



PORT EVERGLADES 2014 MASTER/VISION PLAN

APPENDIX H: ORDER-OF-MAGNITUDE COST ESTIMATES FOR PROJECTS

PRESENTED BY



2014 PORT EVERGLADES MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

Petroleum Slips Expansion - Phase I - Slip 1 Southward Expansion

Berths 8A (ext), 9 & 10

5 - Year Plan

PROJECT:

Start Year:

Impacts (e.g. berth out of service ? Mos.):

Duration (months): 18 to 21

PREPARED BY:

DATE PREPARED:

J. Carel

6/17/2014

ITEM DESCRIPTION	"S" IF SUBCON TRACT	LENGTH (FT)	WIDTH (FT)	HEIGHT OR DEPTH (FT)	QUANTITY	UNIT	UNIT COST	AMOUNT
Survey					1	nec	\$ 11,733	\$ 11,733
Underground Utility					216,000	sf	\$ 1.56	\$ 337,925
Environmental Assessment					216,000	sf	\$ 1.56	\$ 337,925
Clearing and Grubbing					216,000	sf	\$ 0.20	\$ 42,241
Utility Relocation - (petroleum)					216,000	sf	\$ 5.08	\$ 1,098,255
Excavation (above water)					59,200	CY	\$ 11.73	\$ 694,623
Environmental Mitigation					59,200	CY	\$ 11.73	\$ 694,623
Excavation (Below Water)					292,800	CY	\$ 31.68	\$ 9,276,033
Environmental Mitigation part 2					292,800	CY	\$ 3.91	\$ 1,145,189
Addl Excav (Below Water) to -45 MLW					28,500	CY	\$ 31.68	\$ 902,893
Addl Environmental Mitigation					28,500	CY	\$ 3.91	\$ 111,468
Bulkhead Wall					1,375	LF	\$ 7,822.33	\$ 10,755,705
Fenders					1,200	LF	\$ 172.09	\$ 206,510
Bollards					6	EA	\$ 117,334.97	\$ 704,010
Concrete Apron (40' min typ)					3,333	CY	\$ 273.78	\$ 912,605
Removal of Underwater Debris					2,182	ton	\$ 704.01	\$ 1,536,021
Remove Existing Bulkhead					1,380	LF	\$ 156.45	\$ 215,896
New Utilities					7,500	sf	\$ 1.96	\$ 14,667
PRIME CONTRACTOR'S WORK								\$ 28,998,322
Prime Contractor's Field Overhead 20%							\$ 5,799,664	
<i>SUBTOTAL</i>								\$ 34,797,987
Prime Contractor's Overhead on Sub(s) 5%							\$ -	
Prime Contractor's Home Office Overhead 10%							\$ 3,479,799	
Prime Contractor's Profit 10%							\$ 3,827,779	
<i>SUBTOTAL</i>								\$ 42,105,564
Prime Contractor's Bond 1.25%							\$ 526,320	
<i>SUBTOTAL</i>								\$ 42,631,883
Contingency 10%							\$ 4,263,188	
CONSTRUCTION TOTAL								\$ 46,895,072
Design and Construction Phase Services 10%							\$ 4,689,507	
TOTAL COST (ROUNDED)								\$ 51,600,000

Note: Engineer's Estimate of Probable Construction Cost provided herein was made on the Basis of the Engineer's experience and qualifications and represents Engineer's best judgment as an experienced and qualified Professional Engineer generally familiar with the construction industry. However, since the Engineer has no control over the cost of labor, material, equipment or services, or over the Contractor's method of determining prices, or over competitive or market conditions, the Engineer cannot and does not guarantee that proposals, bids or actual construction cost will not vary from the probable construction cost prepared by the Engineer.

