

**PORTAGE COVE HARBOR
BOAT LAUNCH IMPROVEMENTS
65% DESIGN REVIEW SUBMITTAL
Engineers Estimate - July 20, 2018
PND Engineers, Inc.
Project No. 172032.02**



Item	Item Description	Units	Quantity	Unit Cost	Amount
BASE BID					
1505.1	Mobilization	LS	All Req'd	10%	\$271,200
2060.1	Demolition and Disposal	LS	All Req'd	\$30,000	\$30,000
2201.1	Clearing and Grubbing	LS	All Req'd	\$2,500	\$2,500
2202.1	Excavation and Disposal	CY	2,500	\$15	\$37,500
2202.2	Shot Rock Borrow, Class A	CY	8,000	\$35	\$280,000
2204.1	Base Course, Grading A	CY	400	\$50	\$20,000
2204.2	Base Course, Grading C-1	CY	2,800	\$50	\$140,000
2205.1	Armor Rock, Class II	CY	35	\$80	\$2,800
2205.2	Armor Rock, Class III	CY	2,000	\$90	\$180,000
2501.1	18-Inch CPP Storm Drain Pipe	LF	670	\$70	\$46,900
2501.2	6-Inch CPP Storm Drain Pipe	LF	40	\$60	\$2,400
2502.1	Storm Drain Catch Basin, Type IV	EA	6	\$3,500	\$21,000
2502.2	Trench Drain	LS	All Req'd	\$10,000	\$10,000
2702.1	Construction Surveying	LS	All Req'd	\$40,000	\$40,000
2714.1	Geotextile Fabric	SY	1,000	\$6	\$6,000
2718.1	Signage	LS	All Req'd	\$10,000	\$10,000
2893.1	8'x260' Timber Boarding Float	LS	All Req'd	\$415,000	\$415,000
2896.1	Furnish and Install 12.75" dia. Steel Pipe Pile	EA	7	\$10,000	\$70,000
2910.1	Planting Soils	LS	All Req'd	\$50,000	\$50,000
2920.1	Lawns and Grasses	LS	All Req'd	\$1,500	\$1,500
2930.1	Exterior Plants & General Landscaping	LS	All Req'd	\$40,000	\$40,000
2970.1	Landscape Maintenance	LS	All Req'd	\$1,000	\$1,000
3301.1	6-Inch Thick Concrete Sidewalks and Aprons	SY	1,955	\$150	\$293,250
3301.2	Textured Concrete Paving	SY	80	\$200	\$16,000
3303.1	Concrete Curbs, Type I & II	LF	1,952	\$50	\$97,600
3303.2	Concrete Curb, Type III (Rolled Curb)	LF	248	\$75	\$18,600
3305.1	Boat Launch Apron and Abutment	LS	All Req'd	\$100,000	\$100,000
3305.2	Precast Concrete Ramp Planks	LS	All Req'd	\$575,000	\$575,000
5120.1	Bollards	EA	4	\$500	\$2,000
13121.1	Covered Shelter	LS	All Req'd	\$140,000	\$140,000
13121.2	Kiosk	LS	All Req'd	\$20,000	\$20,000
13121.3	Harbor Park Retaining Walls & Stairs	LS	All Req'd	\$75,000	\$75,000
ESTIMATED BASE BID PRICE					\$3,015,250
CONTINGENCY (8%)					\$241,220
PLANNING & PUBLIC INVOLVEMENT					\$99,013
FINAL DESIGN, CONTRACT ADMIN & CONSTRUCTION INSPECTION (20%)					\$603,050
RECOMMENDED BASE BID BUDGET					\$3,958,533

Item	Item Description	Units	Quantity	Unit Cost	Amount
ADDITIVE ALTERNATE 1 - HARBOR UTILITIES					
2401.1	3-Inch HDPE Wastewater Pipe	LF	700	\$70	\$49,000
2601.1	4-Inch HDPE Water Pipe	LF	150	\$80	\$12,000
2601.2	1-Inch HDPE Water Pipe	LF	640	\$75	\$48,000
2601.3	Water Meter Enclosure with Components	LS	All Req'd	\$30,000	\$30,000
2603.1	Fire Hydrant	EA	1	\$5,000	\$5,000
16000.1-1	Electrical Service (Conduit)	LS	All Req'd	\$35,000	\$35,000
ESTIMATED ADDITIVE ALTERNATE BID PRICE					\$179,000
CONTINGENCY (8%)					\$14,320
FINAL DESIGN, CONTRACT ADMIN & CONSTRUCTION INSPECTION (20%)					\$35,800
RECOMMENDED ADD. ALT. 1 BUDGET					\$229,120
RECOMMENDED BASE BID & ADD. ALT. 1 BUDGET					\$4,187,653

