



WEKIVA PARKWAY (SR 429)/SR 46 REALIGNMENT PD&E STUDY

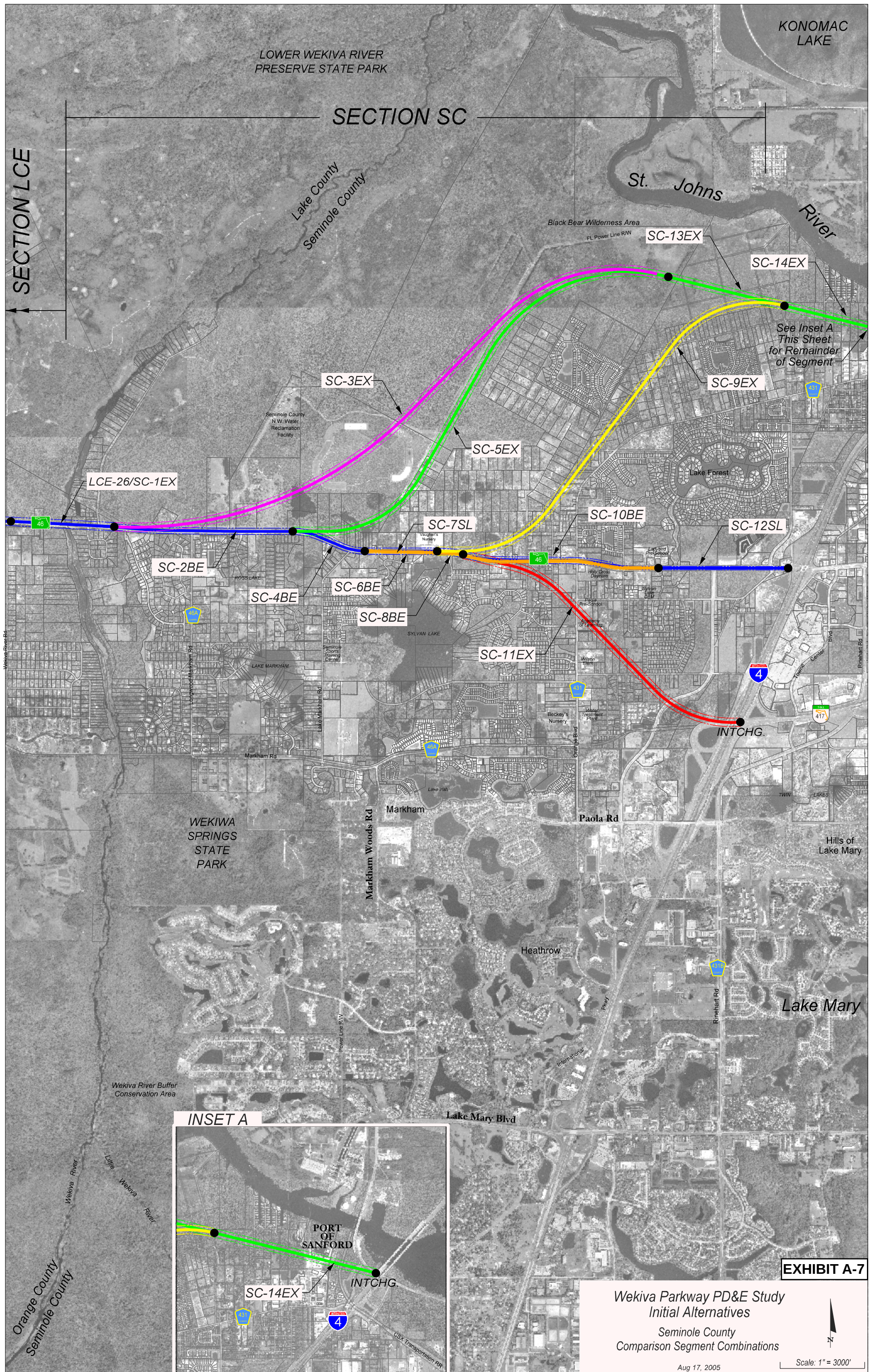
ENVIRONMENTAL ASSESSMENT

APPENDICES A, B, C and D

AUGUST 2010

Seminole County

[illegible]



SECTION SC

SECTION LCE

INSET A

EXHIBIT A-7

Wekiva Parkway PD&E Study
Initial Alternatives
Seminole County
Comparison Segment Combinations

Aug 17, 2005

Scale: 1" = 3000'

INITIAL ALTERNATIVES - COMPARISON OF SEGMENT COMBINATIONS

Lake County East

[illegible]

