

Meeting Agenda

Bay Area Infrastructure Financing Authority

Authority Members:

Jake Mackenzie, Chair Amy R. Worth, Vice Chair

Federal D. Glover, Scott Haggerty, James P. Spering

Non-Voting Member: Bijan Sartipi

Wednesday, June 28, 2017

10:40 AM

Board Room - 1st Floor

This meeting is scheduled to be webcast live on the Metropolitan Transportation Commission's Web site: <http://mtc.ca.gov/whats-happening/meetings> and will take place at 10:40 a.m. or immediately following the 10:35 a.m. Bay Area Headquarters Authority meeting.

1. Roll Call/Confirm Quorum

Quorum: A quorum of this Authority shall be a majority of its regular voting members (3).

2. Consent Calendar

- 2a.** [17-2641](#) Minutes of the May 24, 2017 meeting
- Action: Authority Approval
- Attachments: [2a 05-24-2017 BAIFA Draft Minutes.pdf](#)
-
- 2b.** [17-2642](#) 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)
- Action: Authority Approval
- Presenter: Winnie Chung
- Attachments: [2b Contract Iteris.pdf](#)
-
- 2c.** [17-2643](#) Purchase Order - Electric Service for I-680 Express Lanes and Backhaul Communications Network Operations: PG&E (\$229,000 plus a \$34,000 contingency)
- Action: Authority Approval
- Presenter: Megan Nangle
- Attachments: [2c PurchaseOrder PG&E.pdf](#)

- 2d. [17-2644](#) Purchase Order - Backhaul Network Engineering Services: SSP Data (\$300,000)

Action: Authority Approval

Presenter: Mark Dinh

Attachments: [2d PurchaseOrder SSPData.pdf](#)

3. Authority Approval

- 3a. [17-2645](#) BAIFA Resolution No. 16 - FY 2017-18 Express Lanes Program Operating Budget

A request for the approval of BAIFA Resolution No. 16, the FY 2017-18 Operating Budget.

Action: Authority Approval

Presenter: Brian Mayhew

Attachments: [3a BAIFA Reso-016 FY18 Op Budget.pdf](#)

- 3b. [17-2646](#) I-880 Express Lanes
i. BAIFA Resolution No. 9, Revised - Express Lane Program Expenditure Plan

A recommendation to amend the Expenditure Plan based on updates to the I-880 Express Lanes project cost. The Expenditure Plan designates funds in the BATA Express Lanes Capital Budget for specific express lane corridor projects.

ii. Contract - I-880 Express Lanes Civil Construction: Flat Iron West (\$44,875,182 plus a contingency of \$10,739,546)

A request to approve a contract for civil construction services of the I-880 Express Lanes.

Action: Authority Approval

Presenter: Lisa Klein

Attachments: [3b BAIFA Reso-09_rev_EL_and_I-880_EL.pdf](#)

- 3c.** [17-2692](#) Contract Amendment - On-Call Design Services: Regional Express Lane Network: I-880 Plans, Specifications and Estimate and Design Support Services: HDR Engineering, Inc. (\$817,700)
- Recommendation to approve a contract amendment for design services during construction of the civil elements of the I-880 Express Lanes.
- Action:** Authority Approval
- Presenter:** Peter Lee
- Attachments:** [3c_Contract_Amendment_HDR_880_PS&E.pdf](#)

4. Public Comment / Other Business

5. Adjournment / Next Meeting

The next meeting of the Bay Area Infrastructure Financing Authority will be held on July 26, 2017 at the Bay Area Metro Center, 375 Beale Street, San Francisco CA 94105.

Public Comment: The public is encouraged to comment on agenda items at Authority meetings by completing a request-to-speak card (available from staff) and passing it to the Authority secretary. Public comment may be limited by any of the procedures set forth in Section 3.09 of MTC's Procedures Manual (Resolution No. 1058, Revised) if, in the chair's judgment, it is necessary to maintain the orderly flow of business.

Meeting Conduct: If this meeting is willfully interrupted or disrupted by one or more persons rendering orderly conduct of the meeting unfeasible, the Chair may order the removal of individuals who are willfully disrupting the meeting. Such individuals may be arrested. If order cannot be restored by such removal, the members of the Authority may direct that the meeting room be cleared (except for representatives of the press or other news media not participating in the disturbance), and the session may continue.

Record of Meeting: Authority meetings are recorded. Copies of recordings are available at a nominal charge, or recordings may be listened to at MTC offices by appointment. Audiocasts are maintained on MTC's Web site (mtc.ca.gov) for public review for at least one year.

Accessibility and Title VI: MTC provides services/accommodations upon request to persons with disabilities and individuals who are limited-English proficient who wish to address Commission matters. For accommodations or translations assistance, please call 415.778.6757 or 415.778.6769 for TDD/TTY. We require three working days' notice to accommodate your request.

可及性和法令第六章: MTC 根據要求向希望來委員會討論有關事宜的殘疾人士及英語有限者提供服務/方便。需要便利設施或翻譯協助者，請致電 415.778.6757 或 415.778.6769 TDD / TTY。我們要求您在三個工作日前告知，以滿足您的要求。

Acceso y el Título VI: La MTC puede proveer asistencia/facilitar la comunicación a las personas discapacitadas y los individuos con conocimiento limitado del inglés quienes quieran dirigirse a la Comisión. Para solicitar asistencia, por favor llame al número 415.778.6757 o al 415.778.6769 para TDD/TTY. Requerimos que solicite asistencia con tres días hábiles de anticipación para poderle proveer asistencia.

Attachments are sent to Authority members, key staff and others as appropriate. Copies will be available at the meeting.

All items on the agenda are subject to action and/or change by the Authority. Actions recommended by staff are subject to change by the Authority.



Metropolitan Transportation Commission

375 Beale Street, Suite 800
San Francisco, CA 94105

Legislation Details (With Text)

File #: 17-2641 **Version:** 1 **Name:**

Type: Minutes **Status:** Consent

File created: 5/17/2017 **In control:** Bay Area Infrastructure Financing Authority

On agenda: 6/28/2017 **Final action:**

Title: Minutes of the May 24, 2017 meeting

Sponsors:

Indexes:

Code sections:

Attachments: [2a_05-24-2017_BAIFA_Draft_Minutes.pdf](#)

Date	Ver.	Action By	Action	Result
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Subject:
Minutes of the May 24, 2017 meeting

Recommended Action:
Authority Approval



Bay Area Metro Center
375 Beale Street
San Francisco, CA 94105

Meeting Minutes

Bay Area Infrastructure Financing Authority

Authority Members:

Jake Mackenzie, Chair Amy R. Worth, Vice Chair

Federal D. Glover, Scott Haggerty, James P. Spering

Non-Voting Member: Bijan Sartipi

Wednesday, May 24, 2017

9:35 AM

Board Room - 1st Floor

Call Meeting to Order

1. Roll Call/Confirm Quorum

Present: 4 - Commissioner Glover, Commissioner Haggerty, Chair Mackenzie and Commissioner Spering