2014 PORT EVERGLADES MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

Petroleum Slips Expansion - Phase II - Slip 1 North and West Bulkheads
Berths 7, 8 & 8A

PROJECT:

Start Year:

Impacts (e.g. berth out of service ? Mos.):

Duration (months): 12 to 15

PREPARED BY:

DATE PREPARED:

J. Carel

6/17/2014

ITEM DESCRIPTION	"S" IF SUBCON TRACT	LENGTH (FT)	WIDTH (FT)	HEIGHT OR DEPTH (FT)	QUANTITY	UNIT	UNIT COST	AMOUNT
Survey					1	nec	\$ 11,733	\$ 11,733
Addl Excav (Below Water) to -45 MLW					57,000	CY	\$ 31.68	\$ 1,805,785
Addl Environmental Mitigation					57,000	CY	\$ 3.91	\$ 222,936
Bulkhead Wall					1,495	LF	\$ 7,822.33	\$ 11,694,385
Fenders					1,200	LF	\$ 172.09	\$ 206,510
Bollards					6	EA	\$ 117,334.97	\$ 704,010
Removal of Underwater Debris					2,718	ton	\$ 704.01	\$ 1,913,627
PRIME CONTRACTOR'S WORK								\$ 16,558,986
Prime Contractor's Field Overhead							20% \$ 3,311,797	
SUBTOTAL								\$ 19,870,783
Prime Contractor's Overhead on Sub(s)							5% \$ -	
Prime Contractor's Home Office Overhead							10% \$ 1,987,078	
Prime Contractor's Profit							10% \$ 2,185,786	
SUBTOTAL								\$ 24,043,648
Prime Contractor's Bond							1.25% \$ 300,546	
SUBTOTAL								\$ 24,344,193
Contingency							10% \$ 2,434,419	
CONSTRUCTION TOTAL								\$ 26,778,613
Design and Construction Phase Services							10% \$ 2,677,861	
TOTAL COST (ROUNDED)								\$ 29,500,000

Note: Engineer's Estimate of Probable Construction Cost provided herein was made on the Basis of the Engineer's experience and qualifications and represents Engineer's best judgment as an experienced and qualified Professional Engineer generally familiar with the construction industry. However, since the Engineer has no control over the cost of labor, material, equipment or services, or over the Contractor's method of determining prices, or over competitive or market conditions, the Engineer cannot and does not guarantee that proposals, bids or actual construction cost will not vary from the probable construction cost prepared by the Engineer.

2014 PORT EVERGLADES MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

Petroleum Slips Expansion - Phase III - Slip 3 Northward Expansion and Berths 11, 12, 13 & 13A Bulkheads

PROJECT:

Start Year:

Impacts (e.g. berth out of service ? Mos.):

Duration (months): 18 to 21

PREPARED BY:

DATE PREPARED:

J. Carel

6/17/2014

ITEM DESCRIPTION	"S" IF SUBCONTRACT	LENGTH (FT)	WIDTH (FT)	HEIGHT OR DEPTH (FT)	QUANTITY	UNIT	UNIT COST	AMOUNT
Survey					1	nec	\$ 11,733	\$ 11,733
Underground Utility					300,370	sf	\$ 1.56	\$ 469,919
Environmental Assessment					300,370	sf	\$ 1.56	\$ 469,919
Clearing and Grubbing					300,370	sf	\$ 0.20	\$ 58,740
Utility Relocation - (petroleum)					300,370	sf	\$ 5.08	\$ 1,527,236
Excavation (above water)					96,786	CY	\$ 11.73	\$ 1,135,637
Environmental Mitigation					96,786	CY	\$ 11.73	\$ 1,135,637
Excavation (Below Water)					367,119	CY	\$ 31.68	\$ 11,630,488
Environmental Mitigation part 2					367,119	CY	\$ 3.91	\$ 1,435,863
Addl Excav (Below Water) to -45 MLW					77,953	CY	\$ 31.68	\$ 2,469,591
Addl Environmental Mitigation					77,953	CY	\$ 3.91	\$ 304,888
Bulkhead Wall					1,846	LF	\$ 7,822.33	\$ 14,440,023
Fenders					1,226	LF	\$ 172.09	\$ 210,984
Bollards					6	EA	\$ 117,334.97	\$ 704,010
Removal of Underwater Debris					3,220	ton	\$ 704.01	\$ 2,266,912
PRIME CONTRACTOR'S WORK								\$ 38,501,711
Prime Contractor's Field Overhead							20% \$ 7,700,342	
							SUBTOTAL	\$ 46,202,053
Prime Contractor's Overhead on Sub(s)							5% \$ -	
Prime Contractor's Home Office Overhead							10% \$ 4,620,205	
Prime Contractor's Profit							10% \$ 5,082,226	
							SUBTOTAL	\$ 55,904,485
Prime Contractor's Bond							1.25% \$ 698,806	
							SUBTOTAL	\$ 56,603,291
Contingency							10% \$ 5,660,329	
CONSTRUCTION TOTAL								\$ 62,263,620
Design and Construction Phase Services							10% \$ 6,226,362	
TOTAL COST (ROUNDED)								\$ 68,500,000

