



I-680 Sunol Express Lane Joint Powers Authority Meeting Agenda Monday, March 11, 2019, 9:30 a.m.

Committee Chair: Lily Mei, City of Fremont
Vice Chair: David Haubert, City of Dublin
Members: Scott Haggerty, Jerry Thorne,
Rich Tran (Santa Clara Valley
Transportation Authority)

Executive Director: Arthur L. Dao
Staff Liaison: [Elizabeth Rutman](#)
Clerk of the Commission: [Vanessa Lee](#)

1. Call to Order/Pledge of Allegiance

2. Roll Call

3. Public Comment

4. Consent Calendar

Page/Action

- 4.1. [Approve the February 11, 2019 I-680 Sunol Smart Carpool Lane Joint Powers Authority \(JPA\) Meeting Minutes](#) 1 A

5. Regular Matters

- 5.1. [Approve the Sunol JPA FY2018-19 Mid-Year Budget Update](#) 5 A
5.2. [I-680 Southbound Express Lane: Monthly Operations Status Update](#) 9 I
5.3. [I-680 Sunol Express Lanes \(PN 1369.000\): Monthly Status Update](#) 13 I

6. Committee Member Reports

7. Staff Reports

8. Adjournment

Next Meeting: Monday, April 8, 2019

Notes:

- All items on the agenda are subject to action and/or change by the Commission.
- To comment on an item not on the agenda (3-minute limit), submit a speaker card to the clerk.
- Call 510.208.7450 (Voice) or 1.800.855.7100 (TTY) five days in advance to request a sign-language interpreter.
- If information is needed in another language, contact 510.208.7400. Hard copies available only by request.
- Call 510.208.7400 48 hours in advance to request accommodation or assistance at this meeting.
- Meeting agendas and staff reports are available on the [website calendar](#).
- Alameda CTC is located near 12th St. Oakland City Center BART station and AC Transit bus lines. [Directions and parking information](#) are available online.



Alameda CTC Schedule of Upcoming Meetings:

Commission Chair

Supervisor Richard Valle, District 2

Commission Vice Chair

Mayor Pauline Cutter,
City of San Leandro

AC Transit

Board President Elsa Ortiz

Alameda County

Supervisor Scott Haggerty, District 1
Supervisor Wilma Chan, District 3
Supervisor Nate Miley, District 4
Supervisor Keith Carson, District 5

BART

Vice President Rebecca Saltzman

City of Alameda

Mayor Marilyn Ezzy Ashcraft

City of Albany

Mayor Rochelle Nason

City of Berkeley

Mayor Jesse Arreguin

City of Dublin

Mayor David Haubert

City of Emeryville

Councilmember John Bauters

City of Fremont

Mayor Lily Mei

City of Hayward

Mayor Barbara Halliday

City of Livermore

Mayor John Marchand

City of Newark

Councilmember Luis Freitas

City of Oakland

Councilmember At-Large
Rebecca Kaplan
Councilmember Shang Thao

City of Piedmont

Vacant

City of Pleasanton

Mayor Jerry Thorne

City of Union City

Mayor Carol Dutra-Vernaci

Executive Director

Arthur L. Dao

Description	Date	Time
Paratransit Technical Advisory Committee (ParaTAC)	March 12, 2019	9:30 a.m.
Paratransit Advisory and Planning Committee (PAPCO)	March 25, 2019	1:30 p.m.
Alameda CTC Commission Meeting	March 28, 2019	2:00 p.m.
Alameda County Technical Advisory Committee (ACTAC)	April 4, 2019	1:30 p.m.
Finance and Administration Committee (FAC)	April 8, 2019	8:30 a.m.
I-680 Sunol Smart Carpool Lane Joint Powers Authority (I-680 JPA)		9:30 a.m.
I-580 Express Lane Policy Committee (I-580 PC)		10:00 a.m.
Planning, Policy and Legislation Committee (PPLC)		10:30 a.m.
Programs and Projects Committee (PPC)		12:00 p.m.
Bicycle and Pedestrian Community Advisory Committee (BPAC)	May 16, 2019	5:30 p.m.
Joint Paratransit Advisory and Planning Committee (PAPCO) and Paratransit Technical Advisory Committee (ParaTAC)	May 20, 2019	1:30 p.m.
Independent Watchdog Committee (IWC)	July 8, 2019	5:30 p.m.