Absent: 1 - Vice Chair Worth

Non-voting member absent: Commissioner Sartipi

2. Consent Calendar

Upon the motion by Commissioner Spering and the second by Commissioner Haggerty, the Consent Calendar was unanimously approved by the following vote:

Aye: 4 - Commissioner Glover, Commissioner Haggerty, Chair Mackenzie and Commissioner Spering

Absent: 1 - Vice Chair Worth

Approval of the Consent Calendar

2a. [17-2543](#) Minutes of the March 22, 2017 meeting

Action: Authority Approval

2b. [17-2544](#) Cooperative Agreement Amendment - Design/Environmental Services and Oversight of Final Design and Right-of-Way Phases for I-880 Express Lanes in Alameda County: Caltrans (\$150,000)

Action: Authority Approval

Presenter: Peter Lee

3. Information

3a. [17-2193](#) I-680 Contra Costa Express Lane Customer Education Approach

Presentation on the approach to educating the public on the I-680 Contra Costa Express Lanes between Walnut Creek and San Ramon, which are scheduled to open in summer 2017.

Action: Information

Presenter: Barbara Laurenson

Bobby Lee was called to speak.

3b. [17-2545](#) Express Lane Program Quarterly Report - 1st Quarter 2017

Quarterly progress report for the Express Lane Program.

Action: Information

Presenter: Lisa Klein

4. Public Comment / Other Business

5. Adjournment / Next Meeting

The next meeting of the Bay Area Infrastructure Financing Authority will be held on June 28, 2017 at the Bay Area Metro Center, 375 Beale Street, San Francisco CA 94105.



Metropolitan Transportation Commission

375 Beale Street, Suite 800
San Francisco, CA 94105

Legislation Details (With Text)

File #: 17-2642 **Version:** 1 **Name:**

Type: Contract **Status:** Consent

File created: 5/17/2017 **In control:** Bay Area Infrastructure Financing Authority

On agenda: 6/28/2017 **Final action:**

Title: 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)

Sponsors:

Indexes:

Code sections:

Attachments: [2b Contract Iteris.pdf](#)

Date	Ver.	Action By	Action	Result
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Subject:

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)

Presenter:

Winnie Chung

Recommended Action:

Authority Approval



Bay Area Infrastructure Financing Authority
Bay Area Metro Center
375 Beale Street, Suite 800
San Francisco, CA 94105
TEL 415.778.6700
WEB www.mtc.ca.gov

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.

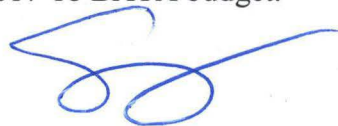
Based upon this evaluation, staff recommends the selection of Iteris. Iteris had the most cost-effective proposal by taking into account scope areas that could be performed more efficiently, thereby reducing project costs. Additionally, Iteris has local knowledge of the San Francisco Bay Area freeway 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.



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:

Jake Mackenzie, Chair

Approved: Date: June 28, 2017



Metropolitan Transportation Commission

375 Beale Street, Suite 800
San Francisco, CA 94105

Legislation Details (With Text)

File #: 17-2643 **Version:** 1 **Name:**

Type: Contract **Status:** Consent

File created: 5/17/2017 **In control:** Bay Area Infrastructure Financing Authority

On agenda: 6/28/2017 **Final action:**

Title: Purchase Order - Electric Service for I-680 Express Lanes and Backhaul Communications Network
Operations: PG&E (\$229,000 plus a \$34,000 contingency)

Sponsors:

Indexes:

Code sections:

Attachments: [2c PurchaseOrder PG&E.pdf](#)

Date	Ver.	Action By	Action	Result
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Subject:
Purchase Order - Electric Service for I-680 Express Lanes and Backhaul Communications Network
Operations: PG&E (\$229,000 plus a \$34,000 contingency)

Presenter:
Megan Nangle

Recommended Action:
Authority Approval



Bay Area Infrastructure Financing Authority
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 TEL 415.778.6700
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Memorandum

TO: BAIFA

DATE: June 21, 2017

FR: Executive Director

W. I. 6860

RE: Purchase Order – Electric Service for I-680 Express Lanes and Backhaul Communications Network Operations: PG&E (\$229,000 plus a \$34,000 contingency)

This memorandum requests Authority approval to issue a purchase order for Pacific Gas & Electric (PG&E) to provide electric utility services for the operations of the I-680 Express Lanes in Contra Costa County between Walnut Creek and San Ramon and the backhaul fiber optic communications for FY 2017-18 network (Backhaul) in an amount not to exceed \$229,000 plus a contingency of \$34,000, subject to the adoption of the Express Lanes Program Operating budget. These services cannot be procured competitively as PG&E is the only electric utility provider in the area.

Background

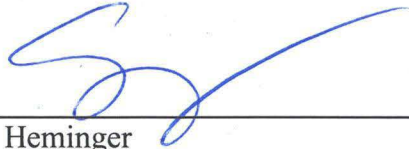
The I-680 Express Lanes will convert the existing I-680 northbound and southbound high-occupancy vehicle (HOV) lanes to express lanes in Contra Costa County between Walnut Creek and San Ramon. The Backhaul is a planned metropolitan area data network that will transport traffic and toll data between the MTC express lanes on I-680, I-880 and I-80; the toll system host at the Benicia-Martinez Toll Plaza; and the toll operations centers at Caltrans District 4 and the Bay Area Metro Center. The PG&E services will power tolling and communication equipment within the I-680 corridor.

The total estimated cost for PG&E service for the I-680 Express Lanes and Backhaul for FY 2017-18 is \$229,000. Staff also requests authorization of a \$34,000 contingency to prepare for unanticipated costs due to first year of Express Lanes and Backhaul operations. A summary of the estimated expenses for the I-680 Express Lanes and Backhaul projects are shown in the table below.

Electric Utility Estimated Costs for I-680 Express Lanes & Backhaul	
I-680 Express Lanes	\$209,000
Backhaul Communications Network	\$20,000
Contingency (15%)	\$34,000
Purchase Order Budget	\$263,000

Recommendation

Staff recommends that the Authority authorize the Executive Director or his designee to issue a purchase order for electric utility services supporting the I-680 Express Lanes and Backhaul for FY 2017-18 in an amount not to exceed \$229,000 to PG&E plus a contingency in the amount of \$34,000 to be used at the Executive Director, or designee's discretion, subject to the adoption of the Express Lanes Program Operating budget.



Steve Heminger

SH:mn

REQUEST FOR AUTHORITY APPROVAL
Summary of Purchase Order

Work Item No.: 6860

Contractor: Pacific Gas & Electric (PG&E)

Work Project Title: Electric Service for I-680 Express Lanes in Contra Costa County between Walnut Creek and San Ramon and Backhaul Communications Network Operations

Purpose of Project: To provide power to the tolling system and communication network for the I-680 Express Lane between Walnut Creek and San Ramon and the Backhaul Communications Network.

