

PORT ENGINEER – OPINION OF PROBABLE CONSTRUCTION COSTS

Port of Port Townsend
 Herb Beck Marina Boat Launch Replacement Project
 Preliminary Conceptual-Level Costs
 1/5/2023

Item	Quantity	Unit	Unit Cost	Price
Boat Launch Parking			\$	386,900
Mobilization	1	LS	\$ 25,000	\$ 25,000
Clearing & Grubbing	0.23	AC	\$ 25,000	\$ 5,800
Temp. Erosion & Sediment Control	1	LS	\$ 2,500	\$ 2,500
Spill Prevention and Counter Control	1	LS	\$ 500	\$ 500
Pavement Removal	1159	SY	\$ 20	\$ 23,200
Construction Survey	1	LS	\$ 10,000	\$ 10,000
Roadway Excavation	515	CY	\$ 55	\$ 28,400
Crushed Surfacing Base Course	644	CY	\$ 65	\$ 41,900
Conc. Sidewalk	81	SY	\$ 225	\$ 18,200
Hot Mix Asphalt	660	TON	\$ 165	\$ 108,900
Dry Wells	6	EA	\$ 5,000	\$ 30,000
Overhead Undergrounding	100	LF	\$ 75	\$ 7,500
Striping	1	LS	\$ 20,000	\$ 20,000
Site Furnishings (bench, bike racks, picnic t	1	LS	\$ 20,000	\$ 20,000
Kiosk & Interpretive Signs	1	LS	\$ 10,000	\$ 10,000
Landscaping	1000	SY	\$ 25	\$ 25,000
Fence	200	LF	\$ 50	\$ 10,000
Restroom			\$	119,500
Demo	1	LS	\$ 5,000	\$ 5,000
Toilet/Urinal	4	EA	\$ 1,000	\$ 4,000
Sink	2	EA	\$ 1,500	\$ 3,000
Mirror	2	EA	\$ 500	\$ 1,000
Partition	1	LS	\$ 22,500	\$ 22,500
ADA Fixtures	1	LS	\$ 3,500	\$ 3,500
Flooring	600	SF	\$ 20	\$ 12,000
Wall Surface	1	LS	\$ 7,000	\$ 7,000
Paint	1	LS	\$ 7,500	\$ 7,500
Shower	2	EA	\$ 15,000	\$ 30,000
Exhaust Fan	2	EA	\$ 1,500	\$ 3,000
Towel/Soap Dispenser	1	LS	\$ 500	\$ 500
ADA Activated Door	2	EA	\$ 9,500	\$ 19,000
Debris Disposal	1	LS	\$ 1,500	\$ 1,500

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Item	Quantity	Unit	Unit Cost	Price
Boat Launch			\$	919,300
Mobilization	1	LS	\$ 75,000	\$ 75,000
Temp. Erosion & Sediment Control	1	LS	\$ 5,000	\$ 5,000
Spill Prevention and Counter Control	1	LS	\$ 1,000	\$ 1,000
Construction Survey	1	LS	\$ 15,000	\$ 15,000
Demo & Excavation	420	CY	\$ 60	\$ 25,200
Shoulder & Toe Protection	1770	Ton	\$ 85	\$ 150,500
Geotextile Fabric	1000	SY	\$ 8.0	\$ 8,000
Gravel Base	315	Ton	\$ 115	\$ 36,300
Precast Concrete Ramp	3050	SF	\$ 85	\$ 259,300
CIP Approach Wedge	1	LS	\$ 25,000	\$ 25,000
Boarding Floats	280	SF	\$ 250	\$ 70,000
Furnish Boarding Float Pile	7	EA	\$ 10,000	\$ 70,000
Install Boarding Float Pile	7	EA	\$ 5,000	\$ 35,000
Concrete Retaining Wall	420	SF	\$ 200	\$ 84,000
Misc. Items	1	LS	\$ 10,000	\$ 10,000
Mitigation *	1	LS	\$ 50,000	\$ 50,000
			Subtotal	\$ 1,425,700
			Contingency (20%)	\$ 285,200
			Sales Tax (9.1%)	\$ 94,600
			Total Construction	\$ 1,805,500
			Permitting (about 3%)	\$ 50,000
			Cultural (about 0.5%)	\$ 10,000
			Professional Services (15%)	\$ 270,900
			Construction Admin (in above Prof. Serv.)	\$ -
			Total Professional Services	\$ 330,900
			Total Project	\$ 2,136,400

Notes

* This estimate is a concept level estimate. Project mitigation will be know after applying the Puget Sound Habitat Mitigation Calculator during permitting.

Any differences between this estimate and the numbers reflected in PRISM are due to rounding.