






Alternatives Evaluation Matrix

Project #14359 – SR 31 from SR 80 (Palm Beach Boulevard) to SR 78 (Bayshore Road)

EVALUATION FACTORS	ALTERNATIVE	Alternative 1A	Alternative 1B	Alternative 2A	Alternative 2B	No-Build
	Roadway	Widen SR 31 to 6 Lanes	Widen SR 31 to 6 Lanes	Widen SR 31 to 6 Lanes	Widen SR 31 to 6 Lanes	No Widening
	Bridge	Replace bridge with high-level fixed	Replace bridge with high-level fixed	Replace bridge with mid-level movable (drawbridge)	Replace bridge with mid-level movable (drawbridge)	No Widening and No Replacement
	Intersection	Conventional signal at SR 80	Flyover at SR 80	Conventional signal at SR 80	Flyover at SR 80	No Improvements
ABILITY TO MEET PURPOSE AND NEED						
Accommodate future traffic demand						
Address bridge deficiencies						
Improve emergency evacuation/response						
POTENTIAL RIGHT OF WAY IMPACTS						
Relocations (#Business #Residential #Other)	0	0	0	0	0	0
Parcels (#Business #Residential #Other)	6 13 6	8 12 6	6 13 6	8 12 6	8 12 6	0
Right of Way to be acquired (acres)	33.8	31.8	33.8	31.8	31.8	0
POTENTIAL ENVIRONMENTAL IMPACTS						
Archaeological/Historic Resources Potential	Low	Low	Low	Low	Low	N/A
Wetlands (acres)	13.3	13.1	13.3	13.3	13.1	0
Surface Waters (acres)	1.17	1.18	1.17	1.17	1.18	0
Floodplains (acres)	34.7	36.1	34.7	34.7	36.1	0
Noise Sensitive Receptors (#)	0	0	0	0	0	0
Public Recreation Resources (#)	0	0	0	0	0	0
Threatened/Endangered Species Potential	Moderate	Moderate	Moderate	Moderate	Moderate	N/A
Utilities	Yes	Yes	Yes	Yes	Yes	0
Contamination Sites (#High #Medium Risk)	0 1	0 1	0 1	0 1	0 1	0 0
TRAFFIC OPERATIONS						
SR 80 Intersection 2045 Ave. Delay+Travel Time (sec. AM PM)	152.5 164.8	97.9 100.8	97.9 100.8	152.5 164.8	97.9 100.8	Over Capacity
Bridge Opening	No Openings	No Openings	No Openings	Reduced Openings	Reduced Openings	No Change
ESTIMATED PROJECT COSTS (2022 \$)						
Right-of-Way for Roadway and Stormwater Pond	\$10,990,000	\$11,160,000	\$11,160,000	\$10,990,000	\$11,160,000	\$0
Wetland Mitigation	\$2,930,000	\$2,880,000	\$2,880,000	\$2,930,000	\$2,880,000	\$0
Final Design and Construction	\$131,000,000	\$149,140,000	\$149,140,000	\$173,390,000	\$189,700,000	\$0
Construction Engineering and Inspection	\$15,720,000	\$17,900,000	\$17,900,000	\$20,810,000	\$22,760,000	\$0
Preliminary Estimate of Total Project Cost*	\$160,640,000*	\$181,080,000*	\$181,080,000*	\$208,120,000*	\$226,500,000*	*

*Source: FDOT Long-Range Estimating System. Preliminary Estimate of Total Project Cost does not include maintenance costs; No-Build would result in higher maintenance costs.