	Proposed Blue Route	0	0	0	0	1	0
	North Black River Variation	0	0	0	0	1	0
C2 Segment Option Variation Area	Proposed Blue Route	2	0	0	0	1	0
	C2 Segment Option Variation	1	0	0	0	1	0
J2 Segment Option Variation Area	Proposed Orange Route	0	0	0	0	2	0
	J2 Segment Option Variation	0	0	0	1	2	0
Northome Variation Area	J2 Segment Option Variation	0	0	0	1	0	0
	Northome Variation	0	0	0	0	0	0
Cutfoot Variation Area	Proposed Orange Route	0	0	0	0	0	0
	Cutfoot Variation	0	0	0	0	0	0
Effie Variation Area	Proposed Blue Route	0	0	0	0	2	0
	Proposed Orange Route	0	0	0	0	2	0
	Effie Variation	0	0	0	0	0	0
East Bear Lake Variation Area	Proposed Orange Route	0	0	0	0	0	0
	East Bear Lake Variation	0	0	0	0	0	0
Balsam Variation Area	Proposed Blue Route	0	0	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	0
	Balsam Variation	0	0	4	0	0	0
Dead Man's Pond Variation Area	Proposed Blue Route	0	0	0	0	0	0
	Dead Man's Pond Variation	0	0	0	0	0	0
Blackberry Variation Area	Proposed Blue Route	0	0	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	0

Datasets <sup>(1)</sup>	Base Length	State Mineral Leases		State Fee Lands <sup>(3)</sup>		State Fee Lands by Type <sup>(3)</sup>								County Lands		FEMA Floodplains				MPCA Impaired Streams		National Hydrology Dataset Flowlines		
						Consolidated Conservation	Other - Acquired, Tax Forfeit, Volstead		Trust Fund		Federal - State Lease		Zone A			Zone B								
Type	--	--	--	--	--	Consolidated Conservation	Other - Acquired, Tax Forfeit, Volstead		Trust Fund		Federal - State Lease		--	Zone A	Zone B			--	--					
Unit	Length (mi)	Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)	Area (ac)			Length (mi)	Length (mi)			
Buffer <sup>(2)</sup> (ft)	--	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	
Pine Island Variation Area	Proposed Blue Route	1.0	29	512	22	483	15	392	7	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Silver Creek WMA Alignment Modification	1.0	36	530	24	490	24	414	0	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C2 Segment Option Variation Area	C2 Segment Option	1.5	0	0	27	501	0	0	6	182	21	318	0	0	0	0	0	0	0	0	0	0	0	0
	Airstrip Alignment Modification	1.5	0	0	28	549	0	0	8	229	19	321	0	0	0	0	0	0	0	0	0	0	0	0
J2 Segment Option Variation Area	Proposed Orange Route	2.8	0	0	63	904	0	0	57	766	5	138	0	0	0	0	0	0	0	0	0	0	0	0
	Mizpah Alignment Modification	2.8	0	0	66	916	0	0	59	767	6	149	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Orange Route	1.2	0	0	11	301	0	0	9	235	2	66	0	0	0	0	0	0	0	0	0	0	0	0
	Gravel Pit Alignment Modification	1.2	0	0	12	309	0	0	11	243	1	66	0	0	0	0	0	0	0	0	0	0	0	0
Effie Variation Area	Proposed Blue/Orange Route	2.4	48	1,044	11	411	0	0	0	0	11	411	0	0	0	9	0	0	0	0	0	0	0	0
	Bass Lake Alignment Modification	2.5	44	1,072	23	502	0	0	0	0	23	502	0	0	0	<0.5	0	0	0	0	0	0	0	0
	Proposed Blue Route	2.4	54	916	24	320	0	0	0	3	24	317	0	0	0	0	0	0	0	0	0	0	0	0
	Wilson Lake Alignment Modification	2.4	65	987	28	381	0	0	0	8	28	374	0	0	0	0	0	0	0	0	0	0	0	0
Balsam Variation Area Dead Man's Variation Area	Proposed Blue Route	1.3	0	0	12	159	0	0	11	117	2	42	0	0	0	0	0	0	0	0	0	0	0	0
	Grass Lake Alignment Modification	1.3	0	0	7	143	0	0	1	104	6	39	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Blue Route	1.6	0	0	19	339	0	0	19	339	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0
	Dead Man's Pond Alignment Modification	1.6	0	0	17	327	0	0	17	327	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9
Blackberry Variation Area	Proposed Orange Route	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trout Lake Alignment Modification	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Datasets <sup>(1)</sup>	National Hydrology Dataset Waterbodies	MnDNR Public Water Inventory Watercourses		MnDNR Public Water Inventory Basins		MnDNR Public Water Inventory Wetlands		MnDNR Trout Streams		USFWS National Wetland Inventory <sup>(4)</sup>										MnDNR Shallow Lakes		MnDNR Wild Rice Lakes			
		Type	--	--	--	--	--	--	PEM	PSS	PFO	PUB	River	Lake	--	--									
Unit	Area (ac)	Length (mi)		Area (ac)		Area (ac)		Length (mi)		Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	
Buffer <sup>(2)</sup> (ft)	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	
Pine Island Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	3	25	497	0	25	0	0	0	0	0	0	0	0	0
	Silver Creek WMA Alignment Modification	0	0	0	0	0	0	0	0	0	0	3	26	508	0	22	0	0	0	0	0	0	0	0	0
C2 Segment Option Variation Area	C2 Segment Option	0	<0.5	<0.05	0	0	0	0	0	0	3	50	20	325	13	266	0	0	0	0	0	0	0	0	0
	Airstrip Alignment Modification	0	0	<0.05	0	0	0	0	0	0	2	39	19	336	17	291	0	0	0	0	0	0	0	0	0
J2 Segment Option Variation Area	Proposed Orange Route	0	0	0	0.8	0	0	0	0	0	1	14	1	57	10	244	0	0	0	0	0	0	0	0	0
	Mizpah Alignment Modification	0	0	0	0.8	0	0	0	0	0	1	13	3	58	12	257	0	0	0	0	0	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	4	0	55	5	100	0	0	0	0	0	0	0	0	0
	Gravel Pit Alignment Modification	0	0	0	0	0	0	0	0	0	2	5	0	66	3	88	0	0	0	0	0	0	0	0	0
Effie Variation Area	Proposed Blue/Orange Route	0	0	0	0	0	0	0	0	0	0	6	6	73	17	360	0	0	0	0	0	0	0	0	0
	Bass Lake Alignment Modification	0	0	0	0	0	0	0	0	0	0	1	6	75	13	376	0	0	0	0	0	0	0	0	0
	Proposed Blue Route	0	6	<0.05	0.6	0	0	0	4	0	1	15	4	92	20	376	0	1	0	0	0	5	0	0	0
	Wilson Lake Alignment Modification	0	1	<0.05	0.5	0	0	0	0	0	3	15	5	86	19	362	0	1	0	0	0	0	0	0	0
Balsam Variation Area Dead Man's Variation Area	Proposed Blue Route	6	62	0	0	0	16	6	70	0	0	1	28	1	74	0	1	0	0	6	61	0	12	5	40
	Grass Lake Alignment Modification	0	52	0	0	0	15	0	57	0	0	3	33	2	84	0	1	0	0	0	51	0	4	0	34
	Proposed Blue Route	0	19	0	1.0	0	2	0	19	0	0	4	112	2	38	0	0	0	0	0	19	0	0	0	0
	Dead Man's Pond Alignment Modification	3	26	0	0.9	0	2	3	26	0	0	3	95	2	67	0	0	0	0	3	26	0	0	0	0
Blackberry Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	1	59	1	95	0	0	0	0	0	0	0	0	0	0
	Trout Lake Alignment Modification	0	0	0	0	0	0	0	0	0	0	1	61	5	95	0	0	0	0	0	0	0	0	0	0

