



**SPECIFICATION NO. 2770**  
**BERTHS 226-236 TERMINAL IMPROVEMENTS**  
**PROJ. CONST. MGR.: BIJAN ROBOUBI**

	ITEM 3	ITEM 4	ITEM 5
	REMOVE AND DISPOSE OF CREOSOTE TREATED TIMBER FENDER PILES Each Approx. Qty. = 170	ALTERNATIVE MARITIME POWER AT BERTHS 226-229 LUMP SUM	ALTERNATIVE MARITIME POWER AT BERTHS 230-232 LUMP SUM
ENGINEERING ESTIMATE	\$2,160.00	\$2,500,000.00	\$3,650,000.00
1) MANSON CONSTRUCTION CO.	\$1,350.00	4,500,000.00	\$5,800,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$1,600.00	4,500,000.00	\$6,250,000.00
3) SULLY-MILLER CONTRACTING CO.	\$1,100.00	3,975,000.00	\$4,785,000.00

1) AVERAGE BID	\$ 1,350.00	\$ 229,500.00	\$ 4,325,000.00	\$ 5,611,666.67
2) STANDARD DEVIATION	\$ 250.00	\$ 42,500.00	\$ 303,108.89	\$ 750,438.76
3) ENG. EST. - LOW BIDDER	\$ 810.00	\$ 137,700.00	\$ (2,000,000.00)	\$ (2,150,000.00)

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	ITEM 6	ITEM 7	ITEM 8
	ELECTRICAL SYSTEM FOR HLPs, YPS1, YPS2, AND DWP IS 1772 LUMP SUM	ELECTRICAL SYSTEM FOR MS-1 AND SUBSTATION 2 LUMP SUM	ELECTRICAL SYSTEM FOR CS-1, MS #1, DWP IS 5888, DWP IS 2881, AND CABLE HORN VAULTS LUMP SUM
ENGINEERING ESTIMATE	\$1,525,000.00	\$2,300,000.00	\$5,500,000.00
1) MANSON CONSTRUCTION CO.	\$3,500,000.00	\$3,800,000.00	\$6,500,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$2,600,000.00	\$2,900,000.00	\$6,500,000.00
3) SULLY-MILLER CONTRACTING CO.	\$3,370,000.00	\$3,710,000.00	\$6,440,000.00

1) AVERAGE BID	\$ 3,156,666.67	\$ 3,470,000.00	\$ 6,480,000.00
2) STANDARD DEVIATION	\$ 486,449.72	\$ 495,681.35	\$ 34,641.02
3) ENG. EST. - LOW BIDDER	\$ (1,975,000.00)	\$ (1,500,000.00)	\$ (1,000,000.00)

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	ITEM 9	ITEM 10	ITEM 11
	ELECTRICAL SYSTEM FOR ELECTRIC TRUCK (E-TRUCK) SMART PLUG-IN SYSTEM LUMP SUM	ASPHALT CONCRETE PAVING  Tons Approx. Qty. = 6000	STORM DRAINAGE SYSTEM  LUMP SUM
ENGINEERING ESTIMATE	\$1,900,000.00	\$588,000.00	\$25,000.00
1) MANSON CONSTRUCTION CO.	\$1,950,000.00	\$528,000.00	\$55,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$1,950,000.00	\$660,000.00	\$21,000.00
3) SULLY-MILLER CONTRACTING CO.	\$1,880,000.00	\$624,000.00	\$65,000.00

1) AVERAGE BID	\$1,926,666.67	\$100.67	\$604,000.00	\$47,000.00
2) STANDARD DEVIATION	\$40,414.52	\$11.37	\$68,234.89	\$23,065.13
3) ENG. EST. - LOW BIDDER	\$(50,000.00)	\$10.00	\$60,000.00	\$(30,000.00)

