

Appendix E Route Alternatives Data Analysis Tables - Route Segments by Region

		Commerical & Non-Residential Structures					Residences (Houses)				
		0-75 ft	75-250 ft	250-500 ft	500-1,600 ft	Total	0-75 ft	75-250 ft	250-500 ft	500-1,600 ft	Total
Route Segment	Length (mi)	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count
A1 (Purple Route)	17.49	0	23	30	98	151	0	12	6	19	37
A2	17.58	0	25	54	109	188	0	13	8	20	41
A3 (Blue Route)	14.59	0	1	10	67	78	0	1	2	9	12
A4	18.14	0	7	15	93	115	0	2	3	10	15
A5	15.11	2	10	50	143	205	0	11	13	21	45
A6	14.54	0	2	18	114	134	0	4	5	28	37
A7	14.56	0	2	24	123	149	0	5	4	30	39
B1 (Purple Route)	45.41	4	14	50	377	445	0	2	11	84	97
B2	51.03	3	27	115	311	456	0	8	16	59	83
B3	46.92	5	21	100	297	423	0	8	19	41	68
B4 (Blue Route)	75.26	0	21	86	367	474	0	9	18	50	77
C1 (Purple Route)	55.98	1	26	42	468	537	0	12	16	89	117
C2	58.53	0	21	139	467	627	0	11	21	56	88
C3	57.9	2	31	102	466	601	0	7	15	65	87
C4 (Blue Route)	28.61	0	8	63	248	319	0	5	12	29	46
D1 (Purple Route)	9.06	0	9	23	59	91	0	3	3	8	14
D2	9.24	0	12	33	79	124	0	5	4	10	19
D3	10.1	0	3	38	81	122	0	4	5	12	21
D4 (Blue Route)	10.78	0	3	36	87	126	0	4	5	12	21
D5	10.86	0	1	31	83	115	0	2	4	14	20
D6	11.39	0	3	39	102	144	0	5	8	14	27
D7	12.76	0	9	22	114	145	0	3	3	15	21
E1 (Purple Route)	17.68	0	5	38	186	229	0	5	6	48	59
E2 (Blue Route)	16.55	0	20	41	152	213	0	12	9	29	50
F1 (Purple Route)	2.24	0	7	22	55	84	0	5	5	17	27
F2	2.28	1	15	14	41	71	0	7	3	14	24
F3	2.71	0	4	14	61	79	0	3	1	22	26
F4 (Blue Route)	2.7	0	0	2	24	26	0	0	2	30	32
F5	2.43	1	15	21	27	64	0	8	5	27	40
F6	2.65	0	0	6	42	48	0	1	2	32	35
F7	2.14	1	20	30	38	89	0	10	6	12	28
F8	2.69	1	12	19	32	64	0	5	5	30	40
G1 (Blue Route)	25.43	5	71	79	146	301	0	38	29	136	203
G2	24.63	5	63	113	162	343	0	48	53	155	256
G3 (Purple Route)	22.7	6	35	78	218	337	0	29	44	108	181
G4	25	3	44	108	268	423	0	26	54	110	190
G5	24.25	6	42	96	241	385	0	33	48	135	216
G6	22.74	3	38	88	210	339	0	26	49	106	181

Appendix E Route Alternatives Data Analysis Tables - Route Segments by Region

		Human Settlement - Aesthetics													
		Right-of-Way Paralleling by Type													
		Transmission Line		Road		Railroad		Pipeline		Transmission Line, Road, Railroad, or Pipeline		Field, Parcel, or Section Lines		Total Paralleling	
		Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length
		Length (mi)	Percent	Length (mi)	Percent	Length (mi)	Percent	Length (mi)	Percent	Length (mi)	Percent	Length (mi)	Percent	Length (mi)	Percent
		Length (mi)	Percent	Length (mi)	Percent	Length (mi)	Percent	Length (mi)	Percent	Length (mi)	Percent	Length (mi)	Percent	Length (mi)	Percent
Route Segment	Length (mi)														
A1 (Purple Route)	17.49	1.0	6	13.0	74	0.0	0	0.0	0	13.0	74	17.2	98	17.2	98
A2	17.58	1.0	6	15.6	89	0.0	0	0.0	0	15.6	89	17.3	98	17.3	98
A3 (Blue Route)	14.59	0.0	0	4.0	27	0.0	0	0.0	0	4.0	27	14.3	98	14.3	98
A4	18.14	1.5	8	7.0	38	0.0	0	0.0	0	7.0	38	16.8	92	16.8	92
A5	15.11	3.7	24	9.1	60	0.0	0	0.0	0	9.1	60	14.9	98	14.9	98
A6	14.54	< 0.1	< 1	8.1	55	0.0	0	0.0	0	8.1	55	14.5	100	14.5	100
A7	14.56	< 0.1	< 1	10.0	69	0.0	0	0.0	0	10.0	69	14.6	100	14.6	100
B1 (Purple Route)	45.41	6.0	13	18.3	40	0.0	0	< 0.1	< 1	24.4	54	40.7	90	43.1	95
B2	51.03	5.5	11	30.6	60	0.0	0	0.0	0	35.1	69	46.6	91	48.9	96
B3	46.92	5.5	12	26.6	57	0.0	0	0.1	< 1	32.1	69	44.3	94	46.2	99
B4 (Blue Route)	75.26	14.7	20	29.0	39	0.0	0	0.0	0	33.4	44	71.0	94	71.3	95
C1 (Purple Route)	55.98	6.1	11	23.0	41	3.4	6	0.1	< 1	26.7	48	49.6	89	50.1	90
C2	58.53	0.0	0	45.6	78	0.0	0	1.7	3	45.6	78	56.5	97	56.5	97
C3	57.9	0.0	0	16.8	29	0.0	0	1.7	3	16.9	29	52.8	91	52.8	91
C4 (Blue Route)	28.61	0.0	0	19.3	68	0.0	0	1.7	6	19.4	68	26.6	93	26.6	93
D1 (Purple Route)	9.06	0.0	0	4.9	54	0.0	0	0.0	0	4.9	54	7.8	86	7.8	86
D2	9.24	0.0	0	7.1	77	0.0	0	0.0	0	7.1	77	8.5	92	8.5	92
D3	10.1	0.0	0	5.1	51	0.0	0	0.0	0	5.1	51	9.0	89	9.0	89
D4 (Blue Route)	10.78	0.0	0	4.5	42	0.0	0	0.0	0	4.5	42	8.5	79	8.5	79
D5	10.86	0.0	0	4.3	40	0.0	0	0.0	0	4.3	40	8.8	81	8.8	81
D6	11.39	0.0	0	6.7	59	0.0	0	0.0	0	6.7	59	9.7	85	9.7	85
D7	12.76	0.0	0	4.3	34	0.0	0	0.0	0	4.3	34	10.3	81	10.3	81
E1 (Purple Route)	17.68	0.0	0	3.0	17	2.3	13	0.0	0	5.3	30	15.6	88	15.6	88
E2 (Blue Route)	16.55	0.0	0	8.7	52	0.0	0	0.0	0	8.7	52	14.2	86	14.2	86
F1 (Purple Route)	2.24	0.0	0	1.6	72	0.0	0	0.0	0	1.6	72	2.2	100	2.2	100
F2	2.28	0.0	0	1.4	61	0.0	0	0.0	0	1.4	61	2.1	94	2.1	94
F3	2.71	0.0	0	0.8	28	0.0	0	0.0	0	0.8	28	1.7	63	1.7	63
F4 (Blue Route)	2.7	0.0	0	< 0.1	< 1	0.0	0	0.4	16	0.4	16	2.7	100	2.7	100
F5	2.43	0.0	0	1.5	60	0.0	0	0.3	11	1.7	71	2.4	100	2.4	100
F6	2.65	0.0	0	0.3	10	0.0	0	0.3	11	0.5	21	1.7	63	1.7	63
F7	2.14	0.0	0	2.1	99	0.0	0	0.0	0	2.1	99	2.1	100	2.1	100
F8	2.69	0.0	0	1.3	48	0.0	0	0.3	10	1.6	58	2.3	85	2.3	85
G1 (Blue Route)	25.43	2.5	10	13.9	55	0.0	0	0.0	0	15.0	59	22.9	90	23.5	92
G2	24.63	2.5	10	14.1	57	0.0	0	0.0	0	15.2	62	21.2	86	22.3	91
G3 (Purple Route)	22.7	3.4	15	12.6	55	0.0	0	0.0	0	13.4	59	19.3	85	19.6	86
G4	25	3.4	14	15.1	60	0.0	0	0.0	0	16.0	64	23.0	92	23.3	93
G5	24.25	3.4	14	16.1	66	0.0	0	0.0	0	17.0	70	20.9	86	21.6	89
G6	22.74	3.4	15	13.3	59	0.0	0	0.0	0	14.2	63	20.5	90	20.8	92

Appendix E Route Alternatives Data Analysis Tables - Route Segments by Region

		Human Settlement - Recreation											
		MN Department of Natural Resources State Water Trails			Scenic Byways			Snowmobile Trails			Wild and Scenic Rivers		
		Crossing	Within ROW	Within Route Width	Crossing	Within ROW	Within Route Width	Crossing	Within ROW	Within Route Width	Crossing	Within ROW	Within Route Width
Route Segment	Length (mi)	Count	Length (ft)	Length (ft)	Count	Length (ft)	Length (ft)	Count	Length (mi)	Length (mi)	Count	Length (ft)	Length (ft)
A1 (Purple Route)	17.49	0	0	0	0	0	0	2.0	2.6	5.8	0	0	0
A2	17.58	0	0	0	0	0	0	12.0	5.1	10.7	0	0	0
A3 (Blue Route)	14.59	0	0	0	0	0	0	0	0	0	0	0	0
A4	18.14	0	0	0	0	0	0	0	0	0	0	0	0
A5	15.11	0	0	0	0	0	0	12.0	5.1	10.4	0	0	0
A6	14.54	0	0	0	0	0	0	0	0	0	0	0	0
A7	14.56	0	0	0	0	0	0	0	0	0	0	0	0
B1 (Purple Route)	45.41	2	374	2,535	1	150	1,005	5.0	1.2	4.0	1	164	1,137
B2	51.03	2	326	2,254	1	150	1,005	3.0	0.1	0.6	1	164	1,137
B3	46.92	2	374	2,535	1	150	1,005	7.0	1.2	4.2	1	164	1,137
B4 (Blue Route)	75.26	3	551	3,790	1	179	1,191	29.0	11.6	20.5	1	225	1,524
C1 (Purple Route)	55.98	0	0	0	0	0	0	19.0	2.5	11.5	0	0	0
C2	58.53	0	0	0	0	0	0	7.0	0.5	2.9	0	0	0
C3	57.9	0	0	0	0	0	0	7.0	0.8	3.8	0	0	0
C4 (Blue Route)	28.61	0	0	0	0	0	0	3.0	0.1	0.6	0	0	0
D1 (Purple Route)	9.06	1	152	1,608	0	0	0	5.0	0.7	1.2	1	153	1,479
D2	9.24	1	152	1,608	0	0	0	5.0	0.7	1.2	1	153	1,479
D3	10.1	1	151	2,222	0	0	0	5.0	1.3	2.3	1	155	2,177
D4 (Blue Route)	10.78	1	151	2,222	0	0	0	6.0	1.6	2.9	1	155	2,177
D5	10.86	1	151	2,222	0	0	0	6.0	1.6	2.9	1	155	2,177
D6	11.39	1	151	2,222	0	0	0	6.0	1.6	2.9	1	155	2,177
D7	12.76	1	152	1,608	0	0	0	6.0	1.0	1.8	1	153	1,479
E1 (Purple Route)	17.68	0	0	0	0	0	0	7.0	0.7	2.4	0	0	0
E2 (Blue Route)	16.55	0	0	0	0	0	0	6.0	2.5	4.1	0	0	0
F1 (Purple Route)	2.24	0	0	0	0	0	0	1.0	< 0.1	0.2	0	0	0
F2	2.28	0	0	0	0	0	0	1.0	< 0.1	0.2	0	0	0
F3	2.71	0	0	0	0	0	0	1.0	< 0.1	0.2	0	0	0
F4 (Blue Route)	2.7	0	0	0	0	0	0	1.0	< 0.1	0.2	0	0	0
F5	2.43	0	0	0	0	0	0	1.0	< 0.1	0.2	0	0	0
F6	2.65	0	0	0	0	0	0	1.0	< 0.1	0.2	0	0	0
F7	2.14	0	0	0	0	0	0	1.0	< 0.1	0.2	0	0	0
F8	2.69	0	0	0	0	0	0	1.0	< 0.1	0.2	0	0	0
G1 (Blue Route)	25.43	1	274	3,478	1	169	1,141	2.0	0.1	0.5	1	310	3,738
G2	24.63	1	274	3,478	1	169	1,141	2.0	0.1	0.5	1	310	3,738
G3 (Purple Route)	22.7	1	151	1,008	3	5,726	12,344	5.0	0.6	2.6	1	151	1,006
G4	25	1	151	1,008	3	5,726	12,344	5.0	0.6	2.6	1	151	1,006
G5	24.25	1	151	1,008	3	5,726	12,344	5.0	0.6	2.6	1	151	1,006
G6	22.74	1	151	1,008	3	5,726	12,344	5.0	0.6	2.6	1	151	1,006

