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## ***Memorandum***

TO: BATA Oversight Committee

DATE: May 2, 2018

FR: Executive Director

W. I. 1252

RE: Contract Amendment – Advanced Toll Collection and Accounting System (ATCAS II):  
TransCore, LP (\$856,727)

This memorandum requests the Committee to authorize the Executive Director to enter into a contract amendment with TransCore, LP (TransCore) in an amount not to exceed \$856,727 to provide funds to modify the toll equipment and system to support updates to California's tolling interoperability requirements.

### **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, 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 selected a protocol known as "6C" to be considered for inclusion within the existing Title-21 regulation. Caltrans projected switching to the 6C protocol may reduce toll facility operator expenditures statewide by as much as \$20 million annually. The proposed changes to modify the regulation to adopt the 6C protocol were finalized by Caltrans in December of 2017 and the updated regulation requires California toll operators to read 6C tags by January 1, 2019. Accordingly, BATA is preparing to update its tolling system.

In September 2009, after a competitive procurement, the Committee authorized BATA to enter into a contract with TransCore to replace the original toll collection accounting system. Installation was completed in late 2013 followed by a one-year warranty period and six years of maintenance which ends in September 2020. Maintaining the toll collection system involves daily inspections of lane system hardware, continuous monitoring of toll transaction data, and periodic software improvements along with corrective maintenance whenever equipment is no longer functioning.

The system-wide upgrade to read the 6C protocol requires hardware and software changes. The noteworthy changes to the system include: upgrading the existing AVI hardware with new

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transceiver boards and firmware within BATA's 71 lanes; tuning each antenna so the AVI mapping zones are targeted for each appropriate lane; performing freeway lane closures of Open Road Tolling zones at the Benicia and Bay Bridge Toll Plazas; working with the Regional Customer Service Center contractor to ensure data is transferred and received accurately; and updating toll system documentation.

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

**Recommendation**

Staff recommends this Committee authorize the Executive Director or his designee to negotiate and enter into a contract amendment with TransCore in an amount not to exceed \$856,727 to modify the toll equipment and system to comply with the State of California's requirement to read the 6C protocol by January 1, 2019.



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Steve Heminger

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**Attachment A**  
**Small Business and Disadvantaged Business Enterprise Status**

		DBE* Firm			SBE** Firm		
Firm Name	Role on Project	Yes	If Yes, List #	No	Yes	If Yes, List #	No
Prime Contractor	TransCore, LP			X			X
Subcontractor	Transport Data Systems			X			X
	Statewide Traffic Control			X			X
	Cogencia			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.: 1252

Vendor: TransCore, LP (Nashville, Tennessee)

Work Project Title: New Advanced Toll Collection and Accounting System (ATCAS II)

Purpose of Project: Maintaining the Toll Collection and Accounting System operated on the seven state-owned toll bridges.

Brief Scope of Work: Modify ATCAS II for the ability to read both Title 21 and 6C protocols.

Project Cost Not to Exceed: This amendment - \$856,727  
Current contract amount before this amendment - \$40,887,058  
Maximum contract amount after the amendment - \$41,743,785

Funding Source: Toll Bridge Rehabilitation Program Funds

Fiscal Impact: Funds are included in the FY 2017-18 Toll Bridge Rehabilitation Program Budget.

Motion by Committee: That the Executive Director or his designee is authorized to negotiate and enter into a contract amendment with TransCore, LP to provide continuing maintenance services as described above and in the Executive Director's memorandum dated May 2, 2018, and the Chief Financial Officer is authorized to set aside funds in the amount of \$856,727 for such contract amendment.

BATA Oversight Committee:

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Amy Worth, Chair

Approved: May 9, 2018