

REPORT

To the Honorable Mayor and City Council
From the City Manager

April 24, 2006

Subject

Amendment No. 2 to the Consultant Agreement with TY Lin International/CCS relating to the Redwood Shores Levee Segment III Project

Recommendation

Approve Amendment No. 2 to the agreement with TY Lin International/CCS, of San Ramon, California for providing additional consultant design and engineering services for the Redwood Shores Levee Segment III Improvements Project, in an amount not to exceed \$117,433.

Background

This is the last segment of levee to be built under the Environmental Agencies' Permits that the City received in 1996, and will be built within South Bayside System Authority's (SBSA's) property. The improved levee will protect the SBSA facility, along with other improvements in the vicinity.

An attempt was made to design and build this segment of the levee in 2002, but the challenges proved too much to overcome. The environmental sensitivity of this segment of the levee dictates that the alignment of the levee has to be moved inboard, onto unimproved areas of SBSA. This area is underlain by more than 70 feet of Bay Mud, making it an unstable substrate to build upon. The situation is further complicated by the fact that the levee has to cross SBSA's leaking and fragile effluent pipes.

Two factors mitigated the challenges this year:

1. The fact that an egret rookery located at the project site was abandoned by the birds for other sites, allows an alternative alignment which is much more favorable in terms of soil conditions, and
2. Last Year, SBSA undertook a multi-million dollar repair project for their effluent pipes. While this repair was taken place, staff worked with SBSA and prepared a crossing of this pipe for the levee. Now that these challenges have been overcome, the levee can now be designed and built.

Unfortunately the efforts put forth by the consultant in the previous design cannot be recovered. The new alignment forces a redesign of the project, necessitating this Amendment. Also included in this Amendment are improvements of other small levee segments in the levee system. These improvements will only involve topping of the existing levee without any widening of the foot print.

The title of the land underlying this levee is vested in SBSA. The consultant will also draft the legal description of this new levee, and SBSA will have to grant an easement to Redwood City to construct and maintain this new levee.

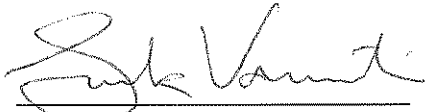
A complete copy of the Amendment is available for review in the City Clerk's office.

Alternative

Delay the project, and take no action for now.

Fiscal Impact

Funds in the amount of \$651,079.00 are allocated in the 2005-2006 Capital Improvement Program budget under the GID 1-64 Fund, to design and construct this project



Peter Vorametsanti, P.E.
Senior Civil Engineer



Chu Chang, P.E.
Manager, Engineering & Construction



Joel Patterson
Community Development
Services Director



Ed Everett
City Manager

JP/SPV:ss

S:/library/reports/peter_consultant Levee Seg III (CCS)