

# CITY OF SANTA BARBARA WATERFRONT DEPARTMENT

## MEMORANDUM

**Date:** April 16, 2009  
**To:** Harbor Commission  
**From:** John N. Bridley, Waterfront Director  
**Subject:** **Facilities Management Report**

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### **Breakwater Cap Repair Project – Phase 3**

Construction started on March 2 and Lash Construction, Inc. has made good progress to date. Eighteen panels at the easterly end of the breakwater have been demolished exposing the original walkway constructed in the 1950s. The original slab was in relatively good condition requiring minimal preparation prior to pouring the new walkway and parapet wall. Concrete forms are being installed at alternating panels beginning at the east end of the breakwater and should be completed by the end of April. Once the walkway is complete, the parapet wall will be formed and poured during the month of May.

The new walkway is approximately 5" higher than the old slab and the Lost at Sea Memorial will require modification. The southerly 7' of the Memorial slab adjacent to the Breakwater Cap will be demolished and reconstructed to match the elevation of the new walkway. The portion of the Memorial to be reconstructed will slope down to the existing slab consistent with building code requirements for accessibility. The reconstructed section will have the same finish as the original Memorial. All work is tentatively scheduled to be completed in June.

### **Harbor Dredging**

Spring cycle dredging began March 28 after a three week delay. A young gray whale entered the harbor several days before dredging was scheduled to begin. Waterfront staff consulted with the National Marine Fisheries Service (NMFS), the Corps of Engineers, and California Department of Fish & Game to determine if dredging should be delayed while the whale was in the harbor. Based on similar situations along the California coast, NMFS biologists suggested dredging be suspended temporarily allowing the whale to forage in the harbor with past experience suggesting the whale would move on shortly. Fortunately, there were very few large swells this winter and corresponding deposition of sand in the Federal Channel with little risk to navigation as a result of the delay.

Pre-dedge surveys indicate less than 105,000 c.m. of sand in the Federal Channel compared to over 120,000 c.m. typically available for dredging. AIS Construction Company has made good progress to date and should complete dredging by the third week of April. Congress appropriated adequate funding to complete dredging this fiscal year but a minor change in the contract documents may delay fall 2009 dredging. Staff

is working with the Corps to ensure as much material as possible is removed this spring to maintain safe navigation throughout the summer and early fall.

### **Marina 2 Redecking Project**

Facilities staff has made very good progress on the Marina 2 Redecking Project. Nine 45' fingers have been replaced and all ten 35' fingers will be completed by the end of April. Several new concrete floats were ordered to allow construction of each finger in the maintenance yard prior to removing the old finger. The fingers are launched and retrieved with the innovative trailer designed and constructed by facilities staff to obviate the need to hire a crane. Standard drawings have been prepared for each dock length and labor and material costs are being tracked. As staff becomes more efficient, the cost per sq. ft. to replace a dock has decreased dramatically and appears very efficient compared to cost estimates for similar work. Staff will attempt to replace all 34 of the 25' slips in FY2010 with the remaining 20' slips scheduled for replacement in FY2011.

Prepared by: Karl Treiberg, Waterfront Facilities Manager