



BAY AREA TOLL AUTHORITY
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Memorandum

TO: BATA Oversight Committee

DATE: June 7, 2017

FR: Deputy Executive Director, Operations

W. I. 1252

RE: Contract Amendment – On-Call EPS Consultant Assistance Bench – Toll System Configuration Support: Silicon Transportation Consultants (STC) (\$100,000)

This item authorizes the Executive Director or his designee to negotiate and enter into a contract amendment with Silicon Transportation Consultants (STC) in the amount of \$100,000 to provide technical assistance for modifying the toll equipment/system to support updates to California's tolling interoperability requirements. STC is currently under contract with BATA to provide technical assistance to support the California Toll Operators Committee's (CTOC) transition from the Title 21 protocol to the 6C protocol.

Background

All toll facilities in California utilize electronic toll collection (ETC), which employs automatic vehicle identification (AVI) to communicate with a toll tag in a vehicle as it passes through a read point. Senate Bill 1523 (Kopp, 1990) mandated the California Department of Transportation (Caltrans) work with the State's toll facility operators to develop a standard communications protocol for ETC systems. The bill required the protocol, what would be known as "Title 21," to allow for a single type of toll tag to be used across all toll facilities in California. The protocol has been in place since 1990.

To reduce the cost of toll tags and capitalize upon newer technologies, BATA and other California toll facility operators recently began to explore alternative protocols. Collectively, a protocol known as 6C was chosen due to its open standard and cost effectiveness. 6C tags are capable of being produced as thin sticker tags, which are easier to stock and distribute to customers. Caltrans has projected that this may reduce toll facility operator expenditures by as much as \$20 million annually. In April 2015, the state's toll facility operators requested Caltrans begin the process of modifying Title 21 to adopt the 6C protocol. The proposed changes to the regulation will be finalized by Caltrans by August 2017. The updated regulation will require California toll operators to read 6C tags by January 1, 2019. Accordingly, BATA is preparing to update its tolling system. In February 2017, BATA staff conducted a mini-procurement from the Electronic Payments Consultant Bench for assistance with the implementation of the 6C protocol on BATA tolling equipment. The selected consultant would provide oversight of the protocol implementation.

Scoring:

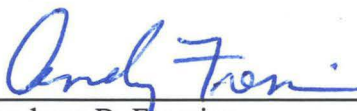
The evaluation panel received proposals from HNTB Corporation (HNTB), Jacobs, STC, and Traffic Technology Inc. (TTI). Each proposal was scored on **(A)** Demonstrated understanding of the project, project objective and approach to completing the work; **(B)** Qualifications of firm's ability to complete the work; **(C)** Qualifications and availability of key personnel; and **(D)** cost effectiveness. Each factor was equally weighted. The evaluation panel scored each proposal as follows with STC receiving the highest score:

Rank	Consultant	A	B	C	D	/ 100 pts
1	STC	23.5	21	23.5	23.5	91.5
2	TTI	23	23	22	20	88
3	HNTB	22.5	22.5	23	18.5	86.5
4	Jacobs	19	21	20.5	17.5	78

Attachment A summarizes STC 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 STC in an amount not to exceed \$100,000 to assist MTC with implementation of the 6C protocol on BATA tolling equipment.



Andrew B. Fremier

SH:nt
Attachment

Attachment A

	Firm Name	Role on Project	DBE* Firm				SBE** Firm		
			Yes	If Yes, List #	No		Yes	If Yes, List #	No
Prime Contractor	Silicon Transportation Consultants	Technical Assistance	x	43097			x	1802481	
Subcontractor	Transportation Mobility Solutions	Quality Assurance	x	42896			x	2000500	

*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.:	1252
Consultant:	Silicon Transportation Consultants (STC), Palo Alto, CA
Work Project Title:	Toll System Configuration Support
Purpose of Project:	To assist with implementation of the 6C protocol on BATA tolling equipment
Brief Scope of Work:	STC will provide technical expertise to BATA, providing oversight as another BATA contractor implements modifications to the Advanced Toll Collection and Accounting System (ATCAS) to include the 6C protocol.
Project Cost Not to Exceed:	\$100,000 (this amendment) Total Contract before this amendment: \$150,000 Total Authorized Contract after this amendment: \$250,000
Funding Source:	BATA Toll Bridge Rehabilitation Program Budget
Fiscal Impact:	Funds are included in the BATA Toll Bridge Rehabilitation Program Budget for FY 2016-17.
Motion by Committee:	That the Executive Director or his designee is authorized to negotiate and enter into a contract amendment with STC, to provide 6C consultant assistance as described above and in the Deputy Executive Director's memorandum dated June 7, 2017, and the Chief Financial Officer is directed to set aside funds in the amount of \$100,000 for such contract amendment.
BATA Oversight Committee:	<hr/> Amy R. Worth, Chair
Approved:	June 14, 2017