Datasets <sup>(1)</sup>	State Trails		County/Local Parks		State Forests		USDA-USFS National Forest		State Scenic Byways		State Snowmobile Trails		State Water Trails		State Conservation Easements	
	Type		--		--		--		--		--		--		--	
Unit	Length (mi)		Area (ac)		Area (ac)		Area (ac)		Length (mi)		Length (mi)		Length (mi)		Area (ac)	
	Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
Pine Island Variation Area	Proposed Blue Route		0	0	15	355					0	0			0	0
	Silver Creek WMA Alignment Modification		0	0	24	378					0	0			0	0
C2 Segment Option Variation Area	C2 Segment Option		0	0	0	0					0	0			0	0
	Airstrip Alignment Modification		0	0	0	0					0	0			0	0
J2 Segment Option Variation Area	Proposed Orange Route		0	0	68	1,165					0	0			0	0
	Mizpah Alignment Modification		0	0	68	1,165					0	0			0	0
	Proposed Orange Route		0	0	0	0					0	0			0	0
	Gravel Pit Alignment Modification		0	0	0	0					0	0			0	0
Effie Variation Area	Proposed Blue/Orange Route		0	24	60	1,045					<0.05	1.0			48	600
	Bass Lake Alignment Modification		0	2	60	1,052					<0.05	0.9			37	548
	Proposed Blue Route		0	0	60	1,047					0	0			<0.5	83
	Wilson Lake Alignment Modification		0	0	60	1,050					0	0			0	76
Balsam Variation Area Dead Man's Variation Area	Proposed Blue Route		0	0	0	0					0	0			0	0
	Grass Lake Alignment Modification		0	0	0	0					0	0			0	0
	Proposed Blue Route		0	0	0	0					0	0			0	0
	Dead Man's Pond Alignment Modification		0	0	0	0					0	0			0	0
Blackberry Variation Area	Proposed Orange Route		0	0	0	0					0	0			0	0
	Trout Lake Alignment Modification		0	0	0	0					0	0			0	0

Datasets <sup>(1)</sup>		MBS Sites of Biodiversity Significance <sup>(5)</sup>												MBS Native Plant Communities <sup>(6)(7)</sup>		MnDNR Scientific and Natural Areas		MnDNR High Conservation Value Forest		MnDNR Scientific and Natural Area, Peatland Watershed Protection Areas		MnDNR Ecologically Important Lowland Conifer Areas	
		Type		Outstanding		High		Moderate		Below		Rank Unknown											
Unit		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)	
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
Pine Island Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	26	482	26	482	ND	ND								
	Silver Creek WMA Alignment Modification	0	0	0	0	0	0	0	0	26	500	26	500	ND	ND								
C2 Segment Option Variation Area	C2 Segment Option	0	0	0	0	0	0	0	0	15	295	15	295	ND	ND								
	Airstrip Alignment Modification	0	0	0	0	0	0	0	0	16	304	16	304	ND	ND								
J2 Segment Option Variation Area	Proposed Orange Route	0	53	0	0	0	0	0	0	0	0	0	53	ND	ND								
	Mizpah Alignment Modification	0	57	0	0	0	0	0	0	0	0	0	57	ND	ND								
	Proposed Orange Route	0	0	0	0	0	33	0	0	0	0	0	33	ND	ND								
	Gravel Pit Alignment Modification	0	0	0	0	0	32	0	0	0	0	0	32	ND	ND								
Effie Variation Area	Proposed Blue/Orange Route	30	507	0	0	23	438	0	0	0	0	53	945	ND	ND								
	Bass Lake Alignment Modification	31	535	0	0	26	447	0	0	0	0	57	982	ND	ND								
	Proposed Blue Route	0	0	0	0	29	579	0	0	0	0	29	579	ND	ND								
	Wilson Lake Alignment Modification	0	0	0	0	26	527	0	0	0	0	26	527	ND	ND								
Balsam Variation Area Dead Man's Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	ND	ND								
	Grass Lake Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0	ND	ND								
	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	ND	ND								
Blackberry Variation Area	Dead Man's Pond Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0	ND	ND								
	Proposed Orange Route	0	0	0	70	0	0	0	0	0	0	0	70	ND	ND								
	Trout Lake Alignment Modification	0	0	0	70	0	0	0	0	0	0	0	70	ND	ND								

Datasets <sup>(1)</sup>		Minnesota Department of Health Well Head Protection Areas		MnDNR State Wildlife Management Areas		USFWS Interest Lands			Audubon Society Important Bird Areas		USFWS Grassland Bird Conservation Areas		MnDNR Gray Owl Management Area	
Type		--		--		--			--		--		--	
Unit		Area (ac)		Area (ac)		Area (ac)			Area (ac)		Area (ac)			
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	150	1,500	100	1,500	100	1,500	100	1,500
Pine Island Variation Area	Proposed Blue Route			0	86	8	12	93	26	537				
	Silver Creek WMA Alignment Modification			0	71	0	<0.5	79	26	540				
C2 Segment Option Variation Area	C2 Segment Option			0	0	0	0	0	0	0				
	Airstrip Alignment Modification			0	0	0	0	0	0	0				
J2 Segment Option Variation Area	Proposed Orange Route			0	0	0	0	0	0	79				
	Mizpah Alignment Modification			0	0	0	0	0	0	98				
	Proposed Orange Route			0	0	0	0	0	0	0				
	Gravel Pit Alignment Modification			0	0	0	0	0	0	0				
Effie Variation Area	Proposed Blue/Orange Route			0	0	0	0	0	44	737				
	Bass Lake Alignment Modification			0	0	0	0	0	46	763				
	Proposed Blue Route			0	0	0	0	0	0	0				
	Wilson Lake Alignment Modification			0	0	0	0	0	0	0				
Balsam Variation Area Dead Man's Variation Area	Proposed Blue Route			0	0	0	0	0	0	0				
	Grass Lake Alignment Modification			0	0	0	0	0	0	0				
	Proposed Blue Route			0	0	0	0	0	0	0				
Blackberry Variation Area	Dead Man's Pond Alignment Modification			0	0	0	0	0	0	0				
	Proposed Orange Route			0	0	0	0	0	0	0				
	Trout Lake Alignment Modification			0	0	0	0	0	0	0				

Datasets <sup>(1)</sup>		GAP Land Cover Vegetation Class Level - Division 4																	
Type		Herbaceous Agricultural Vegetation		North American Boreal Forest		North American Boreal Flooded & Swamp Forest		Eastern North American Cool Temperate Forest		Eastern North American Flooded & Swamp Forest		Great Plains Grassland & Shrubland		Developed & Urban		Recently Disturbed or Modified		Open Water	
Unit		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)	
	Buffer <sup>(2)</sup> (ft)	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
Pine Island Variation Area	Proposed Blue Route	0	0	2	91	18	380	0	2	5	62	0	0	0	0	0	0	0	2
	Silver Creek WMA Alignment Modification	0	0	6	89	15	391	0	2	4	56	0	0	0	0	0	0	0	2
C2 Segment Option Variation Area	C2 Segment Option	0	1	7	136	28	470	0	0	2	82	0	0	0	10	0	5	0	0
	Airstrip Alignment Modification	0	0	11	143	26	502	0	0	1	68	0	0	0	5	0	3	0	0
J2 Segment Option Variation Area	Proposed Orange Route	0	108	40	584	6	159	17	196	4	106	0	0	0	7	0	3	0	1
	Mizpah Alignment Modification	0	107	38	582	8	163	17	195	4	108	0	0	0	7	0	2	0	1
	Proposed Orange Route	0	3	25	455	1	60	1	32	1	26	0	0	1	14	0	5	0	0
	Gravel Pit Alignment Modification	0	2	25	445	1	68	2	33	1	36	0	0	1	14	1	4	0	6
Effie Variation Area	Proposed Blue/Orange Route	0	0	18	374	35	527	1	28	6	109	0	0	0	5	0	2	0	0
	Bass Lake Alignment Modification	0	0	24	384	28	518	0	28	7	117	0	0	0	4	0	2	0	0
	Proposed Blue Route	0	0	35	459	23	507	0	5	1	46	0	0	0	10	0	15	0	4
	Wilson Lake Alignment Modification	0	0	29	491	28	484	1	7	2	42	0	0	1	12	0	14	0	0
Balsam Variation Area Dead Man's Variation Area	Proposed Blue Route	0	0	21	308	0	68	4	127	0	20	0	0	0	28	0	6	6	62
	Grass Lake Alignment Modification	0	0	16	323	3	82	12	121	1	20	0	0	0	28	0	7	0	51
	Proposed Blue Route	0	0	25	449	0	53	12	176	1	26	0	0	4	33	0	2	0	21
	Dead Man's Pond Alignment Modification	0	2	22	439	0	61	12	155	1	30	0	0	1	25	0	3	3	32
Blackberry Variation Area	Proposed Orange Route	0	6	19	334	0	35	4	101	2	44	0	0	0	5	0	1	0	0
	Trout Lake Alignment Modification	0	6	19	341	0	35	5	106	2	43	0	0	0	5	0	2	0	0

