



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

Meeting Agenda

Bay Area Infrastructure Financing Authority Network and Operations Committee

Sue Noack, Chair

Mitch Mashburn, Vice Chair

Friday, May 8, 2026

9:35 AM

Board Room - 1st Floor

This meeting shall consist of a simultaneous teleconference call at the following location(s):
District Office of Supervisor Mashburn, 675 Texas Street, District 5 Office 6025,
Fairfield, CA 94533

Meeting attendees may opt to attend in person for public comment and observation at 375 Beale Street, Board Room (1st Floor). In-person attendees must adhere to posted public health protocols while in the building. The meeting webcast will be available at <https://mtc.ca.gov/whats-happening/meetings/live-webcasts>. Members of the public are encouraged to participate remotely via Zoom at the following link or phone number. Members of the public participating by Zoom wishing to speak should use the "raise hand" feature or dial *9. When called upon, unmute yourself or dial *6. In order to get the full Zoom experience, please make sure your application is up to date.

Attendee Link: <https://bayareametro.zoom.us/j/84914805496>

iPhone One-Tap: US: +16699006833,,84914805496#

Join by Telephone (for higher quality, dial a number based on your current location) US:
888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)

Webinar ID: 849 1480 5496

International numbers available: <https://bayareametro.zoom.us/u/kxzg11P2x>

All standing committee meeting agendas may also be accessed on

- MTC's website here: <https://mtc.ca.gov/meetings-events>

- On Legistar here: <https://mtc.legistar.com/Calendar.aspx>

Detailed instructions on participating via Zoom are available at:

<https://bayareametro.zoom.us/u/kdR1hznEgA>

<https://mtc.ca.gov/how-provide-public-comment-board-meeting-zoom>

Members of the public may participate by phone or Zoom or may submit comments by email at info@bayareametro.gov by 5:00 p.m. the day before the scheduled meeting date. Please include the committee or board meeting name and agenda item number in the subject line. All comments received will be submitted into the record.

Clerk: Martha Silver

Roster

David Ambuehl*, Candace Andersen, Noelia Corzo, Marilyn Ezzy Ashcraft, Alicia John-Baptiste,
Mitch Mashburn (Vice Chair), and Sue Noack (Chair)

*Non-Voting Member

1. Call to Order / Roll Call / Confirm Quorum

A quorum of the Authority shall be a majority of its voting members (4).

2. Pledge of Allegiance / Acknowledgement of the Flag

3. Compensation Announcement (Clerk)

4. Consent Calendar

4a. [26-0422](#) Approval of the Minutes of the April 10, 2026 Meeting

Action: Committee Approval

Attachments: [4a 26-0422 2026-04-10_BAIFA_Network_and_Ops_Draft_Minutes.pdf](#)

4b. [26-0455](#) Purchase Orders - Services for Express Lanes Backhaul Network: i. Network Consulting Services: SSP Data (\$1,050,000), and ii. Telecommunication Services: AT&T (\$303,000)

Action:
i. Committee Approval
ii. Committee Approval

Presenter: Wilfred Poon

Attachments: [4b 26-0455 Summary Sheet Purchase Orders-Services for Express Lanes](#)

5. Action

5a. [26-0502](#) Bay Area Infrastructure Financing Authority Resolution No. 52 Revised. BAIFA Express Lanes 10-Year Financial Plan

Request for approval of BAIFA Resolution No. 52, Revised, amending the BAIFA Express Lanes Program 10-Year Financial Plan for Fiscal Years (FY) 2023-24 to FY 2032-33.

Action: Authority Approval

Presenter: Stephen Wolf

Attachments: [5ai 26_0502_Summary_Sheet_BAIFA_Reso_52_Revised.pdf](#)
[5aii 26_0502_TEMP-BAIFA-RES-0052.pdf](#)

6. Public Comment / Other Business

*Members of the public participating by Zoom wishing to speak should use the “raise hand” feature or dial *9. When called upon, unmute yourself or dial *6.*

7. Adjournment / Next Meetings

The next meeting of the Bay Area Infrastructure Financing Authority Network and Operations Committee will be held on Friday, June 12, 2026 at 9:35 a.m. at the Bay Area Metro Center, 375 Beale Street, San Francisco, CA. Any changes to the schedule will be duly noticed to the public.

