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Memorandum

TO: BATA Oversight Committee

DATE: April 7, 2010

FR: Executive Director

W. I. 1256

RE: Contract Amendment– Dumbarton Bridge Seismic Analyses: Earth Mechanics

Staff is proposing that the Committee authorize the Executive Director to enter into a contract amendment with Earth Mechanics, Inc. to support the ongoing seismic retrofit project for the Dumbarton Bridge.

BATA has a current contract with Earth Mechanics, Inc., to provide continued support to the Caltrans seismic retrofit design teams for geotechnical investigation and seismic analysis for both the Antioch and Dumbarton Bridges. Earth Mechanics, Inc. has performed exceptionally well pursuant to the contract. The current contract expires at the end of September 2010.

Based on the work provided by Earth Mechanics, Caltrans' designers have completed Plans, Specifications, and Estimates (PS&E) for each bridge project. The Antioch project has recently opened bids and the Dumbarton project is currently being advertised for construction. Earth Mechanics is assisting Caltrans with some final seismic analyses and performance modeling for the Dumbarton Bridge. Therefore, staff is recommending the addition of \$120,000 to the contract to complete the required work.

The current schedule for the retrofit work is as follows:

Milestone	Projected/Actual Completion Date
Prototype Bearing Design, Manufacture & Testing	Mar-10
Award Antioch Construction Contract	Apr-10
Award Dumbarton Construction Contract	Aug-10
Complete Antioch Construction Contract	2011
Complete Dumbarton Construction Contract	2013

Recommendation

Staff recommends that the Committee authorize the Executive Director or his designee to negotiate and enter into a contract amendment with Earth Mechanics Inc. for completion of seismic analyses in an amount not to exceed \$120,000.

Steve Heminger

SH: jw

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REQUEST FOR COMMITTEE APPROVAL
Summary of Proposed Contract Amendment

Work Item No.: 1251

Vendor: Earth Mechanics, Inc.
Oakland, CA

Work Project Title: Antioch/Dumbarton Geotechnical Investigation and Seismic Analysis

Purpose of Project: To conduct for BATA the geological and geotechnical explorations, laboratory testing, geotechnical and earthquake engineering analyses, as well as the preparation of geotechnical site characterization, seismic ground motion and foundation recommendation reports for the Dumbarton and Antioch Bridges, in the San Francisco Bay Area.

Brief Scope of Work: Complete seismic analyses with specific pier performance modeling

Project Cost Not to Exceed: Amendment - \$120,000;
(Total Contract prior to amendment - \$9,300,000)

Funding Source: Toll Bridge Seismic Retrofit Program Funds

Fiscal Impact: Project costs will be consistent with funds programmed and budgeted.

Motion by Committee: That the Executive Director or his designee is authorized to negotiate and enter into a contract amendment in the amount of \$120,000 with Earth Mechanics, Inc. to complete seismic analyses for the Dumbarton toll bridge, and, as budgeted, the Chief Financial Officer is directed to set aside funds for such contract amendment.

BATA Oversight Committee:

Bill Dodd

Approved: Date: April 14, 2010