

## **Project Development & Environment Study Southport Connector Expressway** August 2021

## **PRELIMINARY**

## **ALTERNATIVES EVALUATION MATRIX**

Evaluation Criteria	Unit of Measure	Cypress Parkway	Alternative 2000	Alternative 3000	Alternative 4000	Alternative 7000
Design						
Alternative Length (approximate)	Miles	4.5	14.1	16.8	16.9	17.4
Proposed Right-of-Way Width (general: varies at interchanges and environmentally sensitive areas)	Feet	300	330	330	330	330
Proposed Bridges - total structures per alternative	Structures	10	13	17	15	15
Total length of all structures	Feet	4,033	22,411	7,410	7,100	6,119
Proposed Interchanges (includes FTE and Canoe Creek)	Number	2	5	5	5	5
Projected 2045 Annual Average Daily Traffic (AADT) Volume (as a tolled facility)	Vehicles	46,098	53,390	53,390	53,390	53,390
Physical			L			
Major Utility Conflicts - Existing	No. of Conflicts	16	10	3	3	3
Major Utility Conflicts - Planned	No. of Conflicts	2	0	0	0	0
Contamination Sites & Facilities	No. of Conflicts	24	14	9	8	8
Cultural Environment Effects			I			
Public Lands (Public Recreation Lands)	Acres	0	0	0	0	0
Potential Historic Resources	No. of Conflicts	18	3	2	1	0
Potential Historic Linear Resources	No. of Resources	0	2	2	2	2
(Canals/Highways/Railroads)	No. of Resources	0	2	2	2	2
Potential Archaeological Resources	No. of Resources	0	2	1	1	1
Natural Environment			I			
Water Features						_
Ponds / Lakes (ponds + surface waters)	Acres	0	44	2	3	3
Canals / Regulated Floodways	No. of Conflicts	1	2	2	2	2
Flood Hazard Areas - 100 Year Floodplain	Acres	21 0	57 45	200 73	229 59	301 74
Wetlands (non-forested and forested) Potential Habitat - Federal and State Listed Species	Acres Acres	0	264	343	461	376
Submerged Aquatic Vegetation (SAV)	Acres	0	1	0	0	0
Potential Bald Eagle Nest (Direct + Buffer Zone)	Y/N	N	Y	N	Y	N
Mitigation Banks	.,		·			.,
None	Acres	0.0	0.0	0.0	0.0	0.0
Conservation Easement						
Solivita HOA	Acres	0.0	0.0	0.0	0.0	0.0
SFWMD Lands						
Upper Lakes Basin Watershed/KCOLA	Acres	0.0	18	18	19	19
Social						
Right-of-Way Area (not including proposed ponds) Includes FTE and Canoe Creek interchanges	Acres	24	519	686	694	717
Estimated Pond Area (mainline)	Acres	22	42	62	60	64
Potential Existing Residential Impacts (includes partially impacted parcels)	Total Parcels	13	68	9	5	5
Potential Existing Commercial Impacts	Total Parcels	19	11	7	7	6
(includes partially impacted parcels)	Total Parceis	19	11	/	/	б
Potential Existing Parcel Impacts (Other¹) (includes partially impacted parcels)	Total Parcels	13	54	45	41	40
Community Facilities (Environmental Learning Center)	No. of Conflicts	0	1	1	1	1
Trails	No. of Conflicts	0	1	2	2	2
Community Cohesion Effects *according to CF&M	High/Med/Low	Med	High	Med	Med	Low
Proposed Development (PD) /						
Development of Regional Impact (DRI)	Acres	0	286	503	453	479
(South Lake Toho and East Lake Toho)						
Estimated Costs			1	,		
Roadway Construction		\$164,199,106	\$117,929,475	\$138,758,556	\$139,134,107	\$144,794,944
Bridges Construction		\$63,866,458	\$306,071,464	\$89,082,919	\$84,734,094	\$75,317,977
Interchanges Construction Tall Collection Equipment		\$0 \$5.775.000	\$554,994,837	\$405,100,954	\$405,100,954	\$405,100,954
Toll Collection Equipment Right-of-Way Areas (including proposed ponds)		\$5,775,000	\$4,950,000	\$6,600,000	\$6,600,000	\$6,600,000
Mitigation: Wetlands, Floodplains & Wildlife		\$4,415,250	\$4,567,500	\$7,427,770	\$6,030,115	\$7,528,255
Total Estimated Alternative Costs  GRAND TOTAL Estimated Alternative Costs		\$238,255,814	\$988,513,276	\$646,970,199	\$641,599,270	\$639,342,130
(Includes Cypress Parkway)			\$1,226,769,090	\$885,226,013	\$879,855,084	\$877,597,944
Projected Traffic Revenue (2045)						

RED = Relatively High Impacts when Compared to Other Alternatives

YELLOW = Relatively Medium Impacts when Compared to Other Alternatives

GREEN = Relatively Low Impacts when Compared to Other

<sup>&</sup>lt;sup>1</sup> "Other" includes Government and Vacant parcels