

CITY OF SANTA BARBARA WATERFRONT DEPARTMENT

MEMORANDUM

Date: April 18, 2019
To: Harbor Commission
From: Scott Riedman, Waterfront Director
Subject: **Facilities Management Report**

MARINA 4 REDECKING PROJECT

Waterfront maintenance staff has incrementally replaced finger docks in Marinas 2 and 4 over the past 11 years. These wooden docks require more frequent replacement than concrete docks in Marina 1, which can last up to 40 years. Worn wooden docks, however, splinter and lose their structural integrity after 10 to 20 years. Marina 2 finger docks were replaced between 2008 and 2015. Replacement of Marina 4 finger docks began in 2016.

There are 58 individual finger docks in Marina 4 ranging in size from 28' to 51', excluding endties. Each finger dock replacement includes new plastic floats, new under-framing with wood deck boards, plus rub rail and corner bumpers. Each dock is built in our maintenance yard, trailered to the launch ramp and floated into place. The process lasts about two working days, minimizing displacement of slip permittees boats to temporary locations. To date, 21 finger docks have been replaced with eight more scheduled for this fiscal year.

All of the endties in Marinas 2, 3, and 4 have been replaced in conjunction with the finger dock replacement projects. Finger docks are typically 4' wide and no adjustments are made to width or length. Endties, however, must be at least 6' wide to meet marina design guidelines although they were all originally built only 4' wide. Staff recently replaced Marina 3A endtie, the last slip of this type requiring an increase in the width.

Replacing 10 finger docks per year is one of the Facilities Division's P3 performance objectives. The unit cost of approximately \$35/sq. ft. compares favorably with similar work previously contracted out at close to \$100/sq. ft. and the Marina One Replacement Project which was approximately \$180/sq. ft. for concrete docks. It will take three more years to complete Marina 4 and then staff will begin replacing finger docks on Marina 3. This project is funded through the Waterfront's Marina Renovations Project included in the Capital Improvement Program at \$250,000 per year.

Prepared by: Karl Treiberg, Waterfront Facilities Manager