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.



Metropolitan Transportation Commission

Legislation Text

375 Beale Street, Suite 800
San Francisco, CA 94105

File #: 26-0422, **Version:** 1

Subject:
Approval of the Minutes of the April 10, 2026 Meeting

Recommended Action:
Committee Approval

Attachments:



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

Meeting Minutes - Draft

Bay Area Infrastructure Financing Authority Network and Operations Committee

Sue Noack, Chair
Mitch Mashburn, Vice Chair

Friday, April 10, 2026

9:35 AM

Board Room - 1st Floor

Roster

David Ambuehl*, Candace Andersen, Noelia Corzo, Marilyn Ezzy Ashcraft, Alicia John-Baptiste, Mitch Mashburn (Vice Chair), and Sue Noack (Chair)

***Non-Voting Member**

Chair Sue Noack called the meeting to order at 9:36 a.m.

1. Call to Order / Roll Call / Confirm Quorum

Present: 5 - Chair Noack, Committee Member Andersen, Committee Member Corzo, Committee Member Ashcraft and Committee Member John-Baptiste

Absent: 1 - Vice Chair Mashburn

Non-Voting Member Absent: David Ambuehl

Ex Officio Voting Member Present: Commission Chair Noack

Ad Hoc Non-Voting Member Present: Commissioner Ahn, Commissioner Burt, and Commissioner Papan.

The following noticed remote location was open to the public: 1516 Kamole Street, Honolulu, Hawaii 96821 – Andersen

The following individual participated from a noticed remote location: Commissioner Andersen

2. Pledge of Allegiance / Acknowledgement of the Flag

3. Compensation Announcement (Clerk)

4. Consent Calendar

Upon the motion by Committee Member Corzo and second by Committee Member Ashcraft, the Consent Calendar was unanimously approved. The motion carried by the following vote:

Aye: 5 - Chair Noack, Committee Member Andersen, Committee Member Corzo, Committee Member Ashcraft and Committee Member John-Baptiste

Absent: 1 - Vice Chair Mashburn

- 4a.** [26-0175](#) Approval of the Minutes of the February 13, 2026 Meeting
 Action: Committee Approval
 Attachments: [4a_26-0175_2026-02-13_BAIFA_Network_and_Ops_Draft_Minutes.pdf](#)
- 4b.** [26-0333](#) Bay Area Infrastructure Financing Authority (BAIFA) Express Lanes
 Quarterly Report: Annual Year Fourth Quarter (October - December 2025)
 Action: Information
 Presenter: Barbara Laurenson
 Attachments: [4bi_26-0333_Summary_Sheet_Q4_2025_Express_Lanes_Operations_Report.pdf](#)
 [4bii_26-0333_Powerpoint_Q4_2025_BAIFA_Express_Lanes_Operations_Report.pdf](#)
- 4c.** [26-0176](#) Fiscal Year (FY) 2025-26 Bay Area Infrastructure Financing Authority
 (BAIFA) Statement of Revenues and Expenses for the Period Ended
 December 31, 2025 (Unaudited)
 Action: Information
 Presenter: Grace Martinez
 Attachments: [4ci_26-0176_Summary_Sheet_BAIFA_FY2025-26_Q2_MFR.pdf](#)
 [4cii_26-0176_Attachment_A_BAIFA_FY_2025-26_Q2_MFR.pdf](#)

5. Public Comment / Other Business**6. Adjournment / Next Meetings**

The next meeting of the Bay Area Infrastructure Financing Authority Network and Operations Committee will be held on Friday, May 8, 2026 at 9:35 a.m. at the Bay Area Metro Center, 375 Beale Street, San Francisco, CA. Any changes to the schedule will be duly noticed to the public.

Chair Sue Noack adjourned the meeting at 9:40 a.m.



