



Joseph P. Bort MetroCenter
 101 Eighth Street
 Oakland, CA 94607-4700
 TEL 510.817.5700
 TDD/TTY 510.817.5769
 FAX 510.817.7848
 E-MAIL info@mtc.ca.gov
 WEB www.mtc.ca.gov

Memorandum

TO: BATA Oversight Committee

DATE: September 3, 2008

FR: Executive Director

RE: Contract Amendments – Dumbarton and Antioch Bridge Seismic Analyses:
 a. Geotechnical Investigation: Earth Mechanics, Inc. (\$1,500,000)
 b. Biological assessment. CH2M Hill (\$450,000)

Staff is proposing that the Committee authorize the Executive Director to enter into two contract amendments to support the ongoing seismic evaluations of the Antioch and Dumbarton Bridges, as follows:

1. In September 2006, the BATA Oversight Committee authorized the Executive Director to enter into contract with Earth Mechanics, Inc., to provide BATA with a geotechnical investigation and seismic analysis for both the Antioch and Dumbarton Bridges. Based on the work to be completed by Earth Mechanics for the project, the Executive Director executed a contract with Earth Mechanics, Inc. for a period of 2 years and for an amount not to exceed \$7,000,000. Earth Mechanics, Inc. has performed exceptionally well under this contract. Staff is proposing to extend Earth Mechanics' contract for a period of 1 year and for an amount not to exceed \$1,500,000 to provide continued support to the Caltrans seismic retrofit design teams.
2. In January 2007, the BATA Oversight Committee authorized the Executive Director to enter into contracts with a total of 7 firms to provide on-call construction management and project design services. Staff is proposing use the on-call contract with CH2M Hill to provide a biological assessment for the Antioch Bridge and cost estimation work for both the Dumbarton and Antioch bridges, at a total amendment cost not to exceed \$450,000. The assistance to be provided by CH2MHill will allow Caltrans to maintain the accelerated delivery schedule for the seismic analyses of the two bridges.

Caltrans' designers continue to conduct structural analyses and are on target to complete the development of retrofit strategies for both bridges by September 2008. Both BATA and Caltrans staff have provided updates on the progress of the seismic evaluations 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 contract amendments with Earth Mechanics Inc. and on-call consultant firm CH2H Hill for the purposes described above in the not to exceed amounts listed below:

- a. Earth Mechanics Inc, Geotechnical Contract: (\$1,500,000)
- b. Dumbarton and Antioch Project Design Services: CH2M Hill (\$450,000)

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:

- Review of background information;
- Geologic and geotechnical explorations;
- Geophysical testing;
- Soil laboratory testing;
- Seismic hazard analyses;
- Ground motion development;
- Assist in the Development of Retrofit Strategy;
- Foundation design recommendations;
- Preparation of Log of Test Boring (LOTB) sheets;
- Preparation of reports; and
- Participation in meetings.

Project Cost: Amendment - \$1,500,000; (Current contract = \$7,000,000)

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 \$1,500,000 with Earth Mechanics, Inc. to provide geotechnical investigation 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 Chair:

Steve Kinsey, Chair

Approved: Date: September 13, 2006

REQUEST FOR COMMITTEE APPROVAL
Summary of Proposed Contract Amendment

Work Item No.: 1251

Vendor: CH2M Hill
Oakland, CA

Work Project Title: On-call Construction Management and Project Design Services

Purpose of Project: To provide staffing to perform construction management and oversight for construction projects and design services for design projects.

Brief Scope of Work: Provide a biological assessment for the Antioch retrofit project and independent preliminary cost estimates for the Dumbarton and Antioch retrofit projects

Project Cost: Amendment - \$450,000; (Current contract = \$320,000)

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 \$450,000 with CH2M Hill to provide a biological assessment for the Antioch retrofit project and independent preliminary cost estimates for the Dumbarton and Antioch retrofit projects, and, as budgeted, the Chief Financial Officer is directed to set aside funds for such contract amendment.

BATA Oversight Chair: _____
Steve Kinsey, Chair

Approved: Date: September 10, 2008