

**CRANBERRY ISLES PIER EXPANSION
CONSTRUCTION COST ESTIMATE - 01/07/2016**

PIER EXPANSION - NO WAVE BARRIER

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	COST
	PILES (CLASS "B" PILES DELIVERED TO MAINLAND):				
1	SYP 2.5 CCA 12" DIA - 55' X 10 = 550'	FT	\$12.00	550	\$6,600.00
2	SYP 2.5 CCA 12" DIA - 50' X 4 = 200'	FT	\$12.00	200	\$2,400.00
3	SYP 2.5 CCA 12" DIA - 45' X 15 = 675'	FT	\$12.00	675	\$8,100.00
	TIMBER:				
4	SYP - 2.5 CCA TREATED (3,900 X 1.1 = 4,290 BF)	BF	\$1.90	4,290	\$8,151.00
5	SYP - 1.0 ACQ TREATED (2,690 X 1.1 = 2,960 BF)	BF	\$1.20	2,960	\$3,552.00
6	HANDRAIL SYP - 1.0 ACQ TREATED (730 X 1.1 = 805 BF)	BF	\$1.20	805	\$966.00
7	UHMW STRIPS - 4" WIDE X 1 1/2" THICK - 19 EACH AT 20'	LF	\$24.00	380	\$9,120.00
8	CONE PILE CAPS (PRE-MOLDED - BLACK) - 12" DIA	EACH	\$20.00	13	\$260.00
	HARDWARE:				
9	1/2" DIA X 6" WITH WASHERS (RAILINGS)	EACH	\$6.00	90	\$540.00
10	3/4" DIA X 12" WITH WASHERS (POSTS)	EACH	\$9.00	60	\$540.00
11	3/4" DIA X 8" LAG BUTT WITH WASHER (UHMW)	EACH	\$7.00	115	\$805.00
12	1" DIA X 18" WITH WASHERS (BRACING)	EACH	\$12.00	44	\$528.00
13	1" DIA X 22" WITH WASHERS (CAPS)	EACH	\$15.00	50	\$750.00
14	1" DIA X 24" WITH WASHERS (BATTER PILES)	EACH	\$15.00	6	\$90.00
15	DRIFT PINS - 3/4" DIA X 14"	EACH	\$7.00	110	\$770.00
16	DECK SPIKES (6" LONG MINIMUM)	EACH	\$2.00	1,400	\$2,800.00
	GUIDE PILE POCKETS (3 EA) (FAB-GALV-DELIV):				
17	L 8 X 4 X 34"	LB	\$3.00	450	\$1,350.00
18	5/8 PLATE 16 X 36	LB	\$3.00	324	\$972.00
19	1" DIA X 12" BOLT WITH WASHERS & NUTS	EACH	\$11.00	12	\$132.00
20	3/4" DIA X 3" BOLT WITH WASHERS & NUTS	EACH	\$5.00	6	\$30.00
21	MISC. HARDWARE/TIMBER (Shingles, Small Nails, Gangeway Connections, e	LS	\$3,000.00	1	\$3,000.00
	MATERIAL SUBTOTAL				\$51,456.00
	MOBILIZATION	LS	\$75,000.00	1	\$75,000.00
	LABOR & EQUIPMENT - 10 TO 12 WEEKS (\$22,000/WEEK)	LS	\$264,000.00	1	\$264,000.00
	LIMITED DEMOLITION AND DISPOSAL	LS	\$10,000.00	1	\$10,000.00
	PIER TOTAL (NO WAVE BARRIER)				\$400,456.00

WAVE FENCE - TIMBER SHEATHING

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	COST
1	SYP 2.5 CCA TREATED TIMBER (1,368 + 5,328 = 6,696 X 1.1 = 7,350 BF)	BF	\$1.90	7,350	\$13,965.00
2	BOLTS WITH WASHERS & NUTS 3/4" DIA X 11"	EACH	\$9.00	1,184	\$10,656.00
3	BOLTS FOR WALES TO PIE (10 PER WALE LENGTH) 1" DIA X 18"	EACH	\$12.00	40	\$480.00
4	LABOR & EQUIPMENT - 2 WEEKS	LS	\$44,000.00	1	\$44,000.00
	WAVE FENCE - TIMBER SHEATHING TOTAL				\$69,101.00

WAVE FENCE WITH PILES & SHEATHING

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	COST
1	PILES - 12" DIA - SYP 2.5 CCA (43 PILES X 40 FT = 1,720 FT)	FT	\$12.00	1,720	\$20,640.00
2	SYP 2.5 CCA TREATED TIMBER	BF	\$1.90	3,128	\$5,943.20
3	BOLTS - 1" DIA X 18"	EACH	\$12.00	190	\$2,280.00
4	LAGS - 1" DIA X 6"	EACH	\$8.00	592	\$4,736.00
5	LABOR & EQUIPMENT - 2.5 WEEKS	LS	\$55,000.00	1.0	\$55,000.00
	WAVE FENCE - PILES & SHEATHING TOTAL				\$88,599.20

ALTERNATES - SOLID FILL BEHIND WAVE FENCE

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	COST
ALT 1	SOLID FILL ALTERNATE #1 - HEAVY RIP RAP	LS	\$17,000.00	1	\$17,000.00
ALT 2	SOLID FILL ALTERNATE #2 - LAID UP GRANITE	LS	\$135,000.00	1	\$135,000.00
ALT 3	VERTICAL ROCK SOCKET ALTERNATIVE	EACH	\$6,000.00		
ALT 4	BATTER ROCK SOCKET ALTERNATIVE	EACH	\$8,000.00		