Note: Engineer's Estimate of Probable Construction Cost provided herein was made on the Basis of the Engineer's experience and qualifications and represents Engineer's best judgment as an experienced and qualified Professional Engineer generally familiar with the construction industry. However, since the Engineer has no control over the cost of labor, material, equipment or services, or over the Contractor's method of determining prices, or over competitive or market conditions, the Engineer cannot and does not guarantee that proposals, bids or actual construction cost will not vary from the probable construction cost prepared by the Engineer.

2014 PORT EVERGLADES MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

PROJECT: NeoBulk Storage Yard
 Start Year: _____ Duration (months): 3
 Impacts (e.g. berth out of service ? Mos.): _____

PREPARED BY: J. Carel
 DATE PREPARED: 12/11/2013

ITEM DESCRIPTION	"S" IF SUBCON TRACT	LENGTH (FT)	WIDTH (FT)	HEIGHT OR DEPTH (FT)	QUANTITY	UNIT	UNIT COST	AMOUNT
Yard Pavement Complete including utilities					13	acres	\$ 335,000	\$ 4,355,000
								\$ -
PRIME CONTRACTOR'S WORK								\$ 4,355,000
Prime Contractor's Field Overhead							20% \$ 871,000	
							<i>SUBTOTAL</i>	\$ 5,226,000
Prime Contractor's Overhead on Sub(s)							5% \$ -	
Prime Contractor's Home Office Overhead							10% \$ 522,600	
Prime Contractor's Profit							10% \$ 574,860	
							<i>SUBTOTAL</i>	\$ 6,323,460
Prime Contractor's Bond							1.25% \$ 79,043	
							<i>SUBTOTAL</i>	\$ 6,402,503
Contingency							10% \$ 640,250	
CONSTRUCTION TOTAL								\$ 7,042,754
Design and Construction Phase Services							10% \$ 704,275	
TOTAL COST (ROUNDED)								\$ 7,750,000

Note: Engineer's Estimate of Probable Construction Cost provided herein was made on the Basis of the Engineer's experience and qualifications and represents Engineer's best judgment as an experienced and qualified Professional Engineer generally familiar with the construction industry. However, since the Engineer has no control over the cost of labor, material, equipment or services, or over the Contractor's method of determining prices, or over competitive or market conditions, the Engineer cannot and does not guarantee that proposals, bids or actual construction cost will not vary from the probable construction cost prepared by the Engineer.

2014 PORT EVERGLADES MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

PROJECT: Slip 2 New Bulkheads and Widening (Berths 4, 5 and 6)

