

Tramp Harbor Pier Repairs  
 Rough Order of Magnitude Design and Construction Cost  
 Pre-Design Estimate  
 February 9, 2015



Construction or Design Item	Unit	QTY	Unit Price	Subtotal
Mobilization/Demobilization	LS	1	\$20,000	\$20,000
Immediate Pile Repairs	EA	6	\$15,000	\$90,000
Secondary Pile Repairs	EA	6	\$15,000	\$90,000
Miscellaneous Repair and Shimming	LS	1	\$5,000	\$5,000

Subtotal Construction Cost	\$205,000
Construction Contingency @ 20%	\$41,000
Sales Tax @ 8.6%	\$21,156
<b>Rough Order of Magnitude Construction Cost</b>	<b>\$267,000</b>

Rough Order of Magnitude Structural Design Cost	\$25,000
Rough Order of Magnitude Dive Inspection Cost	\$10,000
Rough Order of Magnitude Permitting Assistance Cost	\$10,000

<b>Rough Order of Magnitude Total Design and Construction Cost</b>	<b>\$312,000</b>
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Assumptions

1. Assumes portions of piles are replaced with ACZA treated timber poles.
2. Dive inspection and permitting assistance via sub-consultants (not based on actual fee estimates).

DRAFT PRELIMINARY PRE-DESIGN ESTIMATE