

CITY OF DEPOE BAY

DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT

ENGINEER'S CONSTRUCTION COST ESTIMATE (90%)

| Bid Item | Item Description | Basis of Measure | Approx. Quantity | Unit Price | Total Amount |
|--|---|------------------|------------------|-----------------|------------------------|
| 1 | Mobilization and Demobilization | LS | 1 | \$ 340,000.00 | \$ 340,000.00 |
| 2 | Demolition | LS | 1 | \$ 170,000.00 | \$ 170,000.00 |
| 3 | Furnish and Install Floating Docks | LS | 1 | \$ 1,975,000.00 | \$ 1,975,000.00 |
| 4 | Furnish and Install 16" Float Piles | EA | 32 | \$ 21,000.00 | \$ 672,000.00 |
| 5 | Install Salvaged 12.75" Float Piles | EA | 6 | \$ 7,500.00 | \$ 45,000.00 |
| 6 | Furnish and Install Bearing Piles | EA | 2 | \$ 14,550.00 | \$ 29,100.00 |
| 7 | Furnish and Install Pier | LS | 1 | \$ 33,400.00 | \$ 33,400.00 |
| 8 | Furnish and Install ADA Gangway | LS | 1 | \$ 68,000.00 | \$ 68,000.00 |
| 9 | Furnish and Install Dock Potable Water System | LS | 1 | \$ 48,000.00 | \$ 48,000.00 |
| 10 | Furnish and Install Dock Electrical and Lighting System | LS | 1 | \$ 323,100.00 | \$ 323,100.00 |
| 11 | Fire Extinguishers, Life Rings and Ladders | LS | 0 | \$ 22,000.00 | \$ - |
| BID SCHEDULE TOTAL | | | | | \$ 3,703,600.00 |
| SUGGESTED 12% CONSTRUCTION CONTINGENCY | | | | | \$ 440,000.00 |
| BID TOTAL WITH CONTINGENCY | | | | | \$ 4,143,600.00 |

Notes:

- 1 Approx. 10% items 2 - 11
- 2 Extract 39 H-piles and 6 pipe piles (@\$1k/ea), Remove 10,000 sf floats (@\$10/sf), Temporary support utilities (@\$3k), Disposal/recycle 230 tons (@\$100/ton) [~\$17/sf TOTAL]
- 3 Fabricated steel frames, incl. galv., hinges, hoops, rubstrips, hardware, etc. ~202,000 lbs (@\$8.00/lb), Polyub billets ~262 units (@\$500/ea), FRP grating ~11,900 sf (@\$15/sf), Delivery and install 49 dock units (@\$1k/ea) [~\$170/sf TOTAL]
- 4 16" dia x 0.5"t x 60' long, galv. = 5,130 lb (@\$1.50/lb), plus shoe, splice, cap (@\$800/ea) = \$8,500/ea. Drive \$12,500/ea
- 5 Drive 12.75" dia salvaged float piles. Assume 20' embedment (@\$7,500/ea)
- 6 12.75" dia x 0.5"t x 40' long, gal. = 2,700 lb (@\$1.50/lb), plus shoe, splice (@\$500/ea). Drive \$10,000/ea
- 7 Fabricated steel caps, framing, railing ~6,000 lb (@\$4.00/lb), FRP grating ~90 sf (@\$15/sf), Drill and epoxy 12 concrete anchors (@\$250/ea), Install frame and weld, finish work (@\$5,000)
- 8 Current estimates for fabricated aluminum gangways ~5,700 lb (@\$10/lb), FRP ~400 sf (@\$15/sf), Delivery and install (@\$5,000) [~\$170/sf TOTAL]
- 9 2" HDPE waterline with 42 connections and hose bibs, including 6 flex hose sections ~800 lft (@\$60/ft)
- 10 See Harborpower Engineers' cost estimate
- 11 **Excluded at this time.** Estimate each ladder (est ~20) @\$500, fire ext and life ring set (est ~6) @\$2,000/ea.