Datasets <sup>(1)</sup>		GAP Land Cover Vegetation Class Level - Division 4						Farmland								USDA-NRCS Soil Type				Abandoned Transmission Line	
Type		Southeastern North American Flooded & Swamp Forest		Eastern North America Freshwater Wet Meadow, Riparian & Marsh		Introduced & Semi Natural Vegetation		Not Farmland		Prime Farmland If Drained		Farmland Of Statewide Importance		All Areas Are Prime Farmland		Mineral		Histosol		--	
Unit		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	--	--
Pine Island Variation Area	Proposed Blue Route	0	0	0	0	0	0	26	511	0	27	0	0	0	0	2	94	24	443	0	0
	Silver Creek WMA Alignment Modification	0	0	0	0	0	0	26	524	0	16	0	0	0	0	0	77	26	464	0	0
C2 Segment Option Variation Area	C2 Segment Option	0	0	0	0	0	0	35	641	0	0	1	63	0	0	23	438	14	266	0	0
	Airstrip Alignment Modification	0	0	0	0	0	0	37	664	0	0	1	57	0	0	23	443	15	278	0	0
J2 Segment Option Variation Area	Proposed Orange Route	0	0	0	0	0	0	22	365	42	652	4	134	0	13	68	1,165	0	0	0	0
	Mizpah Alignment Modification	0	0	0	0	0	0	21	361	42	657	4	134	0	13	68	1,165	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	0	0	96	15	141	0	0	14	358	30	544	0	50	0	0
	Gravel Pit Alignment Modification	0	0	0	0	0	0	<0.5	92	4	132	0	0	27	384	30	557	<0.5	51	0	0
Effie Variation Area	Proposed Blue/Orange Route	0	0	0	0	0	0	27	522	7	74	11	193	14	256	38	640	22	405	0	0
	Bass Lake Alignment Modification	0	0	0	0	0	0	22	561	8	74	20	209	10	208	42	635	18	416	0	0
	Proposed Blue Route	0	0	0	0	0	0	40	778	0	31	10	146	10	91	38	686	22	361	0	0
	Wilson Lake Alignment Modification	0	0	0	0	0	0	44	749	0	31	8	150	9	120	37	709	23	341	0	0
Balsam Variation Area Dead Man's Variation Area	Proposed Blue Route	0	0	0	0	0	0	16	345	0	7	0	0	15	267	30	511	1	108	0	0
	Grass Lake Alignment Modification	0	0	0	0	0	0	10	345	0	7	0	0	22	280	27	509	5	123	0	0
	Proposed Blue Route	0	0	0	0	0	0	30	480	6	87	0	0	5	193	35	639	5	121	0	0
	Dead Man's Pond Alignment Modification	0	0	0	0	0	0	33	480	4	78	0	0	2	188	37	618	3	128	0	0
Blackberry Variation Area	Proposed Orange Route	0	0	0	0	0	0	1	163	8	78	0	0	16	286	24	379	1	147	0	0
	Trout Lake Alignment Modification	0	0	0	0	0	0	4	169	11	82	0	0	11	286	22	393	4	145	0	0

Datasets <sup>(1)</sup>		Corridor Sharing <sup>(8)</sup>											
		Transmission Line only		Transmission Line and Trail		None		Field Line only		Road and Trail and PLSS		Road and Transmission Line and PLSS	
Type		Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Unit		Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)		--	--	--	--	--	--	--	--	--	--	--	--
Pine Island Variation Area	Proposed Blue Route	1.0	100	0	0	0	0	0	0	0	0	0	0
	Silver Creek WMA Alignment Modification	0.0	0	0	0	1	100	0	0	0	0	0	0
C2 Segment Option Variation Area	C2 Segment Option	0.9	60	0	0	1	40	0	0	0	0	0	0
	Airstrip Alignment Modification	0.0	0	0	0	2	100	0	0	0	0	0	0
J2 Segment Option Variation Area	Proposed Orange Route	0.0	0	0	0	2	82	1	18	0	0	0	0
	Mizpah Alignment Modification	0.0	0	0	0	2	81	1	18	0	0	0	0
	Proposed Orange Route	0.0	0	0	0	1	100	0	0	0	0	0	0
	Gravel Pit Alignment Modification	0.0	0	0	0	1	100	0	0	0	0	0	0
Effie Variation Area	Proposed Blue/Orange Route	0.0	0	0	0	2	100	0	0	0	0	0	0
	Bass Lake Alignment Modification	0.0	0	0	0	2	100	0	0	0	0	0	0
	Proposed Blue Route	0.0	0	0	0	2	100	0	0	0	0	0	0
	Wilson Lake Alignment Modification	0.0	0	0	0	2	100	0	0	0	0	0	0
Balsam Variation Area	Proposed Blue Route	0.0	0	0	0	1	100	0	0	0	0	0	0
	Grass Lake Alignment Modification	0.0	0	0	0	1	100	0	0	0	0	0	0
	Proposed Blue Route	0.0	0	0	0	1	77	0	0	0	0	0	0
Dead Man's Variation Area	Dead Man's Pond Alignment Modification	0.0	0	0	0	2	100	0	0	0	0	0	0
	Proposed Orange Route	0.0	0	0	0	1	100	0	0	0	0	0	0
Blackberry Variation Area	Proposed Orange Route	0.0	0	0	0	1	100	0	0	0	0	0	0
	Trout Lake Alignment Modification	0.0	0	0	0	1	100	0	0	0	0	0	0

Datasets <sup>(1)</sup>		Corridor Sharing <sup>(8)</sup>											
Type		PLSS only		Road and Trail and PLSS and Field Line		Road and PLSS and Field Line		Transmission Line and PLSS		Transmission Line and Trail and PLSS		Road and PLSS	
Unit		Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)		--	--	--	--	--	--	--	--	--	--	--	--
Pine Island Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0
	Silver Creek WMA Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0
C2 Segment Option Variation Area	C2 Segment Option	0	0	0	0	0	0	0	0	0	0	0	0
	Airstrip Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0
J2 Segment Option Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0
	Mizpah Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0
	Gravel Pit Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0
Effie Variation Area	Proposed Blue/Orange Route	0	0	0	0	0	0	0	0	0	0	0	0
	Bass Lake Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0
	Wilson Lake Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0
Balsam Variation Area Dead Man's Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0
	Grass Lake Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0
Blackberry Variation Area	Dead Man's Pond Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0
	Trout Lake Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0

Datasets <sup>(1)</sup>		Corridor Sharing <sup>(8)</sup>															
Type	Unit	Transmission Line and PLSS and Field Line		Road and Transmission Line and PLSS and Field Line		PLSS and Field Line		Transmission Line and Field Line		Road and Transmission Line and Trail and PLSS		Road only		Trail and PLSS		Trail only	
		Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pine Island Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Silver Creek WMA Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C2 Segment Option Variation Area	C2 Segment Option	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Airstrip Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J2 Segment Option Variation Area	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mizpah Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gravel Pit Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Effie Variation Area	Proposed Blue/Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bass Lake Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Wilson Lake Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balsam Variation Area Dead Man's Variation Area	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Grass Lake Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Blue Route	0	0	0	0	0	0	0	0	0	0	<0.5	23	0	0	0	0
Blackberry Variation Area	Dead Man's Pond Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trout Lake Alignment Modification	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Dataset <sup>(1)</sup>		Residences						Churches		Commercial & Non-Residential Structures		Cemeteries		Private Airstrips			Historic Architectural Sites		
Unit		Count						Count		Count		Count		Count			Count		
Buffer <sup>(2)</sup> (ft)		100	150	200	500	1,000	1,500	100	1,500	100	1,500	100	1,500	100	1,500	5,280	100	1,500	5,280
Pine Island Variation Area	Proposed Blue Route	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0
	Silver Creek WMA Alignment Modification	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0
C2 Segment Option Variation Area	C2 Segment Option	0	0	0	0	0	1			0	6	0	0	0	0	1	0	0	0
	Airstrip Alignment Modification	0	0	0	0	0	0			0	1	0	0	0	0	1	0	0	0
J2 Segment Option Variation Area	Proposed Orange Route	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0
	Mizpah Alignment Modification	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0
	Proposed Orange Route	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0
Effie Variation Area	Gravel Pit Alignment Modification	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0
	Proposed Blue/Orange Route	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0
	Bass Lake Alignment Modification	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0
	Proposed Blue Route	0	0	0	0	0	1			0	0	0	0	0	0	0	0	0	0
Balsam Variation Area	Wilson Lake Alignment Modification	0	0	0	0	0	1			0	0	0	0	0	0	0	0	0	0
	Proposed Blue Route	0	0	0	0	1	1			0	1	0	0	0	0	0	0	0	0
Dead Man's Variation Area	Grass Lake Alignment Modification	0	0	0	0	0	7			0	7	0	0	0	0	0	0	0	0
	Proposed Blue Route	0	0	0	0	1	1			0	3	0	0	0	0	0	0	0	1
Blackberry Variation Area	Dead Man's Pond Alignment Modification	0	0	0	0	0	1			0	3	0	0	0	0	0	0	0	1
	Proposed Orange Route	0	0	0	0	3	3			0	7	0	0	0	0	0	0	0	2
Blackberry Variation Area	Trout Lake Alignment Modification	0	0	0	0	1	4			0	7	0	0	0	0	0	0	0	2

