



PETERSBURG BOROUGH
BULKHEAD LOADING DOCK
Final Design Submittal Cost Estimate - January 5, 2016
PND Engineers, Inc. Project No. 152045.01

Item	Item Description	Units	Quantity	Unit Cost	Amount	Totals
Base Bid						
1505.1	Mobilization	LS	All Req'd	\$102,300	\$102,300	
2200.1	Leveling Course	CY	200	\$40	\$8,000	
2202.1	Class A Shot Rock Borrow	CY	5,200	\$22	\$114,400	
2205.1	Remove and Salvage Armor Rock and Shot Rock Fill	LS	All Req'd	\$25,000	\$25,000	
2702.1	Construction Survey Measurement	LS	All Req'd	\$15,000	\$15,000	
2369.1	Sheet Pile Bulkhead	LS	All Req'd	\$815,000	\$815,000	
5120.1	Pipe Bullrail	LF	240	\$130	\$31,200	
16000.1	Lighting	LS	All Req'd	\$22,500	\$22,500	
ESTIMATED BASE BID CONSTRUCTION PRICE					\$1,133,400	
CONTINGENCY (10%)					\$113,340	
CONTRACT ADMINISTRATION & CONSTRUCTION INSPECTION (8%)					\$90,672	
TOTAL ESTIMATED PROJECT BUDGET					\$1,337,412	\$1,337,412 BB
Additive Alternate A - Face Beam and Steel Fender Piles w/ HDPE Sleeves						
1505.1A	Mobilization	LS	All Req'd	\$6,200	\$6,200	
2896.1A	Steel Fender Pile with HDPE Sleeve	EA	7	\$10,000	\$70,000	
5120.2A	Steel Face Beam, Bullrail and Filler Plates	LS	All Req'd	\$50,000	\$50,000	
5120.3A	Safety Ladder	EA	2	\$6,000	\$12,000	
					\$138,200	
CONTINGENCY (10%)					\$13,820	
CONTRACT ADMINISTRATION & CONSTRUCTION INSPECTION (8%)					\$11,056	
TOTAL ESTIMATED PROJECT BUDGET					\$163,076	\$1,500,488 BB+A
Additive Alternate B - Dredging & Upland Disposal						
1505.1B	Mobilization	LS	All Req'd	\$12,800	\$12,800	
2702.1B	Construction Survey Measurement	LS	All Req'd	\$15,000	\$15,000	
2881.1B	Dredging and Upland Disposal	CY	1,400	\$50	\$70,000	
ESTIMATED ADDITIVE ALTERNATE CONSTRUCTION PRICE					\$97,800	
CONTINGENCY (10%)					\$9,780	
CONTRACT ADMINISTRATION & CONSTRUCTION INSPECTION (8%)					\$7,824	
TOTAL ESTIMATED PROJECT BUDGET					\$115,404	\$1,615,892 BB+A+B
Additive Alternate C - End Fender Piles with HDPE Sleeves						
1505.1C	Mobilization	LS	All Req'd	\$4,000	\$4,000	
2896.2C	End Fender Pile with HDPE Sleeve	EA	2	\$20,000	\$40,000	
ESTIMATED ADDITIVE ALTERNATE CONSTRUCTION PRICE					\$44,000	
CONTINGENCY (10%)					\$4,400	
CONTRACT ADMINISTRATION & CONSTRUCTION INSPECTION (8%)					\$3,520	
TOTAL ESTIMATED PROJECT BUDGET					\$51,920	\$1,667,812 BB+A+B+C

NOTE: Budget does not include power, loading crane, paving or sacrificial anodes. Lighting includes one new 50' light pole in uplands but no dock face lighting.