Brief Scope of Work: PG&E will provide electric utility services for the I-680 Express Lanes between Walnut Creek and San Ramon and the Backhaul Communications Network in Contra Costa County.

Project Cost Not to Exceed: \$229,000 plus a \$34,000 contingency

Funding Source: BAIFA Operating Budget

Fiscal Impact: Funding is included in the FY 2017-18 BAIFA Operating Budget (BAIFA Resolution No. 16), subject to adoption.

Motion by Authority: That the Executive Director or his designee is authorized to issue a purchase order in the amount of \$229,000 to PG&E for electric services as described above and in the Executive Director's memorandum dated June 21, 2017, and further that the Executive Director or his designee, is authorized to use contingency funds in the amount of \$34,000 for any unanticipated conditions during operations; and that the Chief Financial Officer is authorized to set aside funds for such purchase order and contingency in the amounts stated herein, subject to budget adoption as specified above.

BAIFA:

Jake Mackenzie, Chair

Approved: Date: June 28, 2017

Legislation Details (With Text)

File #: 17-2644 **Version:** 1 **Name:**

Type: Contract **Status:** Consent

File created: 5/17/2017 **In control:** Bay Area Infrastructure Financing Authority

On agenda: 6/28/2017 **Final action:**

Title: Purchase Order - Backhaul Network Engineering Services: SSP Data (\$300,000)

Sponsors:

Indexes:

Code sections:

Attachments: [2d_PurchaseOrder_SSPData.pdf](#)

Date	Ver.	Action By	Action	Result
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Subject:
Purchase Order - Backhaul Network Engineering Services: SSP Data (\$300,000)

Presenter:
Mark Dinh

Recommended Action:
Authority Approval



Bay Area Infrastructure Financing Authority
 Bay Area Metro Center
 375 Beale Street, Suite 800
 San Francisco, CA 94105
 TEL 415.778.6700
 WEB www.mtc.ca.gov

Memorandum

TO: BAIFA

DATE: June 21, 2017

FR: Executive Director

W. I. 6840

RE: Purchase Order – Backhaul Network Engineering Services: SSP Data (\$300,000)

This item would authorize the Executive Director or his designee to issue a purchase order to SSP Data for network engineering services to oversee the installation and ongoing operations of the associated fiber optic communications network (Backhaul), subject to the adoption of the Express Lanes Program Operating budget.

Background

The Backhaul is a planned metropolitan area data network that will be used to send traffic and toll data between the BAIFA express lanes on I-680, I-880, and I-80; the toll system host at the Benicia-Martinez Toll Plaza; and the toll operation data centers at Caltrans District 4 and the Bay Area Metro Center. BAIFA's investment leverages existing communications infrastructure owned by Caltrans and BART and has been designed to accommodate future use by traffic management systems operated by Caltrans, MTC and the Bay Area Toll Authority. Construction of the Backhaul began in February 2016 and staff anticipates operations of the Backhaul to begin in July 2017 prior to opening of the I-680 Express Lanes in Contra Costa County between Walnut Creek and San Ramon.

BAIFA has procured network engineering services from SSP Data since February 2017 under Executive Director authority. SSP Data was selected using a collaborative intergovernmental procurement agreement from the General Services Administration, which satisfies BAIFA's procurement requirements. The services have been instrumental in providing technical review and oversight of the Backhaul network implementation and coordination with Backhaul stakeholders including the Backhaul contractor, the express lanes toll system integrator, and Backhaul designers. Staff recommends procuring network engineering services for FY 2017-18 to support the completion of the Backhaul installation and for ongoing operations.

Attachment A includes a summary of the small business and disadvantaged business enterprise status for SSP Data.

Recommendation

Staff recommends that the Committee authorize the Executive Director or his designee to issue a purchase order for network engineering services to SSP Data in an amount not to exceed \$300,000, subject to the adoption of the Express Lanes Program Operating budget.


 Steve Heminger

SH: md

Attachment

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Attachment A

		DBE* Firm			SBE** Firm		
Firm Name		Yes	If Yes, List #	No	Yes	If Yes, List #	No
Prime Contractor	SSP Data			X	X	56663	

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

**Denotes certification by the State of California.

REQUEST FOR COMMITTEE APPROVAL
Summary of Proposed Purchase Order

Work Item No.:	6860
Vendor:	SSP Data, Richmond, CA
Work Project Title:	Express Lanes Fiber Optic Communications Network
Purpose of Project:	Installation, operations, and maintenance of fiber optic data network for the MTC express lanes
Brief Scope of Work:	Provide network engineering services for the express lanes fiber optic communications network
Project Cost Not to Exceed:	\$300,000
Funding Source:	BAIFA Operating Budget
Fiscal Impact:	Funding is included in the FY 2017-18 BAIFA Operating Budget (BAIFA Resolution No. 16), subject to adoption.
Motion by Authority:	That the Executive Director or his designee is authorized to issue a purchase order to SSP Data to provide the services described above and in the Executive Director's memorandum dated June 21, 2017, and the Chief Financial Officer is authorized to set aside funds in the amount of \$300,000 for such purchase order, subject to budget adoption as specified above.
BATA Oversight Committee:	<hr/> Jake Mackenzie, Chair
Approved:	Date: June 28, 2017



Metropolitan Transportation Commission

375 Beale Street, Suite 800
San Francisco, CA 94105

Legislation Details (With Text)

File #: 17-2645 **Version:** 1 **Name:**
Type: Resolution **Status:** Authority Approval
File created: 5/17/2017 **In control:** Bay Area Infrastructure Financing Authority
On agenda: 6/28/2017 **Final action:**
Title: BAIFA Resolution No. 16 - FY 2017-18 Express Lanes Program Operating Budget

A request for the approval of BAIFA Resolution No. 16, the FY 2017-18 Operating Budget.

Sponsors:

Indexes:

Code sections:

Attachments: [3a BAIFA Reso-016 FY18 Op Budget.pdf](#)

Date	Ver.	Action By	Action	Result
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Subject:

BAIFA Resolution No. 16 - FY 2017-18 Express Lanes Program Operating Budget

A request for the approval of BAIFA Resolution No. 16, the FY 2017-18 Operating Budget.

Presenter:

Brian Mayhew

Recommended Action:

Authority Approval



Bay Area Infrastructure Financing Authority
Bay Area Metro Center
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TEL 415.778.6700
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Memorandum

TO: BAIFA

DATE: June 21, 2017

FR: Executive Director

W.I. 6840

RE: BAIFA Resolution No. 16 - FY 2017-18 Express Lanes Program Operating Budget

The FY 2017-18 budget is the first operating budget for the express lanes program. The I-680 Contra Costa Express Lanes between Walnut Creek and San Ramon and the backhaul communications network (Backhaul) are anticipated to be in operation for 10 months in FY 2017-18. To cover first year operating expenses of \$8.6 million, the FY 2017-18 budget anticipates using a combination of express lane toll revenue and funds previously set aside for this purpose in the BATA Express Lanes Capital Budget. The FY 2017-18 operating budget is shown in Attachment A.

