



I-680 Sunol Express Lane Joint Powers Authority Meeting Agenda Monday, February 10, 2020, 9:30 a.m.

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

Executive Director: Tess Lengyel
Staff Liaison: [Gary Huisingsh](#)
Clerk of the Commission: [Vanessa Lee](#)

1. Call to Order/Pledge of Allegiance

2. Roll Call

3. Public Comment

4. Election of Chair and Vice Chair

Page/Action

- 4.1. [Approve the election of the Authority Chair and Vice-Chair of the Sunol Smart Carpool Lane Joint Powers Authority](#) 1 A

5. Consent Calendar

- 5.1. [Approve the January 13, 2020 I-680 Sunol Smart Carpool Lane Joint Powers Authority \(JPA\) Meeting Minutes](#) 3 A

6. Regular Matters

- 6.1. [Approve the I-680 Sunol Smart Carpool Lane FY 2019-20 Second Quarter Financial Report](#) 7 A
- 6.2. [I-680 Sunol Southbound Express Lane from SR 237 to SR 84 Operations Update](#) 11 I
- 6.3. [I-680 Sunol Express Lanes from SR 237 to SR 84 Construction Status Update](#) 15 I

7. Committee Member Reports

8. Staff Reports

9. Adjournment

Next Meeting: Monday, March 9, 2020

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 for February and March 2020

Commission Chair

Mayor Pauline Russo Cutter,
City of San Leandro

Commission Vice Chair

Councilmember John Bauters,
City of Emeryville

AC Transit

Board Vice President Elsa Ortiz

Alameda County

Supervisor Scott Haggerty, District 1
Supervisor Richard Valle, District 2
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 Nick Pilch

City of Berkeley

Mayor Jesse Arreguin

City of Dublin

Mayor David Haubert

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 Sheng Thao

City of Piedmont

Mayor Robert McBain

City of Pleasanton

Mayor Jerry Thorne

City of Union City

Mayor Carol Dutra-Vernaci

Executive Director

Tess Lengyel

Commission and Committee Meetings

Time	Description	Date
2:00 p.m.	Alameda CTC Commission Meeting	February 27, 2020 March 26, 2020
9:00 a.m.	Finance and Administration Committee (FAC)	March 9, 2020
9:30 a.m.	I-680 Sunol Smart Carpool Lane Joint Powers Authority (I-680 JPA)	
10:00 a.m.	I-580 Express Lane Policy Committee (I-580 PC)	
10:30 a.m.	Planning, Policy and Legislation Committee (PPLC)	
12:15 p.m.	Programs and Projects Committee (PPC)	

Advisory Committee Meetings

5:30 p.m.	Bicycle and Pedestrian Advisory Committee (BPAC)	February 13, 2020
1:30 p.m.	Joint Paratransit Advisory and Planning Committee (PAPCO) and Paratransit Technical Advisory Committee (ParaTAC)	February 24, 2020
1:30 p.m.	Alameda County Technical Advisory Committee (ACTAC)	March 5, 2020
5:30 p.m.	Independent Watchdog Committee (IWC)	March 9, 2020
9:30 a.m.	Paratransit Technical Advisory Committee (ParaTAC)	March 10, 2020
1:30 p.m.	Paratransit Advisory and Planning Committee (PAPCO)	March 23, 2020

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). Meetings subject to change.

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Memorandum

4.1

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DATE: February 3, 2020

TO: I-680 Sunol Express Lane Joint Powers Authority

FROM: Tess Lengyel, Executive Director
Patricia Reavey, Deputy Executive Director of Finance and Administration
Vanessa Lee, Clerk of the Commission

SUBJECT: Approve the election of the Authority Chair and Vice-Chair of the Sunol Smart Carpool Lane Joint Powers Authority

Recommendation

It is recommended that the Authority approve the election of the Chair and Vice-Chair of the Sunol SMART Carpool Lane Joint Powers Authority (Sunol JPA).

Summary

Per the Sunol JPA's Administrative Code, the Sunol JPA shall annually elect from the voting Board Members a Chairperson who shall preside at all meetings, and a Vice-Chairperson who shall preside in the absence of the Chairperson. The current Chair has completed her first year of service and the current Vice- Chair has just completed his first year of service.

Background

The Sunol JPA annually elects the Chair and Vice Chair at its first meeting in each calendar year, or as otherwise determined by the Board at its discretion. The Administrative Code indicates that in selecting the Chair and Vice-Chair, the voting Board Members shall give reasonable consideration to rotating these positions among the voting Board Members, among other factors.

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

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I-680 Sunol Smart Carpool Lane
Joint Powers Authority Meeting Minutes
Monday, January 13, 2020, 9:30 a.m.

5.1

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1. Call to Order/Pledge of Allegiance

2. Roll Call

A roll call was conducted. All members were present.

3. Public Comment

There were no public comments.

