

Table C-1
Wetlands and Surface Waters in the Proposed Alternative

	Size		*			Vegetative Structural Diversity	cteristics and Edge	Wildlife Habitat Value	Hydrologic Functions	Public Use	Integrity		Estimated Area of Impact		Reason for Impact
Wetland ID			Contiguity	FLUCFCS	NWI	Habitat Characteristics and Dominant Vegetative Species						UMAM Score 1			
	Square Feet	Acres	ပိ	FL		Dominant Vegetative Species		Value		3	드		Square Feet	Acres	
1	75,805	1.74	1	534	PUB2Hx	Pond, excavated	N	L	1, 2	-	М	-	38,109	0.87	Road
2	31,905	0.73	1	631	PSS6/7	Wetland Shrub - shrubby willow / wax myrtle wetland	N, R, I	L	1, 2	-	Α	0.47	7,713	0.18	in ROW
3	42,897	0.98	2	631	PSS6/7	Wetland Shrub - shrubby willow / wax myrtle wetland	N, I	Р	1, 2	-	М	-	9,983	0.23	in ROW
						Freshwater Marsh; seasonally flooded, herbacecous, few									
4	118,262	2.71	1	641	PEM1	shrubs or trees	N, C	G	1, 2	-	N	-	11,875	0.27	Road
5	9,749	0.22	1	631	PSS6/7	Wetland Shrub - shrubby willow / wax myrtle wetland	N, R	L	1, 2	-	N	-	5,363	0.12	in ROW
6	63,906	1.47	1	643	PEM1	Wet Prairie, seasonally saturated, grasses, sedges, low- growing herbs	R	L	1, 2	-	Α	-	50,244	1.15	in ROW
_						Freshwater Marsh; flooded, floating and emergent aquatic									
7	14,853	0.34	1	644	PEM1	vegetation	R, A	L	1, 2	-	N	-	1,505	0.03	in ROW
8	28,954	0.66	2	631	PSS6/7	Wetland Shrub - shrubby willow / wax myrtle wetland	N, A	G	1, 2	-	N	-	3,293	0.08	in ROW
9	15,001	0.34	1	641	PEM1	Freshwater Marsh; seasonally flooded, herbacecous, few shrubs or trees	R		1		М		15,001	0.34	Road
3	13,001	0.54	'	041	1 LIVIT	Wet Prairie, seasonally saturated, grasses, sedges, low-	IX		'		IVI		13,001	0.34	Road and in
10	46,344	1.06	1	643	PEM1	growing herbs	N	G	1, 2	_	N	_	24,682	0.57	ROW
10	40,044	1.00		0-10		Wet Prairie, seasonally saturated, grasses, sedges, low-			1, 2		.,		24,002	0.01	
11	1,727,312	39.65	1	643	PEM1	growing herbs	N	G	1, 2	-	N	-	39,643	0.91	Road, Pond
	, ,					Wet Prairie, seasonally saturated, grasses, sedges, low-			,				,		Road and in
12	432,764	9.93	1	643	PEM1	growing herbs	N	G	1, 2	-	N	-	51,485	1.18	ROW
						Wet Prairie, seasonally saturated, grasses, sedges, low-									Road and in
13	7,785,449	178.73	1	643	PEM1	growing herbs	N	G	1, 2	-	N	-	419,221	9.62	ROW
															Road and in
14	57,843	1.33	1	524	LUB2H	Natural lake, less than 10 ac in size	N	Р	1	-	M	-	34,522	0.79	ROW