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	ITEM 12	ITEM 13
	WATER DISTRIBUTION SYSTEM	DEPARTMENT-FURNISHED CRUSHED MISCELLANEOUS BASE
	LUMP SUM	Cu. Yds. Approx Qty. = 4500
ENGINEERING ESTIMATE	\$ 960,000.00	\$ 35.00 \$ 157,500.00
1) MANSON CONSTRUCTION CO.	\$ 1,000,000.00	\$ 21.00 \$94,500.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 1,125,000.00	\$ 22.00 \$99,000.00
3) SULLY-MILLER CONTRACTING CO.	\$ 1,550,000.00	\$ 50.00 \$225,000.00

1) AVERAGE BID	\$ 1,225,000.00	\$ 31.00	\$ 139,500.00
2) STANDARD DEVIATION	\$ 288,314.06	\$ 16.46	\$ 74,079.35
3) ENG. EST. - LOW BIDDER	\$ (40,000.00)	\$ 14.00	\$ 63,000.00

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	ITEM 14		ITEM 15	
	CONCRETE AND ASPHALT CONCRETE REMOVAL AND DISPOSAL AT PIER 400 CRUSHER SITE		DREDGING - OCEAN DISPOSAL	
	Tons Approx. Qty. =	3600	Cu. Yds. Approx. Qty. =	25000
ENGINEERING ESTIMATE	\$ 40.00	\$144,000.00	\$ 50.00	\$1,250,000.00
1) MANSON CONSTRUCTION CO.	\$ 17.00	\$61,200.00	\$ 24.00	\$600,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 12.00	\$43,200.00	\$ 47.00	\$1,175,000.00
3) SULLY-MILLER CONTRACTING CO.	\$ 150.00	\$540,000.00	\$ 39.00	\$975,000.00

1) AVERAGE BID	\$ 59.67	\$ 214,800.00	\$ 36.67	\$ 916,666.67
2) STANDARD DEVIATION	\$ 78.27	\$ 281,775.23	\$ 11.68	\$ 291,904.66
3) ENG. EST. - LOW BIDDER	\$ 23.00	\$ 82,800.00	\$ 26.00	\$ 650,000.00

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	ITEM 16 WATER QUALITY MONITORING FOR DREDGING LUMP SUM	ITEM 17 TEMPORARY ELECTRIC SERVICE FOR DREDGING LUMP SUM	ITEM 18 FIELD OFFICES LUMP SUM
ENGINEERING ESTIMATE	\$ 22,500.00	\$ 100,000.00	\$ 200,000.00
1) MANSON CONSTRUCTION CO.	\$ 20,000.00	\$ 275,000.00	\$ 200,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 28,000.00	\$ 500,000.00	\$ 300,000.00
3) SULLY-MILLER CONTRACTING CO.	\$ 20,000.00	\$ 17,000.00	\$ 375,000.00

1) AVERAGE BID	\$ 22,666.67	\$ 264,000.00	\$ 291,666.67
2) STANDARD DEVIATION	\$ 4,618.80	\$ 241,687.82	\$ 87,797.11
3) ENG. EST. - LOW BIDDER	\$ 2,500.00	\$ (175,000.00)	\$ -

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	ITEM 19		ITEM 20
	FURNISH AND INSTALL GUARD POSTS		PHOTOGRAPHIC DOCUMENTATION
	Each Approx. Qty =		LUMP SUM
ENGINEERING ESTIMATE		169	
	\$ 1,000.00	\$169,000.00	\$ 140,000.00
1) MANSON CONSTRUCTION CO.	\$ 2,200.00	\$371,800.00	\$ 175,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 2,800.00	\$473,200.00	\$ 225,000.00
3) SULLY-MILLER CONTRACTING CO.	\$ 2,200.00	\$371,800.00	\$ 200,000.00

1) AVERAGE BID	\$ 2,400.00	\$ 405,600.00	\$ 200,000.00
2) STANDARD DEVIATION	\$ 346.41	\$ 58,543.32	\$ 25,000.00
3) ENG. EST. - LOW BIDDER	\$(1,200.00)	\$(202,800.00)	\$(35,000.00)

