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## *Memorandum*

TO: BATA Oversight Committee

DATE: May 7, 2008

FR: Executive Director

RE: Contract Amendments – On-call Construction Management and Project Design Services

- Dumbarton and Antioch Bridges Seismic Evaluation Cost Estimation: CH2M Hill (\$100,000)
- Dumbarton Bridge Seismic Evaluation Biological Assessments: URS Corporation (\$500,000)
- Toll Bridge Seismic Retrofit Program (SRP) Project Monitoring and Support: PB Americas, Inc. (\$125,000)

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. As specified in the Request for Qualifications (RFQ) for the project, the work to be provided by the consulting firms under the contracts would be initiated by task orders for specific work activities. The RFQ also stated that from the pool of selected firms that BATA would assign the required on-call services based on the nature of the work, expertise and availability of the firm(s) and staff of those firm(s).

Staff is proposing to enter issue task orders for three projects for a total amount not to exceed \$725,000 to firms that are included in our on-call program, as follows:

- Dumbarton and Antioch Bridges Seismic Evaluation Cost Estimation: CH2M Hill (\$100,000)
- Dumbarton Bridge Seismic Evaluation Biological Assessment: URS Corporation (\$500,000)
- Toll Bridge Seismic Retrofit Program (SRP) Project Monitoring and Support: PB Americas, Inc. (\$125,000)

## **Dumbarton and Antioch Bridge Seismic Analysis**

Due to significant changes in seismic design and evaluation practices, Caltrans initiated a vulnerability study in 2004 for both the Dumbarton and Antioch bridges. The purpose of these studies was to determine if the bridges would meet current seismic performance standards. The vulnerability study determined that there was insufficient evidence to conclusively determine the performance of the bridges during a large seismic event.

In September 2006, the Bay Area Toll Authority entered into a contract with Earth Mechanics Inc. to provide the geotechnical engineering services necessary to support Caltrans' continued review of these bridges. During 2007, Caltrans used the geotechnical data obtained to advance the seismic evaluations of the Dumbarton and Antioch Bridges to withstand future earthquakes. Based on the information known today, it is evident that some retrofit will be necessary for each bridge.

Caltrans' designers continue to conduct structural analyses and should 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).

Caltrans has asked BATA to use on call contracts in order to keep the accelerated delivery schedule. The decision to aggressively deliver seismic retrofit strategies eclipsed the ability of Caltrans to get proper resources in the state budget process. To further the analysis, staff is proposing to execute task orders for two projects related to the Antioch and Dumbarton Bridges, as follows:

<b>Project</b>	<b>Work Activity Description</b>	<b>Firm</b>	<b>Task Order Amendment Amount</b>
Provide Independent Preliminary Cost Estimates for the Dumbarton and Antioch Retrofit Projects	Establish an independent cost estimation for the seismic retrofit of the Dumbarton and Antioch Toll Bridges based on the preliminary retrofit concepts developed to date by the California Department of Transportation.	CH2M Hill	\$100,000

<b>Project</b>	<b>Work Activity Description</b>	<b>Firm</b>	<b>Task Order Amendment Amount</b>
Dumbarton Bridge Biological Assessment	<p>Provide biological assessments for the Dumbarton Bridge, which would include, but not be limited to:</p> <ol style="list-style-type: none"> <li>1. Conducting biological assessments and studies, including National Marine Fisheries Services (NOAA Fisheries) and U.S. Fish and Wildlife Service (USFWS) Section 7 Biological Assessment and Consultation and Natural Environment Study (NES) wetland delineation and assessment reports;</li> <li>2. Preparing documentation for permits (e.g. Development Commission (BCDC) and United States Army Corps of Engineers (USACE) Section 404 permit applications): and</li> <li>3. Preparing biological impact reports, including Incidental Harassment Authorization (IHA) from NOAA Fisheries for incidental harassment of marine mammals during pile driving and use permit from the Don Edwards National Wildlife Refuge if portions of the work occur within the refuge boundaries.</li> </ol>	URS Corporation	\$500,000

### **Seismic Retrofit Program Project Monitoring and Support**

Additionally, staff is proposing to issue a task order to PB Americas, Inc. in an amount not exceed \$125,000 to continue to provide strategic planning and program management support for the TBPOC and Project Management Team (PMT) for continued management of the Seismic Retrofit Program.

### **Recommendation**

Staff recommends that the Committee authorize the Executive Director or his designee to negotiate and enter into contract amendments with on-call consultant firms as follows:

- Dumbarton and Antioch Project Design Services: CH2M Hill (\$100,000)
- Dumbarton and Antioch Project Design Services: URS Corp. (\$500,000)
- Toll Bridge Seismic Retrofit Program (SRP) Project Monitoring and Support: PB Americas, Inc. (\$125,000).

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Steve Heminger

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 independent preliminary cost estimates for the Dumbarton and Antioch retrofit projects

Project Cost: Amendment - \$100,000; (Total contract including amendment - \$200,000)

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 \$100,000 with CH2M Hill to provide on-call construction management and project design services, 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: May 14, 2008

REQUEST FOR COMMITTEE APPROVAL  
Summary of Proposed Contract Amendment

Work Item No.: 1251

Vendor: URS Corporation

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 an biological assessment for the Dumbarton Bridge retrofit project

Project Cost: Amendment - \$500,000; (Total contract including amendment - \$1,610,460)

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 \$500,000 with URS Corporation for on-call construction management and project design services, and, as budgeted, the Chief Financial Officer is directed to set aside funds for such contract amendment.

BATA Oversight Chair:

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Steve Kinsey, Chair

Approved: Date: May 14, 2008

REQUEST FOR COMMITTEE APPROVAL  
Summary of Proposed Contract Amendment

Work Item No.: 1256

Vendor: PB Americas, Inc.  
San Francisco, 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 Toll Bridge Seismic Retrofit Program (SRP) Project Support

Project Cost: Amendment - \$125,000; (Total contract including amendment - \$1,545,000)

Funding Source: Regional Measure 1 (RM 1) Program Projects.

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 \$125,000 with PB Americas, Inc. for on-call construction management and project design services, 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: May 14, 2008