Appendix E Route Alternatives Data Analysis Tables - Route Segments by Region

		Land-based Economies - Agriculture										
		Airports / Heliports	United States Department of Agriculture Natural Resource Conservation Service Prime Farmland by Type									
			Private	All areas are prime farmland	Farmland of statewide importance	Prime farmland if drained	Prime farmland if protected from flooding or not frequently flooded during the growing season	Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season	Total Prime Farmland			
Within 1 mi Count	Within Route Width Area (ac)	Within Route Width Area (ac)	Within Route Width Area (ac)	Within Route Width Area (ac)	Within Route Width Area (ac)	Within Route Width Area (ac)	Within Route Width Area (ac)	Crossing (> 1,000 ft span) Count	Crossing Length (ft)	Within ROW Area (ac)		
Route Segment	Length (mi)											
A1 (Purple Route)	17.49	0	1,064	173	502	189	0	1,755	0	0	0	
A2	17.58	0	1,114	190	484	189	0	1,787	0	0	0	
A3 (Blue Route)	14.59	0	1,009	86	538	43	0	1,590	0	0	0	
A4	18.14	0	1,119	70	851	80	0	2,049	0	0	0	
A5	15.11	0	1,065	143	408	51	0	1,523	0	0	0	
A6	14.54	0	974	105	522	54	0	1,550	0	0	0	
A7	14.56	0	1,009	97	522	51	0	1,583	0	0	0	
B1 (Purple Route)	45.41	0	2,488	276	2,388	69	0	4,945	0	0	0	
B2	51.03	1	2,650	308	2,862	95	6	5,613	0	0	0	
B3	46.92	1	2,501	275	2,566	73	0	5,140	0	0	0	
B4 (Blue Route)	75.26	1	3,185	952	6,060	164	28	9,437	0	0	0	
C1 (Purple Route)	55.98	0	2,975	546	3,079	0	0	6,055	0	728	1	
C2	58.53	1	2,096	556	4,297	19	0	6,412	0	1,147	2	
C3	57.9	1	2,865	395	3,637	0	0	6,502	0	1,147	2	
C4 (Blue Route)	28.61	1	819	320	2,201	7	0	3,028	0	1,147	2	
D1 (Purple Route)	9.06	0	392	116	435	0	0	828	0	0	0	
D2	9.24	0	432	116	416	0	0	848	0	0	0	
D3	10.1	0	422	82	551	< 1	0	973	0	0	0	
D4 (Blue Route)	10.78	0	410	116	674	< 1	0	1,085	1	1,613	6	
D5	10.86	0	403	100	665	< 1	0	1,068	1	1,613	6	
D6	11.39	0	498	127	616	< 1	0	1,114	1	1,613	6	
D7	12.76	0	516	174	743	0	0	1,259	1	1,613	6	
E1 (Purple Route)	17.68	0	783	414	548	0	0	1,332	0	0	0	
E2 (Blue Route)	16.55	1	658	442	480	0	0	1,138	0	0	< 1	
F1 (Purple Route)	2.24	0	94	107	0	0	0	94	0	0	1	
F2	2.28	0	95	120	1	0	0	96	0	0	< 1	
F3	2.71	0	117	152	0	0	0	117	0	0	1	
F4 (Blue Route)	2.7	0	89	189	5	0	0	93	2	3,772	14	
F5	2.43	0	102	168	0	0	0	102	1	1,697	7	
F6	2.65	0	109	157	0	0	0	109	1	1,697	7	
F7	2.14	0	91	135	0	0	0	91	0	0	< 1	
F8	2.69	0	106	179	0	0	0	106	1	1,697	7	
G1 (Blue Route)	25.43	0	452	938	62	0	0	514	3	12,587	43	
G2	24.63	0	457	804	63	0	0	520	3	11,593	36	
G3 (Purple Route)	22.7	0	298	1,198	32	22	0	352	3	11,623	43	
G4	25	0	445	1,261	63	22	0	529	4	13,912	48	
G5	24.25	0	311	1,259	49	22	0	382	4	13,205	47	
G6	22.74	0	274	1,245	29	22	0	325	3	10,921	39	

Appendix E Route Alternatives Data Analysis Tables - Route Segments by Region

		Archaeological and Historic Resources						Natural Environment - Public and Designated Lands				
		Cultural Resources - Archaeological Sites		Cultural Resources - Historical Sites		Cultural Resources - Historical Cemeteries		MN Department of Natural Resources Conservation Easements by Type				
								Federal CREP Easements	State RIM Easements	MN Department of Natural Resources Native Prairie Bank Easements	Wild and Scenic River	Water Bank
		Within Route Width	Within 1 mi	Within Route Width	Within 1 mi	Within Route Width	Within 1 mi					
		Count	Count	Count	Count	Count	Count	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)
Route Segment	Length (mi)											
A1 (Purple Route)	17.49	2	8	5	11	0	0	11	0	0	0	0
A2	17.58	3	10	8	12	0	0	6	0	0	0	0
A3 (Blue Route)	14.59	1	17	1	17	0	3	5	0	0	0	0
A4	18.14	1	15	1	12	0	2	0	13	0	0	0
A5	15.11	2	21	4	17	1	4	11	0	26	0	0
A6	14.54	1	16	3	16	0	4	5	0	0	0	0
A7	14.56	3	17	3	17	0	4	5	0	0	0	0
B1 (Purple Route)	45.41	3	22	16	124	2	11	101	15	0	0	0
B2	51.03	5	22	18	133	2	12	96	10	0	0	0
B3	46.92	2	23	16	95	5	14	101	15	0	0	0
B4 (Blue Route)	75.26	3	27	16	58	5	17	371	32	122	0	4
C1 (Purple Route)	55.98	1	12	9	47	4	11	32	10	0	0	0
C2	58.53	1	5	7	33	3	9	91	0	0	0	0
C3	57.9	0	6	8	64	1	12	15	13	0	0	0
C4 (Blue Route)	28.61	0	2	4	23	1	6	0	0	0	0	0
D1 (Purple Route)	9.06	0	0	3	9	0	0	0	0	0	0	0
D2	9.24	0	0	3	8	0	0	0	0	0	0	0
D3	10.1	0	0	4	10	0	0	0	0	0	0	0
D4 (Blue Route)	10.78	0	0	3	8	0	0	0	0	0	0	0
D5	10.86	0	0	3	8	0	0	0	0	0	0	0
D6	11.39	0	0	3	8	0	0	0	0	0	0	0
D7	12.76	0	0	3	9	0	0	0	0	0	0	0
E1 (Purple Route)	17.68	0	1	4	25	1	6	0	0	0	0	0
E2 (Blue Route)	16.55	0	3	4	17	0	5	0	0	0	0	0
F1 (Purple Route)	2.24	0	1	1	1	0	1	0	0	0	0	0
F2	2.28	0	1	1	1	0	1	0	0	0	0	0
F3	2.71	0	1	1	1	0	1	0	0	0	0	0
F4 (Blue Route)	2.7	0	1	1	6	0	1	0	0	0	0	0
F5	2.43	0	1	1	6	0	1	0	0	0	0	0
F6	2.65	0	1	1	6	0	1	0	0	0	0	0
F7	2.14	0	1	1	1	0	1	0	0	0	0	0
F8	2.69	0	1	1	6	0	1	0	0	0	0	0
G1 (Blue Route)	25.43	4	16	5	35	1	4	0	0	0	30	0
G2	24.63	6	17	6	36	2	4	0	0	0	30	0
G3 (Purple Route)	22.7	0	8	12	33	1	3	0	0	0	0	0
G4	25	0	8	12	33	1	2	0	0	0	0	0
G5	24.25	0	10	12	36	2	3	0	0	0	0	0
G6	22.74	0	8	12	33	1	3	0	0	0	0	0

Appendix E Route Alternatives Data Analysis Tables - Route Segments by Region

		Natural Environment - Vegetation													
		National Landcover Dataset													
		Agricultural (cultivated crops; hay and pasture)		Forest (upland and wetland)		Herbaceous (upland and wetland)		Open Water		Developed (low-med-high intensity; open space)		Cultivated Crops		Hay and Pasture	
		Within ROW	Within Route Width	Within ROW	Within Route Width	Within ROW	Within Route Width	Within ROW	Within Route Width	Within ROW	Within Route Width	Within ROW	Within Route Width	Within ROW	Within Route Width
		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)
Route Segment	Length (mi)														
A1 (Purple Route)	17.49	197	1,816	0	7	12	94	0	0	110	210	184	1,695	13	121
A2	17.58	193	1,787	0	7	14	94	0	0	113	247	186	1,720	7	67
A3 (Blue Route)	14.59	219	1,648	5	33	2	23	0	0	39	77	211	1,590	8	59
A4	18.14	259	2,012	5	29	6	45	0	0	60	123	252	1,962	7	50
A5	15.11	218	1,552	1	27	12	99	< 1	3	43	163	204	1,473	14	80
A6	14.54	185	1,542	3	36	4	49	0	0	73	147	180	1,495	4	48
A7	14.56	177	1,525	3	36	2	44	0	0	83	167	172	1,467	5	58
B1 (Purple Route)	45.41	665	4,687	2	15	30	250	1	7	127	541	646	4,547	19	140
B2	51.03	695	5,405	1	15	24	208	4	33	203	509	678	5,266	18	139
B3	46.92	615	4,941	2	15	27	222	1	7	208	497	598	4,816	17	125
B4 (Blue Route)	75.26	1,082	9,618	7	88	50	545	3	26	225	577	1,068	9,468	13	150
C1 (Purple Route)	55.98	827	6,101	< 1	35	8	96	< 1	3	183	565	814	6,000	13	101
C2	58.53	740	6,164	1	46	19	149	0	6	304	741	735	6,130	5	34
C3	57.9	913	6,529	1	50	5	58	0	6	133	383	909	6,493	4	35
C4 (Blue Route)	28.61	354	3,082	1	33	5	35	0	6	161	326	349	3,052	5	30
D1 (Purple Route)	9.06	129	987	1	26	3	24	2	9	30	63	127	976	2	11
D2	9.24	128	970	1	34	2	30	0	< 1	38	94	125	958	3	12
D3	10.1	148	1,106	< 1	17	4	32	2	9	29	71	147	1,095	1	11
D4 (Blue Route)	10.78	152	1,187	< 1	14	5	37	0	0	39	85	152	1,186	0	1
D5	10.86	152	1,180	1	18	5	49	0	1	40	83	152	1,175	0	5
D6	11.39	151	1,225	< 1	19	5	38	0	0	51	113	151	1,224	0	1
D7	12.76	186	1,415	1	26	3	34	0	< 1	42	83	186	1,414	< 1	1
E1 (Purple Route)	17.68	275	1,922	3	30	13	95	0	5	31	97	270	1,871	5	51
E2 (Blue Route)	16.55	211	1,706	3	50	8	94	0	6	79	159	199	1,578	12	128
F1 (Purple Route)	2.24	20	180	1	7	< 1	11	3	31	17	50	17	147	3	32
F2	2.28	27	225	1	7	1	10	2	13	12	30	26	218	< 1	7
F3	2.71	39	281	< 1	2	< 1	7	0	11	8	26	39	273	< 1	7
F4 (Blue Route)	2.7	46	315	< 1	3	1	9	1	9	1	5	43	292	3	23
F5	2.43	27	262	1	3	< 1	4	0	1	17	41	27	252	< 1	10
F6	2.65	44	300	< 1	2	0	4	0	3	2	15	44	294	< 1	6
F7	2.14	17	201	1	3	< 1	8	0	8	21	51	17	191	< 1	11
F8	2.69	35	291	1	3	0	4	0	1	14	38	35	282	< 1	10
G1 (Blue Route)	25.43	281	2,326	29	273	14	116	4	43	135	331	267	2,189	13	137
G2	24.63	261	2,151	29	266	14	142	4	52	140	381	244	1,935	18	216
G3 (Purple Route)	22.7	256	1,946	44	342	19	169	2	28	90	270	217	1,621	39	325
G4	25	297	2,188	30	319	24	191	2	27	101	298	258	1,862	38	325
G5	24.25	263	2,032	41	347	23	210	2	28	111	319	214	1,650	50	382
G6	22.74	257	1,984	36	306	19	164	2	28	98	279	213	1,610	45	374