Metropolitan Transportation Commission

Legislation Text

375 Beale Street, Suite 800
San Francisco, CA 94105

File #: 26-0455, **Version:** 1

Subject:

Purchase Orders - Services for Express Lanes Backhaul Network: i. Network Consulting Services: SSP Data (\$1,050,000), and ii. Telecommunication Services: AT&T (\$303,000)

Presenter:

Wilfred Poon

Recommended Action:

- i. Committee Approval
- ii. Committee Approval

Attachments:

Bay Area Infrastructure Financing Authority
Network and Operations Committee

May 8, 2026

Agenda Item 4b – 26-0455

Purchase Orders - Services for Express Lanes Backhaul Network: i. Network Consulting Services: SSP Data (\$1,050,000), and ii. Telecommunication Services: AT&T (\$303,000)

Subject:

Request for Committee approval of two purchase orders for consulting and telecommunication services in support of the BAIFA Express Lanes Network operations on Interstate 680 (I-680), Interstate 880 (I-880), Interstate 80 (I-80), and the San Mateo County Express Lanes Joint Powers Authority (SMCEL-JPA) express lanes operations on US 101. Each vendor will be procured using a collaborative intergovernmental procurement agreement (IPA), which satisfies BAIFA's procurement requirements, subject to the approval of the BAIFA Fiscal Year (FY) 2026-27 operating budgets.

Background:

The Express Lanes Backhaul Network (Backhaul) is a metropolitan area network established to support BAIFA Express Lanes tolling operations, facilitating the transfer of data such as toll tag information, license plate images, and video feeds. It connects individual express lanes corridors to the toll system hosts and regional operation data centers located in San Francisco, Martinez, and Oakland. The Backhaul began operations in October 2017 in support of BAIFA's I-680 Express Lanes in Contra Costa County between Martinez and San Ramon and has expanded to support the I-880 Express Lanes in Alameda County between Oakland and Fremont, the I-80 Express Lanes in Solano County from Fairfield to Vacaville, and SMCEL-JPA's Express Lanes on US 101 between Palo Alto and Interstate 380.

The Backhaul leverages existing communications infrastructure owned by Caltrans, Bay Area Rapid Transit (BART), and City of Fremont and has been designed to accommodate future transportation related use by Caltrans, MTC, and the Bay Area Toll Authority (BATA). These two contracts before the committee are BAIFA's annual costs for telecommunications services and backhaul operations.

Network Consulting Services – SSP Data (\$1,050,000):

BAIFA manages the Backhaul network and requires network engineering expertise and field resources to assist agency staff. Services provided by specialized consultant staff are critical for maintaining the I-680, I-880, I-80, and US 101 Express Lanes operations. The purchase order will be procured from SSP Data through a National Cooperative Purchasing Agreement (NCPA) IPA in compliance with agency procurement policies.

Telecommunication Services – AT&T (\$303,000):

The existing communication links between the express lanes corridors and data centers leverage AT&T leased-line services for both primary and redundant secondary links in the Backhaul. The purchase order will be procured from AT&T through the state of California’s CalNet NextGen IPA, also in compliance with agency procurement policies.

Attachment A includes a summary of SSP Data’s small business enterprise status. AT&T is not a small business enterprise and does not utilize subcontractors for its services.

Issues:

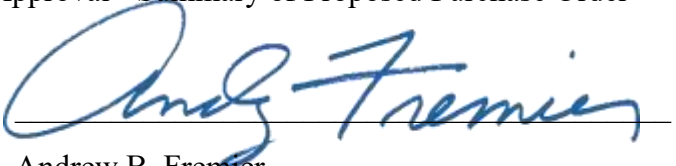
None identified.

Recommendations:

- i. Staff recommends that the Committee authorize the Executive Director or designee to issue a purchase order for services in support of the BAIFA and SMCEL-JPA Express Lanes Networks in an amount not to exceed \$1,050,000 to SSP Data for network consulting services, subject to the approval of the BAIFA FY 2026-2027 operating budget
- ii. Staff recommends that the Committee authorize the Executive Director or designee to issue a purchase order for services in support of the BAIFA and SMCEL-JPA Express Lanes Networks in an amount not to exceed \$303,000 to AT&T for telecommunication services, subject to the approval of the BAIFA FY 2026-2027 operating Budgets.