Dataset <sup>(1)</sup>		Archaeological Sites			Communication Towers		State Aggregate Sources		MPCA Impaired Streams		National Hydrology Dataset Flowlines		National Hydrology Dataset Waterbodies		MnDNR Public Water Inventory Watercourses		MnDNR Public Water Inventory Basins		MnDNR Public Water Inventory Wetlands	
Unit		Count			Count		Count		Count		Count		Count		Count		Count		Count	
Buffer <sup>(2)</sup> (ft)		100	1,500	5,280	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
Pine Island Variation Area	Proposed Blue Route	0	0	0			0	0			1	6	0	0	0	0	0	0	0	0
	Silver Creek WMA Alignment Modification	0	0	0			0	0			1	6	0	0	0	0	0	0	0	0
C2 Segment Option Variation Area	C2 Segment Option	0	0	0			0	0			1	1	0	1	1	1	0	0	0	0
	Airstrip Alignment Modification	0	0	0			0	1			1	1	0	0	1	1	0	0	0	0
J2 Segment Option Variation Area	Proposed Orange Route	0	0	0			0	0			7	7	0	0	1	1	0	0	0	0
	Mizpah Alignment Modification	0	0	0			0	0			4	7	0	0	1	1	0	0	0	0
	Proposed Orange Route	0	0	0			1	1			0	0	0	0	0	0	0	0	0	0
	Gravel Pit Alignment Modification	0	0	0			0	1			0	0	0	0	0	0	0	0	0	0
Effie Variation Area	Proposed Blue/Orange Route	0	0	0			0	0			0	0	0	0	0	0	0	0	0	0
	Bass Lake Alignment Modification	0	0	0			0	0			0	0	0	0	0	0	0	0	0	0
	Proposed Blue Route	0	0	2			0	0			1	1	0	3	1	1	0	0	0	1
	Wilson Lake Alignment Modification	0	0	1			0	0			1	1	0	2	1	1	0	0	0	0
Balsam Variation Area	Proposed Blue Route	0	0	0			0	0			0	0	1	4	0	0	0	1	1	2
	Grass Lake Alignment Modification	0	0	0			0	0			0	0	0	5	0	0	0	2	0	2
Dead Man's Variation Area	Proposed Blue Route	0	0	2			0	0			0	3	0	1	0	2	0	1	0	1
	Dead Man's Pond Alignment Modification	0	0	3			0	0			0	3	1	1	0	2	0	1	1	1
Blackberry Variation Area	Proposed Orange Route	0	0	0			0	0			0	0	0	0	0	0	0	0	0	0
	Trout Lake Alignment Modification	0	0	0			0	0			0	0	0	0	0	0	0	0	0	0

Dataset <sup>(1)</sup>		MnDNR Trout Streams		MnDNR Shallow Lakes		MnDNR Wild Rice Lakes		State Trails		County/Local Parks		State Forests		USDA-USFS National Forest		State Scenic Byways	
Unit		Count		Count		Count		Count		Count		Count		Count		Count	
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
Pine Island Variation Area	Proposed Blue Route			0	0	0	0			0	0	1	1				
	Silver Creek WMA Alignment Modification			0	0	0	0			0	0	1	1				
C2 Segment Option Variation Area	C2 Segment Option			0	0	0	0			0	0	0	0				
	Airstrip Alignment Modification			0	0	0	0			0	0	0	0				
J2 Segment Option Variation Area	Proposed Orange Route			0	0	0	0			0	0	1	1				
	Mizpah Alignment Modification			0	0	0	0			0	0	1	1				
	Proposed Orange Route			0	0	0	0			0	0	0	0				
Effie Variation Area	Gravel Pit Alignment Modification			0	0	0	0			0	0	0	0				
	Proposed Blue/Orange Route			0	0	0	0			0	1	1	1				
	Bass Lake Alignment Modification			0	0	0	0			0	1	1	1				
	Wilson Lake Alignment Modification			0	0	0	0			0	0	1	1				
Balsam Variation Area	Proposed Blue Route			0	1	1	1			0	0	0	0				
	Grass Lake Alignment Modification			0	1	0	1			0	0	0	0				
Dead Man's Variation Area	Proposed Blue Route			0	0	0	0			0	0	0	0				
	Dead Man's Pond Alignment Modification			0	0	0	0			0	0	0	0				
Blackberry Variation Area	Proposed Orange Route			0	0	0	0			0	0	0	0				
	Trout Lake Alignment Modification			0	0	0	0			0	0	0	0				

Dataset <sup>(1)</sup>		Snowmobile Trails		Water Access Points		State Water Trails		MnDNR Scientific and Natural Areas		MnDNR NHIS Database Records (Endangered, Threatened, and Special Concern) <sup>(9)</sup>			MnDNR Colonial Waterbird Nesting Sites			MnDNR High Conservation Value Forest		MnDNR Scientific and Natural Area Peatland Watershed Protection Areas	
		Unit	Count		Count		Count		Count		Count			Count			Count		
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	5,280	100	1,500	5,280	100	1,500	100	1,500
Pine Island Variation Area	Proposed Blue Route	0	0							0	0	0	0	0	0				
	Silver Creek WMA Alignment Modification	0	0							0	0	0	0	0	0				
C2 Segment Option Variation Area	C2 Segment Option	0	0							0	0	0	0	0	0				
	Airstrip Alignment Modification	0	0							0	0	0	0	0	0				
J2 Segment Option Variation Area	Proposed Orange Route	0	0							0	0	0	0	0	0				
	Mizpah Alignment Modification	0	0							0	0	0	0	0	0				
	Proposed Orange Route	0	0							0	0	0	0	0	0				
	Gravel Pit Alignment Modification	0	0							0	0	0	0	0	0				
Effie Variation Area	Proposed Blue/Orange Route	1	1							0	0	1	0	0	1				
	Bass Lake Alignment Modification	1	1							0	0	1	0	0	1				
	Proposed Blue Route	0	0							0	0	0	0	0	0				
	Wilson Lake Alignment Modification	0	0							0	0	0	0	0	0				
Balsam Variation Area	Proposed Blue Route	0	0							0	0	0	0	0	0				
	Grass Lake Alignment Modification	0	0							0	0	0	0	0	0				
Dead Man's Variation Area	Proposed Blue Route	0	0							0	0	0	0	0	0				
	Dead Man's Pond Alignment Modification	0	0							0	0	0	0	0	0				
Blackberry Variation Area	Proposed Orange Route	0	0							0	0	0	0	0	0				
	Trout Lake Alignment Modification	0	0							0	0	0	0	0	0				

Dataset <sup>(1)</sup>		MnDNR Calcareous Fens			MPCA What's in My Neighborhood Sites (Active and Inactive)		Minnesota Department of Health County Well Index		MnDNR Wildlife Management Areas		USFWS Interest Lands			MnDNR Gray Owl Management Area	
Unit		Count			Count		Count		Count		Count			Count	
Buffer <sup>(2)</sup> (ft)		100	1,500	5,280	100	1,500	100	1,500	100	1,500	100	150	1,500	100	1,500
Pine Island Variation Area	Proposed Blue Route				0	0	0	0	0	1	1	1	1		
	Silver Creek WMA Alignment Modification				0	0	0	0	0	1	0	1	1		
C2 Segment Option Variation Area	C2 Segment Option				0	0	0	0	0	0	0	0	0		
	Airstrip Alignment Modification				0	0	0	0	0	0	0	0	0		
J2 Segment Option Variation Area	Proposed Orange Route				0	0	0	0	0	0	0	0	0		
	Mizpah Alignment Modification				0	0	0	0	0	0	0	0	0		
	Proposed Orange Route				1	1	0	0	0	0	0	0	0		
	Gravel Pit Alignment Modification				0	1	0	0	0	0	0	0	0		
Effie Variation Area	Proposed Blue/Orange Route				0	0	0	0	0	0	0	0	0		
	Bass Lake Alignment Modification				0	0	0	0	0	0	0	0	0		
	Proposed Blue Route				0	0	0	0	0	0	0	0	0		
	Wilson Lake Alignment Modification				0	0	0	0	0	0	0	0	0		
Balsam Variation Area	Proposed Blue Route				0	0	0	1	0	0	0	0	0		
	Grass Lake Alignment Modification				0	0	0	4	0	0	0	0	0		
Dead Man's Variation Area	Proposed Blue Route				0	0	0	1	0	0	0	0	0		
	Dead Man's Pond Alignment Modification				0	0	0	0	0	0	0	0	0		
Blackberry Variation Area	Proposed Orange Route				0	0	0	2	0	0	0	0	0		
	Trout Lake Alignment Modification				0	0	0	2	0	0	0	0	0		

