



US 51 Draft Environmental Impact Statement (DEIS) Vandalia Alternative Summary Table

Design Characteristics and Environmental Resources Affected	Remaining Alternatives			
	V ALT 1	V ALT 2	V ALT 3	V ALT 4
Design Characteristics				
Length of Roadway (miles)	14.6	14.3	14.8	14.3
Right-of-Way Required for Construction (acres)	541.6	541.8	541.8	686.9
Interchanges (number)	0	0	0	3
New Impervious Area (acres)	153.5	140.0	139.0	138.6
Estimated Cost (millions)	\$180.9	\$192.2	\$185.0	\$215.9
Social/Economic Resources				
Total Residences Displaced (number)	9	25	29	38
Businesses Displaced (number)	0	1	1	2
Agricultural Resources				
Agricultural Soils (acres)	500	433	408	279
Farm Severances (by tract)	39	29	26	14
Affected Farms (number)	78	84	84	67
Total Adverse Travel between Split Farm Parcels, Based on One Round Trip for each Operator (miles)	30.6	4.8	3.3	1.4
Prime Farmland (acres)	351	284	294	210
Statewide and Local Important Farmland (acres)	120	127	97	49
Noise Impacts				
Residences, Classrooms, or Churches with Noise Impacts (number)	0	0	0	1
Natural Resources				
Forest Impacts (acres)	92	34	32	39
Large Forest Stands impacted (acres)	30.77	0.77	0.77	0.77
Protected Species Potentially Affected (number)	2	2	2	2
Special and Protected Lands				
Illinois Natural Areas Inventory Sites Affected (number/acres)	0	1/ 11.5	0	0
Water Resources/Quality				
Surface Water Crossings (number)	19	10	10	7
Private Water Wells Displaced/ Within 200 feet (number)	4/1	4/13	7/17	6/10
Floodplains				
Floodplains Crossed (feet)	0	2,415	7,750	9,410
Floodplains Crossed (number)	0	2	2	2
Wetlands				
Wetland Impact (acres)	1.3	2.6	15.2	4.6
Wetland Impact (number)	5	9	11	14
Special Waste Sites				
Special Waste Sites Affected (number)	4	3	3	17