

# SOUTHPORT CONNECTOR EXPRESSWAY PD&E STUDY

## ALTERNATIVES EVALUATION MATRIX

Evaluation Criteria	Unit of Measure	No-Build	Preferred Alternative		
			Hybrid Alternative (Cypress Parkway Segment)	Refined Alternative 4000 (East of Pleasant Hill Road Segment)	Project Total
<b>Design</b>					
Alternative Length (approximate)	Miles	0	5.0	11.7	16.7
Proposed Right-of-Way Width <small>(general: varies at interchanges and environmentally sensitive areas)</small>	Feet	0	300-310	330	300-330
Proposed Bridges - total structures per alternative	Structures	0	12	22	34
Total length of all structures	Feet	0	20,481	11,021	31,502
Proposed Interchanges	Number	0	4	4	8
Projected 2050 Annual Average Daily Traffic (AADT)	Cypress Parkway Vehicles	66,000 <sup>1</sup>	56,000 <sup>1</sup>	NA	NA
	Expressway Vehicles	NA	62,000 <sup>2</sup>	72,000 <sup>3</sup>	<b>Varies</b> <small>(based on location)</small>
<b>Physical</b>					
Major Utility Conflicts - Existing	No. of Conflicts	0	9	1	10
Major Utility Conflicts - Planned	No. of Conflicts	0	0	0	0
Contamination Sites & Facilities <small>(Medium and High-Risk Sites)</small>	No. of Conflicts	0	4	9	13
<b>Cultural Environment Effects</b>					
Public Lands <small>(Public Recreation Lands)</small>	Acres	0	<1	0	<1
Potential Historic Resources	No. of Conflicts	0	0	0	0
Potential Historic Linear Resources <small>(Canals/Highways/Railroads)</small>	No. of Resources	0	0	1	1
Potential Archaeological Resources	No. of Resources	0	0	1	1
<b>Natural Environment</b>					
Water Features					
<i>Existing Ponds and Surface Waters</i>	Acres	0	<1	36	36
<i>Canals / Regulated Floodways</i>	No. of Conflicts	0	1	2	3
<i>Flood Hazard Areas - 100 Year Floodplain</i>	Acres	0	33	480	513
Wetlands (non-forested and forested)	Acres	0	23	132	155
Potential Habitat - Federal and State Listed Species	Acres	0	100	916	1,016
Submerged Aquatic Vegetation (SAV)	Acres	0	0	0	0
Potential Bald Eagle Nest (Direct + Buffer Zone)	Y/N	N	N	Y	Y
Mitigation Banks					
<i>None</i>	Acres	0	0	0	0
Conservation Easement					
<i>Solivita HOA</i>	Acres	0	<1	0	<1
Critical Smoke Dispersal Area					
<i>Within 1-Mile Buffer</i>	Percentage of Alternative	0	50	41	43
SFWMD Lands					
<i>Upper Lakes Basin Watershed/KCOLA</i>	Acres	0	0	<1	<1
<b>Social</b>					
Right-of-Way Area (including proposed ponds) <small>(includes FTE and Canoe Creek interchanges)</small>	Acres	0	248	918	1,166
Potential Existing Residential Impacts <small>(includes partially impacted parcels)</small>	Total Parcels	0	5	6	11
Potential Existing Commercial Impacts <small>(includes partially impacted parcels)</small>	Total Parcels	0	17	4	21
Potential Existing Parcel Impacts (Other <sup>4</sup> ) <small>(includes partially impacted parcels)</small>	Total Parcels	0	3	34	37
Proposed / Planned Development <small>(Waterlin, Richland Communities, South Lake Toho)</small>	Acres	0	0	977	977
Community Facilities	No. of Conflicts	0	1	1	2
Trails	No. of Conflicts	0	0	1	1
<b>Estimated Costs</b>					
Roadway Construction (including bridges & utility relocation)	Currency in Millions	\$0	\$1,325	\$981	\$2,306
Preliminary Right-of-Way Areas (including ponds)		\$0	\$85	\$125	\$210
Environmental Mitigation		\$0	\$2	\$13	\$15
<b>Total Estimated Project Cost</b>	<b>Currency in Billions</b>	<b>\$0</b>	<b>\$1.4<sup>5</sup></b>	<b>\$1.1</b>	<b>\$2.5</b>

<sup>1</sup> Cypress Parkway from Doverplum Avenue to Old Pleasant Hill Road

<sup>2</sup> Southport Connector Expressway from Cypress Drive to Old Pleasant Hill Road

<sup>3</sup> Southport Connector Expressway from Interchange west of Florida's Turnpike to Florida's Turnpike

<sup>4</sup> "Other" includes Government and undeveloped parcels

<sup>5</sup> Includes proposed improvements to Cypress Parkway