Appendix E Route Alternatives Data Analysis Tables - Route Segments by Region

		Natural Environment - Surface Water											
		National Hydrography Dataset Waterbodies			Public Water Inventory Basins			National Hydrography Dataset Watercourse Types			Impaired Streams	National Hydrography Dataset Watercourses	Public Water Inventory Streams
								Perennial Stream/River	Intermittant Stream/River	Other Watercourse Type			
		Crossing Count	Within ROW Area (ac)	Within Route Width Area (ac)	Crossing Count	Within ROW Area (ac)	Within Route Width Area (ac)	Crossing Count	Crossing Count	Crossing Count	Crossing Count	Crossing Count	Crossing Count
Route Segment	Length (mi)												
A1 (Purple Route)	17.49	0	< 1	< 1	0	0	0	2	18	0	4	20	3
A2	17.58	0	0	0	0	0	0	2	15	0	4	17	4
A3 (Blue Route)	14.59	0	< 1	2	0	0	0	2	13	0	3	15	3
A4	18.14	1	< 1	4	0	< 1	5	3	17	0	3	20	3
A5	15.11	0	< 1	< 1	0	0	0	2	15	0	3	17	3
A6	14.54	0	< 1	1	0	0	0	2	14	0	3	16	3
A7	14.56	0	< 1	1	0	0	0	2	10	0	3	12	3
B1 (Purple Route)	45.41	2	1	9	0	0	0	4	7	22	10	33	16
B2	51.03	3	4	33	1	3	27	3	14	19	11	36	17
B3	46.92	1	1	6	0	0	0	4	5	21	10	30	16
B4 (Blue Route)	75.26	2	2	11	1	4	25	8	11	23	12	42	19
C1 (Purple Route)	55.98	0	0	2	0	0	0	2	4	34	5	40	11
C2	58.53	0	< 1	4	0	0	0	0	8	28	5	36	8
C3	57.9	0	< 1	4	0	0	0	2	10	39	6	51	9
C4 (Blue Route)	28.61	0	< 1	4	0	0	0	0	8	14	4	22	6
D1 (Purple Route)	9.06	1	3	13	0	0	0	0	3	4	2	7	2
D2	9.24	0	< 1	2	0	0	0	0	6	3	2	9	6
D3	10.1	1	3	13	0	0	0	0	5	4	2	9	2
D4 (Blue Route)	10.78	0	0	< 1	0	0	3	3	4	4	2	11	2
D5	10.86	0	0	1	0	0	3	3	4	7	2	14	2
D6	11.39	0	0	< 1	0	0	3	3	3	4	2	10	2
D7	12.76	0	0	< 1	0	0	3	3	2	4	2	9	2
E1 (Purple Route)	17.68	2	3	22	0	0	0	0	7	5	0	12	1
E2 (Blue Route)	16.55	2	2	9	0	0	2	0	2	2	1	4	1
F1 (Purple Route)	2.24	2	5	40	0	0	0	0	0	0	0	0	0
F2	2.28	2	4	15	0	0	0	0	0	0	0	0	0
F3	2.71	0	< 1	11	0	0	0	0	0	0	0	0	0
F4 (Blue Route)	2.7	2	3	14	1	1	5	0	0	0	0	0	0
F5	2.43	0	< 1	1	0	0	0	0	0	0	0	0	0
F6	2.65	0	< 1	6	0	0	0	0	0	0	0	0	0
F7	2.14	0	< 1	6	0	0	0	0	0	0	0	0	0
F8	2.69	0	< 1	1	0	0	0	0	0	0	0	0	0
G1 (Blue Route)	25.43	1	1	10	0	0	0	2	2	2	3	6	4
G2	24.63	1	1	26	0	0	10	2	2	2	3	6	4
G3 (Purple Route)	22.7	1	1	30	0	< 1	11	6	2	3	6	11	8
G4	25	1	1	27	0	< 1	11	3	2	3	2	8	4
G5	24.25	1	1	30	0	< 1	11	6	3	4	6	13	10
G6	22.74	1	1	30	0	< 1	11	6	2	3	6	11	8

Appendix E Route Alternatives Data Analysis Tables - Route Segments by Region

		Natural Environment - Wetlands						
		National Wetland Inventory Wetlands						
		All Crossing (> 1,000 ft span) Count	Forested		Non Forested		Total	
			Within ROW	Within Route Width	Within ROW	Within Route Width	Within ROW	Within Route Width
			Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)	Area (ac)
Route Segment	Length (mi)							
A1 (Purple Route)	17.49	0	1	17	7	68	8	85
A2	17.58	0	1	18	6	53	7	71
A3 (Blue Route)	14.59	0	2	11	6	43	7	55
A4	18.14	1	1	7	11	97	11	104
A5	15.11	0	1	13	8	52	9	65
A6	14.54	0	2	18	6	52	8	70
A7	14.56	0	2	16	5	45	7	61
B1 (Purple Route)	45.41	1	1	16	25	210	26	226
B2	51.03	0	3	25	21	189	24	214
B3	46.92	1	3	18	26	193	28	211
B4 (Blue Route)	75.26	4	4	46	49	453	53	499
C1 (Purple Route)	55.98	0	2	14	20	187	22	201
C2	58.53	2	4	20	34	215	38	234
C3	57.9	0	4	17	17	112	21	130
C4 (Blue Route)	28.61	0	2	9	17	112	20	121
D1 (Purple Route)	9.06	0	2	13	11	73	13	87
D2	9.24	0	2	14	8	70	10	83
D3	10.1	0	2	20	12	83	14	103
D4 (Blue Route)	10.78	0	2	12	7	57	9	69
D5	10.86	0	2	16	8	78	10	94
D6	11.39	0	2	12	7	66	9	78
D7	12.76	0	1	13	7	57	8	70
E1 (Purple Route)	17.68	0	1	10	27	190	28	201
E2 (Blue Route)	16.55	1	4	33	29	224	33	257
F1 (Purple Route)	2.24	0	0	0	4	42	4	42
F2	2.28	0	1	6	4	27	6	32
F3	2.71	0	0	0	1	20	1	20
F4 (Blue Route)	2.7	0	0	0	4	29	4	29
F5	2.43	0	0	0	< 1	13	< 1	13
F6	2.65	0	0	0	1	19	1	19
F7	2.14	0	0	0	< 1	15	< 1	15
F8	2.69	0	0	0	< 1	13	< 1	13
G1 (Blue Route)	25.43	1	3	23	23	177	27	201
G2	24.63	1	3	24	20	189	23	213
G3 (Purple Route)	22.7	2	11	80	24	203	34	283
G4	25	2	7	72	28	260	35	332
G5	24.25	2	5	48	33	260	38	308
G6	22.74	1	2	29	23	201	25	230

Appendix E Route Alternatives Data Analysis Tables - Route Segments by Region

Route Segment		Natural Environment - Rare and Unique Resources																	
		Minnesota Biological Survey Lakes of Biodiversity Significance (Moderate or High)	Minnesota Biological Survey Native Plant Communities (Status S1 or S2)		Minnesota Biological Survey Sites of Biodiversity Significance by Type (Moderate, High, Total)										State Threatened and Endangered Species			Minnesota Biological Survey Railroad ROW Prairies	
					Below		Moderate		High		Outstanding		Total						
Within ROW	Within ROW	Within Route Width	Within ROW	Within Route Width	Within ROW	Within Route Width	Within ROW	Within Route Width	Within ROW	Within Route Width	Within ROW	Within Route Width	Within ROW	Within Route Width	Within 1 mi	Within ROW	Within Route Width		
Count	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)	Count	Count	Count	Length (ft)	Length (ft)	
Route Segment	Length (mi)																		
A1 (Purple Route)	17.49	0	6	31	2	30	8	64	0	0	0	0	10	94	0	0	1	0	0
A2	17.58	0	1	14	1	15	5	41	0	0	0	0	6	56	0	0	1	0	0
A3 (Blue Route)	14.59	0	7	22	6	40	7	36	0	0	0	0	13	76	1	1	2	0	0
A4	18.14	0	6	16	5	23	6	30	0	0	0	0	10	53	1	1	2	0	0
A5	15.11	0	4	32	6	40	4	22	1	12	1	27	11	101	0	0	1	0	0
A6	14.54	0	3	16	8	48	3	25	0	0	0	0	11	73	1	1	2	0	0
A7	14.56	0	2	10	6	40	2	20	0	0	0	0	8	60	1	1	2	0	0
B1 (Purple Route)	45.41	0	2	65	8	80	20	189	0	0	0	0	28	269	4	7	9	224	15,005
B2	51.03	2	2	10	1	6	20	134	0	0	0	0	20	140	3	6	8	0	0
B3	46.92	0	2	10	8	80	20	134	0	0	0	0	28	214	4	7	9	224	3,159
B4 (Blue Route)	75.26	0	2	23	29	342	42	371	0	0	0	0	71	713	0	0	3	154	1,025
C1 (Purple Route)	55.98	0	< 1	42	18	120	< 1	42	0	0	0	0	18	162	0	0	0	494	40,986
C2	58.53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C3	57.9	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
C4 (Blue Route)	28.61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D1 (Purple Route)	9.06	0	0	6	0	0	0	6	0	0	0	0	0	6	0	0	0	0	0
D2	9.24	0	0	6	0	0	0	6	0	0	0	0	0	6	0	0	0	0	0
D3	10.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D4 (Blue Route)	10.78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D5	10.86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D6	11.39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D7	12.76	0	0	6	0	0	0	6	0	0	0	0	0	6	0	0	0	0	0
E1 (Purple Route)	17.68	0	0	0	2	19	0	0	0	0	0	0	2	19	0	0	1	0	0
E2 (Blue Route)	16.55	0	0	0	4	21	0	0	0	0	0	0	4	21	1	1	2	0	0
F1 (Purple Route)	2.24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
F2	2.28	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
F3	2.71	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
F4 (Blue Route)	2.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
F5	2.43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
F6	2.65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
F7	2.14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
F8	2.69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
G1 (Blue Route)	25.43	0	0	0	3	32	0	5	0	0	0	0	3	37	0	1	3	0	0
G2	24.63	0	0	0	3	32	0	5	0	0	0	0	3	37	0	1	3	0	0
G3 (Purple Route)	22.7	0	0	0	3	13	0	0	0	0	0	0	3	13	1	1	2	0	0
G4	25	0	0	0	3	13	< 1	37	0	0	0	0	3	50	1	1	2	0	0
G5	24.25	0	0	0	3	13	0	0	0	0	0	0	3	13	1	1	2	0	0
G6	22.74	0	0	0	3	13	0	0	0	0	0	0	3	13	1	1	2	0	0

