

ALTERNATIVES EVALUATION MATRIX

PROJECT SEGMENTATION

SEGMENT 1: SR 44 at Lytle Avenue to Industrial Park Avenue at U.S. 1

SEGMENT 2: Industrial Park Avenue at U.S. 1 to Nova Road at U.S. 1

SEGMENT 3: Nova Road at US 1 to McDonald Road at Sauls Street

SEGMENT 4: McDonald Road at Sauls Street to Ridge Boulevard at S. Palmetto Avenue

SEGMENT 5: Ridge Boulevard at S. Palmetto Avenue to Beville Road at S. Palmetto Avenue

Evaluation Criteria	'Build' Alternatives: SJR2C Loop					
	'No-Build' Alternative	'Build' Alternative Segments 1,2, and 5*	'Build' Alternative Segment 3		'Build' Alternative Segment 4	
			Option utilizing Nova Road, Spruce Creek Road, and Commonwealth Boulevard	Option utilizing US 1, Seminole Way, and Riverside Drive	Option utilizing Reed Canal Road to Carmen Drive	Option utilizing Pope Avenue
Residential Relocations						
Number of Parcels Potentially Impacted	0	0	0	0	0	0
Number of Residences Relocated	0	0	0	0	0	0
Business Relocations						
Number of Parcels Potentially Impacted	0	0	0	0	0	0
Number of Businesses Relocated	0	0	0	0	0	0
Unimproved Properties Impacted	0	1**	0	0	0	0
Community Facilities						
Number of Parcels Potentially Impacted	0	0	0	0	0	0
Number of Facilities Relocated	0	0	0	0	0	0
Section 4(f)/Public Lands						
Number of Sites Potentially Impacted	N/A	N/A	N/A	N/A	N/A	N/A
Historic/Archeological						
Number of NRHP-eligible Historic Sites Potentially Impacted	0	3	0	2	1	0
Number of Archeological Sites Potentially Impacted	0	9	2	0	0	0
Environmental						
Primary Wetland Impacts (acres impacted)	0	0	0	0	0	0
Secondary Wetland Impacts (acres impacted)	0	0	0	0	0	0
Aquatic Preserves/Outstanding Florida Waters Impacted	None	None***	None	None	None	None
Wild and Scenic Rivers Impacted	N/A	N/A	N/A	N/A	N/A	N/A
Floodplains encroachment	No change	Minimal	None*****	Moderate	Moderate	None
Threatened and Endangered Species	None	None	None	None	None	None
Water Quality	No change	No change	No change	No change	No change	No change
Farmlands (acres impacted)	N/A	N/A	N/A	N/A	N/A	N/A
Noise and Air Quality	N/A	N/A	N/A	N/A	N/A	N/A
Potential Contamination Site Impacts						
Number of High Risk Contamination Sites	0	4	0	0	0	0
Number of Medium Risk Contamination Sites	0	7	1	0	0	0
Utilities						
Utilities Impacted	None	Yes	Yes	Yes	None	Yes****
Constructability (high, moderate, low)	N/A	High*****	High	High	Moderate	High
Costs Estimates (2018 Dollars)						
Construction (Long Range Estimates)	\$0	\$9,946,727	\$753,155	\$423,826	\$7,080,742	\$112,125
Design	\$0	\$994,673	\$75,315	\$42,383	\$708,074	\$11,213
Right-of-Way Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Construction Engineering and Inspection (CEI)	\$0	\$1,293,074	\$97,910	\$55,097	\$920,496	\$14,576
Mitigation Cost	\$0	\$0	\$0	\$0	\$0	\$0
Total Project Costs	\$0	\$12,234,474	\$926,380	\$521,306	\$8,709,313	\$137,914

*Includes Sauls Street from Segment 4

**Impact is being identified for parcel where property owner is willingly donating a portion of the parcel.

***Within segment two, there are four bridges being widened (cantilever). If bridge widening were to be done with new piles, impacts would occur to Outstanding Florida Waters (Spruce Creek and Rose Bay).

****City of South Daytona has plans to relocate overhead utilities along the south side of Reed Canal Road to the north side. Utility impacts would still apply for north side from Anastasia Drive to Carmen Drive.

*****Overall highly constructable. Moderate constructability would apply for segment along US 1 where bridge widening is needed.

COSTS ARE PRELIMINARY AND SUBJECT TO CHANGE