15	121,179	2.78	1	524	LUB2H	Natural lake, less than 10 ac in size	N	Р	1	-	М	-	3,979	0.09	in ROW
40	000 570	5.04		044	DEM	Freshwater Marsh; permanently flooded, herbaceous,			4.0			0.07	47.404	0.40	. 5011
16	232,576	5.34	2	641	PEM1	emergent Freshwater Marsh; seasonally flooded, herbacecous, few	H, N	G	1, 2	1	N	0.87	17,421	0.40	in ROW Road and in
17	96,017	2.20	1	641	PEM1	shrubs or trees	N, A	G	1, 2	1	N	_	24,142	0.55	ROW
- ''	30,017	2.20		0+1	1	Mixed Wetland hardwoods, dominated by maple, bays,	IV, A		1, 2		- 14		27,172	0.55	i.cvi
18	329,421	7.56	2	617	PFO1F	sweetgum, and elm	N, A	G	1, 2	1	N	_	62,981	1.45	Road
						Wetland Forested Mix of maple, bays, sweetgum, elm, pine,	.,,		., _	<u> </u>			0=,000		
19	26,261	0.60	1	630	PFO1F	and cypress	N, R, A	G	1, 2	1	N	-	8,611	0.20	Pond
						Wetland Forested Mix of maple, bays, sweetgum, elm, pine,			İ						Road and in
20 >	43,560,000	1,000.00	2	630	PFO1F	and cypress	N		1, 2	1	N	-	142,861	3.28	ROW
						Freshwater Marsh; seasonally flooded, herbacecous, few									Road and in
21	173,872	3.99	1	641	PEM1	shrubs or trees	Α	G	1, 2	1	N	-	113,864	2.61	ROW
						Freshwater Marsh; seasonally flooded, herbacecous, few									Road and in
22	14,000	0.32	1	641	PEM1	shrubs or trees	N, R	G	1, 2	-	N	-	14,105	0.32	ROW
					DEM	Freshwater Marsh; seasonally flooded, herbacecous, few									
23	59,778	1.37	2	641	PEM1	shrubs or trees	N	G	1, 2	1	N	-	-	-	Dandendin
24 >	435,600	10.00	2	631	PSS6/7	Wetland Shrub - shrubby willow / wax myrtle wetland	N, A	G	1, 2	1	N	0.90	43,346	1.00	Road and in ROW
25	9,880	0.23	2	631	PSS6/7	Wetland Shrub - shrubby willow / wax myrtle wetland Wetland Shrub - shrubby willow / wax myrtle wetland	N, A N, A	ı	1, 2	1	N	0.90	7,796	0.18	Road
25	3,300	0.23		001	1 000,1	Freshwater Marsh; seasonally flooded, herbacecous, few	14, 7		1, 2	<u>'</u>	- 1	0.50	1,190	0.10	Noau
26	19,697	0.45	2	641	PEM1	shrubs or trees	N. A	G	1, 2	1	N	0.90	10,719	0.25	Road
	12,307	5.70		•	<u> </u>	Freshwater Marsh; seasonally flooded, herbacecous, few	,		-, =		 	1		1.20	Road and in
27	14,479	0.33	2	641	PEM1	shrubs or trees	N, A	G	1, 2	1	N	0.90	13,820	0.32	ROW
						Wet Prairie, seasonally saturated, grasses, sedges, low-									Road and in
28	479,138	11.00	2	643	PEM1	growing herbs	N, A	G	1, 2	1	N	-	155,260	3.56	ROW

