

APPENDIX F

**New Bulkheads - Order of Magnitude Cost Estimate
Port Everglades 2009 Master Plan Update**

Berth/Bulkhead ID	Length	Bulkhead Cost	Fendering Cost	Bollard Cost	Apron Cost	Utility Cost	Sub Cost w/Contingency	GC Costw/O&P	Design/Inspection	Total Costs	Milestone Plan Year
Berth 1, 2 & 3	1,621	\$ 19,452,000	\$ 185,000	\$ 50,000	\$ 2,431,500	\$ 486,300	\$ 25,995,520	\$ 28,595,072	\$ 2,859,507	\$ 31,454,579	10
Berth 4 (existing)	921	\$ 11,052,000	\$ 185,000	\$ 50,000	\$ 1,381,500	\$ 276,300	\$ 14,886,520	\$ 16,375,172	\$ 1,637,517	\$ 18,012,689	20
Berth 4 (extension)	250	\$ 3,000,000			\$ 375,000	\$ 75,000	\$ 3,967,500	\$ 4,364,250	\$ 436,425	\$ 4,800,675	5
Bulkhead 4-5 (existing)	270	\$ 3,240,000					\$ 3,726,000	\$ 4,098,600	\$ 409,860	\$ 4,508,460	5
Bulkhead 4-5 (extension)	205	\$ 2,460,000					\$ 2,829,000	\$ 3,111,900	\$ 311,190	\$ 3,423,090	20
Berth 5	902	\$ 10,824,000	\$ 150,000	\$ 50,000	\$ 1,353,000	\$ 2,255,000	\$ 16,826,800	\$ 18,509,480	\$ 1,850,948	\$ 20,360,428	20
Berth 5 (extension)	250	\$ 3,000,000			\$ 375,000	\$ 625,000	\$ 4,600,000	\$ 5,060,000	\$ 506,000	\$ 5,566,000	5
Berth 6	406	\$ 4,872,000					\$ 5,602,800	\$ 6,163,080	\$ 616,308	\$ 6,779,388	20
Berth 6 (reduction)	-256	\$ (3,072,000)					\$ (3,532,800)	\$ (3,886,080)	\$ (388,608)	\$ (4,274,688)	20
Berth 7 & 8	1,194	\$ 14,328,000	\$ 150,000	\$ 50,000	\$ 895,500	\$ 2,985,000	\$ 21,169,775	\$ 23,286,753	\$ 2,328,675	\$ 25,615,428	20
Bulkhead 8-9 (existing)	300	\$ 3,600,000					\$ 4,140,000	\$ 4,554,000	\$ 455,400	\$ 5,009,400	20
Bulkhead 8-9 (extension 1)	125	\$ 1,500,000					\$ 1,725,000	\$ 1,897,500	\$ 189,750	\$ 2,087,250	5
Bulkhead 8-9 (extension 2)	50	\$ 600,000					\$ 690,000	\$ 759,000	\$ 75,900	\$ 834,900	20
Berth 9 & 10	1,194	\$ 14,328,000	\$ 150,000	\$ 50,000	\$ 1,343,250	\$ 2,985,000	\$ 21,684,688	\$ 23,853,156	\$ 2,385,316	\$ 26,238,472	5
Berth 11 (existing)	508	\$ 6,096,000			\$ 762,000		\$ 7,886,700	\$ 8,675,370	\$ 867,537	\$ 9,542,907	20
Berth 11 (reduction)	-433	\$ (5,196,000)					\$ (5,975,400)	\$ (6,572,940)	\$ (657,294)	\$ (7,230,234)	20
Berth 12 & 13 (existing)	1,232	\$ 14,784,000	\$ 220,000	\$ 80,000		\$ 3,080,000	\$ 20,888,600	\$ 22,977,460	\$ 2,297,746	\$ 25,275,206	20
Bulkhead 13-14 (existing)	300	\$ 3,600,000					\$ 4,140,000	\$ 4,554,000	\$ 455,400	\$ 5,009,400	20
Bulkhead 13-14 (extension)	300	\$ 3,600,000					\$ 4,140,000	\$ 4,554,000	\$ 455,400	\$ 5,009,400	20
Berth 14 & 15 (existing)	1,232	\$ 14,784,000	\$ 220,000	\$ 80,000	\$ 616,000	\$ 369,600	\$ 18,480,040	\$ 20,328,044	\$ 2,032,804	\$ 22,360,848	20
Berth 16, 17 & 18	1,654	\$ 19,848,000	\$ 220,000	\$ 80,000	\$ 2,481,000	\$ 496,200	\$ 26,593,980	\$ 29,253,378	\$ 2,925,338	\$ 32,178,716	10
Berth 19 & 20	1,289	\$ 15,468,000	\$ 185,000	\$ 50,000	\$ 1,933,500	\$ 386,700	\$ 20,726,680	\$ 22,799,348	\$ 2,279,935	\$ 25,079,283	20
Berth 21 & 22	1,479	\$ 17,748,000	\$ 185,000	\$ 50,000	\$ 2,218,500	\$ 443,700	\$ 23,741,980	\$ 26,116,178	\$ 2,611,618	\$ 28,727,796	20
Berth 23	500	\$ 6,000,000		\$ 50,000			\$ 6,957,500	\$ 7,653,250	\$ 765,325	\$ 8,418,575	20
Berth 24 & 25	1,373	\$ 16,476,000	\$ 185,000	\$ 50,000	\$ 2,059,500	\$ 411,900	\$ 22,059,760	\$ 24,265,736	\$ 2,426,574	\$ 26,692,310	20
Berth 33 (extension)	500	\$ 6,000,000	\$ 100,000	\$ 40,000	\$ 750,000	\$ 150,000	\$ 8,096,000	\$ 8,905,600	\$ 890,560	\$ 9,796,160	20
Total	17,366	\$ 208,392,000	\$ 2,135,000	\$ 730,000	\$ 18,975,250	\$ 15,025,700	\$ 282,046,643	\$ 310,251,307	\$ 31,025,131	\$ 341,276,437	