Start Year: _____ Duration (months): 12 to 15

Impacts (e.g. berth out of service ? Mos.): _____

PREPARED BY: J. Carel

DATE PREPARED: 6/17/2014

ITEM DESCRIPTION	"S" IF SUBCONTRACT	LENGTH (FT)	WIDTH (FT)	HEIGHT OR DEPTH (FT)	QUANTITY	UNIT	UNIT COST	AMOUNT
Survey					1	nec	\$ 11,733	\$ 11,733
Underground Utility					225,000	sf	\$ 1.56	\$ 352,005
Environmental Assessment					225,000	sf	\$ 1.56	\$ 352,005
Clearing and Grubbing					225,000	sf	\$ 0.20	\$ 44,001
Utility Relocation (Cruise and Cargo)					225,000	sf	\$ 2.74	\$ 616,009
Excavation (above water)					128,333	CY	\$ 11.73	\$ 1,505,799
Environmental Mitigation					128,333	CY	\$ 11.73	\$ 1,505,799
Excavation (Below Water)					295,833	CY	\$ 31.68	\$ 9,372,130
Environmental Mitigation part 2					295,833	CY	\$ 3.91	\$ 1,157,053
Addl Excav (Below Water) to -45 MLW					47,019	CY	\$ 31.68	\$ 1,489,594
Addl Environmental Mitigation					47,019	CY	\$ 3.91	\$ 183,901
Bulkhead Wall					1,285	LF	\$ 7,822.33	\$ 10,051,695
Fenders					1,285	LF	\$ 172.09	\$ 221,137
Bollards					6	EA	\$ 117,334.97	\$ 704,010
Concrete Apron (40' min typ)					1,904	CY	\$ 273.78	\$ 521,199
Removal of Underwater Debris					75	ton	\$ 704.01	\$ 52,801
Remove Existing Bulkhead					250	LF	\$ 156.45	\$ 39,112
PRIME CONTRACTOR'S WORK								\$ 28,179,982
Prime Contractor's Field Overhead							20% \$ 5,635,996	
<i>SUBTOTAL</i>								\$ 33,815,979
Prime Contractor's Overhead on Sub(s)							5% \$ -	
Prime Contractor's Home Office Overhead							10% \$ 3,381,598	
Prime Contractor's Profit							10% \$ 3,719,758	
<i>SUBTOTAL</i>								\$ 40,917,334
Prime Contractor's Bond							1.25% \$ 511,467	
<i>SUBTOTAL</i>								\$ 41,428,801
Contingency							10% \$ 4,142,880	
CONSTRUCTION TOTAL								\$ 45,571,681
Design and Construction Phase Services							10% \$ 4,557,168	
TOTAL COST (ROUNDED)								\$ 50,100,000

Note: Engineer's Estimate of Probable Construction Cost provided herein was made on the Basis of the Engineer's experience and qualifications and represents Engineer's best judgment as an experienced and qualified Professional Engineer generally familiar with the construction industry. However, since the Engineer has no control over the cost of labor, material, equipment or services, or over the Contractor's method of determining prices, or over competitive or market conditions, the Engineer cannot and does not guarantee that proposals, bids or actual construction cost will not vary from the probable construction cost prepared by the Engineer.

2014 PORT EVERGLADES MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

PROJECT:

Slip 3 South Berths 14 & 15 Bulkheads

Start Year:

Duration (months): 12 to 15

Impacts (e.g. berth out of service ? Mos.):

PREPARED BY:

J. Carel

DATE PREPARED:

6/17/2014

ITEM DESCRIPTION	"S" IF SUBCON TRACT	LENGTH (FT)	WIDTH (FT)	HEIGHT OR DEPTH (FT)	QUANTITY	UNIT	UNIT COST	AMOUNT
Survey					1	nec	\$ 11,733	\$ 11,733
Addl Excav (Below Water) to -45 MLW					92,801	CY	\$ 31.68	\$ 2,939,989
Addl Environmental Mitigation					92,801	CY	\$ 3.91	\$ 362,962
Bulkhead Wall					1,226	LF	\$ 7,822.33	\$ 9,590,178
Fenders					1,226	LF	\$ 172.09	\$ 210,984
Bollards					6	EA	\$ 117,334.97	\$ 704,010
Removal of Underwater Debris					2,229	ton	\$ 704.01	\$ 1,569,302
New Utilities					7,500	sf	\$ 1.96	\$ 14,667
PRIME CONTRACTOR'S WORK								\$ 15,403,824
Prime Contractor's Field Overhead							20% \$ 3,080,765	
							<i>SUBTOTAL</i>	\$ 18,484,589
Prime Contractor's Overhead on Sub(s)							5% \$ -	
Prime Contractor's Home Office Overhead							10% \$ 1,848,459	
Prime Contractor's Profit							10% \$ 2,033,305	
							<i>SUBTOTAL</i>	\$ 22,366,353
Prime Contractor's Bond							1.25% \$ 279,579	
							<i>SUBTOTAL</i>	\$ 22,645,932
Contingency							10% \$ 2,264,593	
CONSTRUCTION TOTAL								\$ 24,910,525
Design and Construction Phase Services							10% \$ 2,491,053	
TOTAL COST (ROUNDED)								\$ 27,400,000

Note: Engineer's Estimate of Probable Construction Cost provided herein was made on the Basis of the Engineer's experience and qualifications and represents Engineer's best judgment as an experienced and qualified Professional Engineer generally familiar with the construction industry. However, since the Engineer has no control over the cost of labor, material, equipment or services, or over the Contractor's method of determining prices, or over competitive or market conditions, the Engineer cannot and does not guarantee that proposals, bids or actual construction cost will not vary from the probable construction cost prepared by the Engineer.

