MINUTE ITEM
This Calendar Item No. C54 was approved as Minute Item No. 54 by the California State Lands Commission by a vote of 3 to Ø at its 4-9-02 meeting.

CALENDAR ITEM
C54

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Statewide

04/09/02
Bid Log 2001-16
W9777.225,
R14701, C2001-087

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REQUEST AUTHORITY FOR EXECUTIVE OFFICER TO EXECUTE AGREEMENT WITH THE UNIVERSITY OF CALIFORNIA, SAN DIEGO FOR SEISMIC LOAD ANALYSIS TESTING OF A PIER IN THE PORT OF LONG BEACH

PARTY:

California State Lands Commission
100 Howe Avenue, Suite 100 South
Sacramento, CA 95825-8202

BACKGROUND:

The Lempert-Keene-Seastrand Oil Spill Prevention and Response Act of 1990 (the Act) requires the State Lands Commission (SLC) to

> *"...adopt rules, regulations, guidelines and commission leasing policies for reviewing the location, type, character, performance standards, size and operation of all existing and proposed marine terminals within the state... "* (Public Resources Code (PRC) Section 8755 (a)) and to *"...periodically review and accordingly modify its rules, regulations, guidelines and commission leasing policies to ensure that all operators of marine terminals within the state and marine facilities under the commission's jurisdiction always provide the best achievable protection of the public health and safety, and the environment..."* (PRC Section 8756).

To meet this mandate, the Commission's Marine Facilities Division determined that definitive engineering standards for marine oil terminals were necessary. Staff subsequently started the Marine Oil Terminal Engineering Regulations Project to develop these standards. The goal was to develop Marine Oil Terminal Engineering and Maintenance Standards (MOTEMS) to mitigate the risk of damage and potential oil spills from earthquakes or mooring/berthing incidents.

The project was funded from two sources; the Hazard Mitigation Grant Program (HMGP) of the Governor's Office of Emergency Services (OES) with monies from the Federal Emergency Management Agency (FEMA), and the SLC itself. Currently industry, academia and port engineers are reviewing the draft standards, and when complete, the State rulemaking process will begin. We anticipate the standards becoming regulation by late 2003.

In addition, there are two collateral projects that provide valuable input to the standards. These projects include the determination of offshore seismic and tsunami hazards for the tri-county areas of Southern California. These projects are also funded by the FEMA/OES. They are being performed by the Civil Engineering Department at the University of Southern California, and its subcontractor, Lawrence Livermore National Laboratory. When completed, these results will be incorporated into the standards.

PROPOSED ACTIVITY:

The proposed project involves the instrumentation, testing and documentation of static and dynamic loading applied to a section of a concrete wharf that is scheduled for demolition. The wharf is part of a demolition and rebuild project of the Port of Long Beach, who has allowed us a window of opportunity to conduct such testing during a short break in their demolition activities. The Port of Long Beach will cut the section of the wharf to be tested, while leaving the remaining wharf as a stationary reaction point. This particular situation creates a very unique opportunity to test the behavior of a group of concrete piles in a deep silt soil condition. The proposed testing program will evaluate the performance of the pile group, subject to static, ambient and forced vibration types of loading. The U.S. Navy will perform a separate test on the same pile group, using an entirely different type of loading device and instrumentation. The two sets of results will be compared. The results of these tests will provide displacement (or strain) values that will be compared to the values in our engineering standards, MOTEMS. This test program will either validate or cause changes to be made to our proposed regulations, with the goal of obtaining the "best achievable protection".

The testing will be conducted as a joint exercise between the U.S. Navy, University of California, San Diego and the Commission. A proposal titled "SEISMIC PERFORMANCE OF PORT FACILITIES: FULL SCALE TESTING AT PORT OF LONG BEACH" on file with the Commission at a cost of $75,000. The Port of Los Angeles will be contributing financial support in the form of a $50,000 grant to the Commission for this purpose with the remaining $25,000 funding by the Commission. The Port of Long Beach will be contributing in-kind services by preparing the pier for testing.

STATUTORY AND OTHER REFERENCES:

A. Public Resources Code Section 6106 (Delegation to execute written instruments)
B. Government Code Section §11256 Interagency Agreements
C. State Administrative Manual Section 1200
D. State Contracting Manual (rev 9/01)

IT IS RECOMMENDED THAT THE COMMISSION:

1. FIND THAT THESE ACTIVITIES ARE EXEMPT FROM THE REQUIREMENTS OF CEQA PURSUANT TO 14 CAL CODE REGS. 15061 BECAUSE THESE ACTIVITIES ARE NOT PROJECTS AS DEFINED BY PUBLIC RESOURCES CODE SECTION 21065 AND 14 CAL CODE REGS. 15378.

2. AUTHORIZE THE EXECUTIVE OFFICER OR HIS DESIGNEE TO EXECUTE AGREEMENT WITH THE UNIVERSITY OF CALIFORNIA, SAN DIEGO TO PERFORM TESTING AS SPECIFIED IN PROJECT PROPOSAL TITLED "SEISMIC PERFORMANCE OF PORT FACILITIES: FULL SCALE TESTING AT PORT OF LONG BEACH" IN ACCORDANCE WITH STATE POLICIES AND PROCEDURES IN THE AMOUNT OF $75,000.

3. AUTHORIZE THE EXECUTIVE OFFICER OR HIS DESIGNEE TO ENTER INTO AN AGREEMENT WITH PORT OF LOS ANGELES TO ACCEPT $50,000 IN CONSIDERATION OF THIS PROJECT.