

Illinois Rivers Transmission Line Project																											
Route Comparison Summary																											
Land Use <sup>1</sup>																											
Portion of Project	Analysis Corridor Width (Feet)	Analysis Corridor Length (Miles)	Analysis Corridor Area <sup>2</sup> (Acres)	Barren Land (Rock/Sand/Clay)		Cultivated Crops		Deciduous Forest		Developed, High Intensity		Developed, Low Intensity		Developed, Medium Intensity		Developed, Open Space		Emergent Herbaceous Wetlands		Grassland/Heraceous		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)
Meredosia to Pawnee Primary	500	68.9	4145.4	0.0	0.0%	3150.9	76.0%	457.4	11.0%	1.3	0.0%	143.9	3.5%	9.5	0.2%	134.8	3.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	238.0	5.7%	9.6	0.2%
Meredosia to Pawnee Alternate	500	76.0	4606.4	0.0	0.0%	3474.0	75.4%	446.3	9.7%	1.3	0.0%	167.4	3.6%	18.2	0.4%	145.4	3.2%	0.0	0.0%	0.0	0.0%	0.6	0.0%	342.0	7.4%	11.2	0.2%
Pawnee to Pana Primary	500	36.1	2193.4	0.0	0.0%	1872.6	85.4%	42.2	1.9%	0.0	0.0%	40.9	1.9%	0.0	0.0%	208.8	9.5%	0.0	0.0%	0.0	0.0%	0.0	0.0%	28.9	1.3%	0.0	0.0%
Pawnee to Pana Alternate 1	500	40.7	2423.0	0.0	0.0%	1874.4	77.4%	24.7	1.0%	0.0	0.0%	83.7	3.5%	0.0	0.0%	421.7	17.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	18.6	0.8%	0.0	0.0%
Pawnee to Pana Alternate 2	500	34.6	2063.0	0.0	0.0%	1806.4	87.6%	72.2	3.5%	0.0	0.0%	38.8	1.9%	0.0	0.0%	97.5	4.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%	41.0	2.0%	7.0	0.3%
Pana to Mt. Zion Primary	500	35.4	2117.1	0.0	0.0%	1916.1	90.5%	21.6	1.0%	0.8	0.0%	49.2	2.3%	4.4	0.2%	85.9	4.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	35.3	1.7%	3.6	0.2%
Pana to Mt. Zion Alternate	500	38.6	2339.9	0.0	0.0%	2031.7	86.8%	31.0	1.3%	0.0	0.0%	28.3	1.2%	0.0	0.0%	217.0	9.3%	0.0	0.0%	6.0	0.3%	0.0	0.0%	25.9	1.1%	0.0	0.0%
Mt. Zion to Kansas Primary	500	68.3	4137.5	0.0	0.0%	3585.2	86.6%	104.6	2.5%	0.0	0.0%	148.7	3.6%	1.7	0.0%	224.8	5.4%	0.0	0.0%	0.3	0.0%	9.8	0.2%	59.3	1.4%	3.2	0.1%
Mt. Zion to Kansas Alternate	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	0.1%	4.6	0.1%	53.4	1.3%	7.6	0.2%
Mt. Zion to Kansas ATXI-MCPO Stipulated Route	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	0.3%	1.3	0.0%	50.9	1.2%	4.8	0.1%

