

**Port of Brookings : Ice House-Sheet Pile Wall Repair**

**Engineer's Estimate (Preliminary)**

2/10/2019

<b>Item No.</b>	<b>Item</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Total Price</b>	<b>Remarks</b>
1	Final Project Design	LS	1	\$18,000	\$1,000	
2	Permitting	LS	1	\$15,000	\$15,000	Shared with Fuel, Pac-Choice, Old BC Fisheries Docks
3	Contractor Procurement	LS	1	\$3,000	\$3,000	Shared with Fuel, Pac-Choice, Old BC Fisheries Docks
1	Mobilization	LS	1	\$36,000	\$36,000	Shared with Other Subprojects in Phase I
2	Erosion Control	LS	1	\$5,000	\$5,000	
3	Pollution Control Plan	LS	1	\$500	\$500	
4	Removal of Structures and Obstructions	LS	1	\$42,000	\$42,000	Anything man-made not removable as General Excavation
6	General Excavation	Cy	600	\$5	\$3,000	Excavation to bottom of working pad
10	Nonwoven Filter Geotextile	Sy	300	\$1	\$300	
11	Shoring	Sy	60	\$400	\$24,000	
13	Selected General Backfill	Cy	300	\$8	\$2,400	
21	Wharf Fenders	Ft.	350	\$20	\$7,000	Fenders already owned by Port
22	Aggregate Base	Cy	250	\$45	\$11,250	
Subtotal of Biddable Items:					\$150,450	
Contingencies @ 10%:					\$15,000	
Construction Engineering @ 15%:					\$5,000	
<b>Construction Total:</b>					<b>\$170,450</b>	