

**BID TABULATION - POINT HUDSON BREAKWATER REPLACEMENT  
EDA PROJECT NO. 07-79-07724**

SCHEDULE N, S, W				ENGINEERS ESTIMATE		ORION		AMERICAN		MANSON	
NO.	ITEM	QUANTITY		UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
N1	Mobilization/Demobilization	1	LS	\$416,000	\$416,000	\$525,000	\$525,000	\$440,000	\$440,000	\$1,200,000	\$1,200,000
N2	Demolition - Material Removal and Disposal	1	LS	\$420,000	\$420,000	\$600,000	\$600,000	\$450,000	\$450,000	\$820,000	\$820,000
N3	Demolition - Pile/Structure Removal and Disposal	480	TON	\$650	\$312,000	\$500	\$240,000	\$825	\$396,000	\$480	\$230,400
N4	Construction Surveying	1	LS	\$25,000	\$25,000	\$95,000	\$95,000	\$65,000	\$65,000	\$200,000	\$200,000
N5	Environmental Protection and Site Restoration	1	LS	\$35,000	\$35,000	\$30,000	\$30,000	\$50,000	\$50,000	\$100,000	\$100,000
N6	12.75" Ø Steel Pipe Pile	178	EA	\$13,400	\$2,385,200	\$8,500	\$1,513,000	\$9,000	\$1,602,000	\$12,000	\$2,136,000
N7	Walers and Tie Rods	1	LS	\$241,000	\$241,000	\$215,000	\$215,000	\$350,000	\$350,000	\$300,000	\$300,000
N8	Armor Stone	4550	TON	\$280	\$1,274,000	\$140	\$637,000	\$112	\$509,600	\$127	\$577,850
N9	Shoreline Protection Stone	110	TON	\$150	\$16,500	\$140	\$15,400	\$112	\$12,320	\$850	\$93,500
N10	Bedding Stone	840	TON	\$100	\$84,000	\$100	\$84,000	\$80	\$67,200	\$116	\$97,440
N11	Beach Compatible Material	420	TON	\$100	\$42,000	\$120	\$50,400	\$80	\$33,600	\$145	\$60,900
N12	Navigation Aids and Signs	1	LS	\$25,000	\$25,000	\$8,000	\$8,000	\$9,000	\$9,000	\$20,000	\$20,000
N13	Habitat Rock Nursery	1	LS	\$90,000	\$90,000	\$50,000	\$50,000	\$40,000	\$40,000	\$65,000	\$65,000
S1	Mobilization/Demobilization	1	LS	\$905,000	\$905,000	\$525,000	\$525,000	\$428,000	\$428,000	\$750,000	\$750,000
S2	Demolition - Material Removal and Disposal	1	LS	\$932,000	\$932,000	\$950,000	\$950,000	\$885,000	\$885,000	\$1,270,000	\$1,270,000
S3	Demolition - Pile Removal and Disposal	630	TON	\$650	\$409,500	\$550	\$346,500	\$950	\$598,500	\$480	\$302,400
S4	Construction Surveying	1	LS	\$25,000	\$25,000	\$95,000	\$95,000	\$65,000	\$65,000	\$200,000	\$200,000
S5	Environmental Protection and Site Restoration	1	LS	\$30,000	\$30,000	\$30,000	\$30,000	\$15,000	\$15,000	\$50,000	\$50,000
S6	Temporary Shoring	1	LS	\$80,000	\$80,000	\$90,000	\$90,000	\$200,000	\$200,000	\$250,000	\$250,000
S7	12.75" Ø Steel Pipe Pile	148	EA	\$13,400	\$1,983,200	\$8,500	\$1,258,000	\$9,500	\$1,406,000	\$12,500	\$1,850,000
S8	16" Ø Steel Pipe Pile	39	EA	\$15,100	\$588,900	\$12,000	\$468,000	\$12,500	\$487,500	\$14,000	\$546,000
S9	Walers and Tie Rods	1	LS	\$234,000	\$234,000	\$215,000	\$215,000	\$360,000	\$360,000	\$300,000	\$300,000
S10	Geotextile Fabric	760	SY	\$20	\$15,200	\$8	\$6,080	\$30	\$22,800	\$30	\$22,800
S11	Armor Stone	4970	TON	\$280	\$1,391,600	\$140	\$695,800	\$120	\$596,400	\$127	\$631,190
S12	Shoreline Protection Stone	180	TON	\$150	\$27,000	\$140	\$25,200	\$120	\$21,600	\$700	\$126,000
S13	Bedding Stone	1830	TON	\$100	\$183,000	\$100	\$183,000	\$85	\$155,550	\$116	\$212,280
S14	Beach Compatible Material	440	TON	\$100	\$44,000	\$120	\$52,800	\$85	\$37,400	\$145	\$63,800
S15	Revetment Stone	390	TON	\$150	\$58,500	\$120	\$46,800	\$120	\$46,800	\$310	\$120,900
S16	Navigation Aids and Signs	1	LS	\$30,000	\$30,000	\$8,000	\$8,000	\$9,000	\$9,000	\$20,000	\$20,000
W1	Timber Walkway	1	LS	\$420,000	\$420,000	\$350,000	\$350,000	\$375,000	\$375,000	\$550,000	\$550,000
				<b>SUBTOTAL</b>	\$12,722,600		\$9,407,980		\$9,734,270		\$13,166,460
				<b>TAX (9.1%)</b>	\$1,157,757		\$856,126		\$885,819		\$1,198,148
				<b>TOTAL CONSTRUCTION COST SCHEDULES N, S, W</b>	<b>\$13,880,357</b>		<b>\$10,264,106</b>		<b>\$10,620,089</b>		<b>\$14,364,608</b>

SCHEDULE A				ENGINEERS ESTIMATE		ORION		AMERICAN		MANSON	
NO.	ITEM	QUANTITY		UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
A1	Aluminum Anodes	365	EA	\$1,250	\$456,250	\$1,000.00	\$365,000.00	\$1,165.00	\$425,225.00	\$913.00	\$333,245.00
				<b>SUBTOTAL</b>	\$456,250		\$365,000		\$425,225		\$333,245
				<b>TAX (9.1%)</b>	\$41,519		\$33,215		\$38,695		\$30,325
				<b>TOTAL CONSTRUCTION COST SCHEDULES N, S, W, A</b>	<b>\$14,378,125</b>		<b>\$10,662,321</b>		<b>\$11,084,009</b>		<b>\$14,728,178</b>

Sealed bids were opened at the Port of Port Townsend, 2701 Jefferson Street, Port Townsend, WA 98368 on Thursda

I hereby certify that, to the best of my knowledge, the above tabulations are true and correct transcriptions of the ur

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Matt Klontz, P.E., Port Engineer

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Eron Berg, Executive Director