General Toll Revenue - \$5.2 million

Staff is estimating a total of 1.2 million trips on the express lanes which will generate \$5.2 million in toll revenue in FY 2017-18. This is a rough estimate since it will be the first year of BAIFA revenue operations. Staff will be able to better estimate revenue in the future when there is some historical data.

Other Revenue/Transfers In - \$3.4 million

Violation Revenue – Staff is estimating \$0.5 million in revenue from toll violations. This is a conservative estimate based on the number of violations on the I-580 express lanes.

BATA Express Lanes Capital Funds Transfer In – In planning for Express Lane operations, staff anticipated a need to subsidize operating costs on this segment of I-680. As such, staff planned to cover up to three years from capital funds. To cover the balance of FY 2017-18 operating expenses, staff will allocate \$2.9 million in BATA Express Lanes Capital funds previously set aside for capitalized operations and maintenance in the Express Lanes Program Expenditure Plan (BAIFA Resolution No. 9). These funds will be transferred from the BATA Capital Budget to the FY 2017-18 BAIFA Operating Budget.

Operating Expense

Total cost for the I-680 Express Lanes operations, including operations of the Backhaul, is proposed to be \$8.6 million for FY 2017-18. Highlights of the FY 2017-18 budget include:

Express Lane and Backhaul Operations and Maintenance - \$6.6 million

FasTrak® Operations and Maintenance - \$1.8 million

- \$1.3 million for the FasTrak® Regional Customer Service Center (RCSC) operations. The RCSC will provide customer service, distribute toll tags, process violations, and collect tolls for the express lanes.
- \$240,000 for banking/credit card fees.
- \$225,000 for BATA financial services.

Express Lanes Operations and Maintenance - \$4.1 million

- \$4.1 million for daily express lanes operations and maintenance including: toll operators in the Regional Operations Center, enforcement by California Highway Patrol, maintenance by BAIFA's roadway contractor and Caltrans, and PG&E utility services.

Backhaul Operations and Maintenance - \$0.7 million

- \$0.7 million for Backhaul operations plus maintenance and utility services. Notably, BAIFA is unique among Bay Area express lanes in supporting a fiber communications network of this extent.

Express Lanes Administration - \$2.0 million

- \$2.0 million for staff support, insurance and financial audit costs.

Recommendation

Staff requests approval of the BAIFA Operating Budget for FY 2017-18, BAIFA Resolution No. 16.



Steve Heminger

SH:bm
Attachment A

Date: June 28, 2017
W.I.: 6840
Referred By: BAIFA

ABSTRACT

BAIFA Resolution No. 16

This resolution approves the Express Lanes Program Operating Budget for FY 2017-18 for the Bay Area Infrastructure Financing Authority (BAIFA).

Further discussion of the FY 2017-18 Express Lanes Program Operating Budget is contained in the Executive Director's Memorandum to BAIFA dated June 21, 2017.

Date: June 28, 2017
W.I.: 6840
Referred By: BAIFA

Re: Bay Area Infrastructure Financing Authority's Operating Budget for FY 2017-18

BAY AREA INFRASTRUCTURE FINANCING AUTHORITY
RESOLUTION NO. 16

WHEREAS, the Metropolitan Transportation Commission ("MTC") and the Bay Area Toll Authority ("BATA") have executed a joint exercise of powers agreement dated as of August 1, 2006, as amended, which created and established the Bay Area Infrastructure Financing Authority ("BAIFA"); and

WHEREAS, BAIFA staff has prepared a budget setting forth the anticipated revenues and expenditures of BAIFA for FY 2017-18; now, therefore, be it

RESOLVED, that BAIFA approves the FY 2017-18 Operating Budget prepared in accordance to generally accepted accounting principles attached hereto as Attachment A and incorporated herein as though set forth in full to be effective July 1, 2017, in the amounts and for the purposes listed therein; and be it further

RESOLVED, that the Executive Director or designee shall submit written requests to BAIFA for approval of funds to contract for applicable consultant and professional services; and, be it further

RESOLVED, that BAIFA's Executive Director and the Treasurer and Auditor are authorized to carry over all contracts and funds properly budgeted in the prior year for which expenditures were budgeted and encumbered which will take place in FY 2017-18, and to cover any operating cash-flow deficits from any available resource provided such cash-flow advances are repaid by the close of the fiscal year; and be it further

RESOLVED, that the BAIFA staff shall furnish BAIFA with at a minimum, a quarterly financial report to reflect budgeted and actual income, expenditures, obligations for professional and consultant services and such other information and data as may be requested by BAIFA.

BAY AREA INFRASTRUCTURE FINANCING
AUTHORITY

Jake Mackenzie, Chair

The above resolution was entered into by
the Bay Area Infrastructure Financing Authority
at a regular meeting of the Board held in San Francisco,
California on June 28, 2017.

Date: June 28, 2017
W.I.: 6840
Referred By: BAIFA

Attachment A
BAIFA Resolution No. 16

FY 2017-18 BAIFA Express Lanes Program Operating Budget



ATTACHMENT A
BAY AREA INFRASTRUCTURE FINANCING AUTHORITY
OPERATING BUDGET FY 2017-18

BAIFA Resolution No. 16

Date: June 28, 2017

W.I.: 6840

OPERATING REVENUE-EXPENSE SUMMARY

	Original Budget FY 2017-18
General Toll Revenue	\$5,200,000
Violation Revenue	\$500,000
Total Operating Revenue	\$ 5,700,000
Total Operating Expense	\$ 8,615,000
Total Transfers In/(Out)	\$ 2,915,000
Total Operating Surplus (Shortfall)	\$0

REVENUE DETAIL
BUDGET FY 2017-18

General Toll Revenue (subtotal)	\$5,200,000
CC-680 Toll Revenue	\$5,200,000
Violation Revenue (subtotal)	\$500,000
Other Revenue (Violations)	\$500,000
Transfers In	\$2,915,000
BATA Express Lanes Capital Funds	\$2,915,000
Total Current Year Revenue and Transfers In	\$ 8,615,000

