



Project: Skagway Ore Peninsula
 Location: Skagway, AK
 Client: Municipality of Skagway

Date: 10/26/2022

Estimated Program Costs - Skagway Ore Terminal

Month that costs are Paid in	October	November	December	January	February	March	April	May	Oct-May Anticipated Costs
Emergency Project Design (KPFF and Subs)	\$ 87,252	\$ 240,000	\$ 52,000	\$ 65,000	\$ 33,500	\$ 65,000	\$ 65,000	\$ 33,000	\$ 640,752
Emergency Project (KPFF)	\$ 87,252	\$ 200,000	\$ 40,000	\$ 35,000	\$ 3,500	\$ 45,000	\$ 45,000	\$ 25,000	\$ 480,752
Emergency Project (Subs)		\$ 40,000	\$ 12,000	\$ 30,000	\$ 30,000	\$ 20,000	\$ 20,000	\$ 8,000	\$ 160,000
Emergency Project	\$ 381,284	\$ -	\$ 989,863	\$ 2,084,100	\$ 4,431,650	\$ 3,070,707	\$ 2,050,000	\$ 1,760,000	\$ 14,767,605
Piles					\$ 2,381,650	\$ 1,020,707			\$ 3,402,358
Fenders	\$ 268,934		\$ 627,514						\$ 896,448
Gangways	\$ 112,350		\$ 112,350						\$ 224,699
Capstans				\$ 84,100					\$ 84,100
Marine Mammal Monitoring					\$ 50,000	\$ 50,000	\$ 50,000	\$ 10,000	\$ 160,000
General Contractor			\$ 250,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 1,750,000	\$ 10,000,000
TOTAL MONTHLY ANTICIPATED COSTS	\$ 469,000	\$ 240,000	\$ 1,042,000	\$ 2,150,000	\$ 4,466,000	\$ 3,136,000	\$ 2,115,000	\$ 1,793,000	\$ 15,410,000

Sales tax on contactor work and pre-procured items not include



Ore Dock Large Ship Mooring 2023 - ROM Estimate of Construction Costs Detail Draft 10.8.2022					
	Item	Quantity	Unit	Unit Cost	Cost (2022\$)
1.00	Mobilization and Demobilization (20%)	1	LS	\$ 1,450,600	\$ 1,450,000
2.00	Temporary Erosion and Settlement Control	1	LS	\$ 53,288	\$ 53,000
2.01	Float Debris Boom	1130	LF	\$ 40	\$ 45,200
2.02	Absorbent Socks	1130	LF	\$ 6	\$ 6,780
2.03	Temporary Construction Fencing	218	LF	\$ 6	\$ 1,308
2.04	Contractor Shipping of Piles and Fenders	1	EA	\$ 200,000	\$ 200,000
3.00	Demolition & Disposal	1	LS	\$ 2,180,000	\$ 2,180,000
3.01	Concrete Dolphin Demolition	1	LS	\$40,000	\$40,000
3.01	Timber Trestle Demolition	15000	SF	\$40	\$600,000
3.04	Ore Loader Demolition	1	LS	\$1,385,000	\$1,390,000
3.05	Barge Haul for Demo	1	EA	\$100,000	\$100,000
3.07	Electrical Demolition	1	LS	\$50,000	\$50,000
4.00	Spud Barge & Guide Piles	1	LS	\$ 165,000	\$ 165,000
4.01	Outfit Barge with Pile hoops	4	EA	\$30,000	\$120,000
4.02	125' Gangway attachment	1	LS	\$25,000	\$25,000
4.03	Guide Pile Install	4	EA	\$5,000	\$20,000
5.00	Mooring Dolphins & Bollards	1	LS	\$ 3,644,600	\$ 3,640,000
5.01	Typical Dolphin Construction Cost	2	EA	\$594,750	\$1,190,000
5.02	Dolphin A Reinforcement	1	EA	\$793,000	\$793,000
5.03	Install Bollards on Ore Loader	2	EA	\$35,000	\$70,000
5.04	Install Deep Water Dolphin	1	EA	\$793,000	\$793,000
5.05	Underwater Locating and Observations of Sea Cable	1	LS	\$150,000	\$150,000
5.06	65' catwalk	1	LS	\$85,000	\$85,000
5.07	Pile Splicing (pre Driving)	40	EA	\$1,500	\$60,000
5.08	Pile Splicing (During Driving)	15	EA	\$2,500	\$38,000
6.00	Existing Dolphin Modifications	2	EA	\$ 70,000	\$ 140,000
6.01	Install Piles at 2 existing Dolphins	8	EA	\$5,000	\$40,000
6.02	Reinforce Existing Fender Panels	4	EA	\$25,000	\$100,000
7.00	Electrical Work for Capstans and Lights	1	LS	\$ 75,000	\$ 75,000



Ore Dock Large Ship Mooring 2023 - ROM Estimate of Construction Costs Detail Draft 10.8.2022					
	Item	Quantity	Unit	Unit Cost	Cost (2022\$)
8.00	Corrosion Protection at New and upgraded Dolphins	1	LS	\$ -	\$ -
Construction Subtotal					\$ 7,703,000
25% Design Contingency					\$ 1,930,000
Total ROM Construction					\$ 9,633,000
Estimated Soft Costs					
Marine Mammal Monitoring					\$ 150,000
Project Engineering Design, & Permitting, Bid Package & Const Support					\$ 670,000
Total ROM Soft Costs					\$ 820,000
MOS Reprocured Items					\$ 4,984,438
Total ROM Project Cost Estimate					\$ 15,440,000

Notes

1. All costs are rounded to the nearest \$1,000, \$10,000 or \$100,000.
2. Items in blue are costs that will not apply to the future project \$ 1,825,000 Total
3. If an appropriate Gangway is located to rent a new one will not need to be procured
4. 25% Design Contingency Recommended
5. Ok to hold off on Corrison Anodes for a year