

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)
River to Quincy Primary	500	5.3	326.7	2.7	0.8%	182.6	55.9%	53.3	16.3%	0.6	0.2%	15.7	4.8%	3.7	1.1%	7.1	2.2%	8.9	2.7%	0.0	0.0%	17.0	5.2%	9.8	3.0%	25.4	7.8%
River to Quincy Alternate	500	6.3	385.9	4.5	1.2%	184.5	47.8%	46.6	12.1%	1.7	0.4%	30.7	8.0%	18.0	4.7%	16.9	4.4%	6.6	1.7%	0.0	0.0%	18.1	4.7%	22.2	5.7%	36.0	9.3%
Quincy to Meredosia Primary	500	48.5	2942.6	0.6	0.0%	1127.0	38.3%	804.4	27.3%	2.3	0.1%	163.6	5.6%	100.9	3.4%	80.8	2.7%	4.2	0.1%	1.6	0.1%	8.7	0.3%	582.8	19.8%	65.7	2.2%
Quincy to Meredosia Alternate	500	48.5	2939.3	0.9	0.0%	1273.9	43.3%	756.3	25.7%	2.8	0.1%	105.0	3.6%	12.8	0.4%	58.8	2.0%	0.0	0.0%	5.4	0.2%	16.2	0.6%	646.5	22.0%	60.6	2.1%
Quincy to Meredosia Segment Option 1	500	1.0	66.8	0.0	0.0%	27.0	40.4%	21.0	31.4%	0.0	0.0%	1.1	1.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	17.7	26.5%	0.0	0.0%
Quincy to Meredosia Segment Option 2	500	1.0	66.7	0.0	0.0%	28.8	43.2%	3.1	4.6%	0.0	0.0%	7.5	11.2%	0.0	0.0%	7.6	11.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	19.7	29.6%	0.0	0.0%
Quincy to Meredosia Segment Option 3	500	1.0	66.8	0.0	0.0%	4.1	6.1%	22.6	33.8%	0.0	0.0%	3.7	5.5%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	36.5	54.6%	0.0	0.0%
Meredosia to Ipava Primary	500	50.2	3038.4	0.6	0.0%	1151.9	37.9%	1312.2	43.2%	2.8	0.1%	138.4	4.6%	7.9	0.3%	83.3	2.7%	1.1	0.0%	6.4	0.2%	20.4	0.7%	242.2	8.0%	71.3	2.3%
Meredosia to Ipava Alternate	500	48.6	2944.6	0.0	0.0%	1583.2	53.8%	770.4	26.2%	0.0	0.0%	100.1	3.4%	13.3	0.5%	96.9	3.3%	37.1	1.3%	1.7	0.1%	29.2	1.0%	224.0	7.6%	88.6	3.0%
Meredosia to Ipava Segment Option 1	500	0.7	45.3	0.0	0.0%	1.5	3.3%	39.5	87.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	2.0	4.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	2.4	5.2%
Meredosia to Ipava Segment Option 2	500	4.0	245.4	0.0	0.0%	124.0	50.6%	100.5	41.0%	0.0	0.0%	5.0	2.0%	0.0	0.0%	1.4	0.6%	0.0	0.0%	0.0	0.0%	0.7	0.3%	13.7	5.6%	0.0	0.0%
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%
Meredosia to Pawnee Segment Option 1	500	15.7	953.1	0.0	0.0%	515.8	54.1%	96.0	10.1%	1.8	0.2%	83.6	8.8%	93.6	9.8%	58.6	6.1%	0.6	0.1%	7.4	0.8%	0.0	0.0%	44.2	4.6%	51.5	5.4%
Meredosia to Pawnee Segment Option 2	500	11.4	697.7	0.0	0.0%	586.4	84.0%	5.0	0.7%	0.0	0.0%	36.5	5.2%	0.0	0.0%	36.9	5.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	32.9	4.7%	0.0	0.0%
Meredosia to Pawnee Segment Option 3	500	4.3	262.0	0.0	0.0%	238.8	91.1%	0.0	0.0%	0.0	0.0%	10.7	4.1%	0.6	0.2%	2.4	0.9%	0.0	0.0%	0.0	0.0%	0.0	0.0%	9.4	3.6%	0.0	0.0%
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%
Pawnee to Pana Segment Option 1	500	3.5	218.1	0.0	0.0%	201.3	92.3%	4.9	2.2%	0.0	0.0%	2.4	1.1%	0.0	0.0%	6.2	2.8%	0.0	0.0%	0.0	0.0%	0.0	0.0%	3.3	1.5%	0.0	0.0%
