

CITY OF SANTA BARBARA WATERFRONT DEPARTMENT

MEMORANDUM

Date: February 20, 2014
To: Harbor Commission
From: Scott Riedman, Waterfront Director
Subject: Facilities Management Report

Federal Channel Dredging

The Corps of Engineers (Corps) and AIS Construction, Inc. (AIS) negotiated a new bid and contract on February 6. A Notice to Proceed will be issued on February 14 allowing AIS to begin mobilization for the spring dredging cycle. Since this is the beginning of a new three-year dredging contract, AIS must remobilize for the entire operation. Mobilization includes fencing a new maintenance yard on West Beach, setting up the floating and submerged discharge pipe across the Federal Channel, and placing the dredge pipe on East Beach to the discharge location. Typically the discharge is located opposite the Cabrillo Ball Fields but has been moved upcoast to the vicinity of Calle Cesar Chavez to minimize the time necessary for mobilization and provide beach nourishment for this section of East Beach that is relatively narrow.

The Corps dredging contract has a 70-day time limit to complete the work. The contracted volume of sediment is 180,000 c.y., more than a typical cycle but significantly less than the annual average of approximately 300,000 c.y. This winter's mild conditions doesn't appear to have moved much sand off the sandspit into the Federal Channel but there are adequate funds to dredge more than 180,000 c.y. if late winter storms develop with a corresponding increase in sedimentation of the Federal Channel. All dredging should be complete by the end of April.

Stearns Wharf Heavy Timber and Pile Replacement

Annual inspections of Stearns Wharf are complete with staff having identified necessary structural upgrades. This year's scope of work for the annual pile driving contract includes installation of 46 piles, 270' of pile caps, stringers, deck boards, and removal of 20 piles. The identified work significantly exceeds a typical pile driving contract due primarily to the lack of any pile driving in FY 2013. The majority of the work will occur at the seaward finger where the pile density is greater than the remainder of the wharf. This area bears the brunt of large winter swells and has been reinforced over the years with extra bents and piles. Piles located in the roadway are typically driven at night allowing the wharf to remain open during business hours.

The pile driving contract costs include mostly labor with all material provided by the Waterfront. The majority of the heavy timber inventory was procured the last two fiscal years spreading out the cost of the material. Based on the last construction contract,

the cost estimate for the proposed work is approximately \$190,000. Construction is tentatively scheduled to begin in mid-March allowing the contractor to include additional work as necessary due to winter storms. Additional upgrades to the Stearns Wharf structure that will occur in the spring include installation of fiberglass jackets on some of the piles under the Harbor Restaurant where driving new piles is infeasible. All work on the Stearns Wharf structure is included in the Capital Improvement Program for \$350,000.

Prepared by: Karl Treiberg, Waterfront Facilities Manager