EXPENSE DETAIL

BUDGET FY 2017-18

	Original Budget FY 20017-18
Operating Expense	
FasTrak Operations and Maintenance (Subtotal)	\$ 1,800,000
RCSC Operations	\$ 1,335,000
Banking/Credit Card Fees	240,000
Toll Collection Services	225,000
Express Lanes Operations and Maintenance (Subtotal)	\$ 4,130,000
Express Lane Toll Operators	\$ 799,000
California Highway Patrol Enforcement	320,000
Roadway Maintenance	700,000
Toll System Operations & Maintenance	1,916,000
Caltrans Express Lanes Operations & Maintenance	155,000
Utility Service	240,000
Backhaul Operations and Maintenance (Subtotal)	\$ 715,000
Roadway Maintenance	\$ 692,000
Utility Service	23,000
Express Lanes Operations and Maintenance Total	\$ 6,645,000
Express Lanes Administration (Subtotal)	\$ 1,970,000
Salaries and Benefits	\$ 1,001,000
Professional/Consultant Service	322,000
Other	558,000
Audit/Accounting/Other	30,000
Insurance	59,000
Total Operating Expense	\$ 8,615,000

Legislation Details (With Text)

File #:	17-2646	Version:	1	Name:	
Type:	Contract	Status:		Authority Approval	
File created:	5/17/2017	In control:		Bay Area Infrastructure Financing Authority	
On agenda:	6/28/2017	Final action:			

Title: I-880 Express Lanes
i. BAIFA Resolution No. 9, Revised - Express Lane Program Expenditure Plan

A recommendation to amend the Expenditure Plan based on updates to the I-880 Express Lanes project cost. The Expenditure Plan designates funds in the BATA Express Lanes Capital Budget for specific express lane corridor projects.

ii. Contract - I-880 Express Lanes Civil Construction: Flat Iron West (\$44,875,182 plus a contingency of \$10,739,546)

A request to approve a contract for civil construction services of the I-880 Express Lanes.

Sponsors:

Indexes:

Code sections:

Attachments: [3b BAIFA Reso-09 rev EL and I-880 EL.pdf](#)

Date	Ver.	Action By	Action	Result
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Subject:

I-880 Express Lanes

i. BAIFA Resolution No. 9, Revised - Express Lane Program Expenditure Plan

A recommendation to amend the Expenditure Plan based on updates to the I-880 Express Lanes project cost. The Expenditure Plan designates funds in the BATA Express Lanes Capital Budget for specific express lane corridor projects.

ii. Contract - I-880 Express Lanes Civil Construction: Flat Iron West (\$44,875,182 plus a contingency of \$10,739,546)

A request to approve a contract for civil construction services of the I-880 Express Lanes.

Presenter:

Lisa Klein

Recommended Action:

Authority Approval



Bay Area Infrastructure Financing Authority
Bay Area Metro Center
375 Beale Street, Suite 800
San Francisco, CA 94105
TEL 415.778.6700
WEB www.mtc.ca.gov

Memorandum

TO: BAIFA

DATE: June 21, 2017

FR: Executive Director

W. I. 6844

RE: I-880 Express Lanes

- i. BAIFA Resolution No. 9, Revised – Express Lane Program Expenditure Plan
- ii. Contract – I-880 Express Lanes Civil Construction: Flat Iron West (\$44,875,182 plus a contingency of \$10,739,546)

Staff seeks Authority approval to amend the Express Lane Program Expenditure Plan (Expenditure Plan) based on updates to the I-880 Express Lanes (Project). Staff also seeks approval for the Executive Director or his designee to award a contract for civil construction services to Flat Iron West (Flat Iron) in an amount not to exceed \$44,875,182 plus a contingency of \$10,739,546, subject to receipt of the construction permit from Caltrans, the approval of the Bay Area Toll Authority (BATA) FY 2017-18 budget, and amendment of the Expenditure Plan. Staff seeks approval to award to the second lowest bidder should the Flat Iron bid be found not responsive or Flat Iron found to be not responsible and to award to the third lowest bidder should the second lowest bid be found not responsive or the second lowest bidder be found to be not responsible.

Background

The Project will convert 51 miles of existing I-880 high-occupancy vehicle lanes to express lanes in Alameda County between Hegenberger Road/Lewelling Boulevard and the Santa Clara County Line. Civil roadway improvements include construction of new foundations for overhead signs, structures and lighting; installation of conduit, subsurface vaults and signs; reconstruction of median barriers; restriping freeway lanes; and paving to prevent pavement scarring. The Project also includes installation of fiber and connections to partner agency fiber and leased-line services for the backhaul communications network. In addition to the Project, Caltrans has secured separate funding for projects to replace the median barrier and to rehabilitate the pavement on I-880. To minimize the overall construction duration and impacts to the public, BAIFA agreed that Caltrans would install express lanes foundations as part of its median barrier replacement project (under construction since Spring 2016) and include express lanes paving in its paving project (to advertise later this year). This memorandum recommends award of the contract for the remaining civil construction work. Upon substantial completion of the civil work, BAIFA will install toll equipment under its existing Toll Systems Integrator Contract. The I-880 Express Lanes are projected to open in 2019. Caltrans has agreed to issue a construction permit prior to reaching an agreement with BAIFA on the terms of the Operations and Maintenance Agreement. The principal outstanding issue with the agreement is the cost-sharing formula for any needed reconstruction of the Express Lane in the future.

Expenditure Plan Modifications

In November 2016, subsequent to the last revision to the Expenditure Plan, staff revised the project scope to address new scope required by Caltrans for widening at access locations, lighting and overhead sign structures. At that time, staff reported a cost estimate of \$114,100,000 and advised that BAIFA might need to

adjust the expenditure plan based on the bids for the I-880 civil construction contract. In the past several months, staff updated the cost estimate to \$120,000,000 to reflect increased contingency for the backhaul communications network (based on lessons learned on I-680) and additional pavement work (based on agreement with Caltrans to avoid pavement scarring.) As described below, bids for the civil construction contract exceeded the engineer's estimate and staff recommends updating the Expenditure Plan, BAIFA Resolution No. 9, based on a revised cost estimate of \$132,466,000 for I-880.

To accommodate this cost increase, staff recommends adding \$23,891,000 to the Expenditure Plan, as shown in Attachment A. These funds have been in the BATA Express Lanes Capital Budget since it was established in FY 2013-14 but were previously not assigned within the Expenditure Plan. In addition, staff recommends transferring \$30,796,000 from Program Contingency to the I-880 Project, leaving a contingency of \$5,128,000. This remaining contingency is considerably lower than the \$18,100,000 estimated value of program risk in the most recent Quarterly Report. Staff plans to be diligent in managing cost and risk while seeking new funding opportunities.

Contractor Selection Process for I-880 Civil Construction Contract

BAIFA issued an Invitation for Bid (IFB) for I-880 Express Lanes Civil Construction on April 25, 2017 and held a bidders' conference on May 8, 2017. On June 13, 2017, three bids were received and opened at a public bid opening. Per the IFB, award, if made, shall be to the lowest responsible and responsive bidder factoring in the Small Business Enterprise (SBE) Bid Preference.

For bid comparison purposes, BAIFA's SBE Bid Preference grants a five percent discount to the total bid amount when certified SBE Prime Contractors perform at least forty percent of the work or when at least forty percent of the work is subcontracted to certified SBE firms. The use of a SBE Bid Preference does not alter the total amount of the bid submitted by a bidder or the contract executed. As set forth below, the five percent discount is applied to the Total Bid Amount (A) resulting in the SBE Bid Preference Amount (B), from which the Bid Rank (C) is determined.