Appendix E Route Alternatives Data Analysis Tables - Route Segments by Region

		Natural Environment - Wildlife and Wildlife Habitat														
		Audubon Important Bird Areas		MN Department of Natural Resources Shallow Wildlife Lakes	MN Department of Natural Resources Wildlife Management Areas		Minnesota Department of Natural Resources Game Refuge		United States Fish and Wildlife Service Grassland Bird Conservation Area		United States Fish and Wildlife Service Waterfowl Production Areas		Wildlife Action Network			
													High or Medium-High Rank	Medium Rank	Low or Medium-Low Rank	Total
Within ROW	Within Route Width	Within Route Width	Within ROW	Within Route Width	Within ROW	Within Route Width	Within ROW	Within Route Width	Within ROW	Within Route Width	Within Route Width	Within Route Width	Within Route Width	Within Route Width		
Area (ac)	Area (ac)	Count	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)	
Route Segment	Length (mi)															
A1 (Purple Route)	17.49	0	0	0	0	1	0	0	80	540	0	0	39	4	1,529	1,572
A2	17.58	0	0	0	0	1	0	0	42	282	0	0	39	4	1,288	1,332
A3 (Blue Route)	14.59	0	0	0	0	0	0	0	0	0	0	0	37	225	830	1,092
A4	18.14	0	0	1	0	25	0	0	66	439	0	0	35	224	777	1,037
A5	15.11	0	0	0	0	0	0	0	59	404	0	0	35	155	822	1,011
A6	14.54	0	0	0	0	0	0	0	0	0	0	0	54	229	684	967
A7	14.56	0	0	0	0	0	0	0	0	0	0	0	55	231	715	1,001
B1 (Purple Route)	45.41	76	523	0	0	43	0	0	112	753	0	7	30	217	75	322
B2	51.03	76	523	4	0	3	0	0	72	484	0	7	30	320	267	617
B3	46.92	76	526	0	0	43	0	0	103	686	0	7	30	218	81	328
B4 (Blue Route)	75.26	64	432	1	0	19	0	0	192	2,692	0	0	74	160	79	313
C1 (Purple Route)	55.98	0	0	0	0	21	0	0	159	1,058	2	42	0	0	0	0
C2	58.53	0	0	1	0	0	0	0	62	416	0	72	0	0	0	0
C3	57.9	0	0	1	0	20	0	0	0	0	0	72	0	0	0	0
C4 (Blue Route)	28.61	0	0	1	0	0	0	0	0	0	0	72	0	0	0	0
D1 (Purple Route)	9.06	0	0	0	0	0	0	0	0	< 1	0	0	0	0	0	0
D2	9.24	0	0	0	0	0	0	0	0	< 1	0	0	0	0	0	0
D3	10.1	0	0	0	0	0	0	0	16	117	0	0	0	0	0	0
D4 (Blue Route)	10.78	0	0	1	0	0	0	0	16	117	0	0	0	0	0	0
D5	10.86	0	0	1	0	0	0	0	16	117	0	0	0	0	0	0
D6	11.39	0	0	1	0	0	0	0	16	157	0	0	0	0	0	0
D7	12.76	0	0	1	0	0	0	0	0	< 1	0	0	0	0	0	0
E1 (Purple Route)	17.68	0	0	1	0	2	0	0	129	892	0	0	0	0	0	0
E2 (Blue Route)	16.55	0	0	2	0	2	0	0	216	1,481	1	81	0	148	2	150
F1 (Purple Route)	2.24	0	0	0	0	0	< 1	4	41	287	0	0	0	0	0	0
F2	2.28	0	0	0	0	0	4	35	42	291	0	0	0	0	0	0
F3	2.71	0	0	0	0	0	3	28	50	340	0	0	0	0	0	0
F4 (Blue Route)	2.7	0	0	1	0	0	7	62	35	242	0	0	0	0	0	0
F5	2.43	0	0	0	0	0	< 1	4	30	209	0	0	0	0	0	0
F6	2.65	0	0	0	0	0	3	28	34	232	0	0	0	0	0	0
F7	2.14	0	0	0	0	0	< 1	4	39	274	0	0	0	0	0	0
F8	2.69	0	0	0	0	0	< 1	4	35	234	0	0	0	0	0	0
G1 (Blue Route)	25.43	0	0	0	0	0	35	238	268	1,807	0	0	0	0	0	0
G2	24.63	0	0	0	0	0	30	194	267	1,784	1	51	0	0	0	0
G3 (Purple Route)	22.7	0	0	0	0	0	19	155	290	1,964	0	0	36	158	158	352
G4	25	0	0	0	0	0	5	44	246	1,662	0	0	36	158	158	352
G5	24.25	0	0	0	0	0	28	190	318	2,145	0	0	36	158	158	352
G6	22.74	0	0	0	0	0	21	161	291	1,958	0	0	36	158	158	352

Appendix E Route Alternatives Data Analysis Tables - Route Segments by Region

		Natural Environment - Soil				
		Hydric Soils	Compaction Prone	Rutting Hazard	Erosion Hazard (Off-Road, Off-Trail)	Revegetation Concerns
		Hydric soils (100%) and predominantly hydric soils (67-99%)	Compaction prone soil rating of medium or higher	Rutting hazard rating of moderate or severe	Erosion hazard rating of medium, severe, or very severe	Non-irrigated land capability classification of 3 or greater
		Within ROW Area (ac)	Within ROW Area (ac)	Within ROW Area (ac)	Within ROW Area (ac)	Within ROW Area (ac)
Route Segment	Length (mi)					
A1 (Purple Route)	17.49	78	96	318	39	0
A2	17.58	76	89	320	35	0
A3 (Blue Route)	14.59	81	57	265	9	0
A4	18.14	81	74	330	11	0
A5	15.11	63	91	274	30	0
A6	14.54	81	67	264	12	0
A7	14.56	79	56	264	10	0
B1 (Purple Route)	45.41	98	426	821	71	25
B2	51.03	144	458	920	141	25
B3	46.92	110	411	847	68	25
B4 (Blue Route)	75.26	360	510	1,359	233	0
C1 (Purple Route)	55.98	209	435	1,018	64	51
C2	58.53	350	286	1,064	36	12
C3	57.9	214	323	1,053	29	29
C4 (Blue Route)	28.61	164	99	521	26	0
D1 (Purple Route)	9.06	47	72	165	6	0
D2	9.24	48	72	168	6	0
D3	10.1	55	70	184	6	0
D4 (Blue Route)	10.78	69	65	196	10	0
D5	10.86	67	75	198	5	0
D6	11.39	66	65	207	11	0
D7	12.76	69	99	232	15	0
E1 (Purple Route)	17.68	64	225	320	30	0
E2 (Blue Route)	16.55	56	193	301	21	0
F1 (Purple Route)	2.24	0	32	35	2	0
F2	2.28	2	35	40	1	0
F3	2.71	0	43	49	2	0
F4 (Blue Route)	2.7	0	43	47	1	0
F5	2.43	0	43	44	1	0
F6	2.65	0	42	48	2	0
F7	2.14	0	37	39	1	0
F8	2.69	0	46	49	2	0
G1 (Blue Route)	25.43	9	220	460	6	0
G2	24.63	7	208	445	8	0
G3 (Purple Route)	22.7	9	257	410	29	130
G4	25	10	304	451	32	130
G5	24.25	10	271	438	32	130
G6	22.74	9	273	411	38	130

Appendix E Route Alternatives Data Analysis Tables - Route Connectors

		ROW Sharing / Paralleling			Human Settlement: Residences			
		Transmission line	Total ROW sharing (transmission line, road, and railroad)	Total length following no infrastructure or division lines	Residences within 0 - 75 ft	Residences within 75 - 250 ft	Residences within 250 - 500 ft	Residences within 500 - 1,600 ft
Route Connector	Length (miles)	Length (miles, percent)	Length (miles, percent)	Length (miles, percent)	Count	Count	Count	Count
Route Connector 101	8.1	1.5 (19)	3.0 (37)	1.1 (14)	0	1	1	5
Route Connector 102	33.5	1.0 (3)	27.1 (81)	0.5 (1)	0	7	12	44
Route Connector 103	29.9	0 (0)	26.2 (88)	0 (0)	0	6	9	27
Route Connector 104	28.7	0 (0)	0 (0)	2.2 (8)	0	2	3	31
Route Connector 105	1.0	0 (0)	1.0 (100)	0 (0)	0	0	0	1
Route Connector 106	1.5	0 (0)	< 0.1 (1)	0 (0)	0	0	0	6
Route Connector 107	1.0	0 (0)	0.5 (49)	0 (0)	0	0	0	2
Route Connector 108	0.5	0 (0)	< 0.1 (1)	0 (0)	0	0	0	4
Route Connector 109	1.6	0 (0)	< 0.1 (2)	1.0 (63)	0	1	0	16
Route Connector 110	1.0	0 (0)	0.6 (63)	0.1 (14)	0	5	2	8
Route Connector 111	2.5	0 (0)	0.5 (22)	0 (0)	0	0	4	12
Route Connector 115	6.1	0 (0)	3.4 (55)	0.3 (4)	0	1	8	20

Appendix E Route Alternatives Data Analysis Tables - Route Connectors

		Land-Based Economies (Agriculture)				Conservation Easements	
		Agricultural Land	Prime Farmland	Center pivot irrigation systems	Center pivot irrigation systems	RIM	CREP
Route Connector	Length (miles)	Area within ROW (ac)	Area within ROW (ac)	Crossing count	Area within ROW (ac)	Area within route width (ac)	Area within route width (ac)
Route Connector 101	8.1	118	132	0	0	13	0
Route Connector 102	33.5	432	589	0	0	10	40
Route Connector 103	29.9	386	519	0	0	0	91
Route Connector 104	28.7	513	515	0	0	13	2
Route Connector 105	1.0	12	19	0	0	0	0
Route Connector 106	1.5	27	25	0	0	0	0
Route Connector 107	1.0	12	6	0	0	0	0
Route Connector 108	0.5	8	4	0	1.85	0	0
Route Connector 109	1.6	26	9	0	< 1	0	0
Route Connector 110	1.0	12	8	0	0	0	0
Route Connector 111	2.5	20	4	0	< 1	0	0
Route Connector 115	6.1	78	32	2	17.72	0	0

Appendix E Route Alternatives Data Analysis Tables - Route Connectors

		Surface Waters and Wetlands				Vegetation		
		Watercourses	Waterbodies	Wetlands	Forested wetlands	Cultivated Crops	Hay/pasture	Forested
Route Connector	Length (miles)	Crossing count	Crossing count	Area within ROW (ac)	Area within ROW (ac)	Area within ROW (ac)	Area within ROW (ac)	Area within ROW (ac)
Route Connector 101	8.1	11	1	9	0	118	1	0
Route Connector 102	33.5	21	2	9	1	432	0	< 1
Route Connector 103	29.9	14	0	19	2.06	386	0	0
Route Connector 104	28.7	28	0	1	0	513	0	0
Route Connector 105	1.0	0	0	0	0	12	0	0
Route Connector 106	1.5	0	0	< 1	0	27	0	0
Route Connector 107	1.0	3	0	< 1	0	12	0	0
Route Connector 108	0.5	0	0	6	0	8	0	0
Route Connector 109	1.6	0	0	< 1	0	26	0	0
Route Connector 110	1.0	0	3	4	1	12	0	1
Route Connector 111	2.5	1	0	< 1	< 1	20	9	9
Route Connector 115	6.1	1	0	13	5	78	4	2

Appendix E Route Alternatives Data Analysis Tables - Route Connectors

		Wildlife							
Route Connector	Length (miles)	Grassland Bird Conservation Areas		Important Bird Areas		Wildlife Management Areas		State Game Refuges	
		Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)
Route Connector 101	8.1	66	439	0	0	0	25	0	0
Route Connector 102	33.5	0	0	0	0	0	3	0	0
Route Connector 103	29.9	62	416	0	0	0	0	0	0
Route Connector 104	28.7	0	0	0	0	0	20	0	0
Route Connector 105	1.0	0	0	0	0	0	0	0	0
Route Connector 106	1.5	0	0	0	0	0	0	0	0
Route Connector 107	1.0	17	118	0	0	0	0	0	0
Route Connector 108	0.5	8	61	0	0	0	0	0	0
Route Connector 109	1.6	29	206	0	0	0	0	< 1	9
Route Connector 110	1.0	18	138	0	0	0	0	< 1	9
Route Connector 111	2.5	46	302	0	0	0	0	4	29
Route Connector 115	6.1	0	0	0	0	0	0	0	0

