



INNOVATIVE IDEAS
EXCEPTIONAL DESIGN
UNMATCHED CLIENT SERVICE

Croft Road Corridor Study
Analysis & Recommendations Report

Appendix 7: Cost Estimate

Short Term Phase Recommendations		COST	Contingency 20%	Engineering 15%	Total
1)	Trail Crossing Warning Signs (2)	\$700	\$140	\$105	\$950
2)	Ped/Bicyclist-share the Road combination Signs (2)	\$700	\$140	\$105	\$950
3)	Deer Crossing Warning Signs (2)	\$570	\$114	\$86	\$800
4)	Clearing & Grubbing (sight distance along Croft north of Robert Eastman Road)	\$1,000	\$200	\$150	\$1,400
5)	Catch Basin Grate Cover	\$250	\$50	\$38	\$340
TOTAL =		\$3,220	\$644	\$484	\$4,440
5)	Install Rectangular Rapid Flashing Beacon at trail crossing (solar-2)	\$21,000	\$4,200	\$3,150	\$28,400
TOTAL =		\$21,000	\$4,200	\$3,150	\$28,400
6)	Install Flash Alert system at trail crossing (solar-2)	\$26,000	\$5,200	\$3,900	\$36,000
TOTAL =		\$26,000	\$5,200	\$3,900	\$36,000

Medium Term Phase Recommendations		COST	Contingency 20%	Engineering 15%	Total
2)	Widen Croft Road to include 5' paved shoulders	\$305,000	\$61,000	\$45,750	\$412,000
3)	Bike Lane signs (10), Bike Symbol Pavement Markings (10), & No Parking signs (2)	\$7,300	\$1,460	\$1,095	\$10,000
4)	Replace guardrail anchor assemblies	\$3,500	\$700	\$525	\$4,800
5)	Sidewalk along Overlook Drive	\$18,000	\$3,600	\$2,700	\$24,300
6)	Lengthen Westbound Left-Turn Lane at Croft & S.R. 4	\$53,000	\$10,600	\$7,950	\$72,000
7)	New Catch Basin along Croft Road (Between Old Columbus & Robert Eastman)	\$2,000	\$400	\$300	\$2,700
8)	Pavement Markings along Croft Road (Thermoplastic and Epoxy; includes centerline & edgelines)	\$14,000	\$2,800	\$2,100	\$19,000
TOTAL =		\$402,800	\$80,560	\$60,420	\$544,800
9)	Realignment A - Eastbound/Westbound Left-Turn Lanes at Croft & S.R. 4	\$27,000	\$5,400	\$4,050	\$37,000
TOTAL =		\$27,000	\$5,400	\$4,050	\$37,000
10)	Realignment B - Eastbound/Westbound Left-Turn Lanes at Croft & S.R. 4	\$66,000	\$13,200	\$9,900	\$90,000
TOTAL =		\$66,000	\$13,200	\$9,900	\$90,000
11)	Alternative 1 - Southbound Left-Turn Lane at Croft & Robert Eastman	\$66,000	\$13,200	\$9,900	\$90,000
TOTAL =		\$66,000	\$13,200	\$9,900	\$90,000
12)	Alternative 2 - Southbound Left-Turn Lane at Croft & Robert Eastman	\$86,000	\$17,200	\$12,900	\$117,000
TOTAL =		\$86,000	\$17,200	\$12,900	\$117,000
13)	Alternative A - 3-Way Stop Control at Croft & Old Columbus	\$1,300	\$260	\$195	\$1,800
TOTAL =		\$1,300	\$260	\$195	\$1,800
14)	Alternative B - Southbound Dedicated Right-Turn Lane at Croft & Old Columbus (Existing Traffic	\$15,000	\$3,000	\$2,250	\$20,300
TOTAL =		\$15,000	\$3,000	\$2,250	\$20,300
15)	Alternative C - 3-Legged Roundabout at Croft & Old Columbus*	\$250,000	\$50,000	\$37,500	\$337,500
TOTAL =		\$250,000	\$50,000	\$37,500	\$337,500

*Roundabout cost does not include Right-of-Way costs

Medium Term Phase Recommendations		COST	Contingency & Inflation 50%	Total
16)	Bridge Rehabilitation Costs (Including Bridge Deck Edge & Approach Slabs)	\$126,800	\$63,400	\$200,000
TOTAL =		\$126,800	\$63,400	\$200,000