Datasets <sup>(1)</sup>		State Mineral Leases	County Lands	MPCA Impaired Streams	National Hydrology Dataset Flowlines	National Hydrology Dataset Waterbodies	MnDNR Public Water Inventory Watercourses	MnDNR Public Water Inventory Basins	MnDNR Public Water Inventory Wetlands
Unit		Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings
Pine Island Variation Area	Proposed Blue Route	5	0		0	0	0		0
	Silver Creek WMA Alignment Modification	7	0		0	0	0		0
C2 Segment Option Variation Area	C2 Segment Option	0	0		1	0	1		0
	Airstrip Alignment Modification	0	0		1	0	1		0
J2 Segment Option Variation Area	Proposed Orange Route	0	0		5	0	1		0
	Mizpah Alignment Modification	0	0		3	0	1		0
	Proposed Orange Route	0	0		0	0	0		0
	Gravel Pit Alignment Modification	0	0		0	0	0		0
Effie Variation Area	Proposed Blue/Orange Route	14	0		0	0	0		0
	Bass Lake Alignment Modification	14	0		0	0	0		0
	Proposed Blue Route	13	0		1	0	1		0
	Wilson Lake Alignment Modification	16	0		1	0	1		0
Balsam Variation Area	Proposed Blue Route	0	0		0	1	0		1
	Grass Lake Alignment Modification	0	0		0	0	0		0
Dead Man's Variation Area	Proposed Blue Route	0	0		0	0	0		0
	Dead Man's Pond Alignment Modification	0	0		0	1	0		1
Blackberry Variation Area	Proposed Orange Route	0	0		0	0	0		0
	Trout Lake Alignment Modification	0	0		0	0	0		0

Datasets <sup>(1)</sup>		MnDNR Trout Streams	MnDNR Shallow Lakes	MnDNR Wild Rice Lakes	State Trails	State Forests	USDA-USFS National Forest	State Scenic Byways	Snowmobile Trails	State Water Trails	MnDNR Scientific and Natural Areas	MnDNR High Conservation Value Forest	MnDNR Scientific and Natural Area Peatland Watershed Protection Areas	MnDNR Ecologically Important Lowland Conifer Areas
Unit		Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings
Pine Island Variation Area	Proposed Blue Route			0		1		0	0					
	Silver Creek WMA Alignment Modification			0		1		0	0					
C2 Segment Option Variation Area	C2 Segment Option			0		0		0	0					
	Airstrip Alignment Modification			0		0		0	0					
J2 Segment Option Variation Area	Proposed Orange Route			0		1		0	0					
	Mizpah Alignment Modification			0		1		0	0					
	Proposed Orange Route			0		0		0	0					
	Gravel Pit Alignment Modification			0		0		0	0					
Effie Variation Area	Proposed Blue/Orange Route			0		1		0	1					
	Bass Lake Alignment Modification			0		1		0	1					
	Proposed Blue Route			0		1		0	0					
	Wilson Lake Alignment Modification			0		1		0	0					
Balsam Variation Area	Proposed Blue Route			1		0		0	0					
	Grass Lake Alignment Modification			0		0		0	0					
Dead Man's Variation Area	Proposed Blue Route			0		0		0	0					
	Dead Man's Pond Alignment Modification			0		0		0	0					
Blackberry Variation Area	Proposed Orange Route			0		0		0	0					
	Trout Lake Alignment Modification			0		0		0	0					

Datasets <sup>(1)</sup>		MnDNR Wildlife Management Areas	Minnesota Department of Health Wellhead Protection Areas	USFWS Interest Lands	Audubon Society Important Bird Areas	USFWS Grassland Bird Conservation Areas
Unit		Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings
Pine Island Variation Area	Proposed Blue Route			1	1	
	Silver Creek WMA Alignment Modification			0	1	
C2 Segment Option Variation Area	C2 Segment Option			0	0	
	Airstrip Alignment Modification			0	0	
J2 Segment Option Variation Area	Proposed Orange Route			0	0	
	Mizpah Alignment Modification			0	0	
	Proposed Orange Route			0	0	
	Gravel Pit Alignment Modification			0	0	
Effie Variation Area	Proposed Blue/Orange Route			0	1	
	Bass Lake Alignment Modification			0	1	
	Proposed Blue Route			0	0	
	Wilson Lake Alignment Modification			0	0	
Balsam Variation Area	Proposed Blue Route			0	0	
	Grass Lake Alignment Modification			0	0	
Dead Man's Variation Area	Proposed Blue Route			0	0	
	Dead Man's Pond Alignment Modification			0	0	
Blackberry Variation Area	Proposed Orange Route			0	0	
	Trout Lake Alignment Modification			0	0	

Datasets <sup>(1)</sup>	Base Length	State Mineral Leases		State Fee Lands <sup>(3)</sup>		State Fee Lands by Type <sup>(3)</sup>								County Lands		FEMA Floodplains				MPCA Impaired Streams		
						Consolidated Conservation	Other - Acquired, Tax Forfeit, Volstead	Trust Fund		Federal - State Lease		Zone A	Zone B									
Type	--	--	--	--	--	Consolidated Conservation	Other - Acquired, Tax Forfeit, Volstead	Trust Fund		Federal - State Lease		--	Zone A	Zone B		--						
Unit	Length (mi)	Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Length (mi)		
Buffer <sup>(2)</sup> (ft)	100	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	
Cedar Bend WMA Variation Area	Hop 1	0.7			17	372	17	372	0	0	0	0	0	0								
	Hop 2	1.2			30	571	30	571	0	0	0	0	0	0								
Cedar Bend WMA and Beltrami North Variation Area	Hop 3	0.9			23	502	23	502	0	0	0	0	0	0								
Beltrami North Variation Area	Hop 4	0.9			23	502	23	502	0	0	0	0	0	0								
Beltrami North Central Variation Area	Hop 5	3.5			73	1,213	73	1,213	0	0	0	0	0	0								

Datasets <sup>(1)</sup>		National Hydrology Dataset Flowlines		National Hydrology Dataset Waterbodies		MnDNR Public Water Inventory Watercourses		MnDNR Public Water Inventory Basins		MnDNR Public Water Inventory Wetlands		MnDNR Trout Streams	
Type		--		--		--		--		--		--	
Unit		Length (mi)		Area (ac)		Length (mi)		Area (ac)		Area (ac)		Length (mi)	
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
Cedar Bend WMA Variation Area	Hop 1	0	0										
	Hop 2	0	0										
Cedar Bend WMA and Beltrami North Variation Area	Hop 3	0	0										
Beltrami North Variation Area	Hop 4	0	0										
Beltrami North Central Variation Area	Hop 5	0.1	0.7										

Datasets <sup>(1)</sup>		USFWS National Wetland Inventory <sup>(4)</sup>												MnDNR Shallow Lakes		MnDNR Wild Rice Lakes	
Type		PEM		PSS		PFO		PUB		River		Lake		--		--	
Unit		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)	
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
Cedar Bend WMA Variation Area	Hop 1	<0.5	21	<0.5	22	16	363	0	0	0	0	0	0				
	Hop 2	1	26	3	81	26	498	0	0	0	0	0	0				
Cedar Bend WMA and Beltrami North Variation Area	Hop 3	0	0	<0.5	29	23	473	0	0	0	0	0	0				
Beltrami North Variation Area	Hop 4	0	0	<0.5	29	23	473	0	0	0	0	0	0				
Beltrami North Central Variation Area	Hop 5	4	54	23	333	57	1,006	0	0	0	0	0	0				

Datasets <sup>(1)</sup>		State Trails		County/Local Parks		State Forests		USDA-USFS National Forest		State Scenic Byways	
Type		--		--		--		--		--	
Unit		Length (mi)		Area (ac)		Area (ac)		Area (ac)		Length (mi)	
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
Cedar Bend WMA Variation Area	Hop 1					17	372				
	Hop 2					30	571				
Cedar Bend WMA and Beltrami North Variation Area	Hop 3					23	502				
Beltrami North Variation Area	Hop 4					23	502				
Beltrami North Central Variation Area	Hop 5					75	1,216				