Lake County East

9/27/2005

SECTION LCE

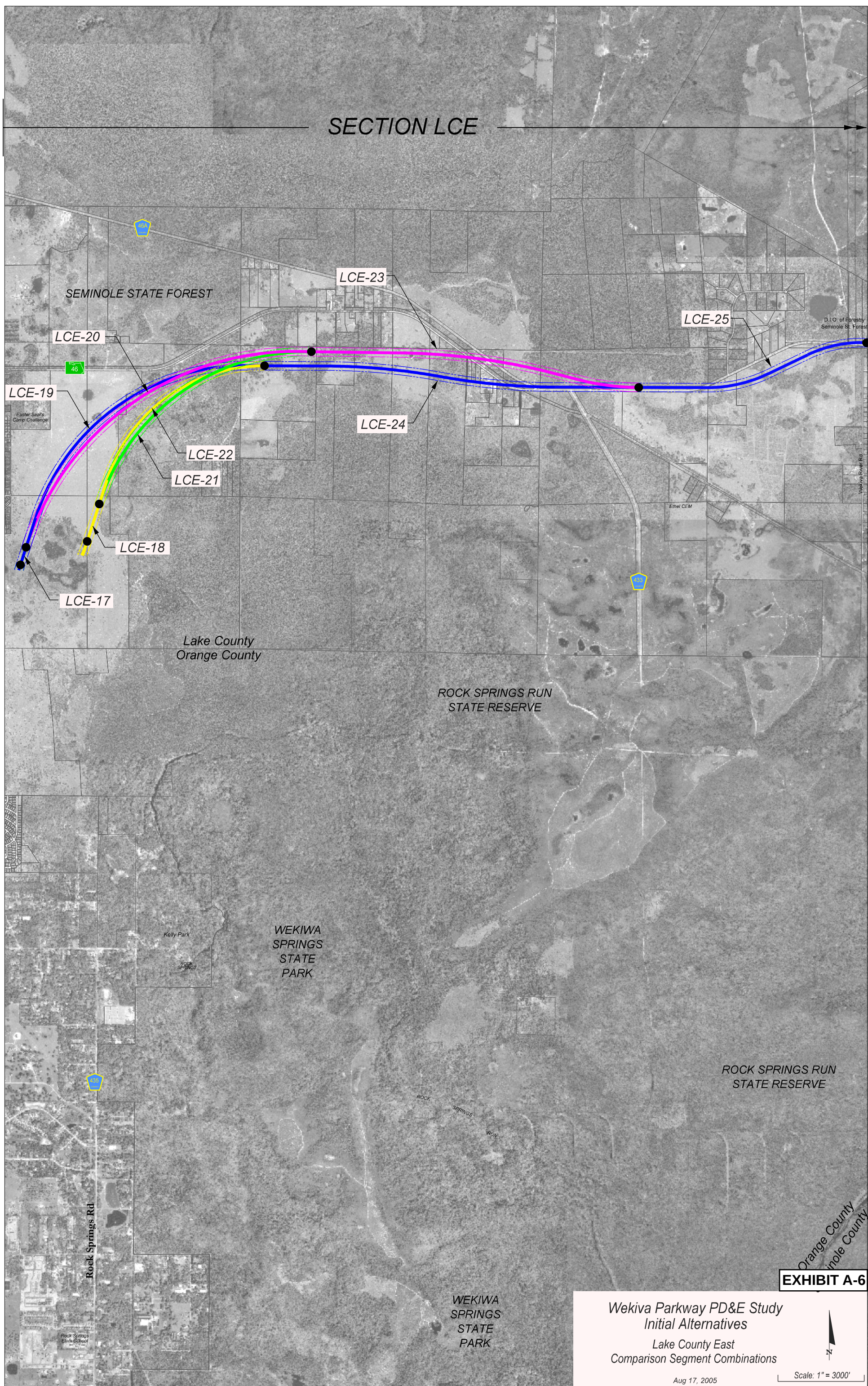


EXHIBIT A-6

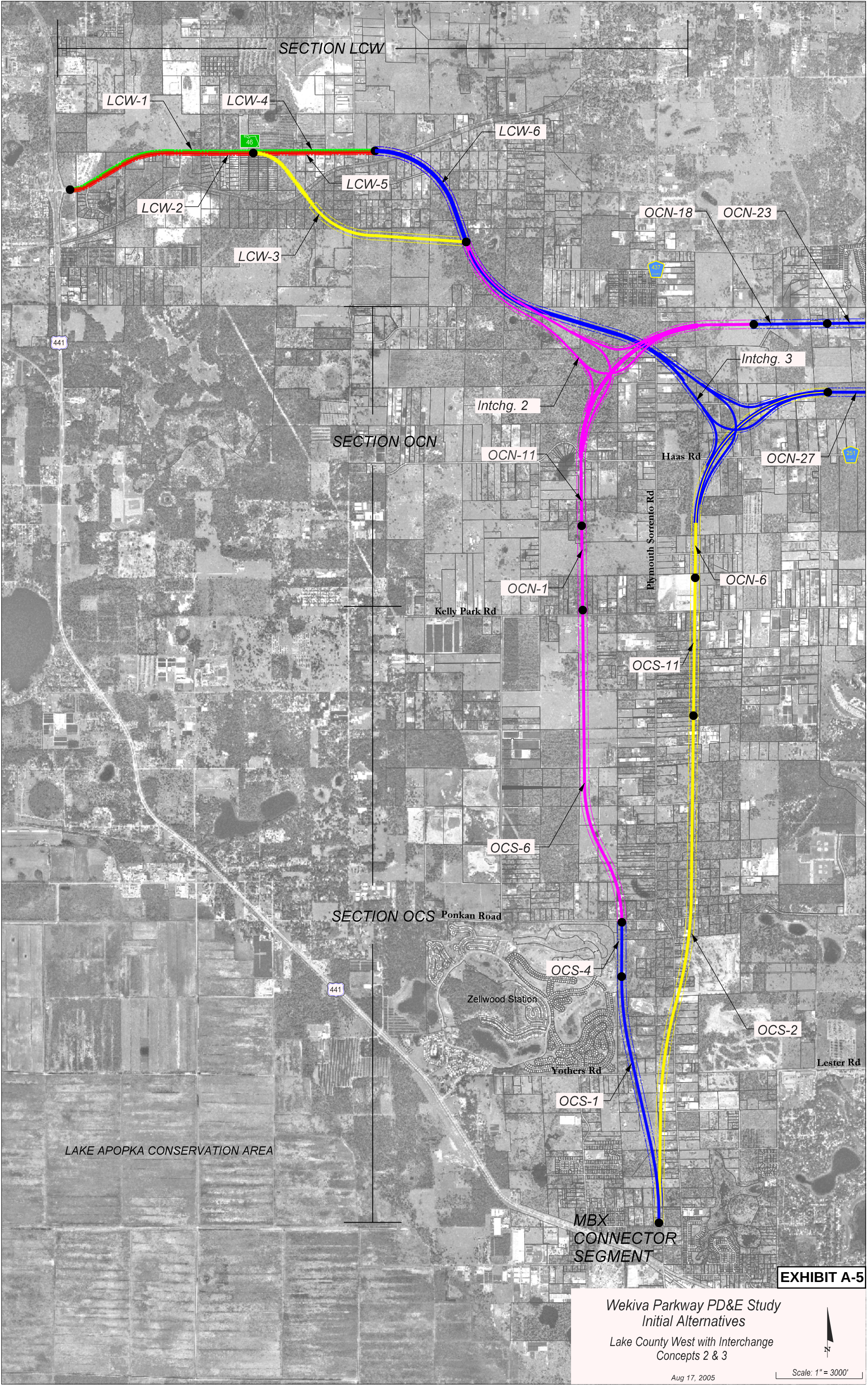
Wekiva Parkway PD&E Study
Initial Alternatives
Lake County East
Comparison Segment Combinations

