



**METROPOLITAN
TRANSPORTATION
COMMISSION**

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Memorandum

TO: Administration Committee

DATE: July 7, 2010

FR: Executive Director

W. I. 1122

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

Staff requests this Committee to authorize a contract amendment to add \$150,000 to the PB Americas (formerly pbConsult) contract to continue supporting development of MTC's activity-based micro-simulation travel demand model.

Background

MTC is developing a state-of-the-practice activity-based micro-simulation travel demand model. The development work has proceeded in two phases. Phase I included training of MTC staff, creation of a comprehensive model specification document to guide development work, processing and analysis of MTC's household travel survey needed to support development work, and the implementation of a software tool that creates a synthetic Bay Area population upon which the travel models are applied. In July 2005, the Administration Committee authorized award of a contract in the amount of approximately \$249,000 to PB Americas (then pbConsult), following a competitive procurement process.

The Request for Proposal used to secure PB Americas services reserved MTC's right to amend the contract with the firm selected for the Phase I work to complete Phase II, which includes continuation of model estimation oversight, model evaluation, and model application software development. The RFP, which was released in 2005, estimated the Phase II work to cost approximately \$500,000. In July 2007, the Administration Committee approved a contract amendment with PB Americas (then pbConsult) in the amount of \$250,000 to begin work on Phase II. The contract was amended again in December 2009 to add \$292,000 to complete the initial calibration and validation efforts and to use consulting services to guide MTC staff in model testing efforts.

The work proposed herein will be completed in 2011 and includes: shifting responsibility for the model testing from MTC staff to the consultant; more robust testing of model sensitivities (part of model validation); detailed documentation of model testing; fully integrating the travel model with ABAG's PECAS model; the development of a model user's guide; and on-call technical support services when problems arise with the model software and/or scenario analysis reveals odd results. Staff anticipates the work will be completed during 2011.

Recommendation

Staff recommends this Committee authorize the Executive Director or his designee to negotiate and enter into a contract amendment with PB Americas (formerly pbConsult) in an amount not to exceed \$150,000 to complete implementation of Phase II of the MTC Travel Model Development Project.

Steve Heminger

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REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Consultant Contract Amendment

Work Item No.: 1122

Consultant: PB Americas, Inc (formerly pbConsult, Inc.)
San Francisco, CA

Work Project Title: Travel Model Specification and Training Study

Purpose of Project: Consultant will assist MTC in model calibration, validation 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: \$150,000 amendment (Current Contract \$790,947)

Funding Source: Proposition 84 Model Improvement Funds

Fiscal Impact: None

Motion by Committee: That the Executive Director or his designated representative is authorized to negotiate and enter into a contract amendment with PB Americas 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 \$150,000 for such contract amendment.

Administration Committee:

Tom Bates, Chair

Approved: Date: July 14, 2010