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## *Memorandum*

TO: BAIFA

DATE: June 21, 2017

FR: Executive Director

W. I. 6845

RE: Contract - On-Call Transportation and Engineering Services: Contra Costa I-680 Martinez to Walnut Creek Express Lane Before and After Evaluation: Iteris, Inc. (\$300,000)

This memorandum seeks approval from the Authority for a contract with Iteris, Inc. (Iteris) in an amount not to exceed \$300,000 to provide on-call transportation planning services related to before and after evaluations for the I-680 Express Lane in Contra Costa County between Martinez and Walnut Creek, subject to approval of the Bay Area Toll Authority (BATA) FY 2017-18 budget.

### **Background**

BAIFA, in partnership with the Contra Costa Transportation Authority, is preparing to deliver the I-680 Northern Segment express lane in Contra Costa County by converting the existing southbound high-occupancy vehicle lane between Martinez and Walnut Creek to an express lane and adding a new express lane to connect the gap in the HOV/HOT system on I-680 near the I-680/SR-24 interchange. The Northern Segment will be an extension of BAIFA's I-680 Express Lanes between Walnut Creek and San Ramon opening in September 2017. Construction of the Northern Segment will begin by early 2018. Staff estimates that the I-680 Northern Segment express lane will open to traffic in 2020.

Staff will collect before and after data to measure the impacts of the I-680 Northern Segment Express Lane. The initial data collection will occur this Fall 2017 before construction activities commence, and will establish baseline conditions. Baseline conditions will later be compared to data collected after the lanes are open and traffic has stabilized. The data to be collected, including travel time/speed, volumes, and vehicle occupancy, will be used to evaluate various performance measures, such as travel time savings and reliability, vehicle/person throughput, level of service, delay, and duration of congestion.

### **Selection Process**

In February 2016, MTC issued a Request for Qualifications to pre-qualify firms to provide on-call transportation engineering and planning services to support various Service Categories, including:

- a) Freeway Active Traffic Management
- b) Travel Demand Management
- c) Connected Vehicles/Autonomous Vehicles and Advanced Technology
- d) Data Analytics and Performance Assessments
- e) Arterial Operations
- f) General Planning

At its June 10, 2016 meeting, the Operations Committee approved a competitively pre-qualified panel of fourteen consultants to provide on-call transportation engineering and planning services in the Freeway Active Traffic Management service category, and eleven consultants in the Data Analytics and Performance Assessments service category on an as-needed basis for use by MTC and its affiliated agencies, including BAIFA.

On May 5, 2017 BAIFA invited all pre-qualified consultants in either the Freeway Active Traffic Management or the Data Analytics and Performance Assessments service category to submit a budget, project schedule, and staffing plan to conduct before and after evaluations for the I-680 Northern Segment Express Lane. MTC received proposals from four firms: DKS Associates, Iteris, Mott MacDonald, LLC., and TJKM. A panel of BAIFA staff performed a review of the proposals and evaluated the proposals based on each firm's previous similar experience, approach to completing the work, reasonableness of costs, and written communication.

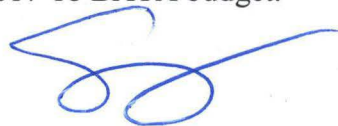
Based upon this evaluation, staff recommends the selection of Iteris. Iteris had the most cost-effective proposal by taking into account scope areas that could be performed more efficiently, thereby reducing project costs. Additionally, Iteris has local knowledge of the San Francisco Bay Area freeway corridors, and expertise in both big data analytics and in-field data collection. The table below provides the final rankings based upon staff evaluations:

Consultant	Ranking
Iteris, Inc.	1
TJKM	2
DKS Associates	3
Mott MacDonald, LLC	4

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

### Recommendation

Staff recommends that the Authority authorize the Executive Director or his designee to negotiate and enter into a contract with Iteris in an amount not to exceed \$300,000 to provide on-call transportation planning services related to before and after evaluations for the Contra Costa I-680 Northern Segment express lane project, subject to the approval of the FY 2017-18 BATA budget.



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Steve Heminger

SH: wc

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**Attachment A**  
Small and Disadvantaged Business Participation

Firm Name	Role on Project	DBE* Firm			SBE** Firm		
		Yes	If Yes, List #	No	Yes	If Yes, List #	No
Iteris, Inc. – Prime Contractor	Project Management and Data Analysis			X			X
System Metrics Group, Inc. - Subcontractor	Technical Advisor; Data Analysis			X	X	23091	
Idax - Subcontractor	Data Collection			X			X

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

\*\*Denotes certification by the State of California.

## REQUEST FOR AUTHORITY APPROVAL

### Summary of Proposed Contract

Work Item No.: 6845

Contractor: Iteris, Inc., Berkeley, CA

Work Project Title: Contra Costa I-680 Northern Segment Express Lane Before and After Evaluation

Purpose of Project: Measure performance of Contra Costa I-680 Northern Segment express lane after implementation and compare with before conditions; report the express lanes performance to various stakeholders.

Brief Scope of Work: Perform before and after evaluations for the I-680 Northern Segment express lane project in Contra Costa County. Work includes collecting and analyzing traffic data and documenting the results.

Project Cost Not to Exceed: \$300,000

Funding Source: BATA Express Lanes Capital Project Budget

Fiscal Impact: Funding is included in the Express Lane Capital Project Budget, subject to adoption of the FY 2017-18 Toll Bridge Program Operating and Capital Budgets (BATA Resolution No. 122).

Motion by Authority: That the Executive Director or his designee is authorized to negotiate and enter into a contract with Iteris, Inc. to provide on-call transportation planning services as described above and in the Executive Director's memorandum dated June 21, 2017, and the Chief Financial Officer is directed to set aside funds in the amount of \$300,000 for such contract, subject to budget adoption as specified above.

BAIFA:

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Jake Mackenzie, Chair

Approved: Date: June 28, 2017