

Offer/Bid Form  
Specification No. 21-11427  
For  
Project Name: Marina Finger Dock Construction  
Bids will be opened on January 21, 2021 at 2:00 pm.

**TO THE CITY OF BERKELEY, CALIFORNIA:**

In submitting this bid (offer) as herein described, the bidder (offerer) agrees that (a) he/she, or they, have carefully examined the specifications, and all provisions relating to the items to be furnished attached herewith and made a part of this proposal, and understand(s) the meaning, intent and requirements of and agree to the same. (b) He/she, or they, agree(s), that if his/her or their bid is accepted, he/she, or they will enter into a written contract and furnish the item(s) and complete the work in the time specified, and in strict conformity with the City of Berkeley specifications therefore, for the prices bid.

Name of Firm or Person submitting this offer: \_\_\_\_\_

Street Address/City/State/Zip \_\_\_\_\_

Signed by (written signature) \_\_\_\_\_

Name and Title (type or print) \_\_\_\_\_

Date \_\_\_\_\_ **Federal Tax ID** \_\_\_\_\_

Phone \_\_\_\_\_ FAX \_\_\_\_\_

E-mail \_\_\_\_\_ Web site \_\_\_\_\_

Discounted Payment Terms: \_\_\_\_\_

Delivery Date: \_\_\_\_\_

*ALL BIDS MUST BE SIGNED*

**Please use following bid pricing forms for the base bid (Tasks 1-4) and bid alternates 1 & 2.**

**Bidders must have the appropriate A, B, or C license to perform this work, and all bidders and sub-contractors must be registered with the CA DIR at the time of bid opening.**

## **Bid & Project Schedule**

Bid Posted	12/9/2020
Pre-bid Meeting	12/18/2020
Questions due	12/22/2020
Answers posted	12/29/2020
<b>Bids due</b>	<b>1/21/2021</b>
Review and Award	1/30/2021
Project Timeline	2/1/2021 – 6/30/2021

**Pricing: Task 1 Purchase of Dock, Decking, Cleats/Hardware, and Rubrail**

The total base bid for Task 1 shall be the sum of each of the Pay Items listed below, and shall be inclusive of all other associated costs related to this work. **NOTE: Pay item units detailed in the Tabulation Form are estimates of current project scope and, as such, are estimates only. Actual quantities may change.** The undersigned bidder proposes and agrees that the work described above shall be provided at the unit and/or lump sum prices set forth in the tabulation form below

<u>Item No</u>	<u>Pay Item Description</u>	<u>Pay Unit</u>	<u># Units</u>	<u>Unit Price</u>	<u>Price Subtotal</u>
1A	4' X 10' Timber Dock Section	EA	1	\$	\$
1B	1½" X 6" TREX type composite decking material or approved equivalent for 1 section & Fasteners	LF	178	\$	\$
2A	4' X 13' Floating Dock Section	EA	4	\$	\$
2B	1½" X 6" TREX type composite decking material or approved equivalent for 4 sections & Fasteners	LF	462	\$	\$
3A	4' X 16' Floating Dock Section	EA	9	\$	\$
3B	1½" X 6" TREX type composite decking material or approved equivalent for 9 sections & Fasteners	LF	1278	\$	\$
4A	4' X 20' Floating Dock Section	EA	2	\$	\$
4B	1½" X 6" TREX type composite decking material or approved equivalent for 2 sections	LF	355	\$	\$
5	Henderson Marine 301-03-01D or approved equal rubrail/bumper strips & Fasteners	LF	444	\$	\$
6	2" x 10" Timber connecting waler & Fasteners	LF	444	\$	\$
7	10" PVC Corner bumper & Fasteners	EA	12	\$	\$
8	18" diameter 2 piece pile ring & Fasteners	EA	6	\$	\$
9	12" Henderson Marine 503H Cleat Standard "Bob or approved equal. Cleats W HD Galvanized Bolts, Nuts, Washers, & Backing Plates	EA	72	\$	\$
10	Delivery of Docks, Rub Rail, Hardware, & Decking to Berkeley Marina & Offloading	JOB	1	\$	\$
Task 1 Bid Subtotal: Items 1—9					\$

- EA = each; LS = lump sum; SF = square feet; LF = lineal feet

<u>Item</u>	<u>Estimated Description*</u>	<u>Pay Unit</u>	<u># Units</u>	<u>Unit Price</u>	<u>Total Cost</u>
1	45' Sectional or single piece timber finger with composite decking, 6 cleats, 78' rubrail, 2x corner fenders, 18" pile ring and all associated fasteners	EA	4	\$	\$

2	50' Sectional or single piece timber finger with composite decking, 6 cleats, 88' rubrail, 2x corner fenders, 18" pile ring and all associated fasteners	LS	1	\$	\$
3	16' Sectional or single piece timber finger with composite decking, 4 cleats, 32' rubrail, 2x corner fenders, 18" pile ring and all associated fasteners	LS	1	\$	\$
Task 1 Bid Subtotal: Items 1 – 3					\$