Datasets <sup>(1)</sup>	State Snowmobile Trails		State Water Trails		State Conservation Easements		Preliminary MBS Sites of Biodiversity Significance <sup>(5)</sup>												MBS Native Plant Communities <sup>(6)(7)</sup>		MnDNR Scientific and Natural Areas		
	Type	--		--		--		Outstanding		High		Moderate		Below		Rank Unknown		Total		--		--	
Unit	Length (mi)		Length (mi)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		
Buffer <sup>(2)</sup> (ft)	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	
Cedar Bend WMA Variation Area	Hop 1	<0.05	0.7					0	0	10	134	7	267	0	0	0	0	17	401				
	Hop 2	0.5	2.1					0	0	8	189	22	411	0	0	0	0	30	599				
Cedar Bend WMA and Beltrami North Variation Area	Hop 3	0	0.8					0	0	20	308	3	194	0	0	0	0	23	502				
Beltrami North Variation Area	Hop 4	0	0.8					0	0	20	308	3	194	0	0	0	0	23	502				
Beltrami North Central Variation Area	Hop 5	0	0					0	0	38	574	0	0	0	0	39	678	77	1,252				

Datasets <sup>(1)</sup>	MnDNR High Conservation Value Forest		MnDNR Scientific and Natural Area, Peatland Watershed Protection Areas		MnDNR Ecologically Important Lowland Conifer Areas		Minnesota Department of Health Well Head Protection Areas		MnDNR State Wildlife Management Areas		USFWS Interest Lands			Audubon Society Important Bird Areas		USFWS Grassland Bird Conservation Areas		MnDNR Gray Owl Management Area	
	Type	--		--		--		--		--		--			--		--		
Unit	Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)			Area (ac)		Area (ac)			
Buffer <sup>(2)</sup> (ft)	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	150	1,500	100	1,500	100	1,500	100	1,500
Cedar Bend WMA Variation Area	Hop 1													0	0				
	Hop 2													0	0				
Cedar Bend WMA and Beltrami North Variation Area	Hop 3													0	0				
Beltrami North Variation Area	Hop 4													0	0				
Beltrami North Central Variation Area	Hop 5													85	1,423				

Datasets <sup>(1)</sup>		GAP Land Cover Vegetation Class Level - Division 4																	
Type		Herbaceous Agricultural Vegetation		North American Boreal Forest		North American Boreal Flooded & Swamp Forest		Eastern North American Cool Temperate Forest		Eastern North American Flooded & Swamp Forest		Great Plains Grassland & Shrubland		Developed & Urban		Recently Disturbed or Modified		Open Water	
Unit		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)	
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
Cedar Bend WMA Variation Area	Hop 1			5	55	12	332	<0.5	1	1	17	0	0	0	0	0	0	0	0
	Hop 2			6	112	23	434	1	2	1	57	0	0	0	0	0	0	0	0
Cedar Bend WMA and Beltrami North Variation Area	Hop 3			4	92	11	335	0	1	8	75	0	0	0	0	0	0	0	0
Beltrami North Variation Area	Hop 4			4	92	11	335	0	1	8	75	0	0	0	0	0	0	0	0
Beltrami North Central Variation Area	Hop 5			39	526	40	710	1	20	5	165	0	0	0	0	0	2	0	0

Datasets <sup>(1)</sup>		GAP Land Cover Vegetation Class Level - Division 4						Farmland								USDA-NRCS Soil Type				Abandoned Transmission Line	
Type		Southeastern North American Flooded & Swamp Forest		Eastern North America Freshwater Wet Meadow, Riparian & Marsh		Introduced & Semi Natural Vegetation		Not Farmland		Prime Farmland If Drained		Farmland Of Statewide Importance		All Areas Are Prime Farmland		Mineral		Histosol		--	
Unit		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	--	--
Cedar Bend WMA Variation Area	Hop 1	0	0	0	0	0	0	17	406	0	0	0	0	0	0	6	178	10	228	0	0
	Hop 2	0	0	0	0	0	0	30	605	0	0	0	0	0	0	13	283	17	321	0	0
Cedar Bend WMA and Beltrami North Variation Area	Hop 3	0	0	0	0	0	0	23	502	0	0	0	0	0	0	3	72	20	430	0	0
Beltrami North Variation Area	Hop 4	0	0	0	0	0	0	23	502	0	0	0	0	0	0	3	72	20	430	0	0
Beltrami North Central Variation Area	Hop 5	0	0	0	0	0	0	85	1,401	0	1	0	21	0	0	66	1,076	19	347	0	0

Datasets <sup>(1)</sup>		Corridor Sharing <sup>(8)</sup>							
Type		Transmission Line only		Transmission Line and Trail		None		Field Line only	
Unit		Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)		--	--	--	--	--	--	--	--
Cedar Bend WMA Variation Area	Hop 1	0	0	0	0	1	100	0	0
	Hop 2	0	0	1	100	0	0	0	0
Cedar Bend WMA and Beltrami North Variation Area	Hop 3	0	0	0	0	1	100	0	0
Beltrami North Variation Area	Hop 4	0	0	0	0	1	100	0	0
Beltrami North Central Variation Area	Hop 5	0	0	0	0	0	0	0	0

Datasets <sup>(1)</sup>		Corridor Sharing <sup>(8)</sup>											
Type		Road and Trail and PLSS		Road and Transmission Line and PLSS		PLSS only		Road and Trail and PLSS and Field Line		Road and PLSS and Field Line		Transmission Line and PLSS	
Unit		Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)		--	--	--	--	--	--	--	--	--	--	--	--
Cedar Bend WMA Variation Area	Hop 1	0	0	0	0	0	0	0	0	0	0	0	0
	Hop 2	0	0	0	0	0	0	0	0	0	0	0	0
Cedar Bend WMA and Beltrami North Variation Area	Hop 3	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami North Variation Area	Hop 4	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami North Central Variation Area	Hop 5	0	0	0	0	3	100	0	0	0	0	0	0

Datasets <sup>(1)</sup>		Corridor Sharing <sup>(8)</sup>											
		Transmission Line and Trail and PLSS		Road and PLSS		Transmission Line and PLSS and Field Line		Road and Transmission Line and PLSS and Field Line		PLSS and Field Line		Transmission Line and Field Line	
Type		Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Unit		Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)		--	--	--	--	--	--	--	--	--	--	--	--
Cedar Bend WMA Variation Area	Hop 1	0	0	0	0	0	0	0	0	0	0	0	0
	Hop 2	0	0	0	0	0	0	0	0	0	0	0	0
Cedar Bend WMA and Beltrami North Variation Area	Hop 3	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami North Variation Area	Hop 4	0	0	0	0	0	0	0	0	0	0	0	0
Beltrami North Central Variation Area	Hop 5	0	0	0	0	0	0	0	0	0	0	0	0

Datasets <sup>(1)</sup>		Corridor Sharing <sup>(8)</sup>							
Type		Road and Transmission Line and Trail and PLSS		Road only		Trail and PLSS		Trail only	
Unit		Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)		--	--	--	--	--	--	--	--
Cedar Bend WMA Variation Area	Hop 1	0	0	0	0	0	0	0	0
	Hop 2	0	0	0	0	0	0	0	0
Cedar Bend WMA and Beltrami North Variation Area	Hop 3	0	0	0	0	0	0	0	0
Beltrami North Variation Area	Hop 4	0	0	0	0	0	0	0	0
Beltrami North Central Variation Area	Hop 5	0	0	0	0	0	0	0	0

Dataset <sup>(1)</sup>		Residences					Churches		Commercial & Non-Residential Structures		Cemeteries		Private Airstrips			Historic Architectural Sites			Archaeological Sites			Communication Towers		State Aggregate Sources		MPCA Impaired Streams		
Unit		Count					Count		Count		Count		Count			Count			Count		Count		Count					
Buffer <sup>(2)</sup> (ft)		100	150	200	500	1,000	1,500	100	1,500	100	1,500	100	1,500	100	1,500	5,280	100	1,500	5,280	100	1,500	5,280	100	1,500	100	1,500	100	1,500
Cedar Bend WMA Variation Area	Hop 1																											
	Hop 2																											
Cedar Bend WMA and Beltrami North Variation Area	Hop 3																											
Beltrami North Variation Area	Hop 4																											
Beltrami North Central Variation Area	Hop 5																											

Dataset <sup>(1)</sup>	National Hydrology Dataset Flowlines		National Hydrology Dataset Waterbodies		MnDNR Public Water Inventory Watercourses		MnDNR Public Water Inventory Basins		MnDNR Public Water Inventory Wetlands		MnDNR Trout Streams		MnDNR Shallow Lakes		MnDNR Wild Rice Lakes		State Trails		County/Local Parks		State Forests		USDA-USFS National Forest	
	Unit		Count		Count		Count		Count		Count		Count		Count		Count		Count		Count		Count	
	Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
Cedar Bend WMA Variation Area	Hop 1	0	0																		2	2		
	Hop 2	0	0																		2	2		
Cedar Bend WMA and Beltrami North Variation Area	Hop 3	0	0																		1	2		
Beltrami North Variation Area	Hop 4	0	0																		1	2		
Beltrami North Central Variation Area	Hop 5	1	1																		1	1		