Bidder	Location	Total Bid Amount (A)	SBE Bid Preference	Bid Amount with SBE Pref. (B)	Bid Rank (C)
Flat Iron West	Benicia, CA	\$44,875,182	Y	\$42,631,423	1
Bay Cities Paving & Grading	Concord, CA	\$43,934,898	N	\$43,934,898	2
DeSilva Gates Construction LP	Dublin, CA	\$44,700,777	N	\$44,700,777	3

All three bids are very close in price and are considerably higher than the engineer's estimate of \$35,300,000. The discrepancy is due largely to rapidly evolving market conditions, an environment not addressed well in the industry's standard process for developing the engineer's estimate. In the last several months demand for both public and private construction for electrical work and concrete, a large part of this contract, has grown quite rapidly. At the same time, the number of qualified firms specializing in electrical work has decreased. As such, staff does not see an opportunity to reduce costs by rebidding the contract.

Staff is requesting a contract contingency of \$8,975,036 (20% of the bid amount), to cover unknown project costs not in the scope of work, plus \$1,764,510 for supplemental work items, which are not in the scope of work but may be needed. The total contingency is \$10,739,546 for the top ranked bid. Attachment B includes a summary of Flat Iron and its project team's SBE and disadvantaged business enterprise status.

Recommendation

Staff recommends that the Authority i) Amend the Express Lane Program Expenditure Plan (BAIFA Resolution No. 9, Revised) based on updates to the Project and (ii) Authorize the Executive Director or his designee to, subject to receipt of the construction permit from Caltrans, the approval of the BATA FY 2017-18 budget, and amendment of the Expenditure Plan, award a contract for construction of the I-880 Express Lanes to:

- Flat Iron in an amount of \$44,875,182 and establish a contingency in the amount of \$10,739,546 to be used at the Executive Director or his designee's discretion for supplemental work items and changes not included in the scope of work;
- Bay Cities Paving & Grading in an amount of \$43,934,898 and establish a contingency in the amount of \$10,551,490 to be used at the Executive Director or his designee's discretion for supplemental work items and changes not included in the scope of work, in the event the bid from Flat Iron West is not responsive or that Flat Iron is determined not responsible; or
- DeSilva Gates Construction LP in an amount of \$44,700,777 and establish a contingency in the amount of \$10,704,665 to be used at the Executive Director or his designee's discretion for supplemental work items and changes not included in the scope of work, in the event the other two bids are not responsive or the bidders are determined not responsible.



Steve Heminger

SH: lk

Attachment

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Attachment A

Recommended Revisions to Express Lanes Program Expenditure Plan

Escalated dollars (rounded to 000s)

Costs include project capital and support as well as program policy, management and coordination

Line No.		Revised Expenditure Plan, December 2015 changes highlighted in yellow				Revised Expenditure Plan, June 2017 changes highlighted in yellow				Proposed Adjustment to BATA Express Lane Funds
		Cost	Regional Measure 2 (allocated)	BATA Express Lane Funds	Unmet Funding Need	Cost	Regional Measure 2 (allocated)	BATA Express Lane Funds	Unmet Funding Need	
	Conversions and Gap Closure Opportunity Projects (1)									
	Near-Term Conversions									
1	ALA-880	77,779		77,779	0	132,466		132,466	0	54,687
2	CC-680 Southern Segment	55,649		55,649	0	55,649		55,649	0	
3	CC-680 Northern Segment (Southbound HOV Completion and Conversion to Express Lanes) (2)	55,099	3,812	51,288	0	55,099	3,812	51,288	0	
4	SOL-80 (West and East segments combined) (3)	179,425	15,200	18,966	145,259	179,425	15,200	18,966	145,259	
5	Centralized Toll System Costs	33,574		33,574	0	33,574		33,574	0	
6	Program Costs: Planning, Coordination & Management	28,437		28,437	0	28,437		28,437	0	
7	Program Contingency	50,000		35,923	14,077	18,100		5,128	12,972	-30,796
8	Capitalized Start-up O&M (4)	16,000		16,000	0	16,000		16,000	0	
9	CC-680 Northbound Express Lane Completion (North Main Street to SR-242)	57,287			57,287	57,287			57,287	
	Future Conversions									
11	ALA/CC-80 and Westbound approaches to the Bay, San Mateo & Dumbarton Bridges	110,884	5,000	692	105,191	110,884	5,000	692	105,191	
12	CC-680 Northern Segment - Northbound Conversion	14,575	1,511		13,064	14,575	1,511		13,064	
13	Centralized & Program Costs& Start Up O&M - Gap Closures & Future Conversions	TBD				TBD			0	
14	Previously unallocated BATA Express Lanes Capital Budget funds			23,891						
	TOTAL	678,709	25,522	342,200	334,878	701,496	25,522	342,200	333,773	23,891

Notes (1) Other Gap Closure and Extension projects not shown: ALA-880 extension northbound from Lewelling to Hegenberger;

SOL-80 gap closure from Carquinez Bridge to Red Top Road; SOL-80 extension east of I-505; SOL-680 gap closure

(2) Represents the total for the HOV Completion and Conversion to Express Lanes, listed previously as two separate line items. The total cost represents BAIFA contribution toward the project and does not reflect other funds committed to the HOV Completion: Measure

(3) Represents the total for the West and East segments, listed previously as two separate projects. The project is funded through the design phase.

(4) A portion of the BAIFA funds will be transferred to the FY 2017-18 BAIFA Operating Budget for I-680 start up operations

