



BAY AREA TOLL AUTHORITY
Bay Area Metro Center
375 Beale Street
San Francisco, CA 94105
TEL 415.778.6700
WEB www.mtc.ca.gov

Memorandum

TO: BATA Oversight Committee

DATE: February 7, 2018

FR: Executive Director

W. I. 1251

RE: Contract Amendment - San Francisco Oakland Bay Bridge Metering Lights Upgrade Project: Parsons Transportation Group, Inc. (\$50,000)

This item would authorize the Executive Director or his designee to negotiate and enter into a contract amendment with Parsons Transportation Group, Inc. (PTG), for additional scope of work related to the San Francisco Oakland Bay Bridge (SFOBB) Metering Lights Upgrade Project (the Project). In July 2016, after a competitive procurement, the BATA Oversight Committee authorized the Executive Director to enter into a contract with PTG for consultant services for the Project.

Background

The existing metering system was developed in 1974 and received minor upgrades in 1980. The system uses embedded loop detectors and off-pavement sensors to measure traffic flow. The Caltrans Traffic Management Center (TMC) operates the metering lights using these sensors in conjunction with closed-circuit television cameras located at the toll plaza. The metering rates are currently manually adjusted.

BATA's objective is to upgrade the SFOBB Metering Lights System. The Project proposes to reduce queues and delays at the SFOBB toll plaza and maximize vehicle throughput on the bridge in the westbound direction.

Project Description

The Project will upgrade the metering lights system and associated field and central system equipment. The Project will provide for redundancy of the system in the event of a system failure or emergency. The new SFOBB ML System will be integrated into the existing Caltrans Advanced Traffic Management System (ATMS). The upgrade will also replace existing Changeable Message Signs located on the metering lights structure. Further, the upgrade will repair or close existing gaps in the communication system and repair or enhance existing vehicle detection as needed for an automated and adaptive metering system. The new SFOBB ML System will integrate existing traffic monitoring stations in the vicinity of the toll plaza to respond to traffic both upstream and downstream of the toll plaza in real time.

Contract Amendment

This contract amendment will add funding to the existing PTG contract. The contract amendment accounts for the additional scope of work and personnel needed for successful completion of the Metering Light Upgrade Project. The funding (\$50,000) is requested for:

- Traffic Analysis (Algorithm Development)
- Algorithm Assessment
- Project Management

Attachment A includes a summary of PTG's and its project team's small business and disadvantaged business enterprise status.

Recommendation

Staff recommends that the Committee authorize the Executive Director or his designee to negotiate and enter into a contract amendment with PTG to perform consultant services for the Project in an amount not to exceed \$50,000.



Steve Heminger

SH:sb

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ATTACHMENT A:
SMALL BUSINESS AND DISADVANTAGE BUSINESS ENTERPRISE STATUS

Firm Name	Role on Project	DBE* Firm			SBE** Firm		
		Yes	If Yes, List #	No	Yes	If Yes, List #	No
Parsons Transportation Group	Consultant			X			X
TJKM	Subconsultant			X			X
WSP	Subconsultant			X			X
INTELIGHT	Subconsultant			X			X

*Denotes certification by the California Unified Certification Program (CUCP).

**Denotes certification by the State of California.

REQUEST FOR COMMITTEE APPROVAL
Summary of Proposed Contract Amendment

Work Item No.:	1251, 1256
Vendor:	Parsons Transportation Group, Inc.
Work Project Title:	SFOBB Metering Lights Upgrade Project
Purpose of Project:	The SFOBB Metering Light Upgrade Project will implement a metering system that accounts for the new Bay Bridge's capacity and alignment.
Brief Scope of Work:	The primary role of the Contractor is to design the metering lights system algorithm and to replace the current metering lights system software and hardware
Project Cost Not to Exceed:	This amendment - \$50,000 Current contract amount before this amendment- \$1,974,730.84 Maximum contract amount after this amendment - \$2,024,730.84
Funding Source:	Toll Bridge Rehabilitation Funds
Fiscal Impact:	Funds are included in the FY 2017-18 Toll Bridge Rehabilitation Program Budget
Motion by Committee:	That the Committee authorize the Executive Director or his designee to negotiate and enter into a contract amendment with Parson Transportation Group, Inc. to perform consultant services for the SFOBB Metering Lights Upgrade Project, as described above and in the Executive Director's memorandum dated February 7, 2018; and the Chief Financial Officer is directed to set aside funds in the amount of \$50,000 for such contract amendment.
BATA Oversight Committee:	<hr/> Amy Rein Worth, Chair
Approval Date:	Date: February 14, 2018