All meetings are held at Alameda CTC offices located at 1111 Broadway, Suite 800, Oakland, CA 94607. Meeting materials, directions and parking information are all available on the [Alameda CTC website](http://www.AlamedaCTC.org).



I-680 Sunol Smart Carpool Lane
Joint Powers Authority Meeting Minutes
Monday, February 11, 2019, 9:30 a.m.

4.1

1111 Broadway, Suite 800, Oakland, CA 94607 • PH: (510) 208-7400 • www.AlamedaCTC.org

1. Call to Order/Pledge of Allegiance

2. Roll Call

A roll call was conducted. All members were present with the exception of Commissioner Tran.

3. Public Comment

There were no public comments.

4. Election of Chair and Vice Chair

4.1. Approve the election of the Authority Chair and Vice-Chair of the Sunol Smart Carpool Lane Joint Powers Authority

Commissioner Haggerty moved to approve the nomination of Commissioner Mei as the Chair and Commissioner Haubert as Vice Chair. Commissioner Thorne seconded the motion. The motion passed with the following roll call votes:

Yes: Haggerty, Haubert, Mei, Thorne
No: None
Abstain: None
Absent: Tran

5. Consent Calendar

5.1. Approve the January 14, 2019 I-680 Sunol Smart Carpool Lane Joint Powers Authority (JPA) meeting minutes

Commissioner Haggerty moved to approve the consent calendar. Commissioner Thorne seconded the motion. The motion passed with the following roll call votes:

Yes: Haggerty, Haubert, Mei, Thorne
No: None
Abstain: None
Absent: Tran

6. Regular Matters

6.1 Approve the FY2018-19 Second Quarter Financial Report

Yoana Navarro recommended that the Authority approve the FY2018-19 Second Quarter Financial Report. She stated that the financial report summarizes revenues and expenses related to the I-680 Sunol Smart Carpool Lane for the fiscal year through December 31, 2018. Ms. Navarro said that the Authority's net revenue was \$1,474,794 and expenses totaled \$744,120, which resulted in an increase to net position of \$730,674. She stated that this positive variance relates to actual toll

revenue coming in higher and expenses coming in lower than projections. As of December 31, 2018, the I-680 Sunol Smart Carpool Lane had cash and investments totaling \$5.58 million. Ms. Navarro noted that the I-680 Sunol Smart Carpool Lane is in a strong position compared to budget after the second quarter of the fiscal year and remains sustainable.

Commissioner Haggerty moved to approve this item. Commissioner Haubert seconded the motion. The motion passed with the following roll call votes:

Yes: Haggerty, Haubert, Mei, Thorne
No: None
Abstain: None
Absent: Tran

6.2. I-680 Southbound Express Lane: Monthly Operations Status Update

Ashley Tam provided an update on the I-680 Southbound Express Lane for the month of December 2018. She covered the average toll trip data and roadway segment speeds and corridor performance information. Ms. Tam also reviewed average speeds and density, and toll rates during operational hours. She concluded the update by reviewing estimated gross toll revenues versus forecasted operating budget.

This item is for information only.

6.3. I-680 Sunol Express Lanes (PN 1369.000): Monthly Status Update

Trinity Nguyen presented the I-680 Sunol Express lane status update. Ms. Nguyen presented construction highlights and next steps in the projects development including continued preliminary toll system design and coordination with civil design for construction staging/sequencing, and continued coordination with PG&E, AT&T, and Comcast regarding power and communication service.

Commissioner Haggerty expressed concern regarding erosion on the hillside where construction is occurring on the sound wall. Ms. Nguyen stated that there are measures in place to ensure there is no damage. She stated that she'll look into it.

This item is for information only.

