

SR 40 Matrix Evaluation

From west of SR 326 to SE 183rd Avenue, Marion County

	No Project	Segment 1 - 3.48 Miles		Segment 2 - 5.57 Miles								Segment 3 - 4.45 Miles									
		West of SR 326 to the west side of the Ocklawaha River Bridge		East side of the Ocklawaha River Bridge to west of CR 314A								West of CR 314A to SE 183rd Avenue									
		Rural without Multi-Use Trail	Rural with Multi-Use Trail	Rural Pavement Savings North Widening	Rural Pavement Savings South Widening	Rural Pavement Savings Optimized	Rural Pavement Savings North with Trail	Rural Pavement Savings South with Trail	Suburban Pavement Savings North Widening	Suburban Pavement Savings South Widening	Suburban Pavement Savings North with Trail	Suburban Pavement Savings South with Trail	Rural Pavement Savings North Widening	Rural Pavement Savings South Widening	Rural Pavement Savings Optimized	Rural Pavement Savings North with Trail	Rural Pavement Savings South with Trail	Suburban Pavement Savings North Widening	Suburban Pavement Savings South Widening	Suburban Pavement Savings North with Trail	Suburban Pavement Savings South with Trail
Relocations																					
Residences	0	0	0	1	1	1	2	1	1	1	2	1	7	4	4	9	8	7	5	8	5
Businesses	0	0	0	24	11	8	25	11	24	9	18	10	0	7	3	1	13	0	6	1	7
Natural, Environmental & Physical Impacts																					
US Forest Service Land Impacts (acres)	0	0	0	28.84	28.85	27.87	34.72	34.63	25.89	24.69	31.62	30.52	8.18	8.12	8.12	10.64	10.55	6.83	6.75	9.28	9.18
Office of Greenways and Trails Land Impacts (acres)	0	1.02	1.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Silver River State Park Land Impacts (acres)	0	2.68	2.68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potential Contamination Sites	0	0	0	0	1	1	0	1	0	1	0	1	1	1	1	1	1	1	1	1	1
Wetlands (acres)	0.00	1.78	1.78	6.51	5.35	6.54	8.09	5.57	13.36	10.45	15.19	11.42	0.76	2.09	2.17	1.10	2.82	0.55	2.28	0.87	3.13
Estimated Costs (in Millions)																					
Design (15% of Construction)	No Cost	\$2,787,000	\$3,044,000	\$3,052,000	\$3,052,000	\$3,052,000	\$3,273,000	\$3,273,000	\$3,353,000	\$3,353,000	\$3,550,000	\$3,550,000	\$2,342,000	\$2,342,000	\$2,342,000	\$2,497,000	\$2,497,000	\$2,803,000	\$2,803,000	\$2,928,000	\$2,928,000
Road Right of Way	No Cost	\$400,000	\$400,000	\$18,443,000	\$15,494,000	\$13,334,000	\$19,755,000	\$16,611,000	\$15,099,000	\$13,589,000	\$18,301,000	\$16,909,000	\$16,022,000	\$15,452,000	\$10,796,000	\$17,419,000	\$22,285,000	\$12,262,000	\$14,048,000	\$15,654,000	\$16,989,000
Pond Right of Way	No Cost	\$1,238,000	\$1,238,000	\$2,097,000	\$2,097,000	\$2,097,000	\$2,097,000	\$2,097,000	\$2,097,000	\$2,097,000	\$2,097,000	\$2,097,000	\$2,668,000	\$2,668,000	\$2,668,000	\$2,668,000	\$2,668,000	\$2,668,000	\$2,668,000	\$2,668,000	\$2,668,000
Wetland Mitigation	No Cost	\$171,000	\$171,000	\$625,000	\$513,000	\$628,000	\$776,000	\$534,000	\$1,282,000	\$1,003,000	\$1,458,000	\$1,096,000	\$73,000	\$201,000	\$208,000	\$106,000	\$271,000	\$53,000	\$219,000	\$83,000	\$300,000
Floodplain Compensation	No Cost	\$1,331,000	\$1,331,000	\$893,000	\$893,000	\$893,000	\$893,000	\$893,000	\$893,000	\$893,000	\$893,000	\$893,000	\$1,526,000	\$1,526,000	\$1,526,000	\$1,526,000	\$1,526,000	\$1,526,000	\$1,526,000	\$1,526,000	\$1,526,000
Roadway Construction	No Cost	\$18,580,200	\$20,295,400	\$20,347,000	\$20,347,000	\$20,347,000	\$21,818,800	\$21,818,800	\$22,351,200	\$22,351,200	\$23,668,600	\$23,668,600	\$15,615,000	\$15,615,000	\$15,615,000	\$16,647,700	\$16,647,700	\$18,686,700	\$18,686,700	\$19,520,500	\$19,520,500
CEI (10% of Construction)	No Cost	\$1,858,020	\$2,029,540	\$2,034,700	\$2,034,700	\$2,034,700	\$2,181,880	\$2,181,880	\$2,235,120	\$2,235,120	\$2,366,860	\$2,366,860	\$1,561,500	\$1,561,500	\$1,561,500	\$1,664,770	\$1,664,770	\$1,868,670	\$1,868,670	\$1,952,050	\$1,952,050
Total Cost	No Cost	\$26,365,000	\$28,509,000	\$47,492,000	\$44,431,000	\$42,386,000	\$50,795,000	\$47,409,000	\$47,310,000	\$45,521,000	\$52,334,000	\$50,580,000	\$39,808,000	\$39,366,000	\$34,717,000	\$42,528,000	\$47,559,000	\$39,867,000	\$41,819,000	\$44,332,000	\$45,884,000

- Alternatives recommended for further consideration

- Alternatives no longer being considered

Costs in this matrix are present day costs as of June 2007.
These costs will be updated throughout the life of the study.

Preliminary - Subject to Change (8-14-07)