Attachments:

- Attachment A: SSP Data Small Business Enterprise Status;
- Attachment B: Request for Committee Approval - Summary of Proposed Purchase Order (SSP Data)
- Attachment C: Request for Committee Approval - Summary of Proposed Purchase Order (AT&T)



Andrew B. Fremier

Small Business Enterprise Status

	Firm Name	Role on Project	SBE** Yes / No	If SBE Yes, List #
Prime Contractor	SSP Data	Network Consulting Services	Yes	56663

Footnote:

**Denotes certification by the State of California.

Request for Committee Approval

Summary of Proposed Purchase Order

Work Item No.: 6861, 6863, 6864, 6865

Consultant: SSP Data
Richmond, CA

Work Project Title: Express Lanes Backhaul Communications Network

Purpose of Project: Installation, operation, and maintenance of Backhaul Communications Network in support of the BAIFA and SMCEL-JPA Express Lanes

Brief Scope of Work: Provide network consulting services for the Backhaul Communications Network

Project Cost Not to Exceed: \$1,050,000

Funding Source: BAIFA Express Lanes Program Operating Budget

Fiscal Impact: Funding is subject to adoption of the FY 2026-27 BAIFA Operating and Capital Budgets

Motion by Committee: That the Executive Director or designee is authorized to issue a purchase order to SSP Data for services described above and in the BAIFA Network and Operations Committee Summary Sheet dated May 8, 2026, and the Chief Financial Officer is authorized to set aside \$1,050,000 for such purchase order, subject to approval of the FY 2026-27 BAIFA Operating and Capital Budgets.

BAIFA Network and
Operations Committee:

Sue Noack, Chair

Approved: May 8, 2026

Request for Committee Approval

Summary of Proposed Purchase Order

Work Item No.: 6861, 6863, 6864, 6865

Vendor: AT&T
Aurora, IL

Work Project Title: Express Lanes Backhaul Communications Network

Purpose of Project: Installation, operation, and maintenance of Backhaul Communications Network in support of the BAIFA and SMCEL-JPA Express Lanes

Brief Scope of Work: Provide telecommunication services for the Backhaul Communications Network

Project Cost Not to Exceed: \$303,000

Funding Source: BAIFA Express Lanes Program Operating and Capital Budget

Fiscal Impact: Funding is subject to adoption of the FY 2026-27 BAIFA Operating and Capital Budgets

Motion by Committee: That the Executive Director or designee is authorized to issue a purchase order to AT&T for services described above and in the BAIFA Network and Operations Committee Summary Sheet dated May 8, 2026, and the Chief Financial Officer is authorized to set aside \$303,000 for such purchase order, subject to approval of the FY 2026-27 BAIFA Operating Budget.

BAIFA Network and
Operations Committee:

Sue Noack, Chair

Approved: May 8, 2026



Metropolitan Transportation Commission

Legislation Text

375 Beale Street, Suite 800
San Francisco, CA 94105

File #: 26-0502, **Version:** 1

Subject:

Bay Area Infrastructure Financing Authority Resolution No. 52 Revised. BAIFA Express Lanes 10-Year Financial Plan

Request for approval of BAIFA Resolution No. 52, Revised, amending the BAIFA Express Lanes Program 10-Year Financial Plan for Fiscal Years (FY) 2023-24 to FY 2032-33.

Presenter:

Stephen Wolf

Recommended Action:

Authority Approval

Attachments:

**Bay Area Infrastructure Financing Authority
Network and Operations Committee**

May 8, 2026

Agenda Item 5a – 26-0502

**Bay Area Infrastructure Financing Authority Resolution No. 52 Revised. BAIFA Express
Lanes 10-Year Financial Plan**

Subject:

Request for approval of BAIFA Resolution No. 52, Revised, amending the BAIFA Express Lanes Program 10-Year Financial Plan for Fiscal Years (FY) 2023-24 to FY 2032-33.