6.4. Review the Second Amended and Restated Joint Powers Agreement Establishing the Sunol Smart Carpool Lane Joint Powers Authority

Patricia Reavey recommended that the Authority review the Second Amended and Restated Joint Powers Agreement Establishing the Sunol Smart Carpool Lane Joint Powers Authority, and stated that this is an information item only. Ms. Reavey noted that Meyers, Nave, Riback, Silver & Wilson, PLC (Meyers Nave) took over general counsel responsibilities for the I-680 Sunol Smart Carpool Lane Joint Powers Authority and were tasked with the review and editing of Sunol JPA governance documents, including the Amended and Restated Joint Powers Agreement, to ensure

compliance with requirements and accuracy with how the carpool lane operates today. She noted that Meyers Nave made suggested edits, most of which were administrative in nature; however, one more significant change was in section 9. FUNDING, where the prorated basis in which shortfalls in operational costs or other unfunded obligations will be assessed was changed to 90 percent for Alameda CTC and 10 percent for VTA, from 80 percent for Alameda CTC and 20 percent for VTA. This change better reflects the percentage of lane miles that will be located in Santa Clara County once the I-680 Express Lanes project is fully built end-to-end. She also stated that amendments to the Joint Powers Agreement must be approved by the VTA and the Commission; and that the VTA Board approved the Second Amended and Restated JPA on January 10, 2019 and will be going to the Commission for approval later this month.

Commissioner Haggerty wanted to point out that there were no substantial changes recommended to the JPA document. Ms. Reavey stated that she agrees that there were no substantial changes recommended, but stated that it was an important process to go through to have new counsel review the documents to ensure compliance and accuracy so that they can support the language in the documents going forward. There are administrative changes recommended that won't make a major difference, but we might as well make them since they are recommended.

This item is for information only.

7. Committee Member Report

There were no committee reports.

8. Staff Reports

There were no staff reports.

8. Adjournment/ Next Meeting

The next meeting is:

Date/Time: Monday, March 11, 2019 at 9:30a.m.

Location: Alameda CTC Offices, 1111 Broadway, Suite 800, Oakland, CA 94607

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Memorandum

5.1

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• PH: (510) 208-7400

• www.AlamedaCTC.org

DATE: March 4, 2019

TO: I-680 Sunol Express Lane Joint Powers Authority

FROM: Patricia Reavey, Deputy Executive Director of Finance and Administration

SUBJECT: I-680 Sunol SMART Carpool Lane JPA FY2018-19 Mid-Year Budget Update

Recommendation

Approve the I-680 Sunol SMART Carpool Lane JPA FY2018-19 Mid-Year Budget Update.

Summary

The proposed mid-year budget update for the I-680 Sunol SMART Carpool Lane (Attachment A) adjusts the beginning net position of the currently adopted budget to tie to the ending net position in the audited financial statements for FY2017-18 and updates expense line items to reflect more refined expectations for these types of expenses as the year progresses. These changes decrease overall budget expense authority by \$400,000 mostly related to costs for the Toll Revenue Forecasting special project that has been delayed and is anticipated to begin late in this fiscal year. These changes increase the net position by \$1,574,903 to \$6,167,935 primarily due to updating the beginning net position to the ending net position balance from the FY2017-18 audited financial statements. The projected ending net position is comprised of \$1.5 million of maintenance reserves, \$2.0 million of operational risk reserves, capital assets net of depreciation of \$1,300,468, and unrestricted funds of \$1,367,467.

Background

In May 2018, the Sunol Smart Carpool Lane JPA Board adopted a balanced operating budget for FY2018-19, which included \$2,766,372 of expenses including depreciation to be paid from \$2,600,000 of toll revenues, for an overall decrease in net position of \$166,372 related specifically to depreciation of capital assets. During this mid-year budget update process, staff has reviewed available net position and has proposed to set aside an additional \$500,000 for the Operational Risk Reserve for a total balance of \$2,000,000. These reserves are necessary and in line with best practices to ensure sustainability and to cover unanticipated expenses, such as those related to commitments in the operations and

maintenance agreement with Caltrans which are not covered by insurance, catastrophic failure of the toll lane systems, or a natural disaster. These funds were not available in net position when the original budget was adopted in May 2018; however, they have become available to fund the Operational Risk Reserve during this mid-year budget update process due to the roll forward of the beginning net position from the FY2017-18 audited financial statements.