**Pricing: Task 2 Delivery & Offloading of Dock, Decking, Cleats/Hardware, and Rubrail**

The total base bid for Task 2 shall be for the cost of delivery and offloading of the fabricated dock sections, TREX decking, cleats & associated hardware, and rub rail to the project site. The dock sections shall be offloaded into the water at the Berkeley Marina Public Boat Launch, and the other materials shall be offloaded on site at a location to be determined. The undersigned bidder proposes and agrees that the work described above shall be provided at the unit and/or lump sum prices set forth in the tabulation form below:

<u>Item No.</u>	<u>Pay Item Description</u>	<u>Pay Unit</u>	<u># Units</u>	<u>Unit Price</u>	<u>Price Subtotal</u>
1	Delivery of Docks, Rub Rail, Hardware, & Decking to Berkeley Marina & Offloading	JOB	1	\$	\$
Task 2 Bid Subtotal: Item 1					\$

**Pricing: Tasks 3/4 Demolition, Disposal, and Installation of Finger Docks**

The total base bid for Tasks3/4 shall be for the cost of crew/equipment mobilization, removal, disposal, and installation of designated finger docks in the Berkeley Marina. Slips will be vacant on at least one side of each finger requiring work. Hose bibs will be removed with water lines capped and dockboxes with electrical receptacles will be removed:

<u>Item No.</u>	<u>Estimated Description*</u>	<u>Pay Unit</u>	<u># Units</u>	<u>Unit Price</u>	<u>Total Cost</u>
1	Mobilization	LS	1	\$_____	\$_____
2	Demo & Dispose Existing, and Install Replacement Finger Dock: Slip K-127/129	LS	1	\$_____	\$_____
3	Demo & Dispose Existing, and Install Replacement Finger Dock:: Slip L-102	LS	1	\$_____	\$_____
4	Demo & Dispose Existing, and Install Replacement Finger Dock: Slip L-104/106	LS	1	\$_____	\$_____
5	Demo & Dispose Existing, and Install Replacement Finger Dock: Slip L-116-118	LS	1	\$_____	\$_____
6	Demo & Dispose Existing, and Install Replacement Finger Dock: Slip L-299	LS	1	\$_____	\$_____
7	Demo & Dispose Existing, and Install Replacement Finger Dock: Slip N-103/104	LS	1	\$_____	\$_____
	Tasks 3/4 Bid Subtotal: Item 1 - 7				\$_____
	<b>TOTAL BID FOR BASE BID: (TASK 1 + TASK 2 + TASK 3 + TASK 4)</b>				

**TOTAL COST OF BASE BID IN WORDS AND FIGURES:**

\_\_\_\_\_ (written)  
 \_\_\_\_\_ Dollars and \_\_\_\_\_ Cents (figures)

## **Bid Alternate Task 1: Finger Dock Fabrication**

This requirement is for the supply of all labor, materials, and equipment required for the fabrication of concrete finger docks. Bidder shall provide pricing for three different dock sizes:

1. Dock float section approximately 4' wide by 16' long;
2. Dock float section approximately 4' wide by 45' long;
3. Dock float section approximately 4' wide by 50' long;

Finger docks, hardware, and fasteners shall meet or exceed the following specifications:

- **Construction:** Finger docks shall be constructed of concrete encased floatation with a textured surface for traction, through rod's and timber walers. Concrete shall be designed for permeability, strength, chemical stability and abrasion resistance, appropriate for its application. Minimum compressive strength for concrete, subject to salt water splash, immersion and/or brackish water is 5,000 psi and a 0.4 water-to-cement ratio. Portland cement shall conform to ASTM C 150 Type I or Type II modified, and low alkali. Chemical admixtures shall conform to ASTM C 494. Chemicals designed to limit corrosion of internal reinforcing may be used. Air entrainment admixtures shall conform to ASTM C 260. Coarse and fine aggregate shall conform to ASTM C 33, and ASTM C 330 where lightweight aggregates are used. Lightweight aggregate, if used, shall consist of expanded and coated shale or equivalent material of sufficient strength and durability to provide concrete of the required strength. Concrete structures shall be designed to provide sufficient coverage of reinforcing steel, so as to prevent corrosion, per code requirements. For structures exposed to salt water splash or immersion, bar reinforcement shall conform to ASTM A 706, and shall be epoxy coated per ASTM A 934, after bending of the 19 bars. Welded wire mesh shall conform to ASTM A 185 and shall be epoxy coated conforming to ASTM A 884, with all visible defects and cut ends repair coated. Wires used to tie reinforcing steel shall be either epoxy-coated steel, or 316 stainless steel.
- **Internal/External Steel Components:** All hardware, bolts, fasteners, nuts, and washers shall be hot dipped galvanized ASTM-A-36 grade steel; cleats shall be malleable iron through bolted using HD galvanized steel hardware and backing plates;
- **Pile Rings:** Shall be Henderson Marine Breakaway 06-29 or approved equal, manufactured from 1 ½" Schedule 40 pipe and structural steel plate, ¼" thick. The ring shall be attachable to mounting pegs with 5/16" bolts (two per peg). Plate mounting holes are for ½" carriage bolts. All are hot dipped galvanized after fabrication.
- **Frame and Walers :** Framing and connecting walers and associated timber shall be pressure treated Southern Yellow Pine or Coast Region Douglas Fir with a minimum 2" X 10" dimension.
- **Cleats and Rub Rail:** Cleats shall be Henderson Marine 503H Cleat Standard "Bob" 12" or approved equal. Cast ductile iron – hot dipped galvanized and shall include HD galvanized hardware and backing plates. Rub rail shall be 90° flexible PVC two chamber Henderson Marine 301 03-01D or approved equal;
- **Design Loads:** Floatation shall be designed to support dead load plus live load up to 50 psf, and match to existing 14" freeboard of remaining finger docks; The dock surface of the finger floats under various loading conditions, shall be level within the following tolerances:  
Under Dead Load Only, & Under Dead and Live Loads: ¼" per foot, 1" maximum (transverse) 1/8" per foot, 1" in 10 feet maximum (longitudinal)  
Under Dead and Point Live Loads: ½" per foot (4%), 2" maximum (transverse) ¼" per foot, 2" in 10 feet maximum (longitudinal)
- **Dimensions:** Replacement finger dock width shall match when possible to existing width