Pawnee to Pana Segment Option 2	500	1.3	81.2	0.0	0.0%	77.1	94.9%	0.0	0.0%	0.0	0.0%	1.1	1.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	3.0	3.7%	0.0	0.0%
Pawnee to Pana Segment Option 3	500	1.9	120.6	0.0	0.0%	88.1	73.0%	0.0	0.0%	0.0	0.0%	5.8	4.8%	0.0	0.0%	26.8	22.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
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%
Pana to Mt. Zion Segment Option 1	500	2.8	172.9	0.0	0.0%	109.9	63.6%	0.0	0.0%	0.0	0.0%	5.4	3.1%	0.0	0.0%	36.8	21.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	20.8	12.0%	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 Segment Option 1	500	1.5	97.0	0.0	0.0%	92.5	95.4%	0.0	0.0%	0.0	0.0%	1.6	1.7%	0.0	0.0%	1.7	1.8%	0.0	0.0%	0.0	0.0%	1.1	1.2%	0.0	0.0%	0.0	0.0%
Mt. Zion to Kansas Segment Option 2	500	3.0	187.8	0.0	0.0%	157.2	83.7%	0.6	0.3%	0.0	0.0%	11.6	6.2%	0.0	0.0%	18.4	9.8%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Mt. Zion to Kansas Segment Option 3	500	2.0	125.8	0.0	0.0%	107.0	85.1%	0.0	0.0%	0.0	0.0%	10.9	8.7%	0.0	0.0%	7.9	6.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Mt. Zion to Kansas Segment Option 4	500	3.6	219.7	0.0	0.0%	213.7	97.3%	0.0	0.0%	0.0	0.0%	1.8	0.8%	0.0	0.0%	4.1	1.9%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Mt. Zion to Kansas Segment Option 5	500	0.5	35.6	0.0	0.0%	27.2	76.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	8.4	23.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Mt. Zion to Kansas Segment Option 6	500	2.5	158.2	0.0	0.0%	129.2	81.7%	25.1	15.9%	0.0	0.0%	1.1	0.7%	0.0	0.0%	2.7	1.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Mt. Zion to Kansas Segment Option 7	500	1.0	66.9	0.0	0.0%	64.7	96.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	2.2	3.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Kansas to Sugar Creek Primary	500	36.9	2239.1	0.0	0.0%	1481.7	66.2%	545.8	24.4%	0.0	0.0%	17.8	0.8%	0.8	0.0%	113.8	5.1%	0.0	0.0%	8.8	0.4%	1.1	0.1%	63.8	2.8%	5.5	0.2%
Kansas to Sugar Creek Alternate	500	33.4	2024.0	0.0	0.0%	1254.3	62.0%	523.1	25.8%	0.0	0.0%	24.7	1.2%	1.1	0.1%	127.6	6.3%	0.0	0.0%	42.0	2.1%	0.0	0.0%	51.1	2.5%	0.0	0.0%
Kansas to Sugar Creek Segment Option 1	500	1.0	65.6	0.0	0.0%	62.6	95.4%	1.3	1.9%	0.0	0.0%	0.2	0.3%	0.0	0.0%	1.5	2.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Kansas to Sugar Creek Segment Option 2	500	1.0	66.0	0.0	0.0%	64.6	98.0%	0.0	0.0%	0.0	0.0%	0.8	1.3%	0.0	0.0%	0.5	0.8%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Kansas to Sugar Creek Segment Option 3	500	10.6	644.7	0.0	0.0%	418.0	64.8%	75.1	11.6%	0.0	0.0%	23.2	3.6%	0.0	0.0%	118.3	18.3%	0.0	0.0%	2.7	0.4%	0.0	0.0%	7.3	1.1%	0.0	0.0%