Background:

In March 2024, BAIFA adopted a 10-year financial plan (FY 2023-24 through FY 2032-33) for BAIFA’s express lanes network, outlining projected revenues and expenditures needed to operate, maintain, preserve, and rehabilitate the system. The plan incorporates historical data and forward-looking assumptions on toll revenues, operating costs, and capital needs, and is intended as a planning tool rather than a formal budget, allowing for updates as projections evolve. It supports long-term financial sustainability of the expanding express lanes network while informing policy decisions on reserves, system growth, and investment priorities.

Staff is preparing a 2026 update to the financial plan that it intends to bring to BAIFA in the fall; the update will extend the financial plan two years to FY 2034-35 and update assumptions on revenue and costs. While that work is underway, today’s item recommends two changes to the existing financial plan to establish contributions to two BAIFA network projects underway, as called out in Attachment A of Attachment A, BAIFA Resolution No. 52, Revised:

1. Additional \$5 million in FY 2027-28 for the Contra Costa Interstate 680 (I-680) Northbound Express Lane Completion Project.
2. \$2 million in FY 2026-27 for Solano Interstate 80 (I-80) Express Lanes: Interstate 505 (I-505) to Yolo County Preliminary Study.

The enterprise nature of the BAIFA’s express lane network and continued driver demand gives BAIFA the financial capacity to add these expenses, drawing from its unrestricted reserve in the BAIFA operating fund, which held \$37.9 million as of June 30, 2025.

Contra Costa I-680

Phase 1 of the Contra Costa I-680 Express Lane Completion Project is a \$238 million project that adds an express lane from north of State Route 24 to Arthur Road in Martinez. Contra Costa Transportation Authority (CCTA), the project sponsor, expects to select a Progressive Design-Build contractor in 2027.

In April 2026, MTC adopted MTC Resolution No. 4011, Revised, programmed the remaining \$60 million of the \$300 million Regional Measure 3 (RM 3) Express Lanes Program. \$50 million was programmed for CCTA’s project. The other \$10 million was programmed to Santa Clara Valley Transportation Authority’s U.S. 101 Phase 5 express lanes project, which extends express lanes from State Route 85 south to Interstate 880. MTC also adopted MTC Resolution No. 4759, Revised, which allocated \$34.9 million to CCTA to fund design/construction work.

BAIFA’s Express Lanes 10-Year Financial Plan adopted by the Authority in 2024 includes \$20 million for the CCTA’s project in FY 2026-27. With the RM 3 investment of \$50 million, CCTA has a remaining \$16 million funding need. BAIFA has the financial capacity to increase its contribution of express lanes revenue by \$5 million to help close the \$16 million gap. As a condition of the RM3 programming, CCTA will cover the remaining \$11 million funding need and the cost of the vehicle miles traveled mitigation for construction of Phase 1 of the project.

Solano I-80

The I-80 express lanes from Fairfield to Vacaville started operations in December 2025. In July 2025, this Committee approved a three-year pilot of weekend operations. Staff noted in its memo to the Committee the Solano Transportation Authority’s (STA) letter of support was contingent on funding for a Project Improvement Document for the express lane gap closure that will exist between I-505 and the Yolo County line after the express lanes under construction in Yolo County open in 2028. Staff proposes designating \$2 million in the financial plan in FY 2026-27 to help fund studies, which will provide a better understanding of the purpose and need for a project and begin to define alternatives.

Next Steps

Following approval of this item, staff will include work with CCTA and STA staff to determine the amount to include in BAIFA's FY 2026-27 budget, which will be presented to the Authority for adoption in June. Staff will then work with partner agency staff on developing cooperative agreements for the transfer of funds.

Issues:

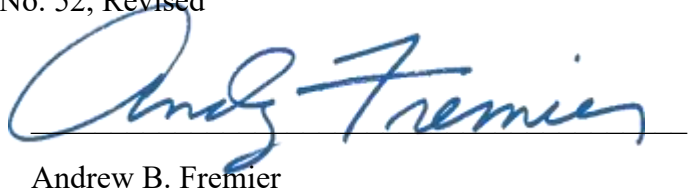
None identified.

Recommendations:

Refer BAIFA Resolution No. 52, Revised to the Authority for approval.