Fiscal Impact: The fiscal impact for the approval of this item is to decrease budget expense authority by \$400,000 to \$2,366,372, to be paid from the projected toll revenue budget authority of \$2,600,000 for FY2018-19. This budget update also increases the set aside for the Operational Risk Reserve by \$500,000 for a total Operational Risk Reserve of \$2,000,000 in net position.

Attachment:

- A. I-680 Sunol Smart Carpool Lane Fiscal Year 2018-19 Proposed Mid-Year Budget Update

I-680 SUNOL SMART CARPOOL LANE
Fiscal Year 2018-19
Proposed Mid-Year Budget Update

	FY 2018-19 Adopted Budget	Proposed Budget Adjustment	FY 2018-19 Proposed Budget
Beginning Net Position	\$ 4,759,404	\$ 1,174,903	\$ 5,934,307
<u>OPERATING REVENUES</u>			
Toll Revenue	2,600,000	-	2,600,000
Total Operating Revenues:	2,600,000	-	2,600,000
<u>OPERATING EXPENSES</u>			
Operations and Maintenance	750,000	(150,000)	600,000
Revenue Collection Fees	325,000	-	325,000
Alameda CTC Operations and Management	300,000	-	300,000
Enforcement	425,000	-	425,000
Express Lane Operations Monitoring Technicians	120,000		120,000
IT Support	85,000	(35,000)	50,000
Alameda CTC Administration	55,000	-	55,000
Utilities	50,000	15,000	65,000
Insurance	40,000	-	40,000
Roadway Maintenance	25,000	-	25,000
Miscellaneous	25,000	-	25,000
Legal Fees	10,000	20,000	30,000
Contingency	60,000	-	60,000
Total Operating Expenses:	2,270,000	(150,000)	2,120,000
Operating Surplus/(Deficit)	330,000	150,000	480,000
<u>OTHER EXPENSES</u>			
Special Project - Toll Revenue Forecasting	330,000	(250,000)	80,000
Depreciation*	166,372	-	166,372
Total Non-Operating Expenses:	496,372	(250,000)	246,372
<u>PROJECTED ENDING NET POSITION</u>	\$ 4,593,032	\$ 1,574,903	\$ 6,167,935
Net Position			
Maintenance Reserve	1,500,000	-	1,500,000
Operational Risk Reserve	1,500,000	500,000	2,000,000
Invested in Capital Assets	1,301,086	(618)	1,300,468
Unrestricted	291,946	1,075,521	1,367,467
Total Net Position	\$ 4,593,032	\$ 1,574,903	\$ 6,167,935

* Non-cash expense

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Memorandum

5.2

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DATE: March 4, 2019

TO: I-680 Sunol Express Lane Joint Powers Authority

FROM: Ashley Tam, Associate Transportation Engineer
Liz Rutman, Director of Express Lanes Implementation and Operations

SUBJECT: I-680 Sunol Southbound Express Lane (PN 1408.000): Operations Update

Recommendation

This item is to provide an update on the Operation of the I-680 Southbound Express Lane. This item is for information only.

Summary

The purpose of this item is to provide the I-680 Sunol Smart Carpool Lane Joint Powers Authority ("Sunol JPA") with a Monthly Operation Update of the existing I-680 Southbound Express Lane facility for January 2019. See Attachment A for express lane operation limits.

The January 2019 operations report indicates that the express lane facility continues to provide travel time savings and travel reliability along the corridor.