Attachment B
Small and Disadvantaged Business Participation

Firm Name	Role on Project	DBE* Firm			SBE** Firm		
		Yes	If Yes, List #	No	Yes	If Yes, List #	No
Flat Iron West	General Contractor			X			X
OC Jones and Sons Inc	Subcontractor			X			X
Farwest Safety Inc	Subcontractor			X	X	6544	
Tennyson Electric Inc	Subcontractor			X	X	33555	
GreenVista Landscape	Subcontractor			X	X	41946	
Coral Construction	Subcontractor			X			X
Avar Construction	Subcontractor			X			X
Chrisp Company	Subcontractor			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.:	6844
Contractor:	Flat Iron West (Benicia, CA) or Bay Cities Paving & Grading (Concord, CA) or DeSilva Gates Construction LP (Dublin, CA)
Work Project Title:	I-880 Express Lanes Civil Construction Project
Purpose of Project:	Construction of I-880 Express Lanes.
Brief Scope of Work:	Convert the existing I-880 high-occupancy vehicle lanes to express lanes between the Santa Clara County line and the Hegenberger Road/Lewelling Boulevard interchanges in Alameda County.
Project Cost Not to Exceed:	<ul style="list-style-type: none">• \$44,875,182 plus a total contingency of \$10,739,546 (comprised of \$8,975,036 for unknown project costs and \$1,764,510 for supplemental work items, if needed) if Flat Iron West is awarded the contract or• \$43,934,898 plus a total contingency of \$10,551,490 (comprised of \$8,786,980 for unknown project costs and \$1,764,510 for supplemental work items, if needed) if Bay Cities Paving & Grading is awarded the contract• \$44,700,777 plus a total contingency of \$10,704,665 (comprised of \$8,940,155 for unknown project costs and \$1,764,510 for supplemental work items, if needed) if DeSilva Gates Construction LP is awarded the contract
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) and amendment of the Express Lane Program Expenditure Plan (BAIFA Resolution No. 9, Revised)
Motion by Authority:	<p>As described above and in the Executive Director's Memorandum dated June 21, 2017, that the Executive Director or his designee is authorized to award a contract for construction of the I-880 Express Lanes to:</p> <ul style="list-style-type: none">• Flat Iron West in an amount of \$44,875,182 and establish a contingency in the amount of \$10,739,546; or• Bay Cities Paving & Grading in an amount of \$43,934,898 and establish a contingency in the amount of \$10,551,490, in the event the bid from Flat Iron West is not responsive or Flat Iron West is determined not responsible; or• DeSilva Gates Construction LP in an amount of \$44,700,777 and establish a contingency in the amount of \$10,704,665, in the event the other two bids are not responsive or the other bidders are determined not responsible; and <p>That the Executive Director or his designee is authorized to use contingency funds at his discretion as described above and in the Executive Director's Memorandum dated June 21, 2017; and</p>

That the Chief Financial Officer is directed to set aside funds for such contract and contingency in the amounts stated herein, subject to approval of the FY 2017-18 BATA budget and amendment of the Express Lane Program Expenditure Plan.

BAIFA:

Jake Mackenzie, Chair

Approved:

Date: June 28, 2017

Date: June 24, 2015
W.I.: 6840
Referred by: BAIFA
Revised: 12/16/15-BAIFA
06/28/17-BAIFA

ABSTRACT

BAIFA Resolution No. 9, Revised

This resolution establishes an expenditure plan for the Express Lane Program funds in the BATA Capital Budget.

This resolution was revised on December 16, 2015 to shift funds from line items for Program Contingency and Centralized Toll System Costs to the line item for CC-680 Southern Segment in order to fully fund the Backhaul for the CC-680 Southern Segment express lane.

This resolution was revised on June 28, 2017 to add funds to the Expenditure Plan and shift funds from the line item for Program Contingency to the line item for the ALA-880 Express Lanes.

Discussion of this item can be found in the Executive Director's Memoranda to the Authority dated June 17, 2015, December 9, 2015 and June 21, 2017.

Date: June 24, 2015
W.I.: 6840
Referred by: BAIFA

RE: Express Lane Program Expenditure Plan

BAY AREA INFRASTRUCTURE FINANCING AUTHORITY
RESOLUTION NO. 9

WHEREAS, the Metropolitan Transportation Commission (“MTC”) and the Bay Area Toll Authority (“BATA”) have executed a joint exercise of powers agreement dated as of August 1, 2006, as amended, which creates and establishes the Bay Area Infrastructure Financing Authority (“BAIFA”); and

WHEREAS, the Metropolitan Transportation Commission (“MTC”) has requested that the Bay Area Infrastructure Financing Authority (“BAIFA”) assist MTC in the development, financing, and operation of high-occupancy toll lanes in MTC's jurisdiction; and

WHEREAS, the BATA Capital Budget and Long-Range Plan includes funding for Express Lanes projects; and

WHEREAS, BAIFA wishes to establish an Express Lane Program Expenditure Plan to direct such funding to Express Lanes projects on the I-80, I-680 and I-80 corridors in Alameda, Contra Costa, and Solano Counties, now; therefore, be it

RESOLVED, that BAIFA directs the available funding as shown in the Express Lane Program Expenditure Plan in Attachment A to implement express lanes on the I-80, I-680 and I-880 corridors in Alameda County, Contra Costa County and Solano County.

BAY AREA INFRASTRUCTURE FINANCING
AUTHORITY

Dave Cortese, Chair

The above resolution was entered into by
the Bay Area Infrastructure Financing Authority
at a regular meeting of the Authority held in
Oakland, June 24, 2015.

Date: June 24, 2015
W.I.: 6840
Referred by: BAIFA
Revised: 12/16/15-BAIFA
06/28/17-BAIFA

Attachment A
BAIFA Resolution No. 9
Page 1 of 1

Express Lane Program Expenditure Plan

Escalated dollars (rounded to 000s)

Costs include project capital and support as well as program poli

Line No.		Cost	Regional Measure 2 (allocated)	BATA Express Lane Funds	Unmet Funding Need
	Conversions and Gap Closure Opportunity Projects (1)				
	Near-Term Conversions				
1	ALA-880	132,466		132,466	0
2	CC-680 Southern Segment	55,649		55,649	0
3	CC-680 Northern Segment (Southbound HOV Completion and Conversion to Express Lanes) (2)	55,099	3,812	51,288	0
4	SOL-80 (West and East segments combined) (3)	179,425	15,200	18,966	145,259
5	Centralized Toll System Costs	33,574		33,574	0
6	Program Costs: Planning, Coordination &	28,437		28,437	0
7	Program Contingency	18,100		5,128	12,972
8	Capitalized Start-up O&M (4)	16,000		16,000	0
9	CC-680 Northbound Express Lane Completion (North Main Street to SR-242)	57,287			57,287
	Future Conversions				
11	ALA/CC-80 and Westbound approaches to the Bay, San Mateo & Dumbarton Bridges	110,884	5,000	692	105,191
12	CC-680 Northern Segment - Northbound Conversion	14,575	1,511		13,064
13	Centralized & Program Costs& Start Up O&M - Gap Closures & Future Conversions	TBD			0
	TOTAL	701,496	25,522	342,200	333,773

Notes (1) Other Gap Closure and Extension projects not shown: ALA-880 extension northbound from Lewelling to Hegenberger;

SOL-80 gap closure from Carquinez Bridge to Red Top Road; SOL-80 extension east of I-505; SOL-680 gap closure

(2) Represents the total for the HOV Completion and Conversion to Express Lanes, listed previously as two separate line items.

The total cost represents BAIFA contribution toward the project and does not reflect other funds committed to the HOV Completion: Measure J (\$37M), RM2 (\$13M), STIP (\$16M)

(3) Represents the total for the West and East segments, listed previously as two separate projects.

The project is funded through the design phase.

(4) A portion of the BAIFA funds will be transferred to the FY 2017-18 BAIFA Operating Budget for I-680 start up operations.