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	ITEM 21		ITEM 22	
	FURNISH AND INSTALL HIGH MAST LIGHT POLES		CIRCULAR RUBBER FENDER CELL REPLACEMENT	
	Each Approx. Qty. =		Each Approx. Qty. =	
ENGINEERING ESTIMATE	\$305,000.00	\$305,000.00	\$10,000.00	\$200,000.00
1) MANSON CONSTRUCTION CO.	\$400,000.00	\$400,000.00	\$10,000.00	\$200,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$725,000.00	\$725,000.00	\$7,500.00	\$150,000.00
3) SULLY-MILLER CONTRACTING CO.	\$345,000.00	\$345,000.00	\$11,000.00	\$220,000.00

1) AVERAGE BID	\$490,000.00	\$	\$	490,000.00	\$	\$	9,500.00	\$	190,000.00
2) STANDARD DEVIATION	\$205,365.53	\$	\$	205,365.53	\$	\$	1,802.78	\$	36,055.51
3) ENG. EST. - LOW BIDDER	\$ (95,000.00)	\$	\$	(95,000.00)	\$	\$	-	\$	-

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	ITEM 23		ITEM 24	
	REMOVE AND REINSTALL EXISTING FENDERS		FENDER SPACERS	
	Each Approx. Qty. =		51 Each Approx. Qty. =	70
ENGINEERING ESTIMATE		\$1,020,000.00	\$ 7,210.00	\$504,700.00
1) MANSON CONSTRUCTION CO.	\$ 4,000.00	\$204,000.00	\$10,000.00	\$700,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$17,500.00	\$892,500.00	\$13,500.00	\$945,000.00
3) SULLY-MILLER CONTRACTING CO.	\$ 4,775.00	\$243,525.00	\$15,000.00	\$1,050,000.00

1) AVERAGE BID	\$ 8,758.33	\$ 446,675.00	\$ 12,833.33	\$ 898,333.33
2) STANDARD DEVIATION	\$ 7,580.42	\$ 386,601.22	\$ 2,565.80	\$ 179,606.05
3) ENG. EST. - LOW BIDDER	\$16,000.00	\$ 816,000.00	\$ (2,790.00)	\$ (195,300.00)

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	ITEM 25	ITEM 26	ITEM 27
	FENDER SYSTEM	BERTH 236 PARCEL H BACKLAND IMPROVEMENTS (DRAWING NO. 1-3216) LUMP SUM	BERTH 236 PARCEL H STORM DRAIN SYSTEM (DRAWING NO. 1-3216) LUMP SUM
	Each Approx. Qty. = 19		
ENGINEERING ESTIMATE	\$ 43,215.00	\$ 220,000.00	\$ 100,000.00
1) MANSON CONSTRUCTION CO.	\$ 15,000.00	\$ 170,000.00	\$ 225,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 25,500.00	\$ 550,000.00	\$ 125,000.00
3) SULLY-MILLER CONTRACTING CO.	\$ 25,000.00	\$ 93,000.00	\$ 96,000.00

1) AVERAGE BID	\$ 21,833.33	\$ 414,833.33	\$ 271,000.00	\$ 148,666.67
2) STANDARD DEVIATION	\$ 5,923.12	\$ 112,539.25	\$ 244,669.16	\$ 67,678.16
3) ENG. EST. - LOW BIDDER	\$ 28,215.00	\$ 536,085.00	\$ 50,000.00	\$ (125,000.00)

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	ITEM 28		ITEM 29	
	EPOXY INJECTION REPAIRS (DRAWING NO. 1-3245)		24 INCH OCTAGONAL PILE NON-STRUCTURAL JACKET ENCASEMENT REPAIRS (DRAWING NO. 1-3245)	
	Lin. Ft. Approx. Qty. =		240	Lin. Ft. Approx. Qty. =
				200
ENGINEERING ESTIMATE	\$ 400.00	\$96,000.00	\$ 925.00	\$185,000.00
1) MANSON CONSTRUCTION CO.	\$ 180.00	\$43,200.00	\$ 900.00	\$180,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 550.00	\$132,000.00	\$ 1,200.00	\$240,000.00
3) SULLY-MILLER CONTRACTING CO.	\$ 578.00	\$138,720.00	\$ 1,211.00	\$242,200.00