Background

The I-680 Sunol Southbound Express Lane spans approximately 14 miles from SR 84 near Pleasanton to SR 237 in the City of Milpitas. Motorists using the express lane benefit from travel reliability as the express lane optimizes the corridor capacity by providing a choice to drivers: single occupancy vehicles (SOVs) have the option to pay a toll and travel within the express lane, while carpool, clean-air vehicles, motorcycles, and transit vehicles enjoy the benefits of toll-free travel in the express lane. The Alameda CTC, acting as the managing agency for the Sunol JPA, has been operating the express lane facility since it opened to traffic in September 2010. California Highway Patrol (CHP) officers provide enforcement services, and the California Department of Transportation (Caltrans) provides roadway maintenance services through reimbursable service agreements.

An All Electronic Toll (AET) collection method has been employed to collect tolls. Through June 2017, toll rates were calculated based on real-time traffic conditions (speed and volume) in express and general purposes lanes evaluated every three minutes. Beginning July 1, 2017, in preparation for the construction of the new northbound express lane and

conversion of the southbound lane to continuous access, a time-of-day pricing schedule has been in effect with rates changing as frequently as every 15 minutes.

January 2019 Operations Update:

Over 70,000 express lane toll trips were recorded during operational hours in January, an average of 3,200 solo trips a day. All express lane users typically experience higher speeds and lesser lane densities than the general purpose lanes. Lane density is measured by the number of vehicles per mile per lane and reported as Level of Service (LOS). LOS is a measure of freeway performance based on vehicle maneuverability and driver comfort levels, graded on a scale of A (best) through F (worst).

Table 1 summarizes the express lane speed and LOS at the three toll points in the corridor during the morning commute hours in January. Although comprehensive traffic data is not currently available, daily observation of the corridor via closed circuit television cameras suggests that the express lane continually provides higher speeds and better LOS than the general purpose lanes, particularly during peak commute hours.

Table 1. Speeds and Level of Service in Express Lane

Express Lane Location	5 AM – 11 AM		8 AM – 9 AM	
	Avg Speed (mph)	Avg Express Lane LOS	Avg Speed (mph)	Avg Express Lane LOS
Andrade Rd	69	B	67	C
Washington Blvd	66	C	54	D
Mission Blvd / SR 262	74	A	70	B

Table 2 presents the maximum posted toll rate to travel the entire southbound express lane corridor and the average toll assessed to non-HOV users.

Table 2. Toll Rate Data

Month	Maximum Posted Toll (Travel Entire Corridor)	Average Assessed Toll (All Trips)
January	\$9.50	\$3.27