Aug 17, 2005

Scale: 1" = 3000'

Lake County West

Page A11
8/17/2005



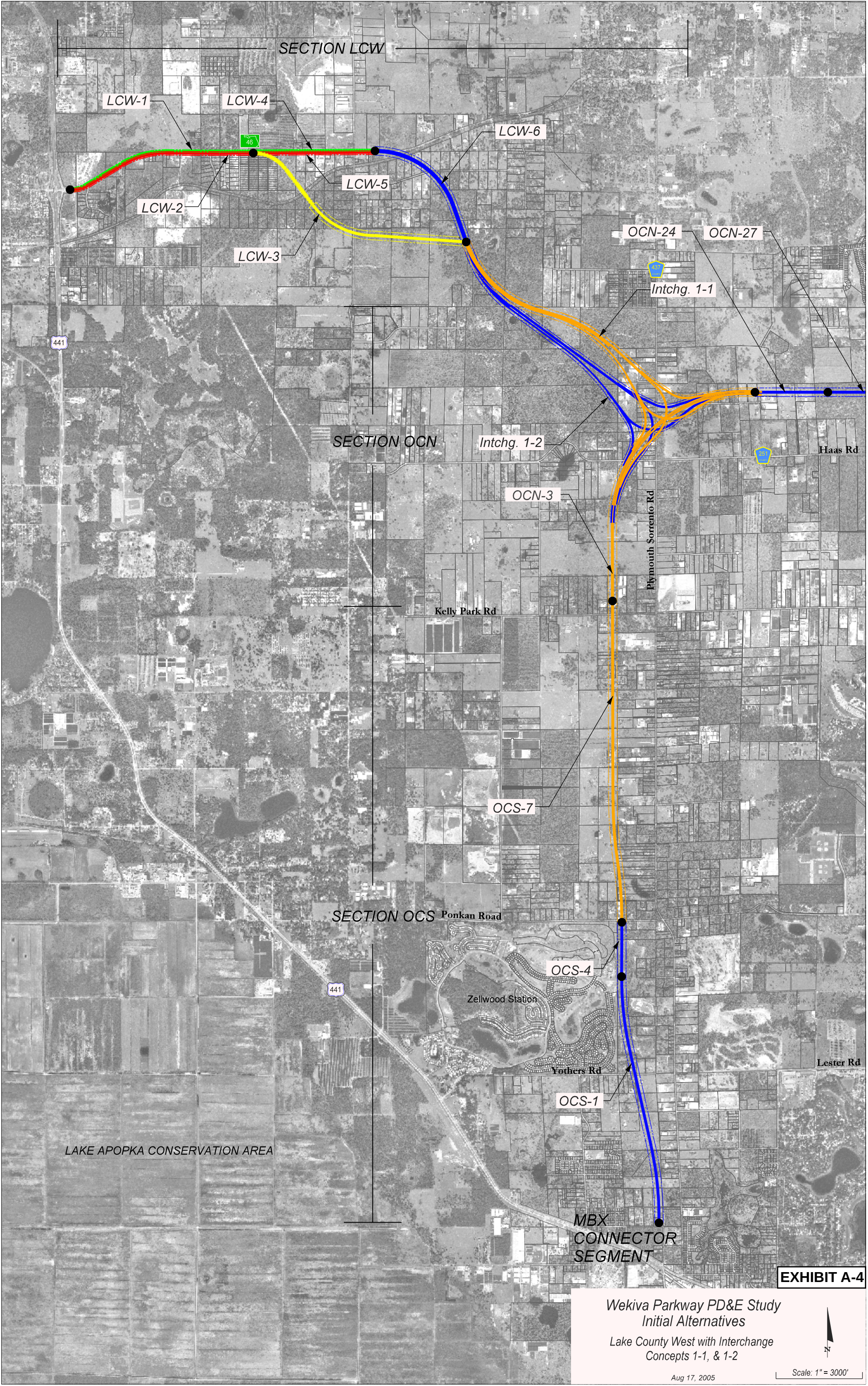


EXHIBIT A-4

Wekiva Parkway PD&E Study
Initial Alternatives
Lake County West with Interchange
Concepts 1-1, & 1-2

Aug 17, 2005

Scale: 1" = 3000'

WEKIVA PARKWAY PD&E STUDY

INITIAL ALTERNATIVES - COMPARISON OF SEGMENT COMBINATIONS

East of Plymouth-Sorrento Rd. (Orange Co. and a portion of east Lake Co.)

