

Table 27. Summary of Performance Measures Values for Each Alternative

Planning Objective 1. Restore Water Deliveries to ENP										
Measure	No Action	3000-ft Bridge	4-Mile Central Bridge	4-Mile East Bridge	3-Mile Bridge	2-Mile Bridge	2-Mile & 1-Mile Bridges	1.3 Mile & 0.7-Mile Bridges	(3) 3,000-Foot Bridges	10-Mile Bridge
PM 1.A. Average Annual Flows x 1000 ac-ft	493	683	683	683	683	683	683	683	683	683
PM 1.B. Proportion of Area within One Mile of Tamiami Trail with Low Velocity (<0.1 f/s)	0.973	0.940	0.986	0.985	0.968	0.952	0.957	0.956	0.956	0.999
PM 1.C. Distribution of flows from L-29 Canal into NESS (%)	0	8	39	39	30	21	34	25	25	100
PM 1.D. Distribution of flows from East to West L-29 Canal into NESS (%)	0	57	46	23	57	51	59	61	70	100
Planning Objective 2. Restore Ridge and Slough Processes										
Measure	No Action	3000-ft Bridge	4-Mile Central Bridge	4-Mile East Bridge	3-Mile Bridge	2-Mile Bridge	2-Mile & 1-Mile Bridges	1.3 Mile & 0.7-Mile Bridges	(3) 3,000-Foot Bridges	10-Mile Bridge
PM 2.A. Reverse Filling-in of Sloughs	0	1	5	5	4	2	4	3	2	7
PM 2.B. Difference Between Avg Velocity in Marsh and Avg Velocity at Road (Ratio)	0.014	0.137	0.556	0.556	0.500	0.455	0.455	0.345	0.238	1.000
PM 2.C. Enhance Flows from L29 Canal into Deep Sloughs	0	11	45	34	37	30	39	27	23	91
Planning Objective 3. Restore Vegetative Communities										
Measure	No Action	3000-ft Bridge	4-Mile Central Bridge	4-Mile East Bridge	3-Mile Bridge	2-Mile Bridge	2-Mile & 1-Mile Bridges	1.3 Mile & 0.7-Mile Bridges	(3) 3,000-Foot Bridges	10-Mile Bridge
PM 3.A. Shift to Open Water, Spikerush Marsh and Slough Communities to NESS	0	1	6	4	5	4	5	3	4	7
PM 3.B. Risk of Ridge and Tree Island Peat Burning in NESS	2	5	6	6	6	6	6	6	6	7
PM 3.C. Invasion of exotic woody plant species	2	4	6	6	5	4	5	4	4	7
Planning Objective 4. Restore Fish and Wildlife Resources										
Measure	No Action	3000-ft Bridge	4-Mile Central Bridge	4-Mile East Bridge	3-Mile Bridge	2-Mile Bridge	2-Mile & 1-Mile Bridges	1.3 Mile & 0.7-Mile Bridges	(3) 3,000-Foot Bridges	10-Mile Bridge
PM 4.A. Abundance of Fishes in ENP Marshes	0	1	5	5	4	3	4	3	3	7
PM 4.B. Conditions for Wading Bird Foraging and Nesting	0	1	5	4	4	3	4	3	3	7
PM 4.C. Reduction in wildlife mortality (No. per Year)	0	148	1044	1044	783	522	783	522	455	2737

Source: USACE.