Appendix E Route Alternatives Data Analysis Tables - Route Connectors

		Wildlife					
Route Connector	Length (miles)	Waterfowl Production Areas		Shallow Wildlife Lakes		Wildlife Action Network Corridor Polygons	
		Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)
Route Connector 101	8.1	0	0	0	0	2	20
Route Connector 102	33.5	0	0	0	1	45	298
Route Connector 103	29.9	0	0	0	0	0	0
Route Connector 104	28.7	0	0	0	0	0	0
Route Connector 105	1.0	0	0	0	0	0	0
Route Connector 106	1.5	0	0	0	0	0	0
Route Connector 107	1.0	0	0	0	0	0	0
Route Connector 108	0.5	0	0	0	0	0	0
Route Connector 109	1.6	0	0	0	0	0	0
Route Connector 110	1.0	0	0	0	0	0	0
Route Connector 111	2.5	0	0	0	0	0	0
Route Connector 115	6.1	0	0	0	0	0	0

Appendix E Route Alternatives Data Analysis Tables - Route Connectors

		Rare and Unique Natural Resources								Rare and Unique Natural Resources			
		State Threatened or Endangered Species		Sites of Biodiversity Significance		Native Plant Communities		Railroad Rights-of-way Prairie		Prairie Bank Easements		Lakes of Biological Significance	
Route Connector	Length (miles)	Count within ROW	Count within route width	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)
Route Connector 101	8.1	0	0	5	23	0	0	0	0	0	0	0	0
Route Connector 102	33.5	0	0	1	6	0	0	0	0	0	0	2	17
Route Connector 103	29.9	0	0	0	0	0	0	0	0	0	0	0	0
Route Connector 104	28.7	0	0	0	0	0	0	0	0	0	0	0	0
Route Connector 105	1.0	0	0	0	0	0	0	0	0	0	0	0	0
Route Connector 106	1.5	0	0	0	0	0	0	0	0	0	0	0	0
Route Connector 107	1.0	0	0	0	0	0	0	0	0	0	0	0	0
Route Connector 108	0.5	0	0	0	0	0	0	0	0	0	0	0	0
Route Connector 109	1.6	1	1	0	0	0	0	0	0	0	0	0	0
Route Connector 110	1.0	1	1	0	0	0	0	0	0	0	0	0	0
Route Connector 111	2.5	0	0	0	0	0	0	0	0	0	0	0	0
Route Connector 115	6.1	0	1	< 1	37	0	0	0	0	0	0	0	0

Appendix E Route Alternatives Data Analysis Tables - Route Segment Refinements

		ROW Sharing / Paralleling			Human Settlement: Residences				Land-Based Economies (Agriculture)			
		Transmission line	Total ROW sharing (transmission line, road, and railroad)	Total length following no infrastructure or division lines	Residences within 0 - 75 ft	Residences within 75 - 250 ft	Residences within 250 - 500 ft	Residences within 500 - 1,600 ft	Agricultural Land	Prime Farmland	Center pivot irrigation systems	Center pivot irrigation systems
					Count	Count	Count	Count	Area within ROW (ac)	Area within ROW (ac)	Crossing count	Area within ROW (ac)
Route Segment (Refinement) / Equivalent	Length (miles)	Length (miles, percent)	Length (miles, percent)	Length (miles, percent)								
Route Segment 204	1.5	0.5 (33)	0.5 (37)	0 (0)	0	0	0	1	21	25	0	0
Route Segment 204 Equivalent	1.5	0.5 (33)	1.5 (100)	0 (0)	0	1	1	0	14	26	0	0
Route Segment 206	2.0	0 (0)	2.0 (100)	0 (0)	0	3	1	6	24	29	0	0
Route Segment 206 Equivalent	2.0	0 (0)	0.5 (26)	0 (0)	0	1	1	4	27	25	0	0
Route Segment 207	1.0	0 (0)	0 (0)	0 (0)	0	0	0	0	18	16	0	0
Route Segment 207 Equivalent	1.0	0 (0)	0.5 (50)	0.1 (11)	0	1	0	0	15	16	0	0
Route Segment 208	1.5	1.0 (65)	1.5 (100)	0 (0)	0	0	3	2	26	28	0	0
Route Segment 208 Equivalent	1.5	0 (0)	0 (0)	0.5 (32)	0	0	0	3	28	28	0	0
Route Segment 210	0.5	0 (0)	0.5 (100)	0 (0)	0	0	0	43	5	9	0	0
Route Segment 210 Equivalent	0.6	0 (0)	0.2 (39)	0.3 (49)	0	0	0	43	8	12	0	0
Route Segment 211	7.0	0 (0)	7.0 (100)	0 (0)	0	0	2	4	69	112	0	0
Route Segment 219	7.1	0 (0)	6.1 (86)	0 (0)	0	0	3	3	70	111	0	0
Route Segment 211-219 Equivalent	6.1	0 (0)	3.8 (61)	0.7 (12)	0	1	2	4	54	90	0	0
Route Segment 212	4.5	0 (0)	4.5 (100)	0 (0)	0	0	3	6	59	78	0	0
Route Segment 212 Equivalent	4.5	0 (0)	1.5 (33)	0 (0)	0	1	1	3	67	75	0	0
Route Segment 213	5.0	0 (0)	1.0 (20)	0 (0)	0	1	0	2	82	75	0	0
Route Segment 213 Equivalent	4.0	0 (0)	4.0 (100)	0 (0)	0	3	4	2	32	67	0	0
Route Segment 214	2.2	2.2 (100)	2.2 (100)	0 (0)	0	2	0	3	24	25	0	0
Route Segment 214-Alternative Alignment 1 Equivalent	1.9	0.6 (31)	0.6 (31)	0.7 (36)	0	0	0	4	30	12	0	0
Route Segment 215	2.4	1.2 (51)	2.4 (100)	0 (0)	0	0	3	11	34	35	0	0
Route Segment 220	2.3	1.5 (64)	2.0 (86)	0 (0)	0	0	2	1	39	35	0	0
Route Segment 215-220 Equivalent	2.3	1.8 (79)	2.0 (86)	0 (0)	0	0	3	1	42	36	0	0
Route Segment 216	2.2	0 (0)	0 (0)	0 (0)	0	0	0	2	40	26	0	0
Route Segment 216 Equivalent	2.2	0 (0)	0 (0)	0 (0)	0	1	0	2	39	36	0	0
Route Segment 217	3.5	0.3 (9)	1.9 (53)	0.2 (6)	0	0	1	1	50	64	0	0
Route Segment 218	3.5	0.3 (9)	3.3 (94)	0.2 (6)	0	0	1	2	41	64	0	0
Route Segment 217-218 Equivalent	2.3	0 (0)	0 (0)	0.7 (30)	0	0	1	1	41	42	0	0
Route Segment 221	3.2	0 (0)	3.2 (100)	0 (0)	0	0	3	3	43	48	0	0
Route Segment 221 Equivalent	2.3	0 (0)	0 (0)	0.5 (22)	0	0	0	3	38	36	0	0
Route Segment 222	8.0	0 (0)	6.0 (75)	0 (0)	0	0	1	7	95	144	0	0
Route Segment 223	8.0	1.8 (22)	8.0 (100)	0 (0)	0	0	3	13	89	141	0	0
Route Segment 222-223 Equivalent	8.0	0 (0)	5.0 (63)	0 (0)	0	0	2	5	92	144	0	0
Route Segment 224	3.8	0 (0)	3.2 (86)	0 (0)	0	0	2	3	53	66	0	0
Route Segment 224 Equivalent	3.8	0 (0)	0.1 (2)	1.2 (32)	0	0	1	8	67	66	0	0
Route Segment 225	2.2	0 (0)	2.0 (90)	0 (0)	0	4	1	4	27	32	0	0
Route Segment 225 Equivalent	2.3	0 (0)	< 0.1 (1)	1.0 (44)	0	1	0	9	41	21	0	0

Appendix E Route Alternatives Data Analysis Tables - Route Segment Refinements

		ROW Sharing / Paralleling			Human Settlement: Residences				Land-Based Economies (Agriculture)			
		Transmission line	Total ROW sharing (transmission line, road, and railroad)	Total length following no infrastructure or division lines	Residences within 0 - 75 ft	Residences within 75 - 250 ft	Residences within 250 - 500 ft	Residences within 500 - 1,600 ft	Agricultural Land	Prime Farmland	Center pivot irrigation systems	Center pivot irrigation systems
		Length (miles, percent)	Length (miles, percent)	Length (miles, percent)	Count	Count	Count	Count	Area within ROW (ac)	Area within ROW (ac)	Crossing count	Area within ROW (ac)
Route Segment (Refinement) / Equivalent	Length (miles)											
Route Segment 229	1.2	0 (0)	0.2 (20)	0 (0)	0	0	0	6	18	22	0	0
Route Segment 229 Equivalent	1.2	0 (0)	0.5 (40)	0.2 (16)	0	1	0	6	18	22	0	0
Route Segment 230	0.7	0 (0)	0.5 (63)	0 (0)	0	1	0	1	11	11	0	0
Route Segment 230 Equivalent	0.7	0 (0)	< 0.1 (2)	0 (0)	0	0	0	5	13	11	0	0
Route Segment 231	4.2	0 (0)	3.7 (88)	0 (0)	0	8	4	19	48	64	0	0
Route Segment 231 Equivalent	3.9	0 (0)	0 (0)	1.8 (46)	0	1	1	15	69	63	0	0
Route Segment 232	1.8	0 (0)	1.3 (75)	0.2 (12)	0	3	1	4	19	12	0	0
Route Segment 232 Equivalent	2.3	0 (0)	0.6 (25)	0 (0)	0	0	2	7	39	17	0	0
Route Segment 235	3.2	0 (0)	1.7 (53)	0 (0)	0	7	4	34	41	12	5	10
Route Segment 236	3.4	0 (0)	2.4 (70)	0 (0)	0	4	1	8	35	18	5	7
Route Segment 237	3.3	0 (0)	1.3 (40)	0 (0)	0	3	1	8	44	16	5	7
Route Segment 238	3.2	0 (0)	3.1 (98)	< 0.1 (1)	0	7	4	6	26	23	1	1
Route Segment 239	3.2	0 (0)	2.7 (82)	0.3 (9)	0	6	3	8	30	22	1	1
Route Segment 240	3.2	0 (0)	1.8 (56)	0.3 (8)	0	5	2	8	40	21	3	6
Route Segment 235-240 Equivalent	3.1	0 (0)	2.3 (73)	0.1 (4)	0	5	4	8	31	18	1	1
Route Segment 242	1.1	0 (0)	1.1 (99)	< 0.1 (1)	0	0	5	4	10	1	1	< 1
Route Segment 242 Equivalent	0.6	0 (0)	< 0.1 (2)	0.6 (98)	0	0	2	4	10	1	1	4
Route Segment 243	2.1	0 (0)	0.8 (35)	0 (0)	0	0	2	2	27	18	1	6
Route Segment 243 Equivalent	1.7	0 (0)	1.2 (71)	0 (0)	0	2	4	2	18	5	1	3
Route Segment 244	2.1	0 (0)	0.3 (14)	0.4 (17)	0	1	0	6	31	22	0	< 1
Route Segment 244 Equivalent	2.0	0 (0)	0.9 (44)	0.3 (14)	0	0	3	3	17	22	1	2
Route Segment 245	4.2	0 (0)	3.1 (75)	0.2 (4)	0	10	8	37	27	< 1	1	7
Route Segment 246	6.9	2.0 (29)	6.6 (96)	0 (0)	0	25	14	49	47	1	1	7
Route Segment 245-246 Equivalent	3.5	0 (0)	0 (0)	1.0 (29)	0	0	2	9	45	2	3	6
Route Segment 247	2.0	0 (0)	1.4 (71)	0.4 (20)	1	7	9	33	19	10	0	1
Route Segment 248	2.3	0 (0)	1.2 (51)	0.4 (18)	0	3	9	39	23	10	2	3
Route Segment 247-248 Equivalent	1.9	0 (0)	0.4 (22)	0.7 (38)	0	1	4	18	20	5	1	2
Route Segment 249	2.5	0 (0)	2.5 (100)	0 (0)	0	5	1	5	27	20	2	2
Route Segment 249 Equivalent	2.1	0 (0)	0.3 (14)	0.3 (12)	0	0	0	8	37	12	1	10
Route Segment 250	1.3	0 (0)	1.3 (100)	0 (0)	0	1	5	2	18	2	1	< 1
Route Segment 250 Equivalent	1.4	0 (0)	0.5 (34)	0 (0)	0	0	3	6	22	8	1	7

