

CITY OF SANTA BARBARA WATERFRONT DEPARTMENT

MEMORANDUM

Date: May 15, 2014
To: Harbor Commission
From: Scott Riedman, Waterfront Director
Subject: **Facilities Management Report**

STEARNS WHARF ANNUAL PILE DRIVING

Annual pile driving and heavy timber replacement was recently completed on Stearns Wharf. Cushman Contracting Corporation replaced 50 piles, several hundred feet of pile cap, various stringers, and deck boards which was the largest annual project since 2005. The majority of the work occurred at the seaward finger and roadway. Several change orders were required to replace rotting timbers discovered during otherwise planned construction. Staff removed over 56 rotten piles and pile stubs increasing the cost of disposal significantly since the creosote treated piles must be disposed of as hazardous material. The overall project including labor, materials, and hazardous material disposal was slightly over the available Capital Improvement Program budget of \$400,000. This annual project continues to make the structural improvements necessary to maintain the Waterfront's most vulnerable and valuable facility.

FEDERAL CHANNEL DREDGING

The Corps of Engineers contractor, AIS Construction, completed spring cycle dredging on April 16. AIS removed over 250,000 c.y. of sand, the most material removed from the Federal Channel in recent memory. With the harbor closed for the first time in decades and an unfortunate break down that delayed the start of dredging, AIS worked diligently to establish a navigable channel in just two days. They dredged continuously for 32 days at an average of almost 8,000 c.y. per day. This was the most productive cycle with the highest daily production for many years.

The dredge discharge was located on East Beach near the intersection of Cabrillo Boulevard and Calle Cesar Chavez. This section of the beach was the most severely eroded of Santa Barbara's beaches during the large swell of March 1st exposing an old timber pile wall, rip-rap, and other coastal armoring that hadn't been seen for decades. The unusually high volume of dredged material rapidly covered these features and restored East Beach for the benefit of coastal recreation. AIS removed the dredge yard, buried the pipe, and secured the dredge inside the sandspit until dredging resumes in the fall. The Corps and AIS have entered into a 3-year contract and there is adequate funding to proceed with fall cycle dredging in November.

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