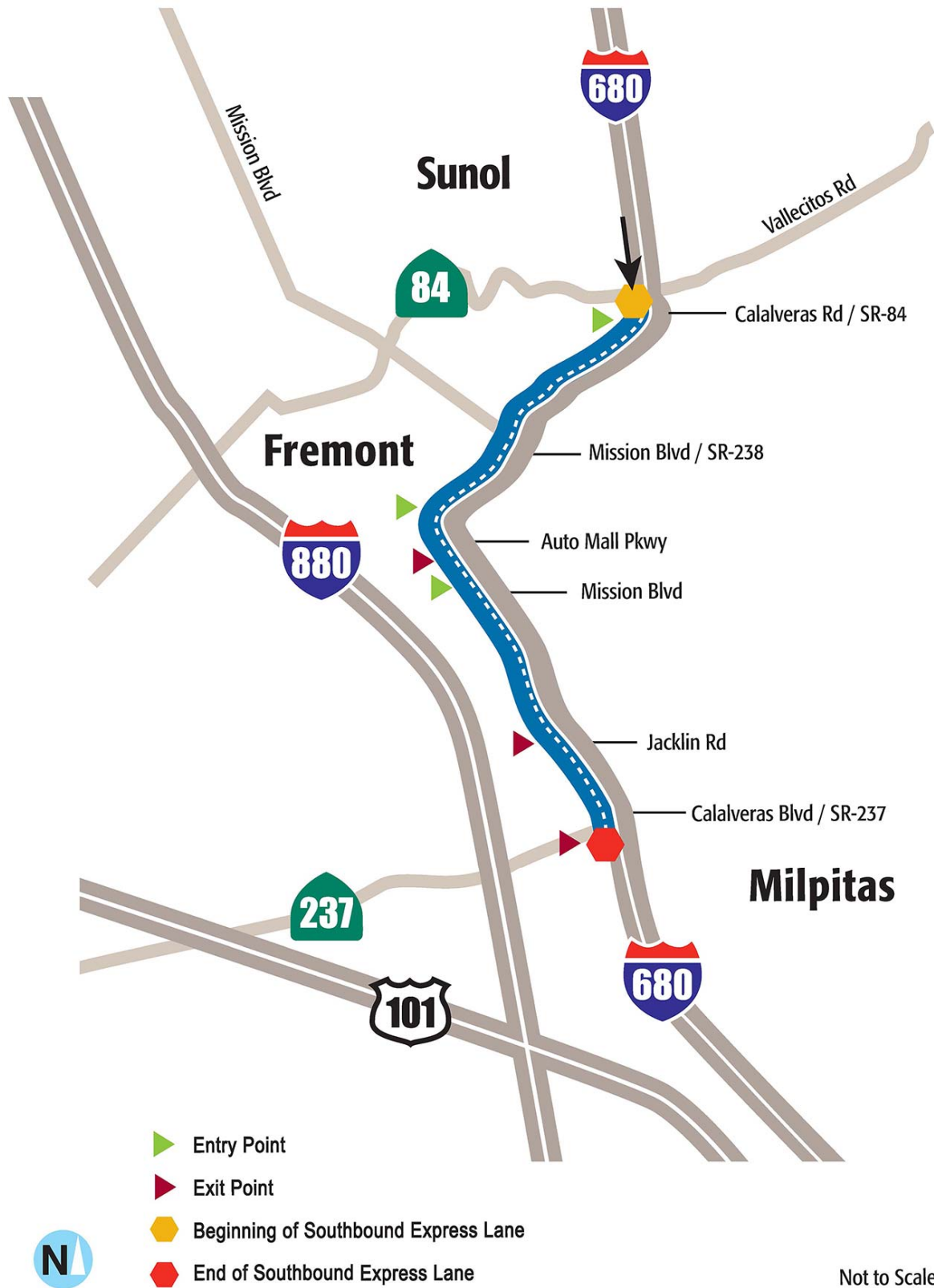
The estimated gross revenue generated from the I-680 Sunol express lane thus far in Fiscal Year 2018-19 is \$1.64 million, while the pro-rated forecast operation budget is \$1.52 million.

Fiscal Impact: There is no fiscal impact associated with the requested action.

Attachment:

- A. I-680 Southbound Express Lane Location Map

Sunol I-680 Southbound Express Lane Location Map



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Memorandum

5.3

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• 510.208.7400

• www.AlamedaCTC.org

DATE: March 4, 2019

TO: I-680 Sunol Express Lane Joint Powers Authority

FROM: Trinity Nguyen, Director of Project Delivery
Liz Rutman, Director of Express Lanes Implementation and Operations

SUBJECT: I-680 Sunol Express Lanes (PN 1369.000): Monthly Status Update

Recommendation

This item is to provide the Authority with an update on the status of I-680 Sunol Express Lanes – Phase 1 project. This item is for information only.

Summary

The Interstate 680 (I-680) Sunol Express Lanes (EL) Project will provide enhanced mobility for motorists in both the northbound and southbound directions as a combination of two projects, the I-680 Express Lanes (EL) project and the I-680 Southbound Conversion Project. The I-680 Sunol EL project will widen I-680 from SR 237 in Santa Clara County to SR 84 in Alameda County to construct a 14-mile long northbound High Occupancy Vehicle (HOV)/Express Lane in the corridor. The project is being implemented in a phased approach focused on providing immediate operational benefits based on funding availability. The I-680 Sunol Express Lane - Phase 1 (Phase 1) project, constructs an initial 9-mile HOV/Express Lane segment on northbound I-680 between south of Auto Mall Parkway and SR 84. The I-680 Southbound Access Conversion project will convert the existing southbound controlled access tolling configuration to an open access configuration to provide consistency with the new northbound express lane. This conversion has been incorporated into the northbound Phase 1 project.