Appendix E Route Alternatives Data Analysis Tables - Route Segment Refinements

		Conservation Easements		Surface Waters and Wetlands				Vegetation		
		RIM	CREP	Watercourses	Waterbodies	Wetlands	Forested wetlands	Cultivated Crops	Hay/pasture	Forested
Route Segment (Refinement) / Equivalent	Length (miles)	Area within route width (ac)	Area within route width (ac)	Crossing count	Crossing count	Area within ROW (ac)	Area within ROW (ac)	Area within ROW (ac)	Area within ROW (ac)	Area within ROW (ac)
Route Segment 204	1.5	0	0	0	0	1	0	21	0	0
Route Segment 204 Equivalent	1.5	0	0	0	0	0	0	14	0	0
Route Segment 206	2.0	0	0	5	0	1	< 1	21	3	0
Route Segment 206 Equivalent	2.0	0	0	3	0	2	< 1	22	5	0
Route Segment 207	1.0	0	0	2	0	1	< 1	18	0	0
Route Segment 207 Equivalent	1.0	0	0	2	0	0	0	15	0	0
Route Segment 208	1.5	0	0	2	0	0	0	26	0	0
Route Segment 208 Equivalent	1.5	0	0	2	0	0	0	28	0	0
Route Segment 210	0.5	0	0	1	0	0	0	4	1	0
Route Segment 210 Equivalent	0.6	0	0	1	0	0	0	8	< 1	0
Route Segment 211	7.0	13	3	4	0	6	< 1	69	1	< 1
Route Segment 219	7.1	13	23	4	0	6	< 1	70	1	< 1
Route Segment 211-219 Equivalent	6.1	0	57	4	0	24	1	50	4	0
		0	206							
Route Segment 212	4.5	0	0	1	1	0	0	59	0	0
Route Segment 212 Equivalent	4.5	0	0	2	0	0	0	67	0	0
Route Segment 213	5.0	0	11	2	0	3	0	73	9	2
Route Segment 213 Equivalent	4.0	0	0	2	0	< 1	0	29	3	0
Route Segment 214	2.2	0	59	2	0	1	0	23	1	0
Route Segment 214-Alternative Alignment 1 Equivalent	1.9	0	61	2	0	1	0	30	0	0
		0	97							
Route Segment 215	2.4	0	19	1	0	< 1	0	34	0	0
Route Segment 220	2.3	0	13	1	0	< 1	0	39	0	0
Route Segment 215-220 Equivalent	2.3	0	0	1	0	< 1	0	42	0	0
Route Segment 216	2.2	0	0	2	0	0	0	40	0	0
Route Segment 216 Equivalent	2.2	0	0	1	0	0	0	39	0	0
Route Segment 217	3.5	0	0	1	0	< 1	0	50	0	0
Route Segment 218	3.5	0	0	3	0	< 1	0	41	0	0
Route Segment 217-218 Equivalent	2.3	0	0	2	0	< 1	0	41	0	0
Route Segment 221	3.2	0	0	5	0	1	0	43	0	0
Route Segment 221 Equivalent	2.3	0	0	3	0	1	0	37	1	0
Route Segment 222	8.0	0	0	5	0	2	0	94	1	0
Route Segment 223	8.0	0	1	5	0	< 1	0	89	0	< 1
Route Segment 222-223 Equivalent	8.0	0	0	5	0	2	0	91	1	0
Route Segment 224	3.8	0	0	6	0	2	0	52	1	0
Route Segment 224 Equivalent	3.8	0	0	5	0	2	0	64	3	0
Route Segment 225	2.2	0	0	1	0	2	0	25	2	< 1
Route Segment 225 Equivalent	2.3	0	0	1	0	2	0	40	1	< 1

Appendix E Route Alternatives Data Analysis Tables - Route Segment Refinements

		Conservation Easements		Surface Waters and Wetlands				Vegetation		
		RIM	CREP	Watercourses	Waterbodies	Wetlands	Forested wetlands	Cultivated Crops	Hay/pasture	Forested
Route Segment (Refinement) / Equivalent	Length (miles)	Area within route width (ac)	Area within route width (ac)	Crossing count	Crossing count	Area within ROW (ac)	Area within ROW (ac)	Area within ROW (ac)	Area within ROW (ac)	Area within ROW (ac)
Route Segment 229	1.2	0	0	0	0	1	0	18	0	0
Route Segment 229 Equivalent	1.2	0	0	1	0	< 1	< 1	18	0	0
Route Segment 230	0.7	0	0	0	0	< 1	0	11	0	0
Route Segment 230 Equivalent	0.7	0	0	1	0	< 1	0	13	0	0
Route Segment 231	4.2	0	0	3	0	5	< 1	48	1	0
Route Segment 231 Equivalent	3.9	0	0	2	0	1	0	69	0	0
Route Segment 232	1.8	0	0	0	0	6	0	17	1	1
Route Segment 232 Equivalent	2.3	0	0	0	0	2	0	38	< 1	0
Route Segment 235	3.2	0	0	0	0	< 1	0	35	5	< 1
Route Segment 236	3.4	0	0	0	0	0	0	35	0	< 1
Route Segment 237	3.3	0	0	0	0	0	0	43	1	< 1
Route Segment 238	3.2	0	0	0	0	0	0	26	0	< 1
Route Segment 239	3.2	0	0	0	0	1	0	30	0	< 1
Route Segment 240	3.2	0	0	0	0	1	0	40	0	< 1
Route Segment 235-240 Equivalent	3.1	0	0	0	0	< 1	0	31	0	1
Route Segment 242	1.1	0	0	0	0	0	0	8	2	0
Route Segment 242 Equivalent	0.6	0	0	0	0	0	0	10	0	0
Route Segment 243	2.1	0	0	1	0	7	2	26	1	2
Route Segment 243 Equivalent	1.7	0	0	4	0	2	0	17	1	< 1
Route Segment 244	2.1	0	0	0	0	3	< 1	29	2	2
Route Segment 244 Equivalent	2.0	0	0	1	0	2	1	16	< 1	8
Route Segment 245	4.2	0	0	1	0	4	< 1	26	1	9
Route Segment 246	6.9	0	0	1	0	1	0	41	6	10
Route Segment 245-246 Equivalent	3.5	0	0	2	1	4	0	44	< 1	12
Route Segment 247	2.0	0	0	1	1	8	4	14	5	3
Route Segment 248	2.3	0	0	1	1	10	4	21	2	4
Route Segment 247-248 Equivalent	1.9	0	0	2	0	5	1	17	3	8
Route Segment 249	2.5	0	0	0	0	< 1	0	26	1	0
Route Segment 249 Equivalent	2.1	0	0	0	0	1	1	37	< 1	< 1
Route Segment 250	1.3	0	0	0	0	7	1	18	0	< 1
Route Segment 250 Equivalent	1.4	0	0	0	0	3	0	22	0	< 1

Appendix E Route Alternatives Data Analysis Tables - Route Segment Refinements

		Wildlife							
		Grassland Bird Conservation Areas		Important Bird Areas		Wildlife Management Areas		State Game Refuges	
		Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)
Route Segment (Refinement) / Equivalent	Length (miles)								
Route Segment 204	1.5	23	159	0	0	0	0	0	0
Route Segment 204 Equivalent	1.5	14	103	0	0	0	0	0	0
Route Segment 206	2.0	16	111	0	0	0	0	0	0
Route Segment 206 Equivalent	2.0	6	47	0	0	0	0	0	0
Route Segment 207	1.0	0	0	0	0	0	0	0	0
Route Segment 207 Equivalent	1.0	0	1	0	0	0	0	0	0
Route Segment 208	1.5	22	153	0	0	0	0	0	0
Route Segment 208 Equivalent	1.5	13	92	0	0	0	0	0	0
Route Segment 210	0.5	0	0	0	0	0	0	0	0
Route Segment 210 Equivalent	0.6	0	0	0	0	0	0	0	0
Route Segment 211	7.0	115	774	0	0	0	0	0	0
Route Segment 219	7.1	108	725	0	0	0	0	0	0
Route Segment 211-219 Equivalent	6.1	88	596 1870	0	0 0	0	0 0	0	0 0
Route Segment 212	4.5	0	0	0	0	0	0	0	0
Route Segment 212 Equivalent	4.5	0	0	0	0	0	0	0	0
Route Segment 213	5.0	50	338	0	0	< 1	25	0	0
Route Segment 213 Equivalent	4.0	50	334	0	0	0	0	0	0
Route Segment 214	2.2	25	167	0	0	0	0	0	0
Route Segment 214-Alternative Alignment 1 Equivalent	1.9	4	39 146	0	0 0	0	0 0	0	0 0
Route Segment 215	2.4	0	0	0	71	0	0	0	0
Route Segment 220	2.3	0	0	0	57	0	0	0	0
Route Segment 215-220 Equivalent	2.3	0	0	0	15	0	0	0	0
Route Segment 216	2.2	0	0	0	0	0	0	0	0
Route Segment 216 Equivalent	2.2	0	0	0	0	0	0	0	0
Route Segment 217	3.5	0	0	0	0	0	0	0	0
Route Segment 218	3.5	0	0	0	0	0	0	0	0
Route Segment 217-218 Equivalent	2.3	0	0	0	0	0	0	0	0
Route Segment 221	3.2	8	58	0	0	0	0	0	0
Route Segment 221 Equivalent	2.3	12	95	0	0	0	0	0	0
Route Segment 222	8.0	0	0	0	0	0	0	0	0
Route Segment 223	8.0	0	0	0	0	0	0	0	0
Route Segment 222-223 Equivalent	8.0	0	0	0	0	0	0	0	0
Route Segment 224	3.8	0	0	0	0	0	0	0	0
Route Segment 224 Equivalent	3.8	0	0	0	0	0	0	0	0
Route Segment 225	2.2	41	288	0	0	0	0	0	0
Route Segment 225 Equivalent	2.3	42	293	0	0	0	0	0	0

Appendix E Route Alternatives Data Analysis Tables - Route Segment Refinements

		Wildlife							
		Grassland Bird Conservation Areas		Important Bird Areas		Wildlife Management Areas		State Game Refuges	
		Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)
Route Segment (Refinement) / Equivalent	Length (miles)								
Route Segment 229	1.2	0	0	0	0	0	0	0	0
Route Segment 229 Equivalent	1.2	0	0	0	0	0	0	0	0
Route Segment 230	0.7	2	22	0	0	0	0	0	0
Route Segment 230 Equivalent	0.7	11	81	0	0	0	0	0	0
Route Segment 231	4.2	0	0	0	0	0	0	0	0
Route Segment 231 Equivalent	3.9	0	0	0	0	0	0	0	0
Route Segment 232	1.8	32	230	0	0	0	0	0	0
Route Segment 232 Equivalent	2.3	42	295	0	0	0	0	0	0
Route Segment 235	3.2	39	266	0	0	0	0	<1	4
Route Segment 236	3.4	26	213	0	0	0	0	5	44
Route Segment 237	3.3	26	220	0	0	0	0	5	44
Route Segment 238	3.2	39	262	0	0	0	0	5	44
Route Segment 239	3.2	39	265	0	0	0	0	5	44
Route Segment 240	3.2	32	217	0	0	0	0	5	44
Route Segment 235-240 Equivalent	3.1	37	254	0	0	0	0	5	44
Route Segment 242	1.1	13	86	0	0	0	0	7	63
Route Segment 242 Equivalent	0.6	1	22	0	0	0	0	11	70
Route Segment 243	2.1	0	0	0	0	0	0	0	0
Route Segment 243 Equivalent	1.7	0	0	0	0	0	0	0	0
Route Segment 244	2.1	35	250	0	0	0	0	0	0
Route Segment 244 Equivalent	2.0	17	132	0	0	0	0	0	0
Route Segment 245	4.2	56	388	0	0	0	0	13	75
Route Segment 246	6.9	107	726	0	0	0	0	13	75
Route Segment 245-246 Equivalent	3.5	44	310	0	0	0	0	21	138
Route Segment 247	2.0	36	253	0	0	0	0	0	0
Route Segment 248	2.3	42	290	0	0	0	0	0	0
Route Segment 247-248 Equivalent	1.9	35	244	0	0	0	0	0	0
Route Segment 249	2.5	0	0	0	0	0	0	0	0
Route Segment 249 Equivalent	2.1	0	0	0	0	0	0	0	0
Route Segment 250	1.3	0	0	0	0	0	0	0	0
Route Segment 250 Equivalent	1.4	0	0	0	0	0	0	0	0

