



**METROPOLITAN  
TRANSPORTATION  
COMMISSION**

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## *Memorandum*

TO: Administration Committee

DATE: December 2, 2009

FR: Deputy Executive Director, Policy

W. I. 1122

RE: Contract Amendment – Travel Model Specification and Training Study: PB Americas, Inc.

Staff requests this Committee to authorize a contract amendment to add \$366,000 to the PB Americas contract for continuing on-call support in the calibration and validation of MTC's activity-based travel demand models.

### **Background**

MTC is planning a significant upgrade to the agency's travel demand model system to include state-of-the-art activity-based models. This new model development was planned as a two-phase effort, with Phase I to include the training of MTC staff in advanced statistical procedures, and for the consultant to prepare a master specification plan for the new model system. Phase I also included implementation of "trip chaining" procedures, and the development of population microsimulation models in cooperation with the San Francisco County Transportation Authority (SFCTA). In July 2005, following a competitive procurement process, the Administration Committee authorized award of a contract in the amount of approximately \$249,000 to pbConsult, Inc. (a PB Americas affiliate) to implement Phase I.

In the original Request for Proposal, MTC reserved the right to enter into a contract amendment with the firm selected to implement Phase I to also complete Phase II, described as the continuation of work on model estimation oversight, model evaluation, and model application software development and estimated to cost approximately \$500,000. In July 2007, this Committee approved a contract amendment in the amount of \$250,000 to carry out Phase II. That amendment included updating the model specification document developed under Phase I; developing software to implement both short-term and long-term models; model calibration and validation; training; and an assignment of the contract to PB Americas.

The work that is the subject of the proposed contract amendment will complete the calibration and validation of the new activity-based model, and start to build its credibility for regional Express Lanes forecasting, RTP analyses and other regional and subregional planning projects. The amount of the amendment is \$366,000, and staff anticipates that the required work will be completed during 2010.

### **Recommendation**

Staff recommends that this Committee authorize the Executive Director or his designee to negotiate and enter into a contract amendment with PB Americas, Inc. in an amount not to exceed \$366,000 to complete implementation of Phase II of the MTC Travel Model Development Project.

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Ann Flemer

## REQUEST FOR COMMITTEE APPROVAL

### Summary of Proposed Consultant Contract Amendment

Work Item No.: 1122

Consultant: PB Americas, Inc.  
San Francisco, CA

Work Project Title: Travel Model Specification and Training Study

Purpose of Project: Consultant will assist MTC in model calibration and testing of MTC Travel Models

Brief Scope of Work: Consultant will provide oversight to MTC model calibration, validation and scenario testing into a working travel model system

Project Cost Not to Exceed: \$366,000 amendment (Prior Contract \$499,200)

Funding Source: MTC TDA and Federal PL Funds

Fiscal Impact: Available from FYs 2009-10 Agency Budget

Motion by Committee: That the Executive Director or his designated representative is authorized to negotiate and enter into a contract amendment with PB Americas, Inc. to assist in completing Phase II of the Travel Model Specification and Training Study, and the Chief Financial Officer is directed to set aside funds up to \$366,000 for such contract amendment.

Administration Committee: \_\_\_\_\_  
Dave Cortese, Vice Chair

Approved: Date: December 9, 2009