



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: December 18, 2007

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Increase To Change Order Authority For Reservoir No. 1 Structural Repair And Groundwater Control Project

RECOMMENDATION:

That Council increase the Public Works Director's authority to approve expenditures from \$78,700 to \$178,700 to cover anticipated cost increases from extra work for construction of the Reservoir No. 1 Structural Repair and Groundwater Control Project, Contract No. 22,467.

DISCUSSION:

PROJECT DESCRIPTION

Reservoir No. 1 is located at the end of Cedar Lane, on the east side of the City off Alameda Padre Serra (See Attached Location Map). The work for Reservoir No. 1 consists of removal and replacement of a damaged concrete liner, construction of a groundwater relief system underneath the new liner, and repairs to two damaged roof supports. Other needed improvements include a newly aligned reservoir drain line, replacement of the valve structure enclosure, and installation of a new flow meter to the reservoir inlet line.

Reservoir No. 1 was originally constructed in 1897, and has been out of service since early 2005, when the concrete liner was damaged by groundwater that welled up under the reservoir. This project will repair the liner so the reservoir can be returned to active service.

CURRENT STATUS

Construction of this project began on August 27, 2007. Construction activities have uncovered several issues related to the age of the reservoir. Upon exposing the foundation of the valve building during this current construction, the foundation was

REVIEWED BY: _____ Finance _____ Attorney

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found to be in unsuitable condition for supporting the projects new structure, and therefore needs to be demolished and reconstructed. Changes include repair of two roof supports, which recently began to show fatigue. The reservoir inlet piping was found to be in poorer condition than expected and requires replacement. After demolishing the damaged reservoir liner, a large void space was discovered in the soil behind the reservoir liner, which requires additional excavation and construction work. Moreover, it has been deemed necessary to replace some additional reservoir panels.

These items have increased the cost of the project by an estimated \$139,830. This, combined with a proposed allowance of \$38,870 for any additional unforeseen work through the completion of the project, brings the total change order authority to \$178,700. Since \$78,700 has already been authorized, another \$100,000 is being requested.

At the time this report was prepared, this project was approximately 40 percent complete.

FUNDING SUMMARY

The following chart summarizes the construction contract authorizations:

CONSTRUCTION CONTRACT FUNDING SUMMARY

	Basic Contract	Change Funds	Total
Initial Authorization	\$787,000	\$78,700	\$865,700
Additional Authorization		\$100,000	\$100,000
Final Actual Expenditure	\$787,000	\$178,700	\$965,700

There are sufficient funds in Fiscal Year 2007 Water Capital Fund to cover the recommended increase in change orders.

ATTACHMENT(S): Location Map

PREPARED BY: Joshua Haggmark, Principal Civil Engineer/PPM/sk

SUBMITTED BY: Paul Casey, Public Works Director

APPROVED BY: City Administrator's Office