Item	Item Description	Units	Quantity	Unit Cost	Amount
ADDITIVE ALTERNATE 2 - LIGHTING (PERIMETER & FLOAT)					
16000.2-2	Float Mounted Lighting	LS	All Req'd	\$75,000	\$75,000
16000.3-2	Area Lighting - Perimeter	LS	All Req'd	\$240,000	\$240,000
ESTIMATED ADDITIVE ALTERNATE BID PRICE					\$315,000
CONTINGENCY (8%)					\$25,200
FINAL DESIGN, CONTRACT ADMIN & CONSTRUCTION INSPECTION (20%)					\$63,000
RECOMMENDED ADD. ALT. 2 BUDGET					\$403,200
RECOMMENDED BASE BID & ADD. ALT. 1 & 2 BUDGET					\$4,590,853

Item	Item Description	Units	Quantity	Unit Cost	Amount
ADDITIVE ALTERNATE 3 - LIGHTING (FRONT ST)					
16000.4-3	Area Lighting - Front St	LS	All Req'd	\$140,000	\$140,000
ESTIMATED ADDITIVE ALTERNATE BID PRICE					\$140,000
CONTINGENCY (8%)					\$11,200
FINAL DESIGN, CONTRACT ADMIN & CONSTRUCTION INSPECTION (20%)					\$28,000
RECOMMENDED ADD. ALT. 3 BUDGET					\$179,200
RECOMMENDED BASE BID & ADD. ALT. 1, 2 & 3 BUDGET					\$4,770,053

Item	Item Description	Units	Quantity	Unit Cost	Amount
ADDITIVE ALTERNATE 4 - PAVING & STRIPING					
1505.1-4	Mobilization	LS	All Req'd	10%	\$59,600
2702.1-4	Construction Surveying	LS	All Req'd	\$25,000	\$25,000
2801.1-4	3-Inch Thick Asphalt Concrete Paving	SY	16,050	\$34	\$545,700
2720.1-4	Painted Traffic Markings	LS	All Req'd	\$25,000	\$25,000
ESTIMATED ADDITIVE ALTERNATE BID PRICE					\$655,300
CONTINGENCY (8%)					\$52,424
FINAL DESIGN, CONTRACT ADMIN & CONSTRUCTION INSPECTION (20%)					\$131,060
RECOMMENDED ADD. ALT. 4 BUDGET					\$838,784
RECOMMENDED BASE BID & ADD. ALT. 1, 2, 3 & 4 BUDGET					\$5,608,837

Item	Item Description	Units	Quantity	Unit Cost	Amount
ADDITIVE ALTERNATE 5 - HARBOR OFFICE MSE WALL & PAD					
2726.1-5	Concrete Block MSE Wall	SF	2,160	\$100	\$216,000
2204.2-5	Base Course, Grading C-1	CY	75	\$50	\$3,750
2202.2-5	Shot Rock Borrow, Class A	CY	2,500	\$35	\$87,500
2205.2-5	Salvage and Relocate Armor Rock	CY	250	\$35	\$8,750
2707.1-5	Chain Link Fence	LF	144	\$50	\$7,200
ESTIMATED ADDITIVE ALTERNATE BID PRICE					\$323,200
CONTINGENCY (8%)					\$25,856
FINAL DESIGN, CONTRACT ADMIN & CONSTRUCTION INSPECTION (20%)					\$64,640
RECOMMENDED ADD. ALT. 5 BUDGET					\$413,696
RECOMMENDED BASE BID & ADD. ALT. 1, 2, 3, 4 & 5 BUDGET					\$6,022,533

NOTE: This budget has been prepared prior to final scoping and engineering design. It should be regarded as a preliminary budget subject to change as the final scope of improvements is determined by the Borough.