Appendix E Route Alternatives Data Analysis Tables - Route Segment Refinements

		Wildlife					
		Waterfowl Production Areas		Shallow Wildlife Lakes		Wildlife Action Network Corridor Polygons	
Route Segment (Refinement) / Equivalent	Length (miles)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)
Route Segment 204	1.5	0	0	0	0	27	195
Route Segment 204 Equivalent	1.5	0	0	0	0	27	196
Route Segment 206	2.0	0	0	0	0	37	261
Route Segment 206 Equivalent	2.0	0	0	0	0	26	196
Route Segment 207	1.0	0	0	0	0	< 1	2
Route Segment 207 Equivalent	1.0	0	0	0	0	0	0
Route Segment 208	1.5	0	0	0	0	0	0
Route Segment 208 Equivalent	1.5	0	0	0	0	0	0
Route Segment 210	0.5	0	0	0	0	0	0
Route Segment 210 Equivalent	0.6	0	0	0	0	0	0
Route Segment 211	7.0	0	0	0	0	0	0
Route Segment 219	7.1	0	0	0	0	0	0
Route Segment 211-219 Equivalent	6.1	0	0	0	0	0	0
Route Segment 212	4.5	0	0	0	0	0	0
Route Segment 212 Equivalent	4.5	0	0	0	0	0	0
Route Segment 213	5.0	0	0	0	0	0	0
Route Segment 213 Equivalent	4.0	0	0	0	0	0	0
Route Segment 214	2.2	0	0	0	0	11	76
Route Segment 214-Alternative Alignment 1 Equivalent	1.9	0	0	0	0	1	36
Route Segment 215	2.4	0	0	0	0	8	96
Route Segment 220	2.3	0	0	0	0	< 1	36
Route Segment 215-220 Equivalent	2.3	0	0	0	0	1	27
Route Segment 216	2.2	0	0	0	0	0	0
Route Segment 216 Equivalent	2.2	0	0	0	0	0	0
Route Segment 217	3.5	0	0	0	0	0	0
Route Segment 218	3.5	0	0	0	0	0	0
Route Segment 217-218 Equivalent	2.3	0	0	0	0	0	0
Route Segment 221	3.2	0	0	0	0	0	0
Route Segment 221 Equivalent	2.3	0	0	0	0	0	0
Route Segment 222	8.0	0	0	0	0	0	0
Route Segment 223	8.0	0	0	0	0	0	0
Route Segment 222-223 Equivalent	8.0	0	0	0	0	0	0
Route Segment 224	3.8	0	0	0	0	0	0
Route Segment 224 Equivalent	3.8	0	0	0	0	0	0
Route Segment 225	2.2	0	0	0	0	0	0
Route Segment 225 Equivalent	2.3	0	0	0	0	0	0

Appendix E Route Alternatives Data Analysis Tables - Route Segment Refinements

		Wildlife					
		Waterfowl Production Areas		Shallow Wildlife Lakes		Wildlife Action Network Corridor Polygons	
		Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)
Route Segment (Refinement) / Equivalent	Length (miles)						
Route Segment 229	1.2	0	0	0	0	0	0
Route Segment 229 Equivalent	1.2	0	0	0	0	0	0
Route Segment 230	0.7	0	0	0	0	0	0
Route Segment 230 Equivalent	0.7	0	0	0	0	0	0
Route Segment 231	4.2	0	0	0	0	0	0
Route Segment 231 Equivalent	3.9	0	0	0	0	0	0
Route Segment 232	1.8	0	0	0	0	0	0
Route Segment 232 Equivalent	2.3	0	0	0	0	0	0
Route Segment 235	3.2	4	56	0	0	0	0
Route Segment 236	3.4	0	0	0	0	0	0
Route Segment 237	3.3	0	0	0	0	0	0
Route Segment 238	3.2	0	0	0	0	0	0
Route Segment 239	3.2	0	0	0	0	0	0
Route Segment 240	3.2	0	0	0	0	0	0
Route Segment 235-240 Equivalent	3.1	0	0	0	0	0	0
Route Segment 242	1.1	0	0	0	0	0	0
Route Segment 242 Equivalent	0.6	0	0	0	0	0	0
Route Segment 243	2.1	0	0	0	0	9	60
Route Segment 243 Equivalent	1.7	0	0	0	0	0	2
Route Segment 244	2.1	0	0	0	0	0	0
Route Segment 244 Equivalent	2.0	0	0	0	0	0	0
Route Segment 245	4.2	0	0	0	0	0	6
Route Segment 246	6.9	0	0	0	0	0	6
Route Segment 245-246 Equivalent	3.5	0	0	0	0	0	0
Route Segment 247	2.0	0	0	0	0	36	245
Route Segment 248	2.3	0	0	0	0	42	282
Route Segment 247-248 Equivalent	1.9	0	0	0	0	34	235
Route Segment 249	2.5	0	0	0	0	0	0
Route Segment 249 Equivalent	2.1	0	0	0	0	0	0
Route Segment 250	1.3	0	0	0	0	0	0
Route Segment 250 Equivalent	1.4	0	0	0	0	0	0

Appendix E Route Alternatives Data Analysis Tables - Route Segment Refinements

		Rare and Unique Natural Resources					
Route Segment (Refinement) / Equivalent	Length (miles)	State Threatened or Endangered Species		Sites of Biodiversity Significance		Native Plant Communities	
		Count within ROW	Count within route width	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)
Route Segment 204	1.5	0	0	0	0	0	0
Route Segment 204 Equivalent	1.5	0	0	0	0	0	0
Route Segment 206	2.0	0	0	0	4	0	0
Route Segment 206 Equivalent	2.0	0	0	5	54	3	7
Route Segment 207	1.0	0	0	< 1	2	0	0
Route Segment 207 Equivalent	1.0	0	0	0	0	0	0
Route Segment 208	1.5	0	0	0	0	0	0
Route Segment 208 Equivalent	1.5	0	0	0	0	0	0
Route Segment 210	0.5	0	0	0	0	0	0
Route Segment 210 Equivalent	0.6	0	0	0	0	0	0
Route Segment 211	7.0	0	0	12	74	0	< 1
Route Segment 219	7.1	0	0	12	74	0	< 1
Route Segment 211-219 Equivalent	6.1	0	0	39	230 328	< 1	10 10
Route Segment 212	4.5	0	0	0	0	0	0
Route Segment 212 Equivalent	4.5	0	0	0	0	0	0
Route Segment 213	5.0	0	0	11	78	0	0
Route Segment 213 Equivalent	4.0	0	0	10	55	0	0
Route Segment 214	2.2	0	0	0	0	1	9
Route Segment 214-Alternative Alignment 1 Equivalent	1.9	0	0	10	62 221	0	0 1
Route Segment 215	2.4	0	0	0	5	0	1
Route Segment 220	2.3	0	0	0	4	0	0
Route Segment 215-220 Equivalent	2.3	0	0	0	3	0	0
Route Segment 216	2.2	0	0	0	0	0	0
Route Segment 216 Equivalent	2.2	0	0	0	0	0	0
Route Segment 217	3.5	0	0	0	0	0	0
Route Segment 218	3.5	0	0	0	0	0	0
Route Segment 217-218 Equivalent	2.3	0	0	0	0	0	0
Route Segment 221	3.2	0	0	0	0	0	0
Route Segment 221 Equivalent	2.3	0	0	0	0	0	0
Route Segment 222	8.0	0	0	0	0	0	0
Route Segment 223	8.0	0	0	0	0	0	0
Route Segment 222-223 Equivalent	8.0	0	0	0	0	0	0
Route Segment 224	3.8	0	0	1	5	0	0
Route Segment 224 Equivalent	3.8	0	0	0	0	0	0
Route Segment 225	2.2	0	0	10	60	0	0
Route Segment 225 Equivalent	2.3	0	0	18	120	0	0

Appendix E Route Alternatives Data Analysis Tables - Route Segment Refinements

		Rare and Unique Natural Resources					
Route Segment (Refinement) / Equivalent	Length (miles)	State Threatened or Endangered Species		Sites of Biodiversity Significance		Native Plant Communities	
		Count within ROW	Count within route width	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)
Route Segment 229	1.2	0	0	0	0	0	0
Route Segment 229 Equivalent	1.2	0	0	0	0	0	0
Route Segment 230	0.7	0	0	0	0	0	0
Route Segment 230 Equivalent	0.7	0	0	0	0	0	0
Route Segment 231	4.2	0	0	0	0	0	0
Route Segment 231 Equivalent	3.9	0	0	0	0	0	0
Route Segment 232	1.8	0	0	0	0	0	0
Route Segment 232 Equivalent	2.3	0	0	0	0	0	0
Route Segment 235	3.2	0	0	0	0	0	0
Route Segment 236	3.4	0	0	0	0	0	0
Route Segment 237	3.3	0	0	0	0	0	0
Route Segment 238	3.2	0	0	0	0	0	0
Route Segment 239	3.2	0	0	0	0	0	0
Route Segment 240	3.2	0	0	0	0	0	0
Route Segment 235-240 Equivalent	3.1	0	0	0	0	0	0
Route Segment 242	1.1	0	0	0	0	0	0
Route Segment 242 Equivalent	0.6	0	0	0	0	0	0
Route Segment 243	2.1	1	1	0	3	0	0
Route Segment 243 Equivalent	1.7	0	1	0	0	0	0
Route Segment 244	2.1	0	0	0	0	0	0
Route Segment 244 Equivalent	2.0	0	0	0	0	0	0
Route Segment 245	4.2	0	0	0	< 1	0	0
Route Segment 246	6.9	0	0	0	1	0	0
Route Segment 245-246 Equivalent	3.5	0	0	1	25	0	0
Route Segment 247	2.0	1	1	0	0	0	0
Route Segment 248	2.3	1	1	0	0	0	0
Route Segment 247-248 Equivalent	1.9	1	1	0	0	0	0
Route Segment 249	2.5	0	0	0	0	0	0
Route Segment 249 Equivalent	2.1	0	0	< 1	13	0	0
Route Segment 250	1.3	0	0	0	0	0	0
Route Segment 250 Equivalent	1.4	0	1	0	0	0	0

Appendix E Route Alternatives Data Analysis Tables - Route Segment Refinements

		Rare and Unique Natural Resources					
Route Segment (Refinement) / Equivalent	Length (miles)	Railroad Rights-of-way Prairie		Prairie Bank Easements		Lakes of Biological Significance	
		Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)
Route Segment 204	1.5	0	0	0	0	0	0
Route Segment 204 Equivalent	1.5	0	0	0	0	0	0
Route Segment 206	2.0	0	0	0	0	0	0
Route Segment 206 Equivalent	2.0	0	0	0	0	0	0
Route Segment 207	1.0	0	0	0	0	0	0
Route Segment 207 Equivalent	1.0	0	0	0	0	0	0
Route Segment 208	1.5	0	0	0	0	0	0
Route Segment 208 Equivalent	1.5	0	0	0	0	0	0
Route Segment 210	0.5	0	0	0	0	0	0
Route Segment 210 Equivalent	0.6	0	0	0	0	0	0
Route Segment 211	7.0	0	0	0	0	0	0
Route Segment 219	7.1	0	0	0	0	0	0
Route Segment 211-219 Equivalent	6.1	0	0	0	0	0	0
Route Segment 212	4.5	0	0	0	0	0	0
Route Segment 212 Equivalent	4.5	0	0	0	0	0	0
Route Segment 213	5.0	0	0	0	0	0	0
Route Segment 213 Equivalent	4.0	0	0	0	0	0	0
Route Segment 214	2.2	0	0	4	17	0	0
Route Segment 214-Alternative Alignment 1 Equivalent	1.9	0	0	12	46 122	0	0
Route Segment 215	2.4	0	0	0	0	0	0
Route Segment 220	2.3	0	0	0	0	0	0
Route Segment 215-220 Equivalent	2.3	0	0	0	0	0	0
Route Segment 216	2.2	0	0	0	0	0	0
Route Segment 216 Equivalent	2.2	0	0	0	0	0	0
Route Segment 217	3.5	0	0	0	0	0	0
Route Segment 218	3.5	0	0	0	0	0	0
Route Segment 217-218 Equivalent	2.3	0	0	0	0	0	0
Route Segment 221	3.2	0	0	0	0	0	0
Route Segment 221 Equivalent	2.3	0	0	0	0	0	0
Route Segment 222	8.0	0	0	0	0	0	0
Route Segment 223	8.0	0	0	0	0	0	0
Route Segment 222-223 Equivalent	8.0	0	0	0	0	0	0
Route Segment 224	3.8	0	0	0	0	0	0
Route Segment 224 Equivalent	3.8	0	0	0	0	0	0
Route Segment 225	2.2	0	0	0	0	0	0
Route Segment 225 Equivalent	2.3	0	0	0	0	0	0

