

# EVALUATION MATRIX

Evaluation Criteria	No-Build Alternative	Alternative 1	Alternative 2
<b>Purpose and Need</b>			
Does the bridge provide adequate capacity for the anticipated 2045 traffic volumes?	✗	✓	✓
Are bike and pedestrian facilities provided?	✗	✓	✓
Does the bridge meet current design standards for vessel collision?	✗	✓	✓
<b>Environmental Effects</b>			
Number of historic/archaeological sites	1	1	1
Number of public parks/recreation areas or wildlife/waterfowl refuges?	1	1	1
Noise-sensitive sites (low, medium, high)	Low	Medium	Medium
Wetland impacts (acres)	N/A	1.36	1.89
Surface water impacts (acres)	N/A	13.49	12.72
Threatened or Endangered Species potential for impacts (low, medium, high)	None	Medium	Medium
Minority/low-income populations (present)	Yes	Yes	Yes
Non-English speaking individuals (present)	Yes	Yes	Yes
<b>Right-of-Way Needs</b>			
Number of impacted parcels	0	5	5
Number of residential relocations	0	0	0
Number of business relocations	0	0	0
Right-of-Way required for roadway improvements (acres)	0	0.3	0.3
Right-of-Way required for stormwater facilities (acres)	0	0	0
<b>Construction and Operations</b>			
Safety	Poor - Multiple weaving conflict points	Best - Fewest conflict points and greatest reduction in severe crashes	Best - Fewest conflict points and greatest reduction in severe crashes
Operations (Level of Service [LOS])*	Poor - Failing (LOS F)	Best - Free flow (LOS A)	Best - Free flow (LOS A)
Maintenance of Traffic (MOT)	Simple	Complex	Complex
Constructability	Not Complex - Rehabilitation of both bridges over the river	Moderately Complex - New bridge construction and U-turn movement	Moderately Complex - New bridge construction and U-turn movement
Rehabilitation	Yes	No	No
Construction Duration	12 months	48 months	48 months
<b>Estimated Project Cost (Millions [M])</b>			
Design	\$1.8M	\$15.6M	\$15.6M
Right-of-Way (roadway)	N/A	\$3.1M	\$3.1M
Right-of-Way (stormwater and floodplain sites)	N/A	N/A	N/A
Construction	\$27.0M	\$246.3M	\$254.4M
Construction Engineering and Inspection	\$4.0M	\$36.9M	\$38.2M
Preliminary Estimate of Total Project Cost	\$32.8M	\$301.9M	\$311.3M
<b>Life of the Structure**</b>	<b>20 years</b>	<b>75 years</b>	<b>75 years</b>

\* Caloosa Yacht Club Dr. and Magnolia Point Ct. intersections

\*\* Bridges over the Caloosahatchee River