MISCELLANEOUS FEATURES, ARCHAEOLOGICAL SITES, HYDRIC SOILS, PRIMAÆ FARMLAND

Portion of Project	Analysis Corridor Width (Feet)	Analysis Corridor Length (Miles)	Analysis Corridor Area <sup>2</sup> (Acres)	Airports (No.)	Vor <sup>3</sup> (No.)	IL Drop Zone Locations (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 Wells (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 Site			Archaeological Historic Districts			Scenic Byways (No.)	Hydric Soil		Prime Farmland										
																(No.)	(Acres)	(Percent)	(No.)	(Acres)	(Percent)											(No.)	(Acres)	(Percent)	(No.)	(Acres)	(Percent)		(No.)	(Acres)	(Percent)	(No.)	(Acres)	(Percent)	(No.)	(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)
Meredosia to Pawnee Primary	500	68.9	4145.4	0	0	0	0	0	0	0	0	0	0	0	1	0	0.0	0.0%	0	0.0	0.0%	0	0	2	0	0	5	0	16	0	0	3	2.0	0.0%	0	0.0	0.0%	1	722.2	17.4%	2157.3	52.0%									
Meredosia to Pawnee Alternate	500	76.0	4606.4	0	0	0	0	1	0	0	0	2	0	0	1	0	0.0	0.0%	0	0.0	0.0%	0	1	4	0	0	2	0	15	0	0	5	12.7	0.3%	0	0.0	0.0%	1	897.7	19.5%	2365.3	51.3%									
Pawnee to Pana Primary	500	36.1	2193.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0%	0	0.0	0.0%	0	0	7	0	0	1	0	17	0	0	1	0.7	0.0%	0	0.0	0.0%	0	782.2	35.7%	1059.4	48.3%									
Pawnee to Pana Alternate 1	500	40.7	2423.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0%	0	0.0	0.0%	0	0	6	0	0	1	0	18	0	0	1	0.7	0.0%	0	0.0	0.0%	0	878.8	36.3%	1155.8	47.7%									
Pawnee to Pana Alternate 2	500	34.6	2063.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0%	0	0.0	0.0%	0	0	6	0	0	0	0	3	0	0	0	0.0	0.0%	0	0.0	0.0%	0	630.4	30.6%	1118.8	54.2%									
Pana to Mt. Zion Primary	500	35.4	2117.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0%	0	0.0	0.0%	0	0	1	0	21	1	0	12	0	0	0	0.0	0.0%	0	0.0	0.0%	0	890.6	42.1%	1060.5	50.1%									
Pana to Mt. Zion Alternate	500	38.6	2339.9	0	0	0	0	0	0	0	0	1	0	0	0	0	0.0	0.0%	0	0.0	0.0%	0	0	5	0	0	0	5	0	0	2	2.4	0.1%	0	0.0	0.0%	0	1076.4	46.0%	1025.8	43.8%										
Mt. Zion to Kansas Primary	500	68.3	4137.5	0	0	0	0	1	0	0	0	2	0	0	0	0	0.0	0.0%	0	0.0	0.0%	0	0	0	1	0	2	0	18	0	0	0	0.0	0.0%	0	0.0	0.0%	0	1999.9	48.3%	1904.5	46.0%									
Mt. Zion to Kansas Alternate	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	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%									
Mt. Zion to Kansas ATXI-MCPO Stipulated Route	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	0	1	9	0	17	0	0	3	3.5	0.0%	0	0.0	0.0%	0	2062.0	49.2%	1773.3	42.3%									



PROXIMITY TO EXISTING RESIDENTIAL AND NON- RESIDENTIAL STRUCTURES								
Portion of Project	Residential Structure Type <sup>6</sup>				Non-Residential Structure Type <sup>6</sup>			
	Categorical Distance from Anticipated Alignment (feet)							
	0-75	75-150	150-300	300-500	0-75	75-150	150-300	300-500
Meredosia to Pawnee Primary	0	4	10	22	2	12	35	68
Meredosia to Pawnee Alternate	0	9	19	14	8	28	50	85
Pawnee to Pana Primary	0	6	4	4	2	9	35	26
Pawnee to Pana Alternate 1	0	11	10	6	7	19	54	49
Pawnee to Pana Alternate 2	0	7	2	8	2	5	19	30
Pana to Mt. Zion Primary	0	1	7	9	1	5	27	34
Pana to Mt. Zion Alternate	0	2	5	3	1	4	18	15
Mt. Zion to Kansas Primary	0	11	6	11	0	23	48	53
Mt. Zion to Kansas Alternate	0	13	14	17	8	22	59	69
Mt. Zion to Kansas ATXI-MCPO Stipulated Route	0	2	5	9	0	2	8	41

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

<sup>2</sup> The corridor acres value was derived in GIS and may conservatively encompass additional acreage at either end of each route. Estimating corridor acreage based on corridor length and width values as provided herein may result in a slightly different value.

<sup>3</sup> A VOR (Very high frequency Omni-directional Range) facility is an air navigation aide.

<sup>4</sup> Wetlands include publicly available National Wetland Inventory (NWI) wetlands.

<sup>5</sup> Wooded areas are from National Land Cover Data 2001 and includes deciduous forests and wooded wetlands.

<sup>6</sup> Structure types were identified based on aerial interpretation and field reconnaissance.