2014 PORT EVERGLADES MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

PROJECT: Tracor Basin Fill
 Start Year: _____ Duration (months): 8
 Impacts (e.g. berth out of service ? Mos.): _____

PREPARED BY: J. Carel
 DATE PREPARED: 6/17/2014

ITEM DESCRIPTION	"S" IF SUBCON TRACT	LENGTH (FT)	WIDTH (FT)	HEIGHT OR DEPTH (FT)	QUANTITY	UNIT	UNIT COST	AMOUNT
Bulkhead Wall					575	LF	\$ 7,822.33	\$ 4,497,840
Fenders					575	LF	\$ 172.09	\$ 98,952
Bollards					2	EA	\$ 117,334.97	\$ 234,670
Concrete Apron (40' min typ)					852	CY	\$ 273.78	\$ 233,221
Heavy Duty Asphalt Yard Pvmt					5	Acre	\$ 273,781.59	\$ 1,433,912
Removal of Underwater Debris					4,000	ton	\$ 704.01	\$ 2,816,039
Remove Existing Bulkhead					565	LF	\$ 156.45	\$ 88,392
Clean Fill, Complete in place (440/truck or 22/CY * 1.3 bulking + 15 for lift placement)					507,866	cy	\$ 34.11	\$ 17,320,953
New Utilities					251,143	sf	\$ 1.96	\$ 491,130
PRIME CONTRACTOR'S WORK								\$ 27,215,110
Prime Contractor's Field Overhead							20% \$ 5,443,022	
							<i>SUBTOTAL</i>	\$ 32,658,132
Prime Contractor's Overhead on Sub(s)							5% \$ -	
Prime Contractor's Home Office Overhead							10% \$ 3,265,813	
Prime Contractor's Profit							10% \$ 3,592,395	
							<i>SUBTOTAL</i>	\$ 39,516,340
Prime Contractor's Bond							1.25% \$ 493,954	
							<i>SUBTOTAL</i>	\$ 40,010,295
Contingency							10% \$ 4,001,029	
CONSTRUCTION TOTAL								\$ 44,011,324
Design and Construction Phase Services							10% \$ 4,401,132	
TOTAL COST (ROUNDED)								\$ 48,400,000

Note: Engineer's Estimate of Probable Construction Cost provided herein was made on the Basis of the Engineer's experience and qualifications and represents Engineer's best judgment as an experienced and qualified Professional Engineer generally familiar with the construction industry. However, since the Engineer has no control over the cost of labor, material, equipment or services, or over the Contractor's method of determining prices, or over competitive or market conditions, the Engineer cannot and does not guarantee that proposals, bids or actual construction cost will not vary from the probable construction cost prepared by the Engineer.

2014 PORT EVERGLADES MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

PROJECT:

Berth 33 Reconfiguration

Start Year:

Duration (months): 18 to 24

Impacts (e.g. berth out of service ? Mos.):

PREPARED BY:

J. Carel

DATE PREPARED:

6/17/2014

ITEM DESCRIPTION	"S" IF SUBCONTRACT	LENGTH (FT)	WIDTH (FT)	HEIGHT OR DEPTH (FT)	QUANTITY	UNIT	UNIT COST	AMOUNT
Survey					1	nec	\$ 11,733	\$ 11,733
Underground Utility					15,625	sf	\$ 1.56	\$ 24,445
Environmental Assessment					15,625	sf	\$ 1.56	\$ 24,445
Clearing and Grubbing					15,625	sf	\$ 0.20	\$ 3,056
Utility Relocation (Cruise and Cargo)					15,625	sf	\$ 2.74	\$ 42,778
Excavation (above water)					9,838	CY	\$ 11.73	\$ 115,434
Environmental Mitigation					9,838	CY	\$ 11.73	\$ 115,434
Excavation (Below Water)					21,412	CY	\$ 31.68	\$ 678,343
Environmental Mitigation part 2					21,412	CY	\$ 3.91	\$ 83,746
Bulkhead Wall					850	LF	\$ 7,822.33	\$ 6,648,981
Crane Rail Extensions (3 crane beams and rails)					900	LF	\$ 10,560.15	\$ 9,504,132
Fenders					850	LF	\$ 172.09	\$ 146,278
Bollards					7	EA	\$ 117,334.97	\$ 821,345
Concrete Apron (40' min typ)					1,259	CY	\$ 273.78	\$ 344,762
Heavy Duty Asphalt Yard Pvmnt					2	Acre	\$ 273,781.59	\$ 674,154
Removal of Underwater Debris					3,650	ton	\$ 704.01	\$ 2,569,636
Remove Existing Bulkhead					200	LF	\$ 156.45	\$ 31,289
Demo Mooring Rack					15,000	SF	\$ 78.22	\$ 1,173,350
Clean Fill, Complete in place (440/truck or 22/CY * 1.3 bulking + 15 for lift placement)					247,421	cy	\$ 34.11	\$ 8,438,376
New Utilities					123,710	sf	\$ 1.96	\$ 241,926
PRIME CONTRACTOR'S WORK								\$ 31,693,643
Prime Contractor's Field Overhead							20% \$ 6,338,729	
SUBTOTAL								\$ 38,032,371
Prime Contractor's Overhead on Sub(s)							5% \$ -	
Prime Contractor's Home Office Overhead							10% \$ 3,803,237	
Prime Contractor's Profit							10% \$ 4,183,561	
SUBTOTAL								\$ 46,019,169
Prime Contractor's Bond							1.25% \$ 575,240	
SUBTOTAL								\$ 46,594,409
Contingency							10% \$ 4,659,441	
CONSTRUCTION TOTAL								\$ 51,253,849
Design and Construction Phase Services							10% \$ 5,125,385	
TOTAL COST (ROUNDED)								\$ 56,400,000

Note: Engineer's Estimate of Probable Construction Cost provided herein was made on the Basis of the Engineer's experience and qualifications and represents Engineer's best judgment as an experienced and qualified Professional Engineer generally familiar with the construction industry. However, since the Engineer has no control over the cost of labor, material, equipment or services, or over the Contractor's method of determining prices, or over competitive or market conditions, the Engineer cannot and does not guarantee that proposals, bids or actual construction cost will not vary from the probable construction cost prepared by the Engineer.

2014 PORT EVERGLADES MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

PROJECT: Southport Gate Lane Addition

Start Year: _____ Duration (months): 4 to 6

Impacts (e.g. berth out of service ? Mos.): _____

PREPARED BY: J. Carel

DATE PREPARED: 6/17/2014

ITEM DESCRIPTION	"S" IF SUBCONTRACT	LENGTH (FT)	WIDTH (FT)	HEIGHT OR DEPTH (FT)	QUANTITY	UNIT	UNIT COST	AMOUNT
Gate					2	Lane	\$ 319,933.34	\$ 639,867
Security Fence - Remove and reinstall					1,000	LF	\$ 78.22	\$ 78,223
Heavy Duty Asphalt Yard Pvmt					1	Acre	\$ 273,781.59	\$ 157,129
PRIME CONTRACTOR'S WORK								\$ 875,219
Prime Contractor's Field Overhead							20% \$ 175,044	
							SUBTOTAL	\$ 1,050,263
Prime Contractor's Overhead on Sub(s)							5% \$ -	
Prime Contractor's Home Office Overhead							10% \$ 105,026	
Prime Contractor's Profit							10% \$ 115,529	
							SUBTOTAL	\$ 1,270,818
Prime Contractor's Bond							1.25% \$ 15,885	
							SUBTOTAL	\$ 1,286,703
Contingency							10% \$ 128,670	
CONSTRUCTION TOTAL								\$ 1,415,374
Design and Construction Phase Services							10% \$ 141,537	
TOTAL COST (ROUNDED)								\$ 1,560,000