Segment Comb. #	Segments in Combination															Combined Displacements			Combined Area Impacts (acres)				Threaten./Endanger. Species (Probability)				Other		Notes		
																Residential	Commercial	Nursery	ROW	Public Land	Floodplain	Wetlands	High	Moderate	Low	Unknown	Contamination				
	Segment Termination LCE-17																														
19	OCS-1	OCS-5	OCS-9	OCS-11	OCN-6	OCN-14	OCN-27	OCN-29	OCN-35	LCE-5	LCE-11	LCE-13	LCE-15	LCE-17		32	0	15	301.49	20.84	47.37	23.18	GT,BB,WI	IS,GT,BO,SC,WS			Landfill				
20	OCS-1	OCS-5	OCS-9	OCS-11	OCN-6	OCN-15	OCN-23	OCN-26	OCN-31	LCE-1	LCE-15	LCE-17				38	0	12	305.58	38.83	71.06	51.61	GT,BB,WI	IS,GT,BO,SC,WS			Landfill				
21	OCS-1	OCS-5	OCS-9	OCS-11	OCN-7	OCN-28	OCN-30	OCN-37	LCE-7	LCE-11	LCE-13	LCE-15	LCE-17			33	0	14	292.41	21.88	52.7	25.79	GT,BB,WI	IS,GT,BO,SC,WS			Landfill				
22	OCS-2	OCS-11	OCN-6	OCN-14	OCN-27	OCN-29	OCN-35	LCE-5	LCE-11	LCE-13	LCE-15	LCE-17				64 *	0	21	298.34	0	32.57	18.68	GT,BB,WI	IS,GT,BO,SC,WS							
23	OCS-2	OCS-11	OCN-6	OCN-15	OCN-23	OCN-26	OCN-31	LCE-1	LCE-15	LCE-17						70 *	0	18	302.43	17.99	56.26	47.11	GT,BB,WI	IS,GT,BO,SC,WS							
24	OCS-2	OCS-11	OCN-7	OCN-28	OCN-30	OCN-37	LCE-7	LCE-11	LCE-13	LCE-15	LCE-17					65 *	0	20	289.26	1.04	37.9	21.29	GT,BB,WI	IS,GT,BO,SC,WS							
25	OCS-1	OCS-5	OCS-10	OCS-12	OCN-8	OCN-16	OCN-29	OCN-35	LCE-5	LCE-11	LCE-13	LCE-15	LCE-17			67 *	0	13	292.13	20.84	47.37	22.49	GT,BB,WI	IS,GT,BO,SC,WS			Landfill				
26	OCS-1	OCS-5	OCS-10	OCS-12	OCN-8	OCN-17	OCN-26	OCN-31	LCE-1	LCE-15	LCE-17					73 *	0	12	296.61	35.48	67.71	45.88	GT,BB,WI	IS,GT,BO,SC,WS			Landfill				
27	OCS-1	OCS-5	OCS-10	OCS-12	OCN-9	OCN-30	OCN-37	LCE-7	LCE-11	LCE-13	LCE-15	LCE-17				72 *	0	13	285.62	20.86	52.7	25.79	GT,BB,WI	IS,GT,BO,SC,WS			Landfill				
28	OCS-3	OCS-12	OCN-8	OCN-16	OCN-29	OCN-35	LCE-5	LCE-11	LCE-13	LCE-15	LCE-17					109 *	0	10	289.22	9.37	43.05	19.89	GT,BB,WI	IS,GT,BO,SC,WS					NW Recreation Complex		
29	OCS-3	OCS-12	OCN-8	OCN-17	OCN-26	OCN-31	LCE-1	LCE-15	LCE-17							115 *	0	9	293.7	24.01	63.39	43.28	GT,BB,WI	IS,GT,BO,SC,WS					NW Recreation Complex		
30	OCS-3	OCS-12	OCN-9	OCN-30	OCN-37	LCE-7	LCE-11	LCE-13	LCE-15	LCE-17						114 *	0	10	282.71	9.39	48.38	23.19	GT,BB,WI	IS,GT,BO,SC,WS					NW Recreation Complex		
	Segment Termination LCE-18																														
31	OCS-1	OCS-5	OCS-9	OCS-11	OCN-6	OCN-14	OCN-27	OCN-29	OCN-36	LCE-6	LCE-12	LCE-14	LCE-16	LCE-18		32	0	15	325.59	26.61	38.64	22.92	GT,BB,WI	IS,GT,BO,SC,WS			Landfill				
32	OCS-1	OCS-5	OCS-9	OCS-11	OCN-6	OCN-15	OCN-23	OCN-26	OCN-32	LCE-2	LCE-16	LCE-18				38	0	12	329.59	38.83	66.81	43.56	GT,BB,WI	IS,GT,BO,SC,WS			Landfill				
33	OCS-1	OCS-5	OCS-9	OCS-11	OCN-7	OCN-28	OCN-30	OCN-38	LCE-8	LCE-12	LCE-14	LCE-16	LCE-18			33	0	14	315.17	28.33	37.06	21.28	GT,BB,WI	IS,GT,BO,SC,WS			Landfill				
34	OCS-2	OCS-11	OCN-6	OCN-14	OCN-27	OCN-29	OCN-36	LCE-6	LCE-12	LCE-14	LCE-16	LCE-18				64 *	0	21	322.44	5.77	23.84	18.42	GT,BB,WI	IS,GT,BO,SC,WS							
35	OCS-2	OCS-11	OCN-6	OCN-15	OCN-23	OCN-26	OCN-32	LCE-2	LCE-16	LCE-18						70 *	0	18	326.44	17.99	52.01	39.06	GT,BB,WI	IS,GT,BO,SC,WS							
36	OCS-2	OCS-11	OCN-7	OCN-28	OCN-30	OCN-38	LCE-8	LCE-12	LCE-14	LCE-16	LCE-18					65 *	0	20	312.02	7.49	22.26	16.78	GT,BB,WI	IS,GT,BO,SC,WS							
37	OCS-1	OCS-5	OCS-10	OCN-12	OCN-8	OCN-16	OCN-29	OCN-36	LCE-6	LCE-12	LCE-14	LCE-16	LCE-18			67 *	0	13	316.23	26.61	38.64	22.23	GT,BB,WI	IS,GT,BO,SC,WS			Landfill				
38	OCS-1	OCS-5	OCS-10	OCS-12	OCN-8	OCN-17	OCN-26	OCN-32	LCE-2	LCE-16	LCE-18					73 *	0	12	320.62	35.48	63.46	37.83	GT,BB,WI	IS,GT,BO,SC,WS			Landfill				
39	OCS-1	OCS-5	OCS-10	OCS-12	OCN-9	OCN-30	OCN-38	LCE-8	LCE-12	LCE-14	LCE-16	LCE-18				72 *	0	13	308.38	27.31	37.06	21.28	GT,BB,WI	IS,GT,BO,SC,WS			Landfill				
40	OCS-3	OCS-12	OCN-8	OCN-16	OCN-29	OCN-36	LCE-6	LCE-12	LCE-14	LCE-16	LCE-18					109 *	0	10	313.32	15.14	34.32	19.63	GT,BB,WI	IS,GT,BO,SC,WS					NW Recreation Complex		
41	OCS-3	OCS-12	OCN-8	OCN-17	OCN-26	OCN-32	LCE-2	LCE-16	LCE-18							115 *	0	9	317.71	24.01	59.14	35.23	GT,BB,WI	IS,GT,BO,SC,WS					NW Recreation Complex		
42	OCS-3	OCS-12	OCN-9	OCN-30	OCN-38	LCE-8	LCE-12	LCE-14	LCE-16	LCE-18						114 *	0	10	305.47	15.84	32.74	18.68	GT,BB,WI	IS,GT,BO,SC,WS					NW Recreation Complex		
																*Residential includes homesites in the following platted developments:						GT Gopher Tortoise		IS Indigo Snake							
																OCS - 2 Wekiva Run (21);						BB Black Bear		SC Sand Hill Crane							
																OCS - 3 Wekiva Run (19), Arbor Ridge (35), Palmetto Ridge (19), & Oak Ridge (17);						BO Burrowing Owl		WS Wood Stork							
																OCS - 10 Oak Ridge (41).						WI White Ibis									
																Public Land includes State, County, and City owned Public Lands.															
																See Unique Segment Spreadsheets for breakdown of quantities.															

