

4/2022  
 FROM DAN WILLIAMS MSA  
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Summary

**Manitowoc Marina Rebuild**

**Preliminary Opinion of Probable Construction Costs**

Item	Quantity	Unit	Unit Cost	Total	Subtotal	15% cont.	Total Const.	Eng Fee	Total Cost
<b>A Dock</b>									
Demolition	1	LS	\$ 30,000.00	\$ 30,000.00					
Docks, Floats, Deck	6651	SF	\$ 75.00	\$ 498,825					
Anchorage		Percentage	\$ 0.10	\$ 49,883					
Electrical	36	Slip	\$ 8,000.00	\$ 288,000					
Switchgear replacement				\$ 34,000					
Potable Water	36	Slip	\$ 600.00	\$ 21,600					
Fire Protection	36	Slip	\$ 800.00	\$ 28,800					
Gangway (assume 40')	1	EA	\$ 30,000.00	\$ 30,000					
Accessories	36	Slip	\$ 1,500.00	\$ 54,000					
Fuel System	1	LS	\$ 220,000.00	\$ 220,000					
Pumpout System				\$ -					
					\$ 1,255,108	\$ 188,266	\$ 1,443,374	\$ 86,602	\$ 1,529,976
<b>B Dock</b>									
Demolition	1	LS	\$ 30,000.00	\$ 30,000.00					
Docks, Floats, Deck	6364	SF	\$ 75.00	\$ 477,300					
Anchorage		Percentage	\$ 0.10	\$ 47,730					
Electrical	48	Slip	\$ 8,000.00	\$ 384,000					
Switchgear				\$ 15,000					
Potable Water	48	Slip	\$ 600	\$ 28,800					
Fire Protection	48	Slip	\$ 800	\$ 38,400					
Gangway (assume 40')	1	EA	\$ 20,000.00	\$ 20,000					
Accessories	48	Slip	\$ 1,500.00	\$ 72,000					
					\$ 1,113,230	\$ 166,985	\$ 1,280,215	\$ 64,011	\$ 1,344,225
<b>C Dock</b>									
Demolition	1	LS	\$ 30,000.00	\$ 30,000.00					
Docks, Floats, Deck	5872	SF	\$ 75.00	\$ 440,400					
Anchorage		Percentage	\$ 0.10	\$ 44,040					
Electrical	50	Slip	\$ 8,000.00	\$ 400,000					
Switchgear				\$ 17,000					
Potable Water	50	Slip	\$ 600	\$ 30,000					
Fire Protection	50	Slip	\$ 800	\$ 40,000					
Gangway (assume 40')	1	EA	\$ 20,000.00	\$ 20,000					
					\$ 1,096,440	\$ 164,466	\$ 1,260,906	\$ 63,045	\$ 1,323,951

Summary

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>	<u>Subtotal</u>
Accessories	50	Slip	\$ 1,500.00	\$ 75,000	
<b>D Dock</b>					\$ 1,101,820
Demolition	1	LS	\$ 30,000.00	\$ 30,000.00	
Docks, Floats, Deck	6056	SF	\$ 75.00	\$ 454,200	
Anchorage		Percentage	\$ 0.10	\$ 45,420	
Electrical	48	Slip	\$ 8,000.00	\$ 384,000	
Switchgear				\$ 29,000	
Potable Water	48	Slip	600	\$ 28,800	
Fire Protection	48	Slip	800	\$ 38,400	
Gangway (assume 40')	1	EA	\$ 20,000.00	\$ 20,000	
Accessories	48	Slip	\$ 1,500.00	\$ 72,000	
					\$ 1,267,093
					\$ 165,273
					\$ 3,311,490
					\$ 496,724
					\$ 3,808,214
					\$ 190,411
					\$ <del>3,998,624</del>
					All One Project
					\$ 152,329
					\$ <del>3,969,542</del>
					Phased Project

TOTAL DOCKS A-D  
 \$ 5,528,600