**Bid Alternate No. 1.**

<u>Item</u>	<u>Estimated Description*</u>	<u>Pay Unit</u>	<u># Units</u>	<u>Unit Price</u>	<u>Total Cost</u>
1	45' Concrete finger with through rod construction, 6 cleats, 78' rubrail, 2x corner fenders, 18" pile ring (in place of Timber docks in Task 1)	EA	4	\$_____	\$_____
2	50' Concrete finger with through rod construction, 6 cleats, 88' rubrail, 2x corner fenders, 18" pile ring (in place of Timber docks in Task 1)	LS	1	\$_____	\$_____
3	16' Concrete finger with through rod construction, 4 cleats, 32' rubrail, 2x corner fenders, 18" pile ring (in place of Timber docks in Task 1)	LS	1	\$_____	\$_____
4	Delivery of Docks to Berkeley Marina & Offloading (in place of Timber docks in Task 1)	LS	1	\$_____	\$_____
	Total of Bid Alternate 1				\$

## **Bid Alternate 2: Finger Dock Capping**

This requirement is for the supply of all labor, materials, and equipment required for the capping of concrete finger docks.

Bidder shall provide labor for four different dock sizes:

1. Dock float section approximately 4' wide by 35' long;
2. Dock float section approximately 4' wide by 40' long;
3. Dock float section approximately 4' wide by 50' long;

Contractor shall remove existing cleats, rubrail and corner bumpers from finger docks. Contractor will install waler's over existing using structural screws. Contractor will cut and install decking on full length of finger dock over existing and new walers along length of finger dock. Decking will be modified to allow a slope to match main walkway height. Contractor will install rubrail, cleats, and corner bumpers on new decking.

Timber, hardware, and fasteners shall meet or exceed the following specifications:

- **Internal/External Steel Components:** All hardware, bolts, fasteners, nuts, and washers shall be hot dipped galvanized ASTM-A-36 grade steel; cleats shall be malleable iron through bolted using HD galvanized steel hardware and backing plates;
- **Frame, Walers and Decking:** Connecting walers and associated timber shall be pressure treated Southern Yellow Pine or Coast Region Douglas Fir with a minimum 2" X 10" dimension. The framing will be twelve inch on center (12"o.c.) to accommodate decking material that will be made of 1 1/2" X 6" TREX type composite decking material or approved equivalent;
- **Cleats and Rub Rail:** Cleats shall be Henderson Marine 503H Cleat Standard "Bob" 12" or approved equal. Cast ductile iron – hot dipped galvanized and shall include HD galvanized hardware and backing plates. Rub rail shall be 90° flexible PVC two chamber Henderson Marine 301 03-01D or approved equal;



**Bid Alternate No. 2**

<u>Item</u>	<u>Estimated Description*</u>	<u>Pay Unit</u>	<u># Units</u>	<u>Unit Price</u>	<u>Total Cost</u>
1	1 ½" X 6" TREX type composite decking material or approved equivalent for 50' finger dock & Fasteners	EA	4	\$_____	\$_____
2	1 ½" X 6" TREX type composite decking material or approved equivalent for 40' finger dock & Fasteners	LS	5	\$_____	\$_____
3	1 ½" X 6" TREX type composite decking material or approved equivalent for 35' finger dock & Fasteners	LS	12	\$_____	\$_____
5	Henderson Marine 301 03-01D or approved equal rubrail/bumper strips & Fasteners	LF	1388	\$	\$
6	2" x 10" Timber connecting waler & Fasteners	LF	1388	\$	\$
7	10" PVC Corner bumper & Fasteners & Fasteners	EA	42	\$	\$
8	Furnish all labor, tools, equipment to cover finger docks with composite decking, walers, rubrail, corner bumpers. Remove and replace cleats already on dock.	EA	21	\$	\$
	Total for Bid Alternate 2				\$