



SR 417 SANFORD AIRPORT CONNECTOR PD&E STUDY



EVALUATION MATRIX

Evaluation Criteria	Unit of Measure	Alternatives						
		No Build	1 (Eliminated)	2	2a	3a (Eliminated)	3d (Eliminated)	4 (Viaduct) (Eliminated)
Traffic								
2050 Projected Annual Average Daily Traffic (AADT) on Connector	Vehicles per Day	0	19,800	21,900	21,900	21,900	21,900	8,900
2050 Projected AADT on E. Lake Mar Mary Boulevard West of Red Cleveland Boulevard	Vehicles per Day	36,700	21,100	19,800	19,800	19,800	19,800	29,100
Resulting Reduction in 2050 Projected AADT on E. Lake Mary Boulevard, West of Red Cleveland Boulevard	Vehicles per Day	No Reduction	-15,600 (-43%)	-16,900 (-46%)	-16,900 (-46%)	-16,900 (-46%)	-16,900 (-46%)	-7,600 (-21%)
Design								
Alternative Length	Miles	0	3.1	2.4	2.3	2.5	2.5	2
Right-of-Way Width (Varies per Alternative)	Feet	0	150	150	150	150	150-200	130 - 140
Physical								
Utility Impacts	High/Med/Low/None	None	Med	Low	Low	Low	Low	High
Contamination Sites & Facilities (Medium and High Risk Sites)	No. of Conflicts	0	0	0	0	0	0	6
Railroad Involvement	No. of Conflicts	0	0	0	0	0	0	1
Cultural Environment								
Potential Known Historic Resources	No. of Resources	0	1	0	0	0	0	0
Potential Known Historic Linear Resources (Canals/Highways/Railroads)	No. of Resources	0	1c	0	1c	1c	1c	1r
Potential Known Archaeological Resources	No. of Resources	0	0	0	0	0	0	0
Natural Environment								
Potential Surface Water Impacts	Total Acres	0	0	1	1	1	1	1
Wetlands	Total Acres	0	7	18	17	17	16	4
Forested	Acres	0	3	15	16.5	16	14	1
Non-forested	Acres	0	4	3	0.5	1	2	3
Regulatory (SJRWMD) Conservation Easement Impacts	Acres	0	2	12	12	13	10	1
Flood Hazard Area Impacts (100 Year Floodplain)	Acres	0	2	0	0	2	2	1
Listed Species Probability of Occurrence	Degree	0	High	High	High	High	High	Med
Bald Eagle Nest	No. of Conflicts	0	2	3	3	4	4	3
Species Impacts (composite rating)	High/Med/Low/None	None	Med	Med	Med	Med	Med	Low
Social								
Right-of-Way Area Needed (not including proposed ponds)	Total Acres	0	62	34	35	48	58	8
Potential Residential Parcels Affected	Total Parcels	0	23	8	12	22	3	0
Potential Non-Residential Parcels Affected	Total Parcels	0	27	17	20	13	19	28
Community Facilities	No. of Conflicts	0	0	0	0	0	0	0
Parks and Recreational Facilities (public and private)	No. of Conflicts	0	0	0	0	0	0	0
Community Cohesion Effects	High/Med/Low/None	None	Med	Med	Med	Med	Med	Low
Socio-Economic Impacts to Special Populations	High/Med/Low	0	Low	Low	Low	Low	Low	Low
Estimated Costs								
Roadway Construction (includes design and CEI)	Dollars	\$0	\$174,900,000	\$168,100,000	\$168,500,000	\$180,500,000	\$192,700,000	\$467,600,000
Utility Relocation	Dollars	\$0	\$3,800,000	\$2,100,000	\$3,100,000	\$2,100,000	\$2,100,000	\$22,100,000
Right-of-Way	Dollars	\$0	\$64,100,000	\$16,400,000	\$18,300,000	\$28,800,000	\$16,300,000	\$25,500,000
Mitigation, Wetlands, and Wildlife	Dollars	\$0	\$2,800,000	\$7,100,000	\$6,800,000	\$6,600,000	\$6,500,000	\$1,500,000
Total Estimated Cost	Dollars	\$0	\$245,600,000	\$193,700,000	\$196,700,000	\$218,000,000	\$217,600,000	\$516,700,000

- = Relatively High Impacts when Compared to Other Corridors
- = Relatively Medium Impacts when Compared to Other Corridors
- = Relatively Low Impacts when Compared to Other Corridors

STUDY WEBPAGE



COMMENT FORM