WEKIVA PARKWAY PD&E STUDY

INITIAL ALTERNATIVES - COMPARISON OF SEGMENT COMBINATIONS

West of Plymouth-Sorrento Rd. (Orange Co. and a portion of east Lake Co.)

Segment Comb. #	Segments in Combination																Combined Displacements			Combined Area Impacts (acres)				Threaten./Endanger. Species (Probability)				Other		Notes		
																	Residential	Commercial	Nursery	ROW	Public Land	Floodplain	Wetlands	High	Moderate	Low	Unknown	Contamination				
	Segment Termination LCE-17																															
1	OCS-1	OCS-4	OCS-6	OCN-1	OCN-10	OCN-24	OCN-27	OCN-29	OCN-35	LCE-5	LCE-11	LCE-13	LCE-15	LCE-17		30	0	5	327.39	20.82	52.13	23.65	GT,BB,WI	IS,GT,BO,SC,WS	SJ		Landfill					
2	OCS-1	OCS-4	OCS-6	OCN-1	OCN-11	OCN-18	OCN-23	OCN-26	OCN-31	LCE-1	LCE-15	LCE-17				27	0	2	331.55	30.15	82.41	61.53	GT,BB,WI	IS,GT,BO,SC,WS	SJ		Landfill					
3	OCS-1	OCS-4	OCS-6	OCN-2	OCN-25	OCN-28	OCN-30	OCN-37	LCE-7	LCE-11	LCE-13	LCE-15	LCE-17			21	0	3	312.91	20.82	57.46	25.02	GT,BB,WI	IS,GT,BO,SC,WS			Landfill					
4	OCS-1	OCS-4	OCS-7	OCN-3	OCN-24	OCN-27	OCN-29	OCN-35	LCE-5	LCE-11	LCE-13	LCE-15	LCE-17			29	0	8	318.56	20.82	43.12	19.99	GT,BB,WI	IS,GT,BO,SC,WS	SJ		Landfill					
5	OCS-1	OCS-4	OCS-8	OCN-4	OCN-12	OCN-19	OCN-33	LCE-3	LCE-13	LCE-15	LCE-17					33	1	8	304.31	40.38	52.89	29.61	BO,GT,BB,WI	IS,GT,BO,SC,WS			Landfill					
6	OCS-1	OCS-4	OCS-8	OCN-4	OCN-12	OCN-20	OCN-24	OCN-27	OCN-29	OCN-35	LCE-5	LCE-11	LCE-13	LCE-15	LCE-17	34	1	7	312.37	20.82	43.97	20.49	GT,BB,WI	IS,GT,BO,SC,WS			Landfill					
7	OCS-1	OCS-4	OCS-8	OCN-4	OCN-13	OCN-18	OCN-23	OCN-26	OCN-31	LCE-1	LCE-15	LCE-17				37	1	7	316.42	30.15	76.29	57.79	GT,BB,WI	IS,GT,BO,SC,WS			Landfill					
8	OCS-1	OCS-4	OCS-8	OCN-5	OCN-21	OCN-39	LCE-9	LCE-17								32	1	8	293.7	22.61	51.86	39.31	GT,BB,WI	IS,GT,BO,SC,WS			Landfill					
9	OCS-1	OCS-4	OCS-8	OCN-5	OCN-22	OCN-25	OCN-28	OCN-30	OCN-37	LCE-7	LCE-11	LCE-13	LCE-15	LCE-17		29	1	6	299.34	20.82	49.3	24.14	GT,BB,WI	IS,GT,BO,SC,WS			Landfill					
	Segment Termination LCE-18																															
10	OCS-1	OCS-4	OCS-6	OCN-1	OCN-10	OCN-24	OCN-27	OCN-29	OCN-36	LCE-6	LCE-12	LCE-14	LCE-16	LCE-18		30	0	5	351.49	26.59	43.4	23.39	GT,BB,WI	IS,GT,BO,SC,WS	SJ		Landfill					
11	OCS-1	OCS-4	OCS-6	OCN-1	OCN-11	OCN-18	OCN-23	OCN-26	OCN-32	LCE-2	LCE-16	LCE-18				27	0	2	355.56	30.15	78.16	53.48	GT,BB,WI	IS,GT,BO,SC,WS	SJ		Landfill					
12	OCS-1	OCS-4	OCS-6	OCN-2	OCN-25	OCN-28	OCN-30	OCN-38	LCE-8	LCE-12	LCE-14	LCE-16	LCE-18			21	0	3	335.67	27.27	41.82	20.51	GT,BB,WI	IS,GT,BO,SC,WS			Landfill					
13	OCS-1	OCS-4	OCS-7	OCN-3	OCN-24	OCN-27	OCN-29	OCN-36	LCE-6	LCE-12	LCE-14	LCE-16	LCE-18			29	0	8	342.66	26.59	34.39	19.73	GT,BB,WI	IS,GT,BO,SC,WS	SJ		Landfill					
14	OCS-1	OCS-4	OCS-8	OCN-4	OCN-12	OCN-19	OCN-34	LCE-4	LCE-14	LCE-16	LCE-18					33	1	8	327.05	40.51	46.2	22.26	BO,GT,BB,WI	IS,GT,BO,SC,WS			Landfill					
15	OCS-1	OCS-4	OCS-8	OCN-4	OCN-12	OCN-20	OCN-24	OCN-27	OCN-29	OCN-36	LCE-6	LCE-12	LCE-14	LCE-16	LCE-18	34	1	7	336.47	26.59	35.24	20.23	GT,BB,WI	IS,GT,BO,SC,WS			Landfill					
16	OCS-1	OCS-4	OCS-8	OCN-4	OCN-13	OCN-18	OCN-23	OCN-26	OCN-32	LCE-2	LCE-16	LCE-18				37	1	7	340.43	30.15	72.04	49.74	GT,BB,WI	IS,GT,BO,SC,WS			Landfill					
17	OCS-1	OCS-4	OCS-8	OCN-5	OCN-21	OCN-40	LCE-10	LCE-18								32	1	8	314.78	22.61	58.89	40.31	GT,BB,WI	IS,GT,BO,SC,WS			Landfill					
18	OCS-1	OCS-4	OCS-8	OCN-5	OCN-22	OCN-25	OCN-28	OCN-30	OCN-38	LCE-8	LCE-12	LCE-14	LCE-16	LCE-18		29	1	6	322.1	27.27	33.66	19.63	GT,BB,WI	IS,GT,BO,SC,WS			Landfill					