The purpose of this item is to provide the Commission with a monthly status update on the project development and implementation activities which are either completed or planned for the Phase 1 project.

Background

The I-680 Sunol Express Lanes project will widen northbound I-680 from SR 237 in Santa Clara County to SR 84 in Alameda County to construct a 14-mile long northbound

HOV/Express Lane in the corridor. The project will provide a number of benefits including: 1) enhanced mobility by reducing traffic congestion; 2) reduced travel time and improved travel reliability; and 3) reduced congestion related accidents, thereby enhancing safety. The Express Lane facility will maximize available HOV lane capacity by offering solo drivers the choice to pay an electronic toll to access the lane, while regular carpool/carpool eligible users continue to use the lane at no cost. The Phase 1 project will provide an initial 9-mile segment of new HOV/Express Lane from south of Auto Mall Parkway to SR 84 to eliminate the bottlenecks and alleviate much of the daily traffic congestion.

The I-680 Southbound Express Lane was opened to traffic in September 2010 as a controlled access facility. To be consistent with the new northbound express lane and provide enhanced accessibility for users, the southbound direction will be converted to an open access configuration in conjunction with the Phase 1 project.

The Project Approval and Environmental Document (PA&ED) for the overall project was completed in July 2015. In December 2015, WMH Corporation was selected to prepare the civil design and will continue to provide design support during construction (DSDC). In June 2016, Kapsch TrafficCom Transportation NA, Inc. was selected to provide Toll System Integration Services. In November 2017, Bay Cities Paving & Grading Inc. was awarded the civil construction contract.

Alameda CTC, in partnership with Caltrans, is the implementing agency for preliminary engineering, environmental studies, design, right-of-way acquisition, and utility relocation. For the construction phase, Alameda CTC is the project sponsor and Caltrans is the implementing agency to administer the construction of the Phase 1 project. Attachment A, I-680 Sunol Express Lanes Progress Update, provides the current implementation schedule and delivery milestones.

The approved Environmental Document and Project Report (PA&ED documents) included studies and analysis for construction of both the full project limits (SR 237 to SR 84) and an initial segment (south of Auto Mall Parkway to SR 84). The initial segment (Phase 1 project) is focused on providing immediate operational benefits within currently available funding. During development of the Phase 1 project, staff identified and implemented several geometric refinements to reduce costs and minimize environmental impacts.

In the interest of expediting important improvements for the public, Alameda CTC and Caltrans have agreed to incorporate a pavement rehabilitation project into the Phase 1 project.

Civil construction began on March 5, 2018 after the approval of the required initial submittals. The following is a detailed discussion of work in progress and/or upcoming major tasks.

Recently Completed Project activities in February

- Site maintenance including evaluation and implementation of protective measures.
- Contractor achieved 1% progress on various bid items.

Upcoming Project Activities

- Visible work activities for the three months ahead will include:
 - Continue construction of PG&E pedestals.
 - Continue progress on the widening at Calaveras Bridge; superstructure work underway.
 - Continue progress on the retaining wall on northbound I-680 between Paseo Padre Parkway and Palm Avenue (Approximately 1,012 feet long).
 - Continue progress on the retaining wall on northbound I-680 between Vargas Road and Sheridan Road off-ramps (Approximately 2,897 feet long).
 - Continue progress at the Sheridan Road Overcrossing Bridge replacement; superstructure work underway.
 - Continue progress for retaining wall (Approximately 1,606 feet long) along northbound I-680 from north of the Alameda Creek Bridge Undercrossing to the Calaveras Road off-ramp.
 - Continue placement for median lights in Segment A.
 - Continue progress for completion of median barrier in Segment A.
 - Construction of overhead sign foundations and sign installation in the median starting from the southern end of the project and proceeding northerly and removal of median toll signs.
 - Continue drainage installation and median structural section in Segment B.
- Preliminary tolling zone configuration and associated signing locations determined. Continue to finalize configuration of tolling facility (on-going).
- Continue preliminary toll system design and coordinate with civil design for construction staging/sequencing (on-going).
- Continue to coordinate with PG&E, AT&T and Comcast regarding power and communication service connection needs (on-going).
- Submittal of Toll System Integrator installation plan.