Table C-1
Wetlands and Surface Waters in the Proposed Alternative

			*			Vegetative Structural Diversity				_						
Wetland ID "W"		Size		Contiguity	FLUCFCS	NWI	Habitat Characteristics and	Edge Relationships	nshins Habitat	Hydrologic Functions	Public Use	Integrity	UMAM Score ¹	Estimated /		Reason for Impact
		Square Feet	Acres	Col	FLU		Dominant Vegetative Species		Value		P.	드		Square Feet	Acres	
29		93,390	2.14	2	641	PEM1	Freshwater Marsh; seasonally flooded, herbacecous, few shrubs or trees	N, A	G	1, 2	1	N	_	61,846	1.42	Road and in ROW
							Wetland Forested Mix of maple, bays, sweetgum, elm, pine,	,		ŕ				, , , , , , , , , , , , , , , , , , , ,		
30		372,217	8.54	2	630	PFO1F	and cypress	N, A	G	1, 2	1	N	-	-	-	
							Wet Prairie, seasonally saturated, grasses, sedges, low-									
31	>	435,600	10.00	2	643	PEM1	growing herbs	N, A	G	1, 2	1	N	-	-	-	
							Wetland Forested Mix of maple, bays, sweetgum, elm, pine,									
32		216,722	4.98	2	630	PFO1F	and cypress	N, A	G	1, 2	1	N	-	-	-	5
33		871,200	20.00	4	630	PFO1F	Wekiva River Floodplain - Wetland Forested Mix of maple, bays, sweetgum, elm, pine, and cypress	N, H	н	1 2 2	4 4	N	0.93	28,669	0.66	Bridge and ROW
33	>	671,200	20.00	4	630	FFUIF	Wekiva River Floodplain - Freshwater Marsh; flooded, floating	IN, ⊓	П	1, 2, 3	1, 4	IN	0.93	20,009	0.00	Bridge and
33	Α	53,196	1.22	4	644	PEM1	and emergent aquatic vegetation	N, H	н	1, 2, 3	1, 4	N	0.93	4,295	0.10	ROW
33	^	33,130	1.22		044	1 21411	Wekiva River Floodplain - Wetland Forested Mix of maple,	14,11	''	1, 2, 3	1, 7	- 14	0.55	7,200	0.10	Bridge and
34	>	4,356,000	100.00	4	630	PFO1F	bays, sweetgum, elm, pine, and cypress	N, H	н	1, 2, 3	1, 4	N	0.93	78,741	1.81	ROW
0.		1,000,000	100.00	·	000		and oppose	.,,		., 2, 0	., .		0.00	70,711		Bridge and
35	>	4,356,000	100.00	4	510	R3UB2H	Wekiva River, open water portion	N, H	Н	1, 3	1, 4	N	0.93	39,275	0.90	-
		, ,					Wekiva River Floodplain - Wetland Forested Mix of maple,	,		, -	,					Bridge and
36	>	435,600	10.00	4	630	PFO1F	bays, sweetgum, elm, pine, and cypress	N, H	Н	1, 2, 3	1, 4	N	0.93	138,610	3.18	ROW
							Wekiva River Floodplain - Wetland Forested Mix of maple,									Bridge and
37	>	217,800	5.00	4	630	PFO1F	bays, sweetgum, elm, pine, and cypress	N, H	Н	1, 2, 3	1, 4	N	0.93	33,235	0.76	ROW
38		145,079	3.33	2	631	PSS6/7	Wetland Shrub - shrubby willow / wax myrtle wetland	H, R, N	L	1, 2	-	N	-	4,845	0.11	in ROW