WEKIVA PARKWAY PD&E STUDY

INITIAL ALTERNATIVES - UNIQUE SEGMENTS

Orange County North

Segment	Displacements			Area Impacts (acres)				Threatened/Endangered Species (Probability): Observed=High(H); Likely=Moderate(M); Possible=Low(L); Unknown(U)										Other		Notes
	Residential	Commercial	Nursery	ROW	Public Land	Floodplain	Wetlands	Black Bear	Gopher Tort	Scrub Jay	Burrow Owl	Sd Hill Crane	Wood Stork	Indigo Snake	White Ibis	Fox Squirrel	Other	P & U Farmlands (ac)		
OCN - 1	0	0	0	20.14	0	0	2.28													
OCN - 2	4	0	0	62.87	0	0	0		H					M						
OCN - 3	11	0	3	73.34	0	0	0			L										
OCN - 4	2	0	1	16.93	0	0	0													
OCN - 5	4	0	1	43.15	0	0	0										0.42			
OCN - 6	3	0		13.15	0	0	0													
OCN - 7	6	0	2	51.71	1.04 *	0	0												County Retention Pond	
OCN - 8	0	0	0	10.11	0	0	0										2.06			
OCN - 9	5	0	2	52.37	0.02 *	0	0										8.46		County Retention Pond	
OCN - 10	14	0	2	59.81	0	0	0			L										
OCN - 11	7	0	0	75.03	0	4.83	5.9			L										
OCN - 12	5	0	1	42.24	0	0	0													
OCN - 13	8	0	2	65.28	0	6.87	5.32													
OCN - 14	3	0	3	49.19	0	0	0.69		H					M			8.28			
OCN - 15	6	0	0	65.3	17.99 *	11.52	5.84												Future O.C.Park/Cons.	
OCN - 16	1	0	2	49.72	0	0	0										1.71			
OCN - 17	7	0	1	65.95	14.64 *	14.8	0.63												Future O.C.Park/Cons.	
OCN - 18	2	0	0	18.38	9.33 *	13.28	8.7												Future O.C.Park/Cons.	
OCN - 19	4	0	2	55.48	19.56 *	4.16	0				H								Future O.C.Park/Cons.	
OCN - 20	4	0	0	7.93	0	0	0													
OCN - 21	6	0	3	68.39	1.79 *	11.07	6.1		H					M					Future O.C.Park/Cons.	
OCN - 22	1	0	0	8.32	0	0	0		H					M						
OCN - 23	3	0	0	12.03	0	6.63	0.52													
OCN - 24	1	0	1	17.42	0	0	0													
OCN - 25	1	0	1	18.47	0	0	0.35													
OCN - 26	0	0	0	14.43	0	3.22	4.88													
OCN - 27	0	0	0	12.3	0	0	0										1.71			
OCN - 28	0	0	0	12.9	0	0	0													
OCN - 29	0	0	0	8.35	0	2.41	0.46		H					M			2.85			
OCN - 30	1	0	0	9.8	0	1.97	0		H					M			4.64			
OCN - 31	0	0	0	13.26	0	11.22	13.19		H					M						
OCN - 32	0	0	0	24.6	0	16.87	16.39		H					M						
OCN - 33	0	0	0	15.53	0	15.53	8.67		H					M						
OCN - 34	0	0	0	24.75	0.13 **	16.67	8.25		H					M					Rock Springs Run S.R.	
OCN - 35	0	0	0	35.1	0	12.61	1.08		H					M						
OCN - 36	0	0	0	48.2	5.77 **	5.61	3.66		H					M					Rock Springs Run S.R.	
OCN - 37	0	0	0	34.46	0	17.99	4.73		H					M						
OCN - 38	0	0	0	45.88	6.45 **	4.53	2.75		H					M					Rock Springs Run S.R.	
OCN - 39	0	0	0	5.82	0	5.82	5.82		H					M						
OCN - 40	0	0	0	6.54	0	6.54	6.54		H					M						
					*Orange County Public Lands															
					**State of Florida Public Lands															

