

Conway Perimeter Road Phase II

Potential Impact Matrix

POTENTIAL IMPACTS BY ALTERNATIVE						
Impact Category	Unit	Corridor 1 BLUE	Corridor 2 YELLOW	Corridor 3 ORANGE	Corridor 4 GREEN	Corridor 5 RED
Natural Environment						
Wetland Impact *	acre	23.33	14.02	20.16	19.83	22.63
Stream Impact *	lf	1,772	3,369	1,657	1,835	1,310
Stream Crossings	unit	4 (1 named)	6 (1 named)	5 (1 named)	5 (0 named)	4 (1 named)
Floodplain Impact *	acre	3.29	1.48	0.89	0.00	2.68

**Note: Impacts are based on a 300' corridor. Alternatives within corridors will be based on 150' width.*

Property Impacts						
Potential Relocations	unit	18	53	17	16	25
Parcels Impacted	unit	46	49	59	50	107
Residential Parcels	unit	28	21	22	21	43
Farm Parcels / Other Parcels	unit	12	20	33	25	49
Commercial Parcels	unit	6	8	4	3	15
Residential Right-of-Way	acre	16.15	12.66	22.73	21.52	22.73
Farm / Other Right-of-Way	acre	36.00	40.26	44.05	55.04	87.96
Commercial Right-of-Way	acre	64.43	22.71	37.96	23.28	24.79
Total Right-of-Way	acre	73.23	78.25	104.74	99.84	135.48

Human/Social Impacts						
Church Property	unit	1	0	0	0	1
Church Structures	unit	0	0	0	0	1
Cemeteries	unit	0	0	0	0	0
Medical	unit	2	0	0	0	0
Historical Properties	unit	0	0	0	0	0
Parks/Community Recreation	unit	0	0	1	1	0

Roadway/Bridge						
Length of New Roadway	lf	10,686	12,129	15,770	15,077	12,264
Length Additional Road Improvement	lf	915	845	3,700	2,250	11,400
Bridge Length	lf	200	0	0	0	0
Box Culvert (10x12 Single)	lf	400	168	160	100	60

Roadway/Bridge Costs						
Right-of-Way Cost	dollars	\$ 3,593,593	\$ 6,057,091	\$ 2,273,224	\$ 1,990,525	\$ 4,262,921
New Roadway Cost (4mil/mile)	dollars	\$ 8,095,455	\$ 9,188,636	\$ 11,946,985	\$ 11,421,841	\$ 9,290,909
Additional Road Improvement Cost (2mil/mile)	dollars	\$ 346,591	\$ 320,076	\$ 1,401,515	\$ 852,273	\$ 4,318,182
Bridge Cost	dollars	\$ 3,360,000	\$ -	\$ -	\$ -	\$ -
Box Culvert Cost	dollars	\$ 800,000	\$ 336,000	\$ 320,000	\$ 200,000	\$ 120,000
Total Cost	dollars	\$ 16,195,638	\$ 15,901,803	\$ 15,941,724	\$ 14,464,639	\$ 17,992,012