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	Berths Included	Bulkhead	Excavation	Contamination Removal	Total	MP 5-Year	MP 10-Year	MP 20-Year
5-Year Master Plan								
Slip 1 New Bulkheads and Reconfiguration - Phase 1	Bulkhead 8-9 (extension 1), Berths 9 & 10	\$ 28,325,722	\$ 18,963,054	\$ 8,000,000	\$ 55,288,776	\$ 55,000,000		
Slip 2 Westward Lengthening	Berth 4 (extension), Bulkhead 4-5 (extension), Berth 5 (extension)	\$ 14,875,135	\$ 6,427,557	\$ 2,000,000	\$ 23,302,692	\$ 23,000,000		
Turning Notch Expansion - Contract 1					\$ 67,080,000	\$ 67,000,000		
10-Year Vision Plan								
Berth 1, 2, 3 New Bulkheads	Berth 1, 2 & 3	\$ 31,454,579			\$ 31,454,579		\$ 31,000,000	
Berth 16, 17, 18 New Bulkheads	Berth 16, 17 & 18	\$ 32,178,716			\$ 32,178,716		\$ 32,000,000	
Turning Notch Expansion - Contract 2					\$ 28,810,000		\$ 29,000,000	
20-Year Vision Plan								
Slip 2 New Bulkheads and Widening	Berth 4 (existing), Bulkhead 4-5 (extension), Berth 5	\$ 41,796,207	\$ 22,878,298	\$ 6,000,000	\$ 70,674,505			\$ 71,000,000
Slip 1 New Bulkheads and Reconfiguration - Phase 2	Berth 6, Berth 6 (reduction), Berth 7 & 8, Bulkhead 8-9 (existing), Bulkhead 8-9 (extension 2)	\$ 33,964,428	\$ 8,316,766	\$ 6,000,000	\$ 48,281,194			\$ 48,000,000
Slip 3 New Bulkheads and Widening	Berth 11 (existing), Berth 11 (reduction), Berth 12 & 13 (existing), Bulkhead 13-14 (existing), Bulkhead 13-14 (extension)	\$ 37,606,679	\$ 34,885,128	\$ 13,000,000	\$ 85,491,807			\$ 85,000,000
Berth 14, 15 New Bulkheads	Berth 14 & 15 (existing)	\$ 22,360,848			\$ 22,360,848			\$ 22,000,000
Berth 19, 20 New Bulkheads	Berth 19 & 20	\$ 25,079,283			\$ 25,079,283			\$ 25,000,000
Berth 21, 22 New Bulkheads	Berth 21 & 22	\$ 28,727,796			\$ 28,727,796			\$ 29,000,000
Berth 23 New Bulkhead	Berth 23	\$ 8,418,575			\$ 8,418,575			\$ 8,000,000
Berth 24, 25 New Bulkheads	Berth 24 & 25	\$ 26,692,310			\$ 26,692,310			\$ 27,000,000
Berth 33 lengthening	Berth 33 (extension)	\$ 9,796,160	\$ 12,220,000		\$ 22,016,160			\$ 22,000,000
Total 20-Year Bulkhead Projects Cost		\$ 341,276,437	\$ 103,690,803	\$ 35,000,000	\$ 575,857,240			