

ALTERNATIVES COMPARISON MATRIX

PROJECT PARAMETERS		Unit of Measure	Alternatives/Sections			
			No Build	Alternative 1	Alternative 2	Alternative 3
General Description			Continue roadway maintenance	Roadway reconstruction with independent “off-road” multi-use path	Roadway reconstruction with multi-use side path along Greenbag Rd.	Roadway reconstruction with sidewalk and on-road bike shoulders along Greenbag Rd.
Proposed Travel Lanes	*Existing condition shown for No Build		9’ – 10’ lanes 0’ – 3’ shoulders	2 - 12’ travel lanes 2 - 4’ paved shoulders	2 - 12’ travel lanes 2 - 4’ paved shoulders	2 - 12’ travel lanes 2 - 5’ paved shoulders
Proposed Non-motorized Accommodations	*Existing condition shown for No Build		Discontinuous 5’ sidewalk	8’ – 10’ side path along Greenbag Rd.	8’ – 10’ side path along Greenbag Rd.	5’ sidewalk, one side of roadway. 2 - 5’ on-road bicycle shoulders
Structure Improvements / Number			0/4	4/4	4/4	4/4
PRELIMINARY COST ESTIMATE						
Construction		\$	\$0	\$25,091,083	\$23,599,129	\$25,863,564
Engineering		\$	\$0	\$2,509,108	\$2,359,913	\$2,586,356
Right-of-Way		\$	\$0	\$4,300,000	\$4,300,000	\$4,300,000
Utilities		\$	\$0	\$1,690,235	\$1,690,235	\$1,690,235
TOTAL		\$	\$10,000 annually	\$33,590,426	\$31,949,277	\$34,440,155
REAL ESTATE						
Parcels Affected		Number	0	107	86	79
Permanent Right of Way Required		Acres	0	22.93	18.54	17.23
Temporary Construction Easement Required		Acres	0	0.71	0.71	0.36
TOTAL REAL ESTATE		Acres	0	23.64	19.25	17.59
LAND USE / RELOCATIONS						
Number of farms affected / total acres		Number	0	1 farm / < 0.1 acre	1 farm / < 0.1 acre	1 farm / < 0.1 acre
Total non-residential buildings acquired / demolition		Number	0	3 / 1	3 / 1	3 / 1
Housing units impacted		Number	0	0	0	0
ENVIRONMENTAL FACTORS						
Number of historic properties affected / number present		Number	0/1	0/1	0/1	0/1
Section 4(f) evaluation or determination required / resources present		Number	0/4	2/4	1/4	1/4
Section 6(f) or other unique properties present/impacted		Number	0/1	0/1	0/1	0/1
Work within Floodplain *All Aaron Creek Box Culverts and the Deckers Creek Box Beam bridge exist within 100-year floodplains for their respective waterways		Number	No	Yes	Yes	Yes
Retaining Walls proposed		Feet	N/A	625 feet	625 feet	625 feet
Threatened/Endangered species with “may affect – likely to adversely affect” determinations and/or requiring state Incidental Take Authorization		Number	0/3	0/3	0/3	0/3
Total acreage of wetlands permanently impacted / acres present		Acres	0 / 0.266	0 / 0.266	0 / 0.266	0 / 0.266
Streams impacted		Linear Feet	0/13,452	4,769 / 13,452	4,769 / 13,452	4,769 / 13,452
Section 404 Permit		Type	None	Individual	Individual	Individual
Potentially contaminated sites affected (affected/total #)		Number	0/4	3/4	2/4	2/4

Least ImpactfulMost Impactful