Appendix E Route Alternatives Data Analysis Tables - Route Segment Refinements

		Rare and Unique Natural Resources					
Route Segment (Refinement) / Equivalent	Length (miles)	Railroad Rights-of-way Prairie		Prairie Bank Easements		Lakes of Biological Significance	
		Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)
Route Segment 229	1.2	0	0	0	0	0	0
Route Segment 229 Equivalent	1.2	0	0	0	0	0	0
Route Segment 230	0.7	0	0	0	0	0	0
Route Segment 230 Equivalent	0.7	0	0	0	0	0	0
Route Segment 231	4.2	0	0	0	0	0	0
Route Segment 231 Equivalent	3.9	0	0	0	0	0	0
Route Segment 232	1.8	0	0	0	0	0	0
Route Segment 232 Equivalent	2.3	0	0	0	0	0	0
Route Segment 235	3.2	0	0	0	0	0	0
Route Segment 236	3.4	0	0	0	0	0	0
Route Segment 237	3.3	0	0	0	0	0	0
Route Segment 238	3.2	0	0	0	0	0	0
Route Segment 239	3.2	0	0	0	0	0	0
Route Segment 240	3.2	0	0	0	0	0	0
Route Segment 235-240 Equivalent	3.1	0	0	0	0	0	0
Route Segment 242	1.1	0	0	0	0	0	0
Route Segment 242 Equivalent	0.6	0	0	0	0	0	0
Route Segment 243	2.1	0	0	0	0	0	0
Route Segment 243 Equivalent	1.7	0	0	0	0	0	0
Route Segment 244	2.1	0	0	0	0	0	0
Route Segment 244 Equivalent	2.0	0	0	0	0	0	0
Route Segment 245	4.2	0	0	0	0	0	0
Route Segment 246	6.9	0	0	0	0	0	0
Route Segment 245-246 Equivalent	3.5	0	0	0	0	0	0
Route Segment 247	2.0	0	0	0	0	0	0
Route Segment 248	2.3	0	0	0	0	0	0
Route Segment 247-248 Equivalent	1.9	0	0	0	0	0	0
Route Segment 249	2.5	0	0	0	0	0	0
Route Segment 249 Equivalent	2.1	0	0	0	0	0	0
Route Segment 250	1.3	0	0	0	0	0	0
Route Segment 250 Equivalent	1.4	0	0	0	0	0	0

Appendix E Route Alternatives Data Analysis Tables - Alternative Alignments

				ROW Sharing / Paralleling			Human Settlement: Residences				Land-Based Economies (Agriculture)				Conser Easen
				Transmissio n line	Total ROW sharing (transmission line, road, and railroad)	Total length following no infrastructur e or division lines	Residence s within 0 - 75 ft	Residence s within 75 - 250 ft	Residences within 250 - 500 ft	Residences within 500 - 1,600 ft	Agricultura l Land	Prime Farmland	Center pivot irrigation systems	Center pivot irrigation systems	RIM
Route Segment / Equivalent	Alternative Alignment / Equivalent	Region	Length (mi)	Length (miles, percent)	Length (miles, percent)	Length (miles, percent)	Count	Count	Count	Count	Area within ROW (ac)	Area within ROW (ac)	Crossing count	Area within ROW (ac)	Area within route width (ac)
17-B-AA1	Alternative Alignment 1	Region B	1.9	0.1 (4)	0.8 (40)	0.6 (34)	0	1	1	4	27	14	0	0	0
17-B-214&AA1_Eq	Route Segment 214-Alternative Alignment 1 Equivalent ⁽¹⁾	Region B	1.9	0.6 (31)	0.6 (31)	0.7 (36)	0	0	0	4	30	12	0	0	0
37-C-AA2	Alternative Alignment 2	Region C	0.3	0 (0)	0 (0)	0.2 (90)	0	0	0	2	5	5	0	0	3
37-C-AA2_Eq	Alternative Alignment 2 Equivalent	Region C	0.3	0 (0)	0 (0)	0.2 (63)	0	0	0	2	5	6	0	0	3
38-G-AA3	Alternative Alignment 3	Region G	0.3	0 (0)	0 (0)	0.1 (33)	0	0	0	7	5	0	0	0	0
38-G-AA3_Eq	Alternative Alignment 3 Equivalent	Region G	0.2	0 (0)	0 (0)	0.2 (100)	0	0	0	7	4	0	0	0	0
39-B-AA4	Alternative Alignment 4	Region B	0.5	0 (0)	0.5 (100)	0 (0)	0	0	0	0	8	10	0	0	0
39-B-AA4_Eq	Alternative Alignment 4 Equivalent	Region B	0.6	0.2 (40)	0.3 (51)	0.3 (49)	0	0	0	0	10	11	0	0	0

(1) Applicant's route width differs from the assumed route width. Route width is assumed to include a 500 foot buffer (1,000 feet total) unless otherwise specified by the applicant. Where route width is used for data reporting, two values are provided: both the assumed route width (top) and the applicant's route width (bottom).

Appendix E Route Alternatives Data Analysis Tables - Alternative Alignments

				ation nents	Surface Waters and Wetlands				Vegetation		
				CREP	Watercourses	Waterbodies	Wetlands	Forested wetlands	Cultivated Crops	Hay/pasture	Forested
Route Segment / Equivalent	Alternative Alignment / Equivalent	Region	Length (mi)	Area within route width (ac)	Crossing count	Crossing count	Area within ROW (ac)	Area within ROW (ac)	Area within ROW (ac)	Area within ROW (ac)	Area within ROW (ac)
17-B-AA1	Alternative Alignment 1	Region B	1.9	34	1	0	< 1	< 1	27	0	0
17-B-214&AA1_Eq	Route Segment 214-Alternative Alignment 1 Equivalent ⁽¹⁾	Region B	1.9	61 97	2	0	1	0	30	0	0
37-C-AA2	Alternative Alignment 2	Region C	0.3	0	0	0	< 1	0	5	0	0
37-C-AA2_Eq	Alternative Alignment 2 Equivalent	Region C	0.3	0	0	0	< 1	0	5	0	0
38-G-AA3	Alternative Alignment 3	Region G	0.3	0	0	0	< 1	< 1	5	0	0
38-G-AA3_Eq	Alternative Alignment 3 Equivalent	Region G	0.2	0	0	0	< 1	0	4	0	0
39-B-AA4	Alternative Alignment 4	Region B	0.5	0	1	0	0	0	8	0	0
39-B-AA4_Eq	Alternative Alignment 4 Equivalent	Region B	0.6	0	1	0	0	0	10	0	0

(1) Applicant's route width differs from the assumed route width. Route width is assumed to reflect both the assumed route width (top) and the applicant's route width (bottom).

Appendix E Route Alternatives Data Analysis Tables - Alternative Alignments

				Wildlife							
Route Segment / Equivalent	Alternative Alignment / Equivalent	Region	Length (mi)	Grassland Bird Conservation Areas		Important Bird Areas		Wildlife Management Areas		State Game Refuges	
				Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)
17-B-AA1	Alternative Alignment 1	Region B	1.9	4	28	0	0	0	0	0	0
17-B-214&AA1_Eq	Route Segment 214-Alternative Alignment 1 Equivalent ⁽¹⁾	Region B	1.9	4	39 146	0	0 0	0	0 0	0	0 0
37-C-AA2	Alternative Alignment 2	Region C	0.3	0	0	0	0	0	0	0	0
37-C-AA2_Eq	Alternative Alignment 2 Equivalent	Region C	0.3	0	0	0	0	0	0	0	0
38-G-AA3	Alternative Alignment 3	Region G	0.3	5	50	0	0	0	0	0	0
38-G-AA3_Eq	Alternative Alignment 3 Equivalent	Region G	0.2	4	42	0	0	0	0	0	0
39-B-AA4	Alternative Alignment 4	Region B	0.5	0	0	0	0	0	0	0	0
39-B-AA4_Eq	Alternative Alignment 4 Equivalent	Region B	0.6	0	0	0	0	0	0	0	0

(1) Applicant's route width differs from the assumed route width. Route width is assumed both the assumed route width (top) and the applicant's route width (bottom).

Appendix E Route Alternatives Data Analysis Tables - Alternative Alignments

				Wildlife					
Route Segment / Equivalent	Alternative Alignment / Equivalent	Region	Length (mi)	Waterfowl Production Areas		Shallow Wildlife Lakes		Wildlife Action Network Corridor Polygons	
				Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)
17-B-AA1	Alternative Alignment 1	Region B	1.9	0	0	0	0	0	9
17-B-214&AA1_Eq	Route Segment 214-Alternative Alignment 1 Equivalent ⁽¹⁾	Region B	1.9	0	0	0	0	1	36
37-C-AA2	Alternative Alignment 2	Region C	0.3	0	0	0	0	0	0
37-C-AA2_Eq	Alternative Alignment 2 Equivalent	Region C	0.3	0	0	0	0	0	0
38-G-AA3	Alternative Alignment 3	Region G	0.3	0	0	0	0	0	0
38-G-AA3_Eq	Alternative Alignment 3 Equivalent	Region G	0.2	0	0	0	0	0	0
39-B-AA4	Alternative Alignment 4	Region B	0.5	0	0	0	0	0	0
39-B-AA4_Eq	Alternative Alignment 4 Equivalent	Region B	0.6	0	0	0	0	0	0

(1) Applicant's route width differs from the assumed route width. Route width is assumed both the assumed route width (top) and the applicant's route width (bottom).

Appendix E Route Alternatives Data Analysis Tables - Alternative Alignments

				Rare and Unique Natural Resources				Rare and Unique Natural Resources							
Route Segment / Equivalent	Alternative Alignment / Equivalent	Region	Length (mi)	State Threatened or Endangered Species		Sites of Biodiversity Significance		Native Plant Communities		Railroad Rights-of-way Prairie		Prairie Bank Easements		Lakes of Biological Significance	
				Count within ROW	Count within route width	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)	Area within ROW (ac)	Area within route width (ac)
17-B-AA1	Alternative Alignment 1	Region B	1.9	0	0	13	96	< 1	1	0	0	0	12	0	0
17-B-214&AA1_Eq	Route Segment 214-Alternative Alignment 1 Equivalent ⁽¹⁾	Region B	1.9	0	0	10	221	0	1	0	0	12	122	0	0
37-C-AA2	Alternative Alignment 2	Region C	0.3	0	0	0	0	0	0	0	0	0	0	0	0
37-C-AA2_Eq	Alternative Alignment 2 Equivalent	Region C	0.3	0	0	0	0	0	0	0	0	0	0	0	0
38-G-AA3	Alternative Alignment 3	Region G	0.3	0	0	0	0	0	0	0	0	0	0	0	0
38-G-AA3_Eq	Alternative Alignment 3 Equivalent	Region G	0.2	0	0	0	0	0	0	0	0	0	0	0	0
39-B-AA4	Alternative Alignment 4	Region B	0.5	0	0	0	0	0	0	0	0	0	0	0	0
39-B-AA4_Eq	Alternative Alignment 4 Equivalent	Region B	0.6	0	0	0	0	0	0	0	0	0	0	0	0

(1) Applicant's route width differs from the assumed route width. Route width is assumed both the assumed route width (top) and the applicant's route width (bottom).