

ALTERNATIVES EVALUATION MATRIX

Criteria/Category		No Build Alternative	Rehabilitation Alternative	Alternative 1 (Existing)	Alternative 2 (East)	Alternative 3 (West)
PURPOSE AND NEED	Meets Purpose and Need for the Project	No	No	Yes	Yes	Yes
BRIDGE	Vertical Navigational Clearance above Mean High Water	39-feet	39-feet	51-feet	51-feet	51-feet
	Horizontal Navigational Clearance Between Fenders	150-feet	150-feet	150-feet	150-feet	150-feet
	Benefit to Marine Traffic	No Change	No	Yes	Yes	Yes
	Temporary Bridge Required	N/A	No	Yes	No	No
	Bridge Closure or Detour During Construction	N/A	No	No	No	No
	Life of Alternative (Estimated Years) ¹	5	15	75	75	75
TRAFFIC OPERATIONS	Benefit to Vehicular Traffic	No	No	Yes	Yes	Yes
	Evacuation / Emergency Response (Improved)	No	No	Yes	Yes	Yes
	Sebastian Inlet State Park North Entrance (Improved)	No	No	Yes	Yes	Yes
	Sebastian Inlet State Park South Entrance (Improved)	No	No	Yes	Yes	Yes
	Sebastian Inlet District North Access Road (Improved)	No	No	Yes	Yes	Yes
NATURAL RESOURCES	Impacts to Wetlands (Acres)	0	0	1.61	0.11	2.03
	Impacts to Surface Waters (Acres)	No Change	2.73	1.23	0.81	0.81
	Impacts to Species/Habitat - EFH (Acres) / Beach Mice (Acres)	0	2.73 / 0.46	4.77 / 0	0.81 / 0	0.81 / 0
SOCIAL & CULTURAL RESOURCES	Impacts to Section 4(f) Resources (Park) (Acres)	No	No	3.79	3.58	5.04
	Potentially Eligible Archaeological Resources (Number)	0	0	1	0	1
	Eligible Historic Resources (Number)	0	1	1	1	1
	Bicycle and Pedestrian Facilities	No	No	Yes	Yes	Yes
PHYSICAL RESOURCES	Noise Receptors Impacted	0	0	0	0	1
	Contamination Sites ²	0	0	0	0	0
	Aesthetics / Visual Changes	No	Yes	Yes	Yes	Yes
RIGHT-OF-WAY	Additional Right-of-Way Required (Acres) ³	0	0	3.64	3.46	3.78
COSTS (Dollars)	Design	0	1,479,300	6,656,900	6,217,175	6,217,175
	Bridge and Roadway Construction	0	10,362,400	89,040,000	89,040,000	89,040,000
	Temporary Bridge Construction	0	0	6,906,600	0	0
TOTAL COST		0	11,841,700	102,603,500	95,257,175	95,257,175

¹ FDOT policy states a structurally deficient bridge replacement be initiated within 6 years

² Bridge will be evaluated for lead paint during design.

³ ROW required for clear zone and maintenance associated with bridge approaches, roadway, Park entrances, shared use path improvements, and stormwater management.

Best Good Worst

PRELIMINARY AND SUBJECT TO CHANGE