Orange County South

Page A4

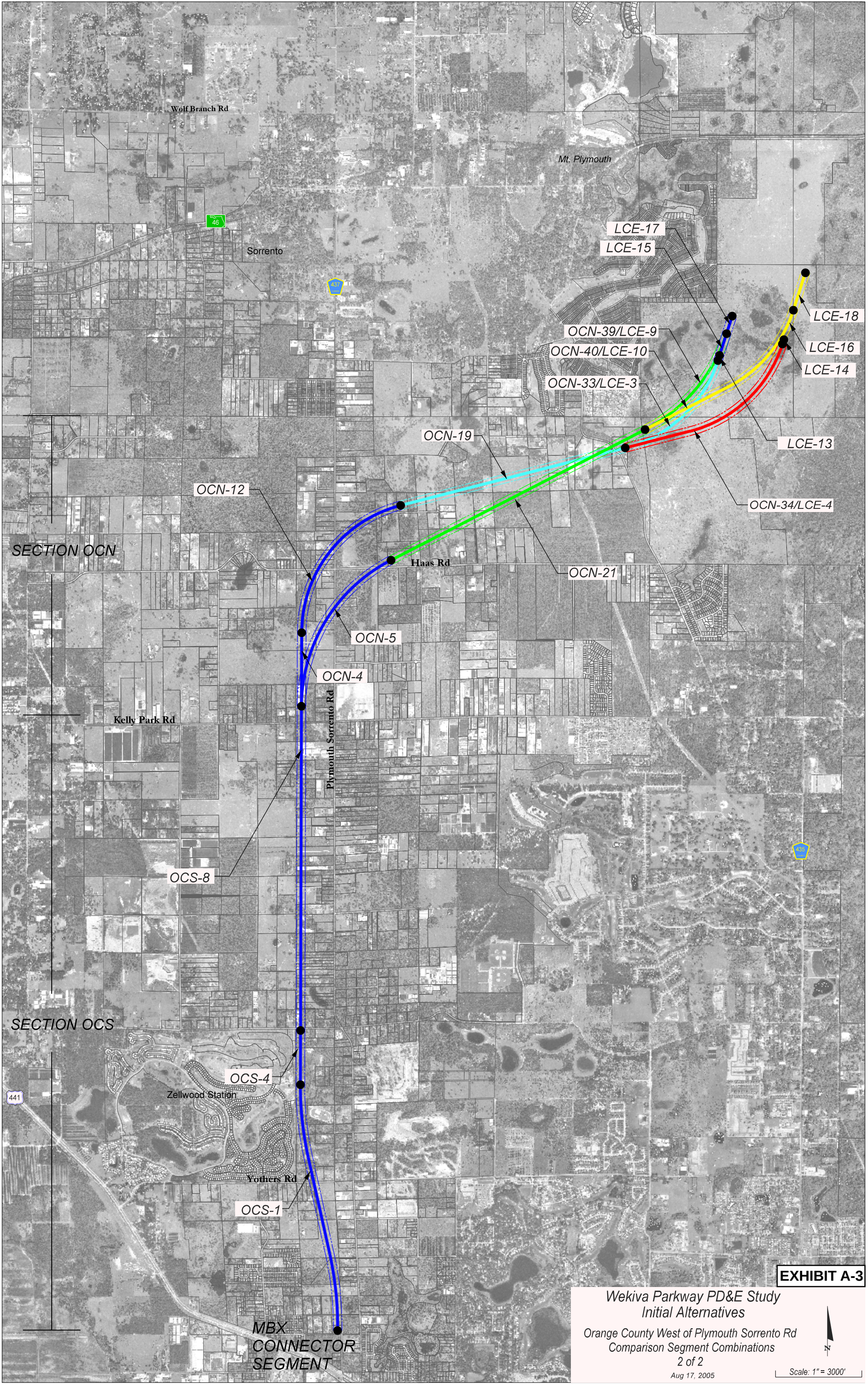


EXHIBIT A-3

Wekiva Parkway PD&E Study
Initial Alternatives
Orange County West of Plymouth Sorrento Rd
Comparison Segment Combinations
2 of 2
Aug 17, 2005

Scale: 1" = 3000'

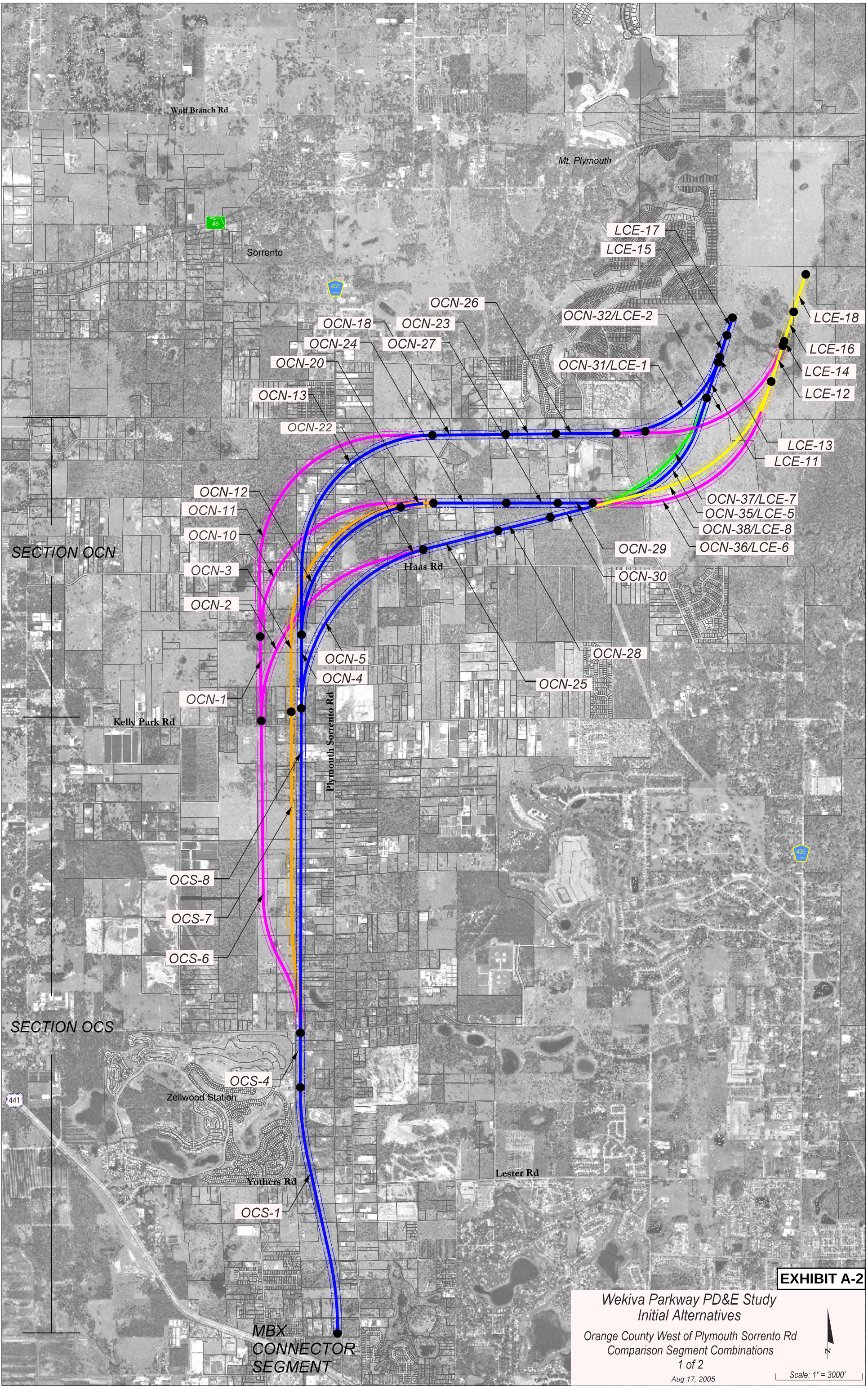


EXHIBIT A-2

*Wekiva Parkway PD&E Study
Initial Alternatives*
Orange County West of Plymouth Sorrento Rd
Comparison Segment Combinations
1 of 2
Aug 17, 2005