						PEM1/	Freshwater Marsh; seasonally flooded, herbacecous, few									
39		277,415	6.37	1	641/534	PUB2Hx	shrubs or trees / partially excavated into pond	N, C	G	1, 2	-	Α	-	-	-	
						55015	Wetland Forested Mix of maple, bays, sweetgum, elm, pine,									
40		86,673	1.99	1	630	PFO1F	and cypress	H, R	L	1, 2	-	N	-	8,880	0.20	in ROW
40	,	04.500	4 40	1	044	PEM1	Freshwater Marsh; flooded, floating and emergent aquatic vegetation	N. 11	_	4.0						:- DOW
40 41	А	64,520 66,984	1.48 1.54	1	644 534	PUB2Hx	Pond, excavated	N, H R	G P	1, 2 1, 2		N M	-	9,252	0.21	in ROW in ROW
41		00,964	1.54	- '	534	FUBZITX	Foriu, excavateu	K	Р	1, 2		IVI	-	9,252	0.21	III KOW
							Mixed Wetland hardwoods, dominated by maple, bays,									Road, Pond
41	Α	385,091	8.84	1	617	PFO1F	sweetgum, and elm	R, A	L	1, 2	_	N	-	267,418	6.14	ROW
							"Lake Sten" - Freshwater Marsh; seasonally flooded,	,		,				, ,		
42		662,843	15.22	1	641	PEM1	herbacecous, few shrubs or trees	H, N	G	1, 2	-	N	0.60	488,583	11.22	Road
43		298,717	6.86	1	534	PUB2Hx	Pond, excavated	H, N	L	1, 2	-	M	-	78,715	1.81	Road
																Road and
44		484,498	11.12	1	534	PUB2Hx	Pond, excavated	Н	Р	1, 2	-	M	-	484,498	11.12	Pond
																Road and
45	Щ	138,294	3.17	1	534	PUB2Hx	Pond, excavated	Н	P	1, 2	-	М	-	138,294	3.17	Pond
46		88,420	2.03	1	534	PUB2Hx	Pond, excavated	H, C	P	1, 2	-	M	-	22,151	0.51	Road
47	\sqcup	101,608	2.33	1	631	PSS6/7	Wetland Shrub - shrubby willow / wax myrtle wetland	H, C	Р	1, 2	-	Α	-	9,324	0.21	Road
40		040.004	44.00		044	DEM4	Freshwater Marsh; seasonally flooded, herbacecous, few	UND		1 0			0.70	70.004	4.00	D'
48	H	648,981	14.90	2	641	PEM1	shrubs or trees	H, N, R	G	1, 2		N	0.70	72,291	1.66	Road Road and
49		349,070	8.01	2	631	PSS6/7	Wetland Shrub - shrubby willow / wax myrtle wetland	H, N, R, I	G	1, 2	_	Α	0.70	224,294	5.15	Pond
50	H	413,791	9.50	2	534	PUB2Hx	Pond, excavated	H, N, R, I	ı	1, 2		A	0.70	5,980	0.14	in ROW
50	H	713,731	3.30		337	. ODZ.IX	Freshwater Marsh; seasonally flooded, herbacecous, few	11, 13, 13, 1		1, 2			0.70	3,360	0.14	in ROW,
51		1,462,226	33.57	2	641	PEM1	shrubs or trees	H, N, R	G	1, 2	_	N	0.70	122,942	2.82	Pond
÷.	H	., . 52,220	30.07	-			Freshwater Marsh; seasonally flooded, herbacecous, few	,,		., _		- 		,	2.02	
52		105,468	2.42	2	641	PEM1	shrubs or trees	H, N, R	G	1, 3	-	N	-	12,720	0.29	Road

