

Alternatives Evaluation Matrix
 I-95 Palm Bay Parkway Southern Interchange PG&E Study
 Financial Project No. 426904-1-22-01 & 426904-1-22-02
 Federal Aid Project No. SOFTLY 251 R, S129 354 R

Evaluation Criteria	Alignment 1			Alignment 2		
	Compressed Diamond	Spread Diamond	Partial Cloverleaf	Compressed Diamond	Spread Diamond	Partial Cloverleaf
Alignment Length (miles)	4.00	4.00	4.00	3.75	3.75	3.75
Project Cost (Year 2010 Million \$)	\$89.4 - \$95.2	\$87.5 - \$93.4	\$90.3 - \$96.1	\$87.3 - \$92.8	\$85.6 - \$91.1	\$88.4 - \$93.9
Engineering Cost Elements	Construction Cost Estimates					
	Urban	\$62.8	\$57.8	\$63.2	\$61.1	\$57.1
	Suburban (Piped)	\$64.9	\$59.9	\$65.3	\$63.0	\$59.0
	Suburban (Swale)	\$59.0	\$54.0	\$59.4	\$57.5	\$53.5
	Construction Engineering & Inspection	\$9.4	\$8.7	\$9.5	\$9.2	\$8.6
	Design	\$5.0	\$4.6	\$5.1	\$4.9	\$4.6
	Mitigation Cost	\$1.7	\$3.0	\$1.7	\$1.7	\$2.5
Potential ROW Costs	\$14.2	\$17.2	\$14.6	\$14.1	\$16.5	
ROW Taking Area (acres)	148.7	186.1	153.7	146.8	176.2	146.9
Traffic Operations (AM/PM Level of Service)	C/D D/C	C/D D/C	C/D B/B	C/D D/C	C/D D/C	C/D B/B
Future Land Use Accessibility	Good	Poor	Neutral	Good	Poor	Neutral
Threatened/Endangered Species Observed	None	None	None	None	None	None
Total Wetland Impact Area* (acres)	16.6	30.0	16.7	16.6	24.9	19.6
Floodplain Encroachment* (acres)	73.1	91.4	67.4	61.0	81.4	60.4
Relocations						
Business	None	None	None	None	None	None
Residential	None	None	None	None	None	None
Archeological & Cultural Impacts	None	None	None	None	None	None
Contamination	None	None	None	None	None	None
Socio-Economic Impacts	More Consistent with the Future Land Use Map approved by City of Palm Bay-July 8, 2010			Less Consistent with the Future Land Use Map approved by City of Palm Bay-July 8, 2010		

Note: * - for roadway and interchanges areas only