1) AVERAGE BID	\$ 436.00	\$ 104,640.00	\$ 1,103.67	\$ 220,733.33
2) STANDARD DEVIATION	\$ 222.14	\$ 53,314.58	\$ 176.47	\$ 35,293.25
3) ENG. EST. - LOW BIDDER	\$ 220.00	\$ 52,800.00	\$ 25.00	\$ 5,000.00

	ITEM 30		ITEM 31	
	24 INCH OCTAGONAL PILE STRUCTURAL JACKET ENCASEMENT REPAIRS (DRAWING NO. 1-3245)	100 Lin. Ft. Approx. Qty. =	18 INCH OCTAGONAL PILE NON-STRUCTURAL JACKET ENCASEMENT REPAIRS (DRAWING NO. 1-3245)	280 Lin. Ft. Approx. Qty. =
ENGINEERING ESTIMATE	\$ 985.00	\$98,500.00	\$ 925.00	\$259,000.00
1) MANSON CONSTRUCTION CO.	\$1,000.00	\$100,000.00	\$ 750.00	\$210,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$1,300.00	\$130,000.00	\$ 950.00	\$266,000.00
3) SULLY-MILLER CONTRACTING CO.	\$1,600.00	\$160,000.00	\$1,100.00	\$308,000.00

1) AVERAGE BID	\$1,300.00	\$	130,000.00	\$ 933.33	\$	261,333.33
2) STANDARD DEVIATION	\$ 300.00	\$	30,000.00	\$ 175.59	\$	49,166.38
3) ENG. EST. - LOW BIDDER	\$ (15.00)	\$	(1,500.00)	\$ 175.00	\$	49,000.00

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	ITEM 32		ITEM 33	
	18 INCH OCTAGONAL PILE STRUCTURAL JACKET ENCASEMENT REPAIRS (DRAWING NO. 1-3245) Lin. Ft. Approx. Qty =	18 INCH SQUARE PILE NON-STRUCTURAL JACKET ENCASEMENT REPAIRS (DRAWING NO. 1-3245) Lin. Ft. Approx. Qty =		
ENGINEERING ESTIMATE	\$ 985.00	\$118,200.00	\$1,200.00	\$252,000.00
1) MANSON CONSTRUCTION CO.	\$ 900.00	\$108,000.00	\$ 800.00	\$168,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$1,200.00	\$144,000.00	\$1,050.00	\$220,500.00
3) SULLY-MILLER CONTRACTING CO.	\$1,600.00	\$192,000.00	\$1,130.00	\$237,300.00

1) AVERAGE BID	\$1,233.33	\$	148,000.00	\$ 993.33	\$	208,600.00
2) STANDARD DEVIATION	\$ 351.19	\$	42,142.62	\$ 172.14	\$	36,150.10
3) ENG. EST. - LOW BIDDER	\$ 85.00	\$	10,200.00	\$ 400.00	\$	84,000.00

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	ITEM 34		ITEM 35	
	18 INCH SQUARE PILE STRUCTURAL JACKET ENCASEMENT REPAIRS (DRAWING NO. 1-3245)	18 INCH OCTAGONAL CONCRETE PILE REPAIR WITH JACKET ENCASEMENT (DRAWING NO. 1-3245)	Lin. Ft. Approx. Qty. =	Each Approx. Qty. =
ENGINEERING ESTIMATE	\$1,500.00	\$10,000.00	240	10
	\$360,000.00	\$100,000.00		
1) MANSON CONSTRUCTION CO.	\$ 950.00	\$18,000.00		\$180,000.00
	\$228,000.00			
2) SHIMMICK CONSTRUCTION CO., INC.	\$1,300.00	\$25,000.00		\$250,000.00
	\$312,000.00			
3) SULLY-MILLER CONTRACTING CO.	\$1,465.00	\$16,500.00		\$165,000.00
	\$351,600.00			

