

Illinois Rivers Transmission Line Project

Environmental Assessment Summary

Route Alternative	Analysis Corridor Width (Feet)	Analysis Corridor Length (Miles)	Analysis Corridor Area (Acres)	Land Use <sup>1</sup>																							
				Barren Land		Cultivated Crops		Deciduous Forest		Developed, High Intensity		Developed, Low Intensity		Developed, Medium Intensity		Developed, Open Space		Emergent Herbaceous Wetlands		Grassland/Herbaceous		Open Water		Pasture/Hay		Woody Wetlands	
				(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)
MZK - MCPO MZK from Sulphur Spring	500	69.2	4192.8	0.0	0.0	3807.1	90.8	126.7	3.0	0.0	0.0	64.4	1.5	1.2	0.0	123.3	2.9	0.0	0.0	13.0	0.0	1.3	0.0	50.9	1.2	4.8	0.1
MZK-1 - MCPO MZK from Staff Option #1	500	70.7	4376.9	0.0	0.0	3978.1	90.9	105.8	2.4	0.0	0.0	65.3	1.5	1.2	0.0	156.4	3.6	0.0	0.0	13.0	0.3	1.3	0.0	50.9	1.2	4.8	0.1
MZK-2 - MCPO MZK from Staff Option #2	500	70.2	4309.9	0.0	0.0	3920.7	91.0	105.8	2.5	0.0	0.0	63.0	1.5	1.2	0.0	149.1	3.5	0.0	0.0	13.0	0.3	1.3	0.0	50.9	1.2	4.8	0.1
CFT - Channon Family Trust from Sulphur Spring	500	66.2	3991.1	0.0	0.0	3397.6	85.1	159.2	4.0	0.0	0.0	167.1	4.2	3.4	0.1	187.4	4.7	0.0	0.0	1.0	0.0	8.5	0.2	61.9	1.6	4.9	0.1
CFT-1 - Channon Family Trust from Staff Option #1	500	61.1	3372.8	0.0	0.0	2860.3	84.8	138.3	4.1	0.0	0.0	150.1	4.5	3.4	0.1	144.4	4.3	0.0	0.0	1.0	0.0	8.5	0.3	61.9	1.8	4.9	0.1
CFT-2 - Channon Family Trust from Staff Option #2	500	61.9	3470.6	0.0	0.0	2949.5	85.0	138.3	4.0	0.0	0.0	152.4	4.4	3.4	0.1	150.5	4.3	0.0	0.0	1.0	0.0	8.5	0.2	61.9	1.8	4.9	0.1
ATXIA - ATXI Alternate from Sulphur Spring	500	66.4	4022.6	0.0	0.0	3374.3	83.9	128.9	3.2	0.0	0.0	174.9	4.3	3.6	0.1	272.0	6.8	0.0	0.0	3.4	0.0	4.6	0.1	53.4	1.3	7.6	0.2
ATXIA-1 - ATXI Alternate from Staff Option #1	500	66.2	3994.7	0.0	0.0	3382.5	84.7	90.1	2.3	0.0	0.0	173.1	4.3	3.6	0.1	287.2	7.2	0.0	0.0	2.2	0.1	4.6	0.1	45.7	1.1	5.7	0.1
ATXI-2 - ATXI Alternate from Staff Option #2	500	65.6	3927.8	0.0	0.0	3325.2	84.7	90.1	2.3	0.0	0.0	170.8	4.3	3.6	0.1	280.0	7.1	0.0	0.0	2.2	0.1	4.6	0.1	45.7	1.2	5.7	0.1