Attachments:

- Attachment A: BAIFA Resolution No. 52, Revised



Andrew B. Fremier

Date: March 27, 2024
W.I.: 6840, 6861
Referred by: BAIFA Network and
Operations
Revised: 5/27/26

ABSTRACT

BAIFA Resolution No. 52, Revised

This resolution adopts the BAIFA Express Lanes 10-Year Financial Plan for FY 2023-24 to FY 2032-33.

Further discussion of the BAIFA Operating and Capital Budgets is contained in BAIFA Network and Operations Committee's Summary Sheet dated March 8, 2024.

The resolution was revised May 27, 2026 to amend Attachment A.

Date: March 28, 2024
W.I.: 6840, 6861
Referred by: BAIFA Network and
Operations

Re: Bay Area Infrastructure Financing Authority Express Lanes 10-Year Financial Plan for Fiscal Years 2023-24 to 2032-33

BAY AREA INFRASTRUCTURE FINANCING AUTHORITY
RESOLUTION NO. 52

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 10-year Financial Plan setting forth the anticipated revenues and expenditures of BAIFA for FY 2023-24 to 2032-33; now, therefore, be it

WHEREAS, the adoption of the Express Lanes 10-Year Financial Plan is not a budgetary action; and

WHEREAS, the final draft Express Lanes 10-Year Financial Plan was reviewed and recommended by the BAIFA Network and Operations Committee for approval; now, therefore, be it

RESOLVED, that BAIFA approves the Express Lanes 10-Year Financial Plan for Fiscal Years 2023-24 to 2032-33 attached hereto as Attachment A and incorporated herein as though set forth in length; and, be it further

RESOLVED, that the Executive Director or designee or Chief Financial Officer may approve adjustments to the Express Lanes 10-Year Financial Plan for FY 2023-24 to 2032-33 to improve the accuracy of the project information upon better revenue projections, cost estimates or schedule information, provided that there shall be no increase in the overall annual BAIFA operating or capital budget without prior approval of BAIFA.

BAY AREA INFRASTRUCTURE FINANCING
AUTHORITY

A handwritten signature in black ink, consisting of a stylized 'A' followed by a long horizontal stroke.

Alfredo Pedroza, 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 and at other remote locations, on March 27, 2024.

Date: March 27, 2024
W.I.: 6840, 6861
Referred by: BAIFA

Attachment A
BAIFA Resolution No. 52

Bay Area Infrastructure Financing Authority (BAIFA)
Express Lanes 10-Year Financial Plan for FY 2023-24 to 2032-33