1) AVERAGE BID	\$1,238.33	\$	297,200.00	\$19,833.33	\$	198,333.33
2) STANDARD DEVIATION	\$ 262.98	\$	63,115.13	\$ 4,536.89	\$	45,368.86
3) ENG. EST. - LOW BIDDER	\$ 550.00	\$	132,000.00	\$(8,000.00)	\$	(80,000.00)

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	ITEM 36		ITEM 37	
	18 INCH SQUARE CONCRETE PILE REPAIR WITH JACKET ENCASEMENT (DRAWING NO. 1-3245)		REINFORCING BARS (DRAWING NO. 1-3245)	
	Each Approx. Qty. =		5 Lbs. Approx. Qty. =	34000
ENGINEERING ESTIMATE	\$ 10,000.00	\$50,000.00	\$ 5.00	\$170,000.00
1) MANSON CONSTRUCTION CO.	\$ 21,000.00	\$105,000.00	\$ 1.00	\$34,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 28,000.00	\$140,000.00	\$ 2.00	\$68,000.00
3) SULLY-MILLER CONTRACTING CO.	\$ 18,700.00	\$93,500.00	\$ 2.25	\$76,500.00

1) AVERAGE BID	\$ 22,566.67	\$	112,833.33	\$	1.75	\$	59,500.00
2) STANDARD DEVIATION	\$ 4,843.90	\$	24,219.48	\$	0.66	\$	22,488.89
3) ENG. EST. - LOW BIDDER	\$(11,000.00)	\$	\$(55,000.00)	\$	4.00	\$	136,000.00

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	ITEM 38		ITEM 39	
	CAST-IN-PLACE CONCRETE REPAIRS (DRAWING NO. 1-3245)		SHOTCRETE REPAIRS (DRAWING NO. 1-3245)	
	Cu. Ft. Approx. Qty =		Cu. Ft. Approx. Qty =	
	5800		500	
ENGINEERING ESTIMATE	\$ 45.00	\$261,000.00	\$1,084.00	\$542,000.00
1) MANSON CONSTRUCTION CO.	\$ 240.00	\$1,392,000.00	\$1,000.00	\$500,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 200.00	\$1,160,000.00	\$ 850.00	\$425,000.00
3) SULLY-MILLER CONTRACTING CO.	\$ 400.00	\$2,320,000.00	\$1,390.00	\$695,000.00

1) AVERAGE BID	\$ 280.00	\$ 1,624,000.00	\$1,080.00	\$ 540,000.00
2) STANDARD DEVIATION	\$ 105.83	\$ 613,814.30	\$ 278.75	\$ 139,373.60
3) ENG. EST. - LOW BIDDER	\$ (195.00)	\$ (1,131,000.00)	\$ 84.00	\$ 42,000.00

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	ITEM 40	ITEM 41
	WHARF REPAIRS (DRAWING NO. 1-3245)	IMPORT FILL
	LUMP SUM	Cu. Yds. Approx. Qty. = 3000
ENGINEERING ESTIMATE	\$ 850,000.00	\$ 35.00
1) MANSON CONSTRUCTION CO.	\$ 135,000.00	\$ 45.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 22,000.00	\$ 28.00
3) SULLY-MILLER CONTRACTING CO.	\$ 22,000.00	\$ 20.00

1) AVERAGE BID	\$ 59,666.67	\$ 31.00	\$ 93,000.00
2) STANDARD DEVIATION	\$ 65,240.58	\$ 12.77	\$ 38,301.44
3) ENG. EST. - LOW BIDDER	\$ 715,000.00	\$ (10.00)	\$ (30,000.00)