<sup>1</sup>National Land Cover Data - 2001

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MISCELLANEOUS FEATURES, ARCHAEOLOGICAL SITES, HYDRIC AND PRIME FARMLAND																																										
Route Alternative	Analysis Corridor Width (Feet)	Analysis Corridor Length (Miles)	Analysis Corridor Area (Acres)	Airports (No.)	VOR <sup>1</sup> (No.)	IL Drop Zone Loctions (No.)	Antenna (No.)	Cemetery (No.)	Church (No.)	Hospital (No.)	Nursing Home (No.)	Schools (No.)	Golf Courses (No.)	Center Pivots (No.)	IL Aggregate Pit (No.)	Local Parks from ESRI			Sink Holes			IL Superfund Sites (No.)	IL Coal Mine Points (No.)	IL Coal Mine Polygons (No.)	IL Gas Well (No.)	IL Oil Wells (No.)	IL Water Wells (No.)	IL Fault Lines (No.)	IL/Foreign Gas Distribution Lines (No.)	National Register Historic Places (No.)	Known Historic Structures (No.)	Known Archaeological Sites			Archaeological Historic			Scenic Byways (No.)	Hydric Soils		Prime Farmland	
																(No.)	(Acres)	(Percent)	(No.)	(Acres)	(Percent)											(No.)	(Acres)	(Percent)	(No.)	(Acres)	(Percent)		(No.)	(Acres)	(Percent)	(Acres)
MZK - MCPO MZK from Sulphur Spring	500	69.2	4192.8	0	0	0	0	0	0	0	0	2	0	0	0	1	2.5	0.1	0	0.0	0.0	0	0	0	1	9	0	17	0	0	0	3	3.5	0.1	0	0.0	0.0	0	2062.0	49.2	1773.3	42.3
MZK-1 - MCPO MZK from Staff Option #1	500	70.7	4376.9	0	0	0	0	0	0	0	0	1	0	0	0	1	2.5	0.1	0	0.0	0.0	0	0	0	1	9	0	17	0	0	3	3.5	0.1	0	0.0	0.0	0	2277.9	52.0	1792.0	40.9	
MZK-2 - MCPO MZK from Staff Option #2	500	70.2	4309.9	0	0	0	0	0	0	0	0	1	0	0	0	1	2.5	0.1	0	0.0	0.0	0	0	0	1	9	0	17	0	0	3	3.5	0.1	0	0.0	0.0	0	2222.0	51.6	1780.9	41.3	
CFT - Channon Family Trust from Sulphur Spring	500	66.2	3991.1	0	0	0	0	0	0	0	0	4	0	0	0	0	0.0	0.0	0	0.0	0.0	0	0	1	7	8	0	12	0	0	0	0.0	0.0	0	0.0	0.0	0	1837.5	46.0	1893.5	47.4	
CFT-1 - Channon Family Trust from Staff Option #1	500	61.1	3372.8	0	0	0	0	0	0	0	0	3	0	0	0	0	0.0	0.0	0	0.0	0.0	0	0	1	7	4	0	12	0	0	0	0.0	0.0	0	0.0	0.0	0	1479.6	43.9	1683.6	49.9	
CFT-2 - Channon Family Trust from Staff Option #2	500	61.9	3470.6	0	0	0	0	0	0	0	0	3	0	0	0	0	0.0	0.0	0	0.0	0.0	0	0	1	7	4	0	12	0	0	0	0.0	0.0	0	0.0	0.0	0	1560.1	45.0	1700.9	49.0	
ATXIA - ATXI Alternate from Sulphur Spring	500	66.4	4022.6	0	0	0	0	0	0	0	0	2	0	0	0	0	0.0	0.0	0	0.0	0.0	0	0	0	7	8	0	16	0	0	1	0.0	0.0	0	0.0	0.0	0	1916.4	47.6	1881.9	46.8	
ATXIA-1 - ATXI Alternate from Staff Option #1	500	66.2	3994.7	0	0	0	0	0	0	0	0	2	0	0	0	0	0.0	0.0	0	0.0	0.0	0	0	0	7	8	0	16	0	0	1	0.0	0.0	0	0.0	0.0	0	2046.7	51.2	1807.7	45.3	
ATXI-2 - ATXI Alternate from Staff Option #2	500	65.6	3927.8	0	0	0	0	0	0	0	0	2	0	0	0	0	0.0	0.0	0	0.0	0.0	0	0	0	7	8	0	16	0	0	1	0.0	0.0	0	0.0	0.0	0	1990.8	50.7	1796.5	45.7	

<sup>1</sup>A VOR (Very high frequency Omni-directional Range) facility is an air navigation aid



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Environmental Assessment Summary								
PROXIMITY TO EXISTING RESIDENTIAL AND NON-RESIDENTIAL STRUCTURES								
Route Alternative	Residential Structure Type				Non Residential Structure Type			
	Categorical Disitance from Anticipated Alignment (feet)							
	0-75	75-150	150-300	300-500	0-75	75-150	150-300	300-500
MZK - MCPO MZK from Sulphur Spring	0	2	5	9	0	2	8	41
MZK-1 - MCPO MZK from Staff Option #1	0	0	5	7	0	5	13	39
MZK-2 - MCPO MZK from Staff Option #2	0	0	5	7	0	5	13	39
CFT - Channon Family Trust from Sulphur Spring	0	11	12	12	6	21	45	67
CFT-1 - Channon Family Trust from Staff Option #1	0	9	12	10	6	18	40	65
CFT-2 - Channon Family Trust from Staff Option #2	0	9	12	10	6	18	40	65
ATXIA - ATXI Alternate from Sulphur Spring	0	13	14	17	8	22	59	69
ATXIA-1 - ATXI Alternate from Staff Option #1	0	13	14	15	8	21	57	68
ATXI-2 - ATXI Alternate from Staff Option #2	0	13	14	15	8	21	57	68