Note: Engineer's Estimate of Probable Construction Cost provided herein was made on the Basis of the Engineer's experience and qualifications and represents Engineer's best judgment as an experienced and qualified Professional Engineer generally familiar with the construction industry. However, since the Engineer has no control over the cost of labor, material, equipment or services, or over the Contractor's method of determining prices, or over competitive or market conditions, the Engineer cannot and does not guarantee that proposals, bids or actual construction cost will not vary from the probable construction cost prepared by the Engineer.

2014 PORT EVERGLADES MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

PROJECT: Southport Phase 9B Container Yard
 Start Year: _____ Duration (months): 3
 Impacts (e.g. berth out of service ? Mos.): _____

PREPARED BY: J. Carel
 DATE PREPARED: 12/11/2013

ITEM DESCRIPTION	"S" IF SUBCON TRACT	LENGTH (FT)	WIDTH (FT)	HEIGHT OR DEPTH (FT)	QUANTITY	UNIT	UNIT COST	AMOUNT
Yard Pavement Complete including utilities					19.9	acres	\$ 273,000	\$ 5,432,700
								\$ -
PRIME CONTRACTOR'S WORK								\$ 5,432,700
Prime Contractor's Field Overhead							20% \$ 1,086,540	
<i>SUBTOTAL</i>								\$ 6,519,240
Prime Contractor's Overhead on Sub(s)							5% \$ -	
Prime Contractor's Home Office Overhead							10% \$ 651,924	
Prime Contractor's Profit							10% \$ 717,116	
<i>SUBTOTAL</i>								\$ 7,888,280
Prime Contractor's Bond							1.25% \$ 98,604	
<i>SUBTOTAL</i>								\$ 7,986,884
Contingency							10% \$ 798,688	
CONSTRUCTION TOTAL								\$ 8,785,572
Design and Construction Phase Services							10% \$ 878,557	
TOTAL COST (ROUNDED)								\$ 9,660,000

Note: Engineer's Estimate of Probable Construction Cost provided herein was made on the Basis of the Engineer's experience and qualifications and represents Engineer's best judgment as an experienced and qualified Professional Engineer generally familiar with the construction industry. However, since the Engineer has no control over the cost of labor, material, equipment or services, or over the Contractor's method of determining prices, or over competitive or market conditions, the Engineer cannot and does not guarantee that proposals, bids or actual construction cost will not vary from the probable construction cost prepared by the Engineer.

2014 PORT EVERGLADES MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

PROJECT:

Aggregate Facility

Start Year:

Duration (months): 4 to 6

Impacts (e.g. berth out of service ? Mos.):

PREPARED BY:

J. Carel

DATE PREPARED:

6/17/2014

ITEM DESCRIPTION	"S" IF SUBCON TRACT	LENGTH (FT)	WIDTH (FT)	HEIGHT OR DEPTH (FT)	QUANTITY	UNIT	UNIT COST	AMOUNT
Survey					1	nec	\$ 11,733	\$ 11,733
Clearing and Grubbing					900,000	sf	\$ 0.20	\$ 176,002
Utility Relocation (Cruise and Cargo)					1	allowance	\$ 117,334.97	\$ 117,335
New Utilities					1	allowance	\$ 156,446.62	\$ 156,447
PRIME CONTRACTOR'S WORK								\$ 461,518
Prime Contractor's Field Overhead							20% \$ 92,304	
<i>SUBTOTAL</i>								\$ 553,821
Prime Contractor's Overhead on Sub(s)							5% \$ -	
Prime Contractor's Home Office Overhead							10% \$ 55,382	
Prime Contractor's Profit							10% \$ 60,920	
<i>SUBTOTAL</i>								\$ 670,123
Prime Contractor's Bond							1.25% \$ 8,377	
<i>SUBTOTAL</i>								\$ 678,500
Contingency							10% \$ 67,850	
CONSTRUCTION TOTAL								\$ 746,350
Design and Construction Phase Services							10% \$ 74,635	
TOTAL COST (ROUNDED)								\$ 821,000

Note: Engineer's Estimate of Probable Construction Cost provided herein was made on the Basis of the Engineer's experience and qualifications and represents Engineer's best judgment as an experienced and qualified Professional Engineer generally familiar with the construction industry. However, since the Engineer has no control over the cost of labor, material, equipment or services, or over the Contractor's method of determining prices, or over competitive or market conditions, the Engineer cannot and does not guarantee that proposals, bids or actual construction cost will not vary from the probable construction cost prepared by the Engineer.