	ITEM 42		ITEM 43	
	EXCAVATE, REMOVE, AND DISPOSE OF NON- HAZARDOUS CONTAMINATED WASTE SOIL	3800 Cu. Yds. Approx. Qty. =	EXCAVATE, REMOVE, & DISPOSE OF CA NON- RESOURCE CONSERVATION & RECOVERY ACT (RCRA) HAZARDOUS WASTE SOIL	2000
ENGINEERING ESTIMATE	\$ 100.00	\$380,000.00	\$ 250.00	\$500,000.00
1) MANSON CONSTRUCTION CO.	\$ 130.00	\$494,000.00	\$ 200.00	\$400,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 87.00	\$330,600.00	\$ 190.00	\$380,000.00
3) SULLY-MILLER CONTRACTING CO.	\$ 150.00	\$570,000.00	\$ 210.00	\$420,000.00

1) AVERAGE BID	\$ 122.33	\$ 464,866.67	\$ 200.00	\$ 400,000.00
2) STANDARD DEVIATION	\$ 32.19	\$ 122,330.10	\$ 10.00	\$ 20,000.00
3) ENG. EST. - LOW BIDDER	\$ (30.00)	\$ (114,000.00)	\$ 50.00	\$ 100,000.00

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	ITEM 44	ITEM 45	ITEM 46
	EXPANSION JOINT REPAIR LUMP SUM	CRANE CABLE PROTECTION SYSTEM REPAIR LUMP SUM	CRANE CABLE PROTECTION SYSTEM REPLACEMENT Lin. Ft. Approx. Qty. = 2840
ENGINEERING ESTIMATE	\$ 18,000.00	\$ 750,000.00	\$ 200.00
1) MANSON CONSTRUCTION CO.	\$ 75,000.00	\$ 370,000.00	\$ 150.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 70,000.00	\$ 52,000.00	\$ 120.00
3) SULLY-MILLER CONTRACTING CO.	\$ 56,000.00	\$ 300,000.00	\$ 180.00
			\$511,200.00

1) AVERAGE BID	\$ 67,000.00	\$ 240,666.67	\$ 150.00	\$ 426,000.00
2) STANDARD DEVIATION	\$ 9,848.86	\$ 167,096.78	\$ 30.00	\$ 85,200.00
3) ENG. EST. - LOW BIDDER	\$ (57,000.00)	\$ 380,000.00	\$ 50.00	\$ 142,000.00

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	ITEM 47		ITEM 48
	SLURRY SEAL		MODIFICATIONS TO CONCRETE WHARF FOR MARINE BOLLARDS AND FENDERS LUMP SUM
	Sq. Yds. Approx.	Qty. =	
ENGINEERING ESTIMATE	\$ 5.00	620	\$ 590,000.00
1) MANSON CONSTRUCTION CO.	\$ 9.00		\$ 2,800,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 45.00		\$ 1,600,000.00
3) SULLY-MILLER CONTRACTING CO.	\$ 16.00		\$ 2,850,000.00

1) AVERAGE BID	\$ 23.33	\$ 14,466.67	\$ 2,416,666.67
2) STANDARD DEVIATION	\$ 19.09	\$ 11,834.26	\$ 707,695.79
3) ENG. EST. - LOW BIDDER	\$ (4.00)	\$ (2,480.00)	\$ (2,210,000.00)

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	ITEM 49		ITEM 50	
	TRENCH SUBGRADE STABILIZATION (CONTINGENCY ITEM)	RAIN EVENT ACTION PLAN SAMPLING AND TESTING FOR PH AND TURBIDITY (CONTINGENCY ITEM)		
	Cu. Yds. Approx. Qty =	200 Sampled Rainy Days Approx. Qty =		
ENGINEERING ESTIMATE	\$ 80.00	\$ 1,200.00	\$72,000.00	60
1) MANSON CONSTRUCTION CO.	\$ 60.00	\$ 560.00	\$33,600.00	
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 150.00	\$ 550.00	\$33,000.00	
3) SULLY-MILLER CONTRACTING CO.	\$ 220.00	\$ 1,250.00	\$75,000.00	