Legislation Details (With Text)

File #:	17-2692	Version:	1	Name:	
Type:	Contract	Status:		Authority Approval	
File created:	6/7/2017	In control:		Bay Area Infrastructure Financing Authority	
On agenda:	6/28/2017	Final action:			
Title:	Contract Amendment - On-Call Design Services: Regional Express Lane Network: I-880 Plans, Specifications and Estimate and Design Support Services: HDR Engineering, Inc. (\$817,700)				
	Recommendation to approve a contract amendment for design services during construction of the civil elements of the I-880 Express Lanes.				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	3c Contract Amendment HDR 880 PS&E.pdf				

Date	Ver.	Action By	Action	Result
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Subject:

Contract Amendment - On-Call Design Services: Regional Express Lane Network: I-880 Plans, Specifications and Estimate and Design Support Services: HDR Engineering, Inc. (\$817,700)

Recommendation to approve a contract amendment for design services during construction of the civil elements of the I-880 Express Lanes.

Presenter:

Peter Lee

Recommended Action:

Authority Approval



Bay Area Infrastructure Financing Authority
Bay Area Metro Center
375 Beale Street, Suite 800
San Francisco, CA 94105
TEL 415.778.6700
WEB www.mtc.ca.gov

Memorandum

TO: BAIFA

DATE: June 21, 2017

FR: Executive Director

W. I. 6845

RE: Contract Amendment – On-Call Design Services: Regional Express Lane Network: I-880 Plans, Specifications and Estimate and Design Support Services: HDR Engineering, Inc. (\$817,700)

This memorandum seeks approval from the Authority to amend a contract with HDR Engineering, Inc. (HDR) in an amount not to exceed \$817,700 for design services during construction of the I-880 Express Lanes (Project), subject to the approval of the FY 2017-18 Bay Area Toll Authority (BATA) budget and the amendment of the Express Lane Program Expenditure Plan.

Background

The Project will convert 51 miles of existing I-880 high-occupancy vehicle lanes to express lanes in Alameda County between Hegenberger Road/Lewelling Boulevard and the Santa Clara County Line. Civil roadway improvements include construction of new foundations for overhead signs, structures and lighting; installation of conduit, subsurface vaults and signs; reconstruction of median barriers; restriping freeway lanes; and paving to prevent pavement scarring. The Project also includes installation of fiber and connections to partner agency fiber and leased-line services for the backhaul communications network (Backhaul). In addition to the Project, Caltrans has secured separate funding for projects to replace the median barrier and to rehabilitate the pavement on I-880. To minimize the overall construction duration and impacts to the public, BAIFA and Caltrans have agreed Caltrans will install express lanes foundations as part of its median barrier replacement project (under construction since Spring 2016) and will include express lanes paving in its paving project (to advertise later this year). Under a separate item on the June BAIFA agenda, staff is recommending BAIFA award a contract for construction of the remaining civil work. Upon substantial completion of the civil work, BAIFA will install toll equipment under its existing Toll Systems Integrator Contract with Transcore ICP. The I-880 Express Lanes are projected to open in 2019.

In January 2014, after a competitive procurement, the BATA Oversight Committee authorized eight firms to provide on-call construction design services. The Request for Qualifications (RFQ) allowed selected consultants to work not only for BATA but also for BATA's affiliated agencies, including BAIFA. The RFQ specified the lead agency could directly assign work to a particular firm based on expertise and availability or could conduct informal solicitations among qualified firms to assign the work. BAIFA authorized the current contract to HDR for \$7,000,000

following a competitive procurement from the on-call design services bench. HDR has completed Plans, Specifications and Estimates (PS&E) for the Express Lanes elements in the Caltrans median barrier contract as well as the Express Lanes civil contract. HDR's scope also includes providing design services during construction for both contracts.

This amendment would:

- 1) Replenish the funds available in the contract for design services during construction
While the decision to construct some Express Lanes civil elements in the Caltrans median barrier and paving contracts will reduce the impact of construction on the driving public, it also increased the cost for coordination during design. In addition, Caltrans required substantial modifications to the plans and permit application. Caltrans provided new comments on the Final PS&E submittal, thus requiring an additional round of comment resolution, re-design and multiple resubmittals. As a result, HDR expended approximately \$300,000 of the budget that had been reserved for design services during construction.
- 2) Provide funding for design services during construction for the Backhaul in the I-880 corridor, which is included in the I-880 Express Lanes civil construction contract. BAIFA staff initially expected to issue separate contracts for construction of the Backhaul in each corridor. However, based on the experience of the I-680 Backhaul design and construction, staff elected in 2016 to integrate Backhaul construction along I-880 into the Express Lanes civil construction contract. Design services for the Backhaul have been provided by Atkins North America, Inc. (Atkins) under the Toll System Manager contract, which expires in December 2017. Since the Backhaul and Express Lanes civil work will be performed under a single contract, it is more effective to have all design services during construction under a single contract. This amendment would allow Atkins to provide design services during construction for the Backhaul as a sub-contractor to HDR. The budget for this work is \$510,000.

The funds for this work are subject to approval of the proposed revision to the Express Lane Program Expenditure Plan, BAIFA Resolution No. 9, Revised addressed in a separate item on the June BAIFA agenda. Attachment A includes a summary of HDR 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 amendment with HDR in an amount not to exceed \$817,700 for the work specified herein, subject to approval of the BATA FY 2017-18 budget and amendment of the Express Lane Program Expenditure Plan.



Steve Heminger

SH: lk

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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
HDR Engineering, Inc.	Prime			X			X
Kimley Horn and Associates, Inc.	Electrical, Sign Structures and Traffic Handling			X			X
WRECO	Drainage, Storm water	X	30066		X	60800	
Parikh Consultants, Inc.	Geotechnical	X	20259		X	9631	
Haygood Associates, Inc.	Landscape	X	3171				X
Atkins North America, Inc.	Backhaul Electrical			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 Amendment

Work Item No.:	6844
Contractor:	HDR Engineering, Inc., Oakland, CA
Work Project Title:	On-Call Project Design Services: I-880 Express Lanes Project
Purpose of Project:	To complete plans, specifications and estimates and design support during construction for the I-880 Express Lanes Project.
Brief Scope of Work:	Perform design services and design support during construction in accordance with BAIFA and Caltrans standard guidelines for the I-880 Express Lanes Project.
Project Cost Not to Exceed:	\$817,700 this amendment Total authorized before this amendment: \$7,000,000 Total authorized with this amendment: \$7,817,700
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) and amendment of the Express Lane Program Expenditure Plan (BAIFA Resolution No. 9, Revised).
Motion by Authority:	That the Executive Director or his designee is authorized to negotiate and enter into a contract amendment with HDR Engineering, Inc. in an amount not to exceed \$817,700 for the 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 \$817,700 for such contract amendment, subject to budget adoption and the amendment of the Express Lane Program Expenditure Plan as specified above.
BAIFA:	<hr/> Jake Mackenzie, Chair
Approved:	Date: June 28, 2017