Table C-1
Wetlands and Surface Waters in the Proposed Alternative

Wetland ID "W"			*		Vegetative Structural Diversity				6									
	Size		ontiguity	Habitat Characteristics and Relationships Dominant Vegetative Species		Edge Relationships	Wildlife Habitat	Hydrologic Functions	ublic Use	Integrity	UMAM Score 1	Estimated Area of Impact		Reason for				
	Square Feet	Acres	Con	Con	Con		Sol	FLU		Dominant Vegetative Species		Value		Put	Ē	000.0	Square Feet	Acres
						Freshwater Marsh; seasonally flooded, herbacecous, few												
53	256,736	5.89	2	641	PEM1	shrubs or trees	H, N, R	Н	1, 4	•	N	-	25,921	0.60	Road, Pond			
5.4	10.710	0.40		0.40	DEM	Wet Prairie, seasonally saturated, grasses, sedges, low-							045	0.04				
54	18,740	0.43	2	643	PEM1	growing herbs	N, R	G	1	-	N	-	615	0.01	in Row			
55	106.580	2.45	1	643	PEM1	Wet Prairie, seasonally saturated, grasses, sedges, low- growing herbs	N, R	G	1, 2	1	N	0.63	21,254	0.49	in ROW			
00	100,000	2.40		040		Freshwater Marsh; flooded, floating and emergent aquatic	14,10		1, 2	<u> </u>	- ' '	0.00	21,204	0.40	mi itovi			
56	117,716	2.70	1	644	PEM1	vegetation	N, R	G	1, 2	1	N	0.63	42,177	0.97	in ROW			
57	13,262	0.30	1	643	PEM1	Wet Prairie, seasonally saturated, grasses, sedges, low- growing herbs	N, R	G	1	-	N	-	2,231	0.05	in ROW			
58	383,540	8.80	1	641	PEM1	Freshwater Marsh; seasonally flooded, herbacecous, few shrubs or trees	N, R	G	1, 2	-	N	-	3,506	0.08	in ROW			
59	382,930	8.79	1	630	PFO1F	Wetland Forested Mix of maple, bays, sweetgum, elm, pine, and cypress	N, R	G	1, 2	-	N	-	51,208	1.18	Road and in ROW			
59 A	18,363	0.42	1	641	PEM1	Freshwater Marsh; seasonally flooded, herbacecous, few shrubs or trees	N, R	G	1	_	N	-	18,363	0.42	Road			
60	220,030	5.05	1	524	LUB2H	Natural lake, less than 10 ac in siz€	A	L	1, 2	-	N	-	54,585	1.25	Road			
61	40,712	0.93	1	641	PEM1	Freshwater Marsh; seasonally flooded, herbacecous, few shrubs or trees	N	G	1	-	N	-	26,989	0.62	Road			
62	259,463	5.96	1	641	PEM1	Freshwater Marsh; seasonally flooded, herbacecous, few shrubs or trees	H, C, R	L	1, 2	-	N	-	-	-				
63	1,326,316	30.45	2	617		Mixed Wetland hardwoods, dominated by maple, bays, sweetgum, and elm	H, C, R	L	1, 2	-	A	-	222,838	5.12	Pond			
64	282,174	6.48	1	534	PUB2Hx	Pond, excavated	H, N	Р	1, 2	-	М	-	113,917	2.62	Road			
Total	76,636,907	1,759			-		-						4,250,006	97.56				

Notes:

Contiguity - *Preliminary estimate; has not been field verified by the USACE

- (1) Perched or isolated from a regional surface water drainage system, including flats and depressions.
- (2) Joined to a regional drainage system by an indistinct natural connection or by a small or partly obscured ditch.
- (3) Joined to a regional drainage system by a distinct natural connection or by a well-defined ditch or canal.
- (4) Contiguous to or within a primary regional drainage way, including tidal and fringe systems.

FLUCFCS = Florida Land Use, Cover and Forms Classification System (FDOT 1999)

NWI = National Wetlands Inventory (Cowardin et. al., 1979)

Edge Relationships - (H) Highway, (N) Natural Area, (R) Residential, (C) Commercial, (I) Industrial, (A) Agriculture

Hydrologic Functions -

- (1) Water Quality Enhancement/Pollution Abatement capacity to retain or absorb waterborne particulates or chemical compounds.
- (2) Water Detention/Flood and Erosion Control capacity to regulate surface water runoff, reducing downstream peak flows during flood periods and/or maintaining base flows during dry periods.
- (3) Ground Water Recharge/Discharge capacity to interact with subsurface aquifers.

¹ **UMAM** – Uniform Mitigation Assessment Method – A functional analyses was performed on a subset of wetlands representative of those potentially impacted.

Wildlife Habitat Value -

- (H) High value, used by many animal groups at several trophic levels and by T&E Species.
- (G) Good value, used by several animal groups.
- (L) Low value, used by only a few, common animal groups.
- (P) Poor value, does not provide any useful habitat

Public Use -

- (1) Recreational, scientific, or cultural uses or values.
- (2) Food and fiber (timber) uses.
- (3) Public water supply system uses.
- (4) Special use classification or designations (e.g. OFW, AP)

Integrity - Aside from being secondarily affected by the adjacent highway -

- (N) Natural condition,
- (M) Man-made,
- (A) Altered significantly by development (encroachment of exotics or hydrology is changed).