1) AVERAGE BID	\$ 143.33	\$ 28,666.67	\$ 786.67	\$ 47,200.00
2) STANDARD DEVIATION	\$ 80.21	\$ 16,041.61	\$ 401.29	\$ 24,077.38
3) ENG. EST. - LOW BIDDER	\$ 20.00	\$ 4,000.00	\$ 640.00	\$ 38,400.00

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	ITEM 51		ITEM 52	
	CORE SAMPLES (CONTINGENCY ITEM)		SPUDDING OF OBSTRUCTIONS (CONTINGENCY ITEM)	
	Cores Approx. Qty. =		40 Lin. Ft. Approx. Qty. =	10
ENGINEERING ESTIMATE	\$ 300.00	\$12,000.00	\$4,000.00	\$40,000.00
1) MANSON CONSTRUCTION CO.	\$ 1,000.00	\$40,000.00	\$4,000.00	\$40,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 550.00	\$22,000.00	\$7,000.00	\$70,000.00
3) SULLY-MILLER CONTRACTING CO.	\$ 278.00	\$11,120.00	\$4,450.00	\$44,500.00

1) AVERAGE BID	\$ 609.33	\$ 24,373.33	\$5,150.00	\$ 51,500.00
2) STANDARD DEVIATION	\$ 364.64	\$ 14,585.55	\$1,617.87	\$ 16,178.69
3) ENG. EST. - LOW BIDDER	\$ (700.00)	\$ (28,000.00)	\$ -	\$ -

**SPECIFICATION NO. 2770**  
**BERTHS 226-236 TERMINAL IMPROVEMENTS**  
**PROJ. CONST. MGR.: BIJAN ROBOUBI**

		ITEM 53	ITEM 54
	Lin. Ft. Approx. Qty. =	CRACK FILLER (CONTINGENCY ITEM)	EXCAVATE, REMOVE, & DISPOSE OR RECY CA HAZ (NON-RCRA) WASTE SOIL OR LIQUID OR FEDERAL (RCRA) HAZ WASTE SOIL OR LIQUID (ALLOWANCE ITEM)
ENGINEERING ESTIMATE	5.00	\$5,000.00	800,000.00
1) MANSON CONSTRUCTION CO.	3.00	\$3,000.00	800,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	28.00	\$28,000.00	800,000.00
3) SULLY-MILLER CONTRACTING CO.	16.00	\$16,000.00	800,000.00

1) AVERAGE BID	\$ 15.67	\$ 15,666.67	\$ 800,000.00
2) STANDARD DEVIATION	\$ 12.50	\$ 12,503.33	\$ -
3) ENG. EST. - LOW BIDDER	\$ 2.00	\$ 2,000.00	\$ -

**SPECIFICATION NO. 2770**  
**BERTHS 226-236 TERMINAL IMPROVEMENTS**  
**PROJ. CONST. MGR.: BIJAN ROBOUBI**

	ITEM 55 UNFORESEEN UTILITY & SUBSTRUCTURE MODIFICATIONS, ADDITIONS, & REMOVALS (ALLOWANCE ITEM)	ITEM 56 PERFORM WORK ASSOCIATED WITH REGULATORY AGENCY CHANGE & ADDITIONAL REQUIREMENTS (ALLOWANCE ITEM)	ITEM 57 PREMIUM TIME FOR SCHEDULE ACCELERATION/OVERTIME (ALLOWANCE ITEM)
ENGINEERING ESTIMATE	\$750,000.00	\$250,000.00	\$300,000.00
1) MANSON CONSTRUCTION CO.	\$750,000.00	\$250,000.00	\$300,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$750,000.00	\$250,000.00	\$300,000.00
3) SULLY-MILLER CONTRACTING CO.	\$750,000.00	\$250,000.00	\$300,000.00

1) AVERAGE BID	\$750,000.00	\$250,000.00	\$300,000.00
2) STANDARD DEVIATION	\$-	\$-	\$-
3) ENG. EST. - LOW BIDDER	\$-	\$-	\$-