Dataset <sup>(1)</sup>	State Scenic Byways		Snowmobile Trails		Water Access Points		State Water Trails		MnDNR Scientific and Natural Areas		MnDNR NHIS Database Records (Endangered, Threatened, and Special Concern) <sup>(9)</sup>			MnDNR Colonial Waterbird Nesting Sites			MnDNR High Conservation Value Forest		MnDNR Scientific and Natural Area Peatland Watershed Protection Areas		MnDNR Calcareous Fens		
	Unit		Count		Count		Count		Count		Count			Count			Count		Count				
	Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	5,280	100	1,500	5,280	100	1,500	100	1,500	100	1,500	5,280
Cedar Bend WMA Variation Area	Hop 1			1	1							0	0	1									
	Hop 2			1	1							0	0	0									
Cedar Bend WMA and Beltrami North Variation Area	Hop 3			0	1							0	0	1									
Beltrami North Variation Area	Hop 4			0	1							0	0	0									
Beltrami North Central Variation Area	Hop 5			0	0							0	0	6									

Dataset <sup>(1)</sup>		MPCA What's in My Neighborhood Sites (Active and Inactive)		Minnesota Department of Health County Well Index		MnDNR Wildlife Management Areas		USFWS Interest Lands			MnDNR Gray Owl Management Area	
Unit		Count		Count		Count		Count			Count	
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	150	1,500	100	1,500
Cedar Bend WMA Variation Area	Hop 1											
	Hop 2											
Cedar Bend WMA and Beltrami North Variation Area	Hop 3											
Beltrami North Variation Area	Hop 4											
Beltrami North Central Variation Area	Hop 5											

Datasets <sup>(1)</sup>		State Mineral Leases	County Lands	MPCA Impaired Streams	National Hydrology Dataset Flowlines	National Hydrology Dataset Waterbodies	MnDNR Public Water Inventory Watercourses	MnDNR Public Water Inventory Basins	MnDNR Public Water Inventory Wetlands	MnDNR Trout Streams	MnDNR Shallow Lakes
Unit		Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings
Cedar Bend WMA Variation Area	Hop 1				0						
	Hop 2				0						
Cedar Bend WMA and Beltrami North Variation Area	Hop 3				0						
Beltrami North Variation Area	Hop 4				0						
Beltrami North Central Variation Area	Hop 5				1						

Datasets <sup>(1)</sup>		MnDNR Wild Rice Lakes	State Trails	State Forests	USDA-USFS National Forest	State Scenic Byways	Snowmobile Trails	State Water Trails	MnDNR Scientific and Natural Areas	MnDNR High Conservation Value Forest	MnDNR Scientific and Natural Area Peatland Watershed Protection Areas	MnDNR Ecologically Important Lowland Conifer Areas
Unit		Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings
Cedar Bend WMA Variation Area	Hop 1			3								
	Hop 2			2								
Cedar Bend WMA and Beltrami North Variation Area	Hop 3			1								
Beltrami North Variation Area	Hop 4			1								
Beltrami North Central Variation Area	Hop 5			2								

Datasets <sup>(1)</sup>		MnDNR Wildlife Management Areas	Minnesota Department of Health Wellhead Protection Areas	USFWS Interest Lands	Audubon Society Important Bird Areas	USFWS Grassland Bird Conservation Areas
Unit		Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings	Number of Crossings
Cedar Bend WMA Variation Area	Hop 1				0	
	Hop 2				0	
Cedar Bend WMA and Beltrami North Variation Area	Hop 3				0	
Beltrami North Variation Area	Hop 4				0	
Beltrami North Central Variation Area	Hop 5				1	

Dataset <sup>(1)</sup>	Base Length	State Mineral Leases		State Fee Lands <sup>(3)</sup>		State Fee Lands by Type <sup>(3)</sup>						County Lands		FEMA Floodplains				MPCA Impaired Streams		National Hydrology Dataset Flowlines		National Hydrology Dataset Waterbodies			
						Consolidated Conservation	Other - Acquired, Tax Forfeit, Volstead		Trust Fund		Federal - State Lease			--		Zone A								Zone B	
Type	--	--		--		Consolidated Conservation		Other - Acquired, Tax Forfeit, Volstead		Trust Fund		Federal - State Lease		--		Zone A		Zone B		--		--		--	
Unit	Length (mi)	Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Length (mi)		Length (mi)		Area (ac)	
Buffer <sup>(2)</sup> (ft)	--	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
<b>Proposed Blue Route</b>	215.2	1,455	21,913	3,635	53,402	1,736	24,780	661	10,700	1,214	17,341	25	581	10	94	350	53	5	53	0.3	6.1	10.2	116.0	12	299
<b>Proposed Orange Route</b>	215.7	789	11,539	3,895	57,182	1,856	26,718	1,055	16,157	944	13,487	41	820	0	17	368	53	5	53	0.4	7.1	9.0	125.3	11	386

Dataset <sup>(1)</sup>	MnDNR Public Water Inventory Watercourses		MnDNR Public Water Inventory Basins		MnDNR Public Water Inventory Wetlands		MnDNR Trout Streams		USFWS National Wetland Inventory <sup>(4)</sup>										MnDNR Shallow Lakes		MnDNR Wild Rice Lakes		State Trails			
	Type	--		--		--		--		PEM		PSS		PFO		PUB		River		Lake		--		--		--
Unit	Length (mi)		Area (ac)		Area (ac)		Length (mi)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Length (mi)	
Buffer <sup>(2)</sup> (ft)	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
<b>Proposed Blue Route</b>	1.8	35.6	10	220	6	159	<0.5	0.6	545	6,578	1,167	16,972	1,976	30,180	6	95	5	65	7	204	9	137	5	40	0.2	4.1
<b>Proposed Orange Route</b>	2.6	43.3	14	286	0	51	0	0	404	5,829	1,277	18,327	1,737	25,599	9	224	1	13	2	162	9	156	0	0	0.1	2.6

Dataset <sup>(1)</sup>	County/Local Parks		State Forests		USDA-USFS National Forest		State Scenic Byways		State Snowmobile Trails		State Water Trails		State Conservation Easements	
	Type		--		--		--		--		--		--	
Unit	Area (ac)		Area (ac)		Area (ac)		Length (mi)		Length (mi)		Length (mi)		Area (ac)	
	Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
<b>Proposed Blue Route</b>	0	24	3,758	55,180			<0.5	1.0	1.5	35.9	<0.5	0.8	218	2,952
<b>Proposed Orange Route</b>	0	24	3,496	51,442			<0.5	1.0	2.0	48.0	0.1	0.9	97	1,239

Dataset <sup>(1)</sup>	Preliminary MBS Sites of Biodiversity Significance <sup>(5)</sup>												MBS Native Plant Communities <sup>(6)(7)</sup>		MnDNR Scientific and Natural Areas		MnDNR High Conservation Value Forest		MnDNR Scientific and Natural Area, Peatland Watershed Protection Areas		MnDNR Ecologically Important Lowland Conifer Areas	
	Type	Outstanding		High		Moderate		Below		Rank Unknown		Total		--		--		--		--		
Unit	Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)			
Buffer <sup>(2)</sup> (ft)	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500		
<b>Proposed Blue Route</b>	227	4,266	616	8,940	930	13,780	86	1,037	1,175	16,996	3,036	45,019	167	2,210	0	117	90	1,026	303	4,133	29	448
<b>Proposed Orange Route</b>	585	8,791	697	10,653	1,287	19,055	156	2,118	555	8,292	3,280	48,910	167	2,210	0	67	90	1,026	425	6,287	5	85

Dataset <sup>(1)</sup>	Minnesota Department of Health Well Head Protection Areas		MnDNR State Wildlife Management Areas		USFWS Interest Lands			Audubon Society Important Bird Areas		USFWS Grassland Bird Conservation Areas		MnDNR Gray Owl Management Area		GAP Land Cover Vegetation Class Level - Division 4									
	Type	--	--	--	--	--	--	--	--	--	--	--	Herbaceous Agricultural Vegetation	North American Boreal Forest	North American Boreal Flooded & Swamp Forest	Eastern North American Cool Temperate Forest	Eastern North American Flooded & Swamp Forest						
Unit	Area (ac)		Area (ac)		Area (ac)			Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)			
Buffer <sup>(2)</sup> (ft)	100	1,500	100	1,500	100	150	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500		
<b>Proposed Blue Route</b>			117	1,927	33	48	674	1,565	23,204	131	1,931			260	4,546	1,546	23,584	2,564	38,235	195	2,903	524	6,676
<b>Proposed Orange Route</b>			342	5,055	41	61	820	1,881	28,587	131	1,931			225	4,076	1,622	24,534	2,455	35,539	258	3,896	548	8,261

