

Evaluation Matrix



Evaluation Criteria	No-Build Alternative	Jefferson Avenue/Placid Lakes Boulevard to West of Monroe Street (Segment A)		West of Monroe Street to Ekhoﬀ Lane (Segment B)	Ekhoﬀ Lane to County Road 29 (Segment C)	
		Option A1	Option A2	Option B	Option C1	Option C2
Option						
Centerline Length of Improvement (miles)	N/A	2.1	2.1	2.8	2.2	2.2
Business Impacts						
Number of business relocations	0	0	0	1	1	1
Residential Impacts						
Number of residential relocations	0	0	0	0	2	2
Environmental Effects						
Archaeological/Historical sites (potential)	None	Low-Moderate	Low-Moderate	Low	Low-Moderate	Low-Moderate
Public parks, recreation areas, or wildlife refuges	0	48.27	7.98	2.61	0	0
Noise (potential)	0	0	0	0	2	2
Wetland (acres)	0	9.14	16.40	5.60	5.81	6.10
Floodplains (acres)	0	11.24	22.56	6.35	0.58	0.58
Threatened and endangered species (potential)	None	High	High	High	High	High
Contamination sites (high / medium)	0/0	0 /2	0/5	1/11	0/6	0/6
Right-of-Way Needs						
Right-of-way to be acquired for roadway (acres)	0	48.3	50.5	0.4	13.2	16.3
Right-of-way to be acquired for stormwater facilities (acres)	0	0.0	0.0	11.4	9.4	9.1
Right-of-way to be acquired for floodplain compensation (acres)	0	1.5	15.9	3.8	0.6	0.6
Total Right-of-Way (acres)	0.0	49.8	66.4	15.6	23.1	25.9
Estimated Total Project Costs (2017 Cost)						
Wetland Mitigation	\$0	\$1,080,759	\$1,939,218	\$662,172	\$687,003	\$721,295
Right-of-way acquisition for roadway	\$0	\$696,000	\$1,171,000	\$336,000	\$1,196,500	\$1,356,500
Right-of-way acquisition for stormwater facilities	\$0	\$0	\$0	\$266,000	\$362,000	\$356,000
Right-of-way acquisition for floodplain compensation	\$0	\$150,000	\$620,000	\$195,000	\$48,000	\$24,947
Total Right-of-Way Cost	\$0	\$846,000	\$1,791,000	\$797,000	\$1,606,500	\$1,737,447
Construction cost for roadway	\$0	\$8,986,592	\$10,073,790	\$10,450,125	\$7,126,099	\$6,445,030
Construction cost for stormwater facilities	\$0	\$181,810	\$143,330	\$403,757	\$454,199	\$454,199
Construction cost for floodplain compensation	\$0	\$90,886	\$236,513	\$49,248	\$77,619	\$77,619
Total Construction Cost	\$0	\$9,259,288	\$10,453,633	\$10,903,130	\$7,657,917	\$6,976,848
Design	\$0	\$925,929	\$1,045,363	\$1,090,313	\$765,792	\$697,685
Construction Engineering & Inspection (15% of the Total Construction Cost)	\$0	\$1,388,893	\$1,568,045	\$1,635,470	\$1,148,688	\$1,046,527
Preliminary Estimate of Engineering Cost	\$0	\$2,314,822	\$2,613,408	\$2,725,783	\$1,914,479	\$1,744,212
Preliminary Total Cost	\$0	\$13,500,869	\$16,797,259	\$15,088,085	\$11,865,900	\$11,179,802