



BAY AREA TOLL AUTHORITY
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Memorandum

TO: BATA Oversight Committee

DATE: July 6, 2016

FR: Executive Director

W. I. 1251

RE: Contract – San Francisco-Oakland Bay Bridge (SFOBB) Metering Lights System Upgrade Project System Integrator: Parsons Transportation Group (\$1,700,000, plus a contingency of \$340,000)

This item would authorize the Executive Director or his designee to enter into a contract with Parsons Transportation Group (Parsons) to provide system integration services to design, develop, test, implement and maintain the San Francisco Bay Bridge Metering Lights System Upgrade Project in an amount not to exceed \$1,700,000 through December 31, 2019, with an option to annually extend for maintenance services up to an additional five years, subject to approval of future BATA budgets. This item would also authorize a project contingency in an amount of \$340,000 to be used at the Executive Director's discretion for changes needed to complete the work.

Background

The proposed SFOBB metering system upgrade will replace existing sensors and controllers and improve the metering algorithms to improve traffic flow at the SFOBB. Upgrading the existing metering system will reduce queues and delays at the SFOBB toll plaza in the westbound direction and better manage the high traffic volumes in this corridor.

The SFOBB Corridor is the most congested travel corridor in the 9-county Bay Area region. Given that vehicle demand exceeds capacity on the SFOBB, the key traffic operations strategy is to move more people in fewer vehicles to make the most efficient use of the bridge's capacity. Another of BATA's projects, the Bay Bridge Forward project, invests in congestion and transit crowding relief within this bridge corridor. Such operational improvements include integrated bridge corridor management strategies that work with the bridge metering light upgrades and other technology-based strategies on I-80, I-880 and I-580 approaches to the bridge.

The primary role of the System Integrator Contractor will be to design the metering light system algorithm and to replace the current metering lights system software and hardware. The Civil Contractor, through a separate future contract, will install any physical elements necessary in the field, like utility cabinets and in-lane detection. This contract approval is for the System Integrator Contractor.

Contractor Selection Process

On April 4, 2016, BATA issued a Request for Proposal (RFP) for a project system integrator. BATA held a Proposers' Conference on April 11, 2016 during which staff provided project information and answered questions.

On April 26, 2016, BATA received one (1) proposal from Parsons. Receiving only a single proposal was not unexpected by staff given the nature of the project. During the prior contractor outreach process, staff and our consultant technical advisor found no comparable projects in the scale and scope of the toll plaza metering system and found few firms that appear to have the experience and capabilities to deliver this project.

BATA staff reviewed the proposal considering the following factors as described in the RFP.

1. Approach to scope, work plan, resource availability, and resource allocation (25%);
2. Prime consultant's firm and team qualifications, references, experience with similar systems and key personnel assigned to the project (20%);
3. Responses on system requirements (20%);
4. Cost effectiveness, reasonableness and appropriateness of cost allocation (15%); and
5. Cost (10%)

The proposal was evaluated by panel members comprised of staff from BATA and Caltrans. Based on the initial scores, the panel entered into discussions with Parsons. Discussions were held on May 12, 2016. The purpose of the discussions was to identify Parsons specific deficiencies and weaknesses in its proposal and to provide them with the opportunity to consider possible approaches to alleviating or eliminating them in its Best and Final Offer (BAFO). After reviewing and evaluating the BAFO, Parsons scored 438 out of 500 possible points, see Attachment B. The Parsons team outlined an approach that demonstrates a strong understanding of the needs of the project and has committed to providing an experienced and qualified team to deliver the project. Parsons has become a leader in high-end advanced transportation management software. Attachment A includes a summary of Parsons 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 with Parsons in the amount of \$1,700,000 to provide system integration services for the SFOBB Metering Lights System Upgrade Project, for a term through December 31, 2019 with annual options to extend for maintenance services up to an additional five years subject to the approval of future BATA budgets. Staff also recommends that contingency funds in the amount of \$340,000 be set aside for this project and that the Executive Director, or his designee, be authorized to use such contingency funds for contract changes, as needed, to complete the work.



Steve Heminger

SH:sb
Attachment

Attachment A

Small Business and Disadvantaged Business Enterprise Status

		DBE* Firm			SBE** Firm		
		Yes	If Yes, List #	No	Yes	If Yes, List #	No
Prime Contractor	Parsons Transportation Group			X			X
Subcontractor	TJKM	X	40772		X	38780	

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

**Denotes certification by the State of California.

**Attachment B
COMBINED RATINGS**

Evaluation Factor	1. Approach	2. Qualifications & References	3. Response to System Requirements	4. Cost Effectiveness	5. Cost	6. Written & Verbal Communication Skills	Overall Proposal Rating
Proposer 1	107	90.5	92	55	50	43.5	438

REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Contract

Work Item No.:	1251
Contractor:	Parsons Transportation Group San Francisco, CA
Work Project Title:	San Francisco-Oakland Bay Bridge (SFOBB) Metering Lights System Upgrade System Integrator
Purpose of Project:	System integration for the SFOBB Metering Lights System Upgrade Project
Brief Scope of Work:	Design, develop, test, and implement the SFOBB Metering Lights System Upgrade Project
Project Cost Not to Exceed:	<ul style="list-style-type: none">• \$1,700,000• Plus a contingency totaling \$340,000 (to be used at the Executive Director's discretion for changes in the work)
Funding Source:	Toll Bridge Rehabilitation Funds
Fiscal Impact:	Funds are included in the FY 2016-17 Toll Bridge Rehabilitation Program Budget; funding for option years are subject to the approval of future BATA budgets.
Motion by Committee:	That the Executive Director or his designee is authorized to negotiate and enter into a contract with Parsons Transportation Group, for consultant services for the SFOBB Metering Lights System Upgrade Project, as described above and in the Executive Director's memorandum dated July 6, 2016 and is authorized to use contingency funds for any changes as needed to complete the scope of work, and that the Chief Financial Officer is directed to set aside funds in the amount of \$1,700,000 for such contract and \$340,000 for such contingency.
BATA Oversight Committee:	<hr/> Amy Rein Worth, Chair
Approved:	Date: July 13, 2016