Scale: 1" = 3000'

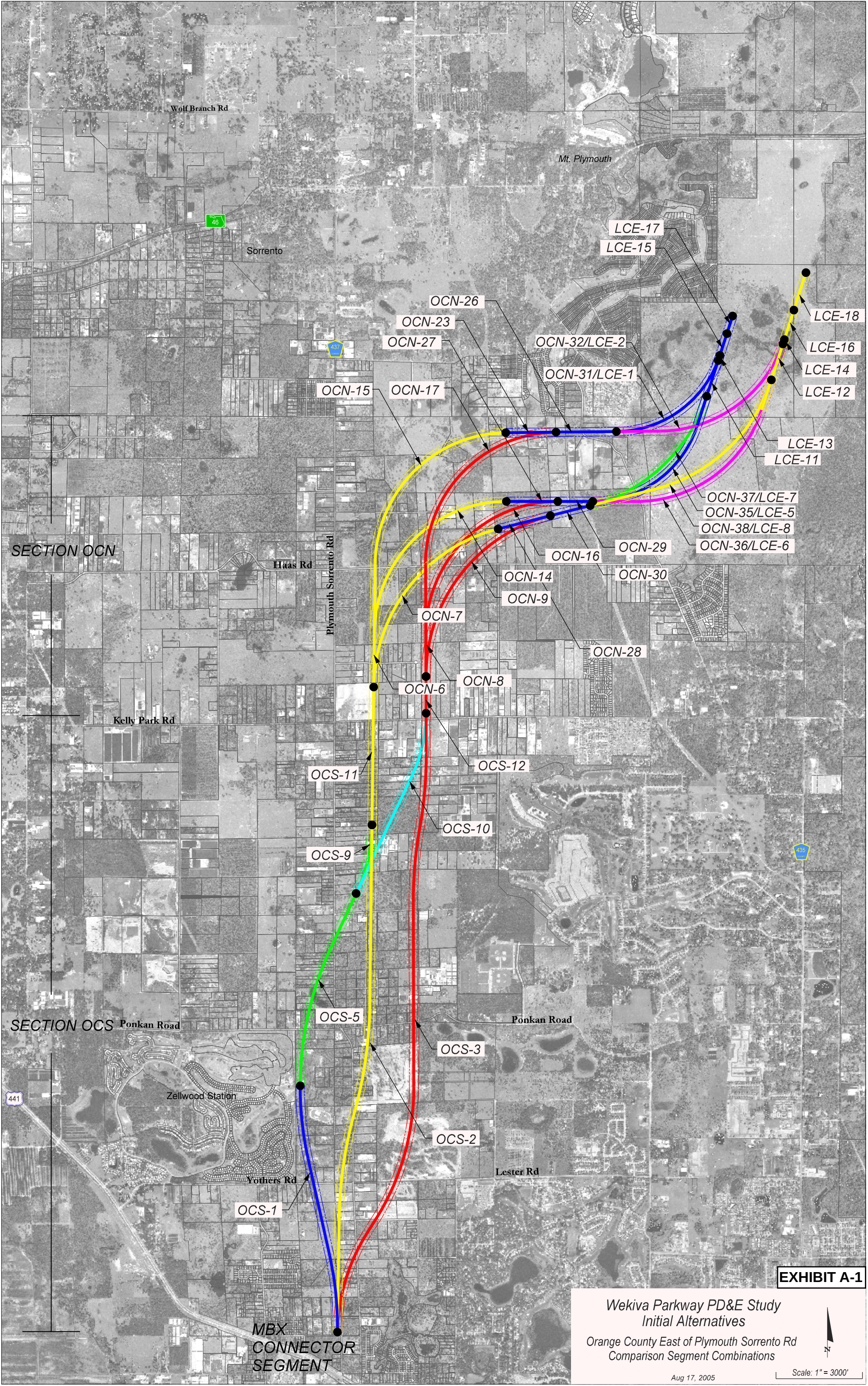


EXHIBIT A-1

Wekiva Parkway PD&E Study
Initial Alternatives
Orange County East of Plymouth Sorrento Rd
Comparison Segment Combinations

Aug 17, 2005

Scale: 1" = 3000'

APPENDIX A

INITIAL ALTERNATIVES EXHIBITS

AND

IMPACT ANALYSIS SPREADSHEETS

CONTENTS:

Exhibit A-1 Orange County Initial Alternatives East of Plymouth Sorrento Road

Exhibit A-2 Orange County Initial Alternatives West of Plymouth Sorrento Road (1 of 2)

Exhibit A-3 Orange County Initial Alternatives West of Plymouth Sorrento Road (2 of 2)

Impact Analysis Spreadsheets for Orange County Initial Alternatives

Exhibit A-4 Lake County West Initial Alternatives with Interchange Concepts 1-1 & 1-2

Exhibit A-5 Lake County West Initial Alternatives with Interchange Concepts 2 & 3

Impact Analysis Spreadsheets for Lake County West Initial Alternatives

Exhibit A-6 Lake County East Initial Alternatives

Impact Analysis Spreadsheets for Lake County East Initial Alternatives

Exhibit A-7 Seminole County Initial Alternatives

Impact Analysis Spreadsheets for Seminole County Initial Alternatives

INITIAL ALTERNATIVES - COMPARISON OF SEGMENT COMBINATIONS

[illegible]