Dataset <sup>(1)</sup>	GAP Land Cover Vegetation Class Level - Division 4												Farmland									
Type	Great Plains Grassland & Shrubland		Developed & Urban		Recently Disturbed or Modified		Open Water		Southeastern North American Flooded & Swamp Forest		Eastern North America Freshwater Wet Meadow, Riparian & Marsh		Introduced & Semi Natural Vegetation		Not Farmland		Prime Farmland If Drained		Farmland Of Statewide Importance		All Areas Are Prime Farmland	
Unit	Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)		Area (ac)	
Buffer <sup>(2)</sup> (ft)	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
<b>Proposed Blue Route</b>	0	15	44	964	33	481	50	835	0	0	1	11	1	4	3,846	57,694	579	9,484	377	5,127	415	5,954
<b>Proposed Orange Route</b>	0	15	40	753	43	596	36	743	0	0	1	11	0	2	3,698	55,258	775	11,752	212	3,271	545	8,149

Dataset <sup>(1)</sup>	USDA-NRCS Soil Type				Abandoned Transmission Line		Corridor Sharing <sup>(8)</sup>													
	Type		Mineral		Histosol		--		Transmission Line only		Transmission Line and Trail		None		Field Line only		Road and Trail and PLSS		Road and Transmission Line and PLSS	
	Unit		Area (ac)		Area (ac)		Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)		100	1,500	100	1,500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
<b>Proposed Blue Route</b>		2,768	43,171	2,449	35,087	0	0	57	26	4	2	111	52	1	0	0	0	0	0	
<b>Proposed Orange Route</b>		3,113	48,283	2,116	30,147	4	2	47	22	10	5	129	60	1	1	0	0	0	0	

Dataset <sup>(1)</sup>		Corridor Sharing <sup>(8)</sup>																
Type	PLSS only		Road and Trail and PLSS and Field Line		Road and PLSS and Field Line		Past Transmission Line only		Transmission Line and PLSS		Transmission Line and Trail and PLSS		Road and PLSS		Transmission Line and PLSS and Field Line		Road and Transmission Line and PLSS and Field Line	
Unit	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Proposed Blue Route	11	5	0	0	6	3	0	0	13	6	3	1	0	0	4	2	2	1
Proposed Orange Route	12	6	0	0	6	3	4	2	4	2	3	1	0	0	1	1	1	1

Dataset <sup>(1)</sup>	Corridor Sharing <sup>(8)</sup>											
	PLSS and Field Line		Transmission Line and Field Line		Road and Transmission Line and Trail and PLSS		Road only		Trail and PLSS		Trail only	
Unit	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length	Length (mi)	Percent of Total Length
Buffer <sup>(2)</sup> (ft)	--	--	--	--	--	--	--	--	--	--	--	--
Proposed Blue Route	0	0	1	1	0	0	1	1	1	0	0	0
Proposed Orange Route	0	0	0	0	0	0	0	0	0	0	0	0

Dataset <sup>(1)</sup>	Residences						Churches		Commercial & Non-Residential Structures		Cemeteries		Private Airstrips			Historic Architectural Sites			Archaeological Sites		
	Count						Count		Count		Count		Count			Count					
Unit Buffer <sup>(2)</sup> (ft)	100	150	200	500	1,000	1,500	100	1,500	100	1,500	100	1,500	100	1,500	5,280	100	1,500	5,280	100	1,500	5,280
<b>Proposed Blue Route</b>	0	0	0	6	32	55	0	0	1	101			0	0	0	2	7	27	0	1	17
<b>Proposed Orange Route</b>	0	0	0	6	30	69	0	0	0	135			0	0	1	2	5	38	0	0	11

Dataset <sup>(1)</sup>	Communication Towers		State Aggregate Sources		MPCA Impaired Streams		National Hydrology Dataset Flowlines		National Hydrology Dataset Waterbodies		MnDNR Public Water Inventory Watercourses		MnDNR Public Water Inventory Basins		MnDNR Public Water Inventory Wetlands		MnDNR Trout Streams	
	Unit	Count		Count		Count		Count		Count		Count		Count		Count		
Buffer <sup>(2)</sup> (ft)	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
<b>Proposed Blue Route</b>	0	3	0	3	5	5	115	224	12	78	35	39	3	9	2	7	1	1
<b>Proposed Orange Route</b>	0	3	2	6	5	6	124	222	12	106	31	40	4	12	0	4	0	0

Dataset <sup>(1)</sup>	MnDNR Shallow Lakes		MnDNR Wild Rice Lakes		State Trails		County/Local Parks		State Forests		USDA-USFS National Forest		State Scenic Byways		Snowmobile Trails		Water Access Points		State Water Trails		MnDNR Scientific and Natural Areas	
	Unit		Count		Count		Count		Count		Count		Count		Count		Count		Count		Count	
Buffer <sup>(2)</sup> (ft)	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500	100	1,500
<b>Proposed Blue Route</b>	1	4	1	1	3	3	0	1	6	6			1	1	10	10			1	1	0	2
<b>Proposed Orange Route</b>	1	3	0	0	3	3	0	1	7	7			1	1	12	12			1	1	0	2

Dataset <sup>(1)</sup>	MnDNR NHIS Database Records (Endangered, Threatened, and Special Concern) <sup>(9)</sup>			MnDNR Colonial Waterbird Nesting Sites			MnDNR High Conservation Value Forest		MnDNR Scientific and Natural Area Peatland Watershed Protection Areas		MnDNR Calcareous Fens			MPCA What's in My Neighborhood Sites (Active and Inactive)	
	Unit	Count			Count			Count		Count		Count			Count
Buffer <sup>(2)</sup> (ft)	100	1,500	5,280	100	1,500	5,280	100	1,500	100	1,500	100	1,500	5,280	100	1,500
<b>Proposed Blue Route</b>	4	10	46	0	2	3	2	3	4	4	0	0	1	0	5
<b>Proposed Orange Route</b>	6	17	54	0	0	1	2	3	4	4	0	0	2	1	4

Dataset <sup>(1)</sup>	Minnesota Department of Health County Well Index		MnDNR Wildlife Management Areas		USFWS Interest Lands			MnDNR Gray Owl Management Area		
	Unit	Count		Count		Count			Count	
	Buffer <sup>(2)</sup> (ft)	100	1,500	100	1,500	100	150	1,500	100	1,500
<b>Proposed Blue Route</b>		3	39	3	4	5	7	13		
<b>Proposed Orange Route</b>		4	52	3	3	6	9	17		

<b>Datasets<sup>(1)</sup></b>	<b>State Mineral Leases</b>	<b>County Lands</b>	<b>MPCA Impaired Streams</b>	<b>National Hydrology Dataset Flowlines</b>	<b>National Hydrology Dataset Waterbodies</b>	<b>MnDNR Public Water Inventory Watercourses</b>	<b>MnDNR Public Water Inventory Basins</b>	<b>MnDNR Public Water Inventory Wetlands</b>	<b>MnDNR Trout Streams</b>	<b>MnDNR Shallow Lakes</b>	<b>MnDNR Wild Rice Lakes</b>
<b>Unit</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>
<b>Proposed Blue Route</b>	288	2	5	112	9	36	2	1	1	1	1
<b>Proposed Orange Route</b>	177	0	5	124	10	46	3	0	0	1	0

<b>Datasets<sup>(1)</sup></b>	<b>State Trails</b>	<b>State Forests</b>	<b>USDA-USFS National Forest</b>	<b>State Scenic Byways</b>	<b>Snowmobile Trails</b>	<b>State Water Trails</b>	<b>MnDNR Scientific and Natural Areas</b>	<b>MnDNR High Conservation Value Forest</b>	<b>MnDNR Scientific and Natural Area Peatland Watershed Protection Areas</b>	<b>MnDNR Ecologically Important Lowland Conifer Areas</b>
<b>Unit</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>
<b>Proposed Blue Route</b>	3	45	0	1	31	1		4	6	7
<b>Proposed Orange Route</b>	3	42	0	1	36	1		4	6	1

<b>Datasets<sup>(1)</sup></b>	<b>MnDNR Wildlife Management Areas</b>	<b>Minnesota Department of Health Wellhead Protection Areas</b>	<b>USFWS Interest Lands</b>	<b>Audubon Society Important Bird Areas</b>	<b>USFWS Grassland Bird Conservation Areas</b>
<b>Unit</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>	<b>Number of Crossings</b>
<b>Proposed Blue Route</b>	4		4	12	10
<b>Proposed Orange Route</b>	7		5	11	10