Kansas to Sugar Creek Segment Option 4	500	0.7	49.9	0.0	0.0%	34.1	68.3%	5.2	10.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	10.6	21.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Sidney to Rising Primary	500	24.3	1479.1	0.0	0.0%	1416.9	95.8%	0.6	0.0%	0.0	0.0%	25.7	1.7%	4.0	0.3%	32.0	2.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Sidney to Rising Alternate	500	35.1	2130.8	0.0	0.0%	1878.6	88.2%	0.0	0.0%	0.0	0.0%	124.7	5.9%	19.6	0.9%	88.1	4.1%	0.0	0.0%	1.2	0.1%	5.0	0.2%	13.6	0.6%	0.0	0.0%
Sidney to Rising Segment Option 1	500	2.7	167.8	0.0	0.0%	162.0	96.5%	0.0	0.0%	0.0	0.0%	0.4	0.2%	0.0	0.0%	4.8	2.9%	0.0	0.0%	0.7	0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%





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
River to Quincy Primary	0	0	2	3	0	1	6	16
River to Quincy Alternate	0	1	6	1	0	5	7	9
Quincy to Meredosia Primary	0	6	11	10	1	14	44	80
Quincy to Meredosia Alternate	0	18	11	9	6	38	80	72
Quincy to Meredosia Segment Option 1	0	0	0	0	0	0	0	1
Quincy to Meredosia Segment Option 2	0	0	0	0	0	0	0	0
Quincy to Meredosia Segment Option 3	0	0	0	0	0	0	0	0
Meredosia to Ipava Primary	0	3	9	9	3	15	50	37
Meredosia to Ipava Alternate	0	4	16	28	1	11	50	75
Meredosia to Ipava Segment Option 1	0	0	0	0	0	0	0	0
Meredosia to Ipava Segment Option 2	0	0	0	0	1	1	1	0
Meredosia to Pawnee Primary	0	4	6	21	2	12	35	69
Meredosia to Pawnee Alternate	0	9	16	14	8	28	52	84
Meredosia to Pawnee Segment Option 1	0	0	5	4	0	0	11	25
Meredosia to Pawnee Segment Option 2	0	1	2	2	2	0	3	11
Meredosia to Pawnee Segment Option 3	0	0	0	0	0	2	0	2
Pawnee to Pana Primary	0	5	6	5	2	9	35	38
Pawnee to Pana Alternate 1	0	10	12	7	7	16	54	61
Pawnee to Pana Alternate 2	0	6	2	8	2	5	19	30
Pawnee to Pana Segment Option 1	0	0	0	0	1	0	0	0
Pawnee to Pana Segment Option 2	0	0	0	0	0	0	0	0
Pawnee to Pana Segment Option 3	0	0	0	0	0	0	0	0
Pana to Mt. Zion Primary	0	1	10	9	1	5	23	40
Pana to Mt. Zion Alternate	0	2	4	3	1	4	15	14
Pana to Mt. Zion Segment Option 1	0	0	1	2	0	3	10	4
Mt. Zion to Kansas Primary	0	12	4	12	0	19	41	46
Mt. Zion to Kansas Alternate	0	17	13	14	5	22	60	60
Mt. Zion to Kansas Segment Option 1	0	1	0	0	0	0	1	0
Mt. Zion to Kansas Segment Option 2	0	3	1	0	0	2	2	3
Mt. Zion to Kansas Segment Option 3	0	1	0	0	0	0	4	2
Mt. Zion to Kansas Segment Option 4	0	0	0	0	0	0	0	0
Mt. Zion to Kansas Segment Option 5	0	0	0	1	0	0	1	0
Mt. Zion to Kansas Segment Option 6	0	0	1	0	0	1	0	0
Mt. Zion to Kansas Segment Option 7	0	0	0	0	0	0	0	0
Kansas to Sugar Creek Primary	0	2	11	10	1	12	26	27
Kansas to Sugar Creek Alternate	0	6	5	11	0	11	31	39
Kansas to Sugar Creek Segment Option 1	0	0	0	0	0	0	1	0
Kansas to Sugar Creek Segment Option 2	0	0	0	0	0	0	0	0
Kansas to Sugar Creek Segment Option 3	0	6	16	28	0	12	43	19
Kansas to Sugar Creek Segment Option 4	0	0	0	0	0	0	0	0
Sidney to Rising Primary	0	3	5	12	0	2	12	19
Sidney to Rising Alternate	0	6	34	38	0	12	23	48
Sidney to Rising Segment Option 1	0	0	0	0	0	0	0	1

<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

<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.