ESTIMATE OF PRELIMINARY PROBABLE COSTS
 PORT EVERGLADES PIER 1 REMEDIATION OF PETROLEUM IMPACTED SOIL AND GROUNDWATER
 revised 1/24/14 apportioned to reconstructed part)

widths (feet) slip 3 Pier 1 Slip 1 (from total
 old 300 500 305 1105
 new 475 150 480
 width of pier in project
 175 325
 35% 65%

Item	Quantity	Unit	Unit Price	Item Total	Item Total	Slip 3 exp Qty	Slip 1 exp Qty	Slip 3 exp Amount	Slip 1 exp Amount
Mobilization	1	LS	\$1,000,000	\$1,000,000	\$ 1,000,000	1	1	\$1,000,000	\$1,000,000
Sediment Controls/Boom	1	LS	\$50,000	\$50,000	\$ 50,000	1	1	\$50,000	\$50,000
Sheet Piling cutoff wall	74,000	SF	\$50	\$3,700,000			74000		\$3,700,000
Excavate Clean Overburden (Assume Top 3')	45,000	CY	\$15	\$675,000	\$ 675,000	15750	29250	\$236,250	\$438,750
Transport Overburden Offsite (Assume +20% Loose)	54,000	CY	\$10	\$540,000	\$ 540,000	18900	35100	\$189,000	\$351,000
Excavate/Stockpile Impacted Soils (Assume 5' Layer)	75,000	CY	\$25	\$1,875,000	\$ 1,875,000	26250	48750	\$656,250	\$1,218,750
Disposal Characterization Sampling (Assume 1 per 500 Tons)	300	Samples	\$500	\$150,000	\$ 150,000	105	195	\$52,500	\$97,500
Transport/Disposal as Petroleum Impacted Soil	152,000	Tons	\$100	\$15,200,000	\$ 15,200,000	53200	98800	\$5,320,000	\$9,880,000
Free Product/Water Removal, Temporary Storage, Characterization Sampling	6,000,000	Gallons	\$1	\$6,000,000	\$ 6,000,000	2100000	3900000	\$2,100,000	\$3,900,000
Disposal/Recycling	6,000,000	Gallons	\$2	\$12,000,000	\$ 12,000,000	2100000	3900000	\$4,200,000	\$7,800,000
Site Stabilization	1	LS	\$200,000	\$200,000	\$ 200,000	1	1	\$200,000	\$200,000
Demobilization	1	LS	\$250,000	\$250,000	\$ 250,000	1	1	\$250,000	\$250,000
Subtotal				\$37,940,000	\$ 37,940,000			\$ 14,254,000	\$ 28,886,000
Say Subtotal Contractor Remediation				\$38,000,000	\$ 38,000,000			\$ 14,000,000	\$ 29,000,000
Remediation Design/Bidding	1	LS	\$200,000	\$200,000	\$ 200,000	1	1	\$200,000	\$200,000
Remediation Management & Oversight (Assume 90 Work Days)	90	Days	\$2,000	\$180,000	\$ 180,000	90	90	\$180,000	\$180,000
Subtotal					\$ 380,000			\$ 380,000	\$ 380,000
Say Subtotal Consulting					\$ 400,000			\$ 400,000	\$ 400,000
Total Project					\$ 38,400,000			\$ 14,400,000	\$ 29,400,000
Contingency	10%	LS	\$38,400,000		\$ 3,840,000			\$ 1,440,000	\$ 2,940,000
TOTAL					\$ 42,240,000			\$ 15,840,000	\$ 32,340,000
								Total Both \$ 48,180,000	
								Premium for phasing	\$ 5,940,000