**SPECIFICATION NO. 2770**  
**BERTHS 226-236 TERMINAL IMPROVEMENTS**  
**PROJ. CONST. MGR.: BIJAN ROBOUBI**

	ITEM 58	ITEM 59	ITEM 60
	COLLECT, CHARACTERIZE, & DISPOSE OR RECYCLE HAZ WASTE STOCKPILE LEACHAGE & GROUNDWATER (ALLOWANCE ITEM)	INTERNET-BASED PROJECT MANAGEMENT (ALLOWANCE ITEM)	TENANT-REQUESTED CHANGES (ALLOWANCE ITEM)
ENGINEERING ESTIMATE	\$ 200,000.00	\$ 150,000.00	\$ 300,000.00
1) MANSON CONSTRUCTION CO.	\$ 200,000.00	\$ 150,000.00	\$ 300,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 200,000.00	\$ 150,000.00	\$ 300,000.00
3) SULLY-MILLER CONTRACTING CO.	\$ 200,000.00	\$ 150,000.00	\$ 300,000.00

1) AVERAGE BID	\$ 200,000.00	\$ 150,000.00	\$ 300,000.00
2) STANDARD DEVIATION	\$ -	\$ -	\$ -
3) ENG. EST. - LOW BIDDER	\$ -	\$ -	\$ -

**SPECIFICATION NO. 2770**  
**BERTHS 226-236 TERMINAL IMPROVEMENTS**  
**PROJ. CONST. MGR.: BIJAN ROBOUBI**

	ITEM 61	ITEM 62	ITEM 63
	GUARD SERVICE COMPENSATION (ALLOWANCE ITEM)	UNFORESEEN WATERSIDE RELATED WORK (ALLOWANCE ITEM)	CAULERPAX TAXIFOLIA AND EELGRASS SERVICES (ALLOWANCE ITEM)
ENGINEERING ESTIMATE	\$ 300,000.00	\$ 200,000.00	\$ 150,000.00
1) MANSON CONSTRUCTION CO.	\$ 300,000.00	\$ 200,000.00	\$ 150,000.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 300,000.00	\$ 200,000.00	\$ 150,000.00
3) SULLY-MILLER CONTRACTING CO.	\$ 300,000.00	\$ 200,000.00	\$ 150,000.00

1) AVERAGE BID	\$ 300,000.00	\$ 200,000.00	\$ 150,000.00
2) STANDARD DEVIATION	\$ -	\$ -	\$ -
3) ENG. EST. - LOW BIDDER	\$ -	\$ -	\$ -

**SPECIFICATION NO. 2770**  
**BERTHS 226-236 TERMINAL IMPROVEMENTS**  
**PROJ. CONST. MGR.: BIJAN ROBUBI**

	ITEM 64	ITEM 65	GRAND TOTAL
	REMOVAL OF UNFORESEEN OBSTRUCTIONS (ALLOWANCE ITEM)	PARTNERING FACILITY (ALLOWANCE ITEM)	BID ITEMS 1 - 65
ENGINEERING ESTIMATE	\$ 225,000.00	\$ 75,000.00	\$44,674,685.00
1) MANSON CONSTRUCTION CO.	\$ 225,000.00	\$ 75,000.00	\$50,301,380.00
2) SHIMMICK CONSTRUCTION CO., INC.	\$ 225,000.00	\$ 75,000.00	\$56,490,200.00
3) SULLY-MILLER CONTRACTING CO.	\$ 225,000.00	\$ 75,000.00	\$57,257,885.00

1) AVERAGE BID	\$ 225,000.00	\$ 75,000.00	\$ 54,683,155.00
2) STANDARD DEVIATION	\$ -	\$ -	\$ 3,814,092.18
3) ENG. EST. - LOW BIDDER	\$ -	\$ -	\$ (5,626,695.00)

  
**SHAUN SHAHRESTANI**  
**CHIEF HARBOR ENGINEER**  
**DIRECTOR OF CONSTRUCTION**