Express Lane Network Fiscal Year		Budget		Forecast								
		FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
<u>Total</u> (FY 24-33)												
Operating Revenues			0.06	0.03	0.20	0.17	0.03	0.03	0.03	0.03	0.03	0.03
Adjusted Gross Toll Revenue	805,226	56,000	59,104	66,905	77,088	79,759	81,760	83,811	85,913	88,068	90,277	92,542
Adjusted Gross Violation Revenue	106,708	7,150	7,570	7,760	9,328	10,868	11,141	11,421	11,707	12,001	12,302	12,610
Interest and Other Revenue	28,620	423	3,716	2,213	2,574	2,665	2,732	2,800	2,870	2,942	3,016	3,092
ACTC Billing Revenue	-	-	-	-	-	-	-	-	-	-	-	-
Total Adjusted Operating Revenue	940,554	63,573	70,390	76,878	88,990	93,292	95,632	98,031	100,490	103,011	105,595	108,244
Operating Costs												
<u>Variable Operating Costs</u>												
Total Variable Costs	217,481	10,787	13,372	16,129	19,811	20,966	21,911	22,899	23,931	25,010	26,137	27,316
<u>Fixed Operating Costs</u>												
Total Fixed Costs	257,711	15,129	15,123	19,177	24,461	25,699	26,557	27,444	28,360	29,307	30,286	31,297
Total Operating Costs	475,192	25,916	28,496	35,306	44,272	46,664	48,468	50,342	52,291	54,317	56,424	58,613
Operating Surplus (Deficit)												
Operating Surplus (Deficit)	465,361	37,657	41,895	41,572	44,718	46,628	47,165	47,689	48,199	48,694	49,171	49,630
Required Rehabilitation & Replacement (R&R) Costs												
<u>Toll System</u>												
Total Toll System R&R Costs	217,519	550	8,000	19,683	35,806	14,878	33,647	19,207	9,716	11,438	39,924	25,220
<u>Backhaul Network Infrastructure</u>												
Total Backhaul Network Infrastructure Costs	9,692	-	73	2,348	933	225	237	1,080	98	3,146	1,250	302
<u>Civil I (LED Luminaires, Markings, etc.)</u>												
Total Civil I Costs	33,971	-	-	3,983	-	175	10,224	-	-	10,970	5,804	2,815
<u>Civil II (Barrier and Pavement Replacement)</u>												
Total Civil II Costs	82,855	9,700	13,470	-	365	4,844	13,210	1,541	14,563	1,699	17,608	15,556
<u>Express Lane Improvements</u>												
Total Express Lane Improvement Costs	7,003	1,160	622	-	-	-	6,381	-	-	-	-	-
Total R&R Costs	351,040	11,410	22,165	26,015	37,103	20,122	63,699	21,828	24,377	27,253	64,585	43,893
<u>Other Capital Projects</u>												
Contra Costa I-680 Northbound EL Completion	25,000	-	-	-	20,000	5,000	-	-	-	-	-	-
Solano I-80 EL: I-505 to Yolo Co. Preliminary Study	2,000	-	-	-	-	2,000	-	-	-	-	-	-
Total Other Capital Projects Costs	27,000	-	-	-	20,000	7,000	-	-	-	-	-	-
Total R&R Costs	378,040	11,410	22,165	26,015	57,103	27,122	63,699	21,828	24,377	27,253	64,585	43,893
Facility Net Revenue												
<u>Express Lane Network (before CapEx)</u>												
Net Revenue In (Out)	82,322	26,247	19,730	15,558	(17,385)	19,506	(16,534)	25,861	23,822	21,440	(15,414)	5,737
Net Revenue Beginning Balance		74,277	100,524	120,254	135,812	118,426	137,933	121,399	147,260	171,082	192,523	177,109
Net Revenue Ending Balance		100,524	120,254	135,812	118,426	137,933	121,399	147,260	171,082	192,523	177,109	182,846

Category	Description and Examples
Revenue	Includes: Toll Revenue, Violation Fees, and Interest and Other Income
Fixed Operating & Maintenance (O&M)	Fixed costs are independent of lane usage and are generally a function of mileage. Includes toll system, roadway, enforcement, and staff costs.
Variable Operating & Maintenance (O&M)	Variable O&M costs are those tied to usage and include banking fees, manual image review, and other transaction costs.
Rehab & Replacement (R&R)	Express Lanes R&R costs include toll system replacement and civil asset rehabilitation and replacement included as Civil I or Civil II.
Civil I	Express Lanes R&R of civil assets generally performed by BAIFA contractors. Includes pavement marking and restriping
Civil II (Caltrans SHOPP)	Express Lanes R&R of civil assets generally performed by Caltrans and included as capital asset preventative maintenance (CAPM) projects identified in the 10-year State Highway Operation and Protection Program (SHOPP). Includes pavement rehabilitation and replacement and median barrier replacement, with BAIFA's proportional share determined in accordance with the BAIFA and Caltrans Operations and Maintenance Agreement.

Revenue/Expense Category	Annual Escalation Assumption
Revenue	2.5%, to match the observed Compound Average Growth Rate (CAGR) of revenue on CC-680 southbound between FY 2017-18 and FY 2021-22.
Fixed Operating & Maintenance (O&M)	3.3%, based on the average 10-year CAGR of the Consumer Price Index for the Bay Area.
Variable Operating & Maintenance (O&M)	4.5%, adding 2.0% unit price escalation to the assumed 2.5% revenue escalation
Rehab & Replacement (R&R)	5.0%, consistent with planning-level assumptions in Plan Bay Area 2050