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Memorandum

TO: BATA Oversight Committee

DATE: September 2, 2009

FR: Executive Director

W. I. 1252

RE: Contract Amendment– Dumbarton and Antioch 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 projects for the Antioch and Dumbarton Bridges.

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 2009.

Based on the work provided by Earth Mechanics, Caltrans' designers have developed retrofit strategies for both bridges and are nearing completion on Plans, Specifications, and Estimates (PS&E) for each bridge project. Over the past year, Caltrans has worked to obtain environmental permits on both bridges. While many hurdles have been cleared, there are still challenges to obtaining all the required environmental regulatory permits, so as not to delay these projects from entering the construction phase. Earth Mechanics is assisting Caltrans with the analyses to complete work required for the environmental clearances. Therefore, staff is recommending an extension of the Earth Mechanics contract to September 2010 and to add \$800,000 to the contract to complete the required work.

The current schedule for the retrofit work is as follows:

Milestone	Projected Completion Date
100% Plans, Specifications and Estimate	Aug-09
Award Antioch Construction Contract	Apr-10
Award Dumbarton Construction Contract	Aug-10
Prototype Bearing Design, Manufacture & Testing	Apr-10
Complete Antioch Construction Contract	2012
Complete Dumbarton Construction Contract	2013

BATA and Caltrans staff are providing regular updates on the progress of the seismic for the Dumbarton and Antioch Bridges to the Toll Bridge Program Oversight Committee (TBPOC).

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 geotechnical investigation and seismic analyses in an amount not to exceed \$800,000.

Steve Heminger

SH: jw

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:

- Seismic hazard analyses;
- Ground motion development;
- Foundation design recommendations;
- Preparation of Log of Test Boring (LOTB) sheets;
- Preparation of reports; and
- Participation in meetings.

Project Cost Not to Exceed: Amendment - \$800,000;
(Total Contract prior to amendment - \$8,500,000)

Funding Source: Toll Bridge Rehabilitation 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 \$800,000 with Earth Mechanics, Inc. to provide geotechnical and seismic analysis for the Antioch and Dumbarton toll bridges, and, as budgeted, the Chief Financial Officer is directed to set aside funds for such contract amendment.

BATA Oversight Committee:

Bill Dodd, Chair

Approved: Date: September 9, 2009