Fiscal Impact: There is no fiscal impact associated with the requested action.

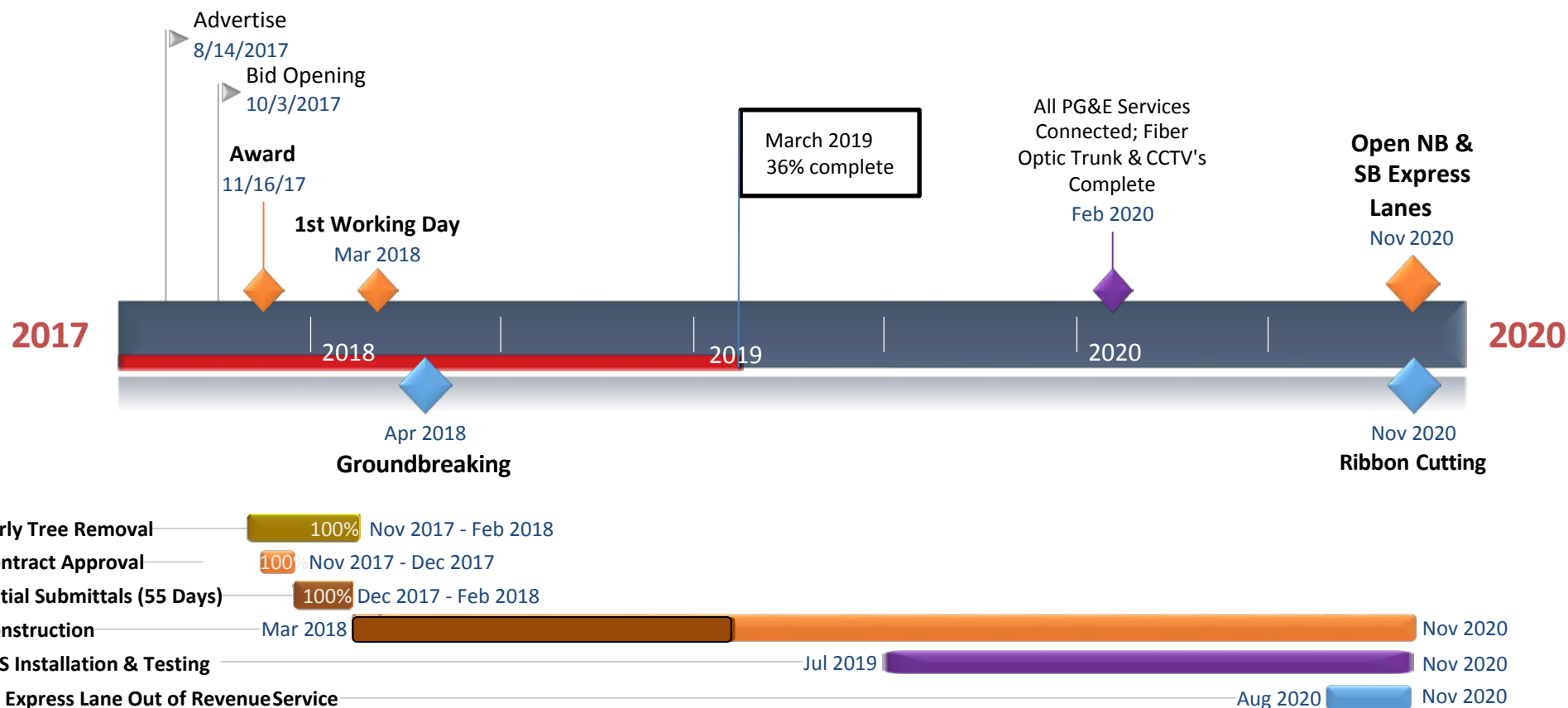
Attachment:

- A. I-680 Sunol Express Lanes Progress Update

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I-680 Sunol Express Lanes

Progress Update: March 2019



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