



# US 51 Draft Environmental Impact Statement (DEIS)

## Vandalia Alternative Impact Summary Table

Design Characteristics and Environmental Resources Affected	Remaining Alternatives			
	V ALT 1	V ALT 2	V ALT 3	V ALT 4
<b>Design Characteristics</b>				
Length of Roadway (miles)	14.6	14.3	14.8	14.3
Right-of-Way Required for Construction (acres)	804.1	761.4	760.8	760.7
Interchanges (number)	0	0	0	3
New Impervious Area (acres)	157.8	139.3	138.1	130.9
Estimated Cost (millions)	\$115.2	\$116.3	\$119.1	\$165.1
<b>Social/Economic Resources</b>				
Total Residences Displaced (number)	9	24	25	38
Businesses Displaced (number)	0	1	1	2
<b>Agricultural Resources</b>				
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	1.5
Prime Farmland (acres)	351	284	294	210
Statewide and Local Important Farmland (acres)	120	127	97	49
<b>Noise Impacts</b>				
Residences, Classrooms, or Churches with Noise Impacts (number)	0	0	0	1
<b>Natural Resources</b>				
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)	1	1	1	1
<b>Special and Protected Lands</b>				
Illinois Natural Areas Inventory Sites Affected (number/acres)	0	1/ 11.5	0	0
<b>Water Resources/Quality</b>				
Surface Water Crossings (number)	19	10	10	7
Private Water Wells Displaced/ Within 200 feet (number)	4/1	4/13	7/17	6/10
<b>Floodplains</b>				
Floodplain Crossed (feet)	0	2,415	7,750	9,410
Floodplain Crossed (number)	0	2	2	2
<b>Wetlands</b>				
Wetland Impact (acres)	1.3	2.7	15.3	4.8
Wetland Impact (number)	5	10	12	15
<b>Special Waste Sites</b>				
Special Waste Sites Affected (number)	4	3	3	17