4. Consent Calendar

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

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

Yes: Haggerty, Haubert, Hendricks, Mei, Thorne

No: None

Abstain: None

Absent: None

5. Regular Matters

5.1 Approve the I-680 Sunol Smart Carpool Lane FY2019-20 First Quarter Financial Report

Yoana Navarro recommended that the Authority approve the I-680 Sunol Smart Carpool Lane FY2019-20 First Quarter Financial Report. Ms. Navarro stated that the Net toll and other revenue was \$704,153 and operating expenses through the first quarter totaled \$373,881, which resulted in an increase to net position of \$330,272. This variance relates to actual revenues coming in slightly higher and expenses coming in lower than projections. As of September 30, 2019, the I-680 Sunol Smart Carpool Lane had cash and investments totaling \$6.36 million. Ms. Navarro said that the I-680 Sunol Smart Carpool Lane JPA is in a strong position compared to budget after the first quarter of the fiscal year and remains sustainable. Operating budget includes \$2.75 million of toll revenues which is offset by \$2.50 million of expenses, including depreciation, resulting in an increase of \$253,628 to projected net position for the year. The projected net position at the end of FY2019-20 is \$6,421,563 comprised of \$1,134,096 invested in capital assets, \$1,500,000 reserved for maintenance, \$2,500,000 reserved for operational risk, and \$1,287,467 of unrestricted funds.

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

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

5.2. I-680 Southbound Express Lane from SR 237 to SR 84 Operations Status Update

Ashley Tam provided an update on the I-680 Southbound Express Lane for September-November 2019. She presented the average toll trip data and roadway segment speeds and corridor performance information. Ms. Tam also discussed average speeds and density, and toll rates during operational hours. She concluded the update by reviewing estimated gross toll revenues versus the forecasted operating budget.

Commissioner Hendricks asked why is the number of trips declining year after year. Liz Rutman stated that construction in the corridor began in March 2018, and the thought is that the construction associated with the northbound lane has impeded on users use of the southbound express lane, especially since construction is now mainly in the northern end of the corridor, which is the start of the southbound express lane.

Commissioner Hendricks asked if staff can include total usage numbers in the lane in the presentation. Ms. Rutman stated that staff would provide the volumes at different toll points in future updates.

This item is for information only.

5.3. I-680 Sunol Express Lanes From SR 237 to SR 84 Status Update

Trinity Nguyen presented the I-680 Sunol Express Lane Construction status update. Ms. Nguyen presented construction highlights and next steps in the project's development including continued preliminary toll system design and coordination with civil design for construction staging/sequencing, and continued coordination with PG&E regarding power service. She also gave an update on other projects in the corridor and the expected construction timing.

Commissioner Mei asked if there is an estimated opening date. Ms. Nguyen stated that construction completion is on target for the end of 2020.

Commissioner Haggerty asked where we are with the Metropolitan Transportation Commission (MTC) on this project. Ms. Lengyel noted that this project is fully funded. Regarding the SR 84/I-680 Interchange Project, Alameda CTC will close the final funding gap with \$85 million that was approved in Regional Measure 3 (RM3). Ms. Lengyel stated that MTC recently adopted a policy authorizing agencies to submit a letter of no prejudice for specifically named projects in RM3.

Commissioner Haubert wanted a brief status of the SR-262 (Mission Boulevard) Cross Connector project. Jhay Delos Reyes provided a brief update specifically the scoping phase of the project and stated that staff is working with the City of Fremont to help improve operations and efficiencies for express lane to express lane connections.

Commissioner Hendricks requested fact sheets on projects in the corridor. Mr. Lengyel noted that staff will send fact sheets.

This item is for information only.

6. Committee Member Report

There were no committee reports.

7. Staff Reports

There were no staff reports.

8. Adjournment/ Next Meeting

The next meeting is:

Date/Time: Monday, February 10, 2020 at 9:30a.m.

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

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Memorandum

6.1

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DATE: February 3, 2020

TO: I-680 Sunol Express Lane Joint Powers Authority

FROM: Patricia Reavey, Deputy Executive Director of Finance
and Administration
Yoana Navarro, Accounting Manager

SUBJECT: I-680 Sunol Smart Carpool Lane FY2019-20 Second Quarter
Financial Report

Recommendation

It is recommended that the Commission approve the I-680 Sunol Smart Carpool Lane FY2019-20 Second Quarter Financial Report.

Summary

This financial report summarizes revenues and expenses related to the I-680 Sunol Smart Carpool Lane for the fiscal year through December 31, 2019. Net toll and other revenue were \$1,351,227 or 1.7 percent less than projected revenues through the second quarter of FY2019-20. Operating expenses through the second quarter totaled \$889,809 or 23.6 percent less than budget. These variances together result in an increase to net position of \$461,418. This positive variance, net of the originally projected surplus, relates to expenses coming in lower than projections, mostly due to costs associated with the budgeted toll revenue forecasting project, operations and maintenance and enforcement. As of December 31, 2019, the I-680 Sunol Smart Carpool Lane had cash and investments totaling \$6.74 million.

Background

The I-680 Sunol Smart Carpool Lane JPA is in a strong position compared to budget after the second quarter of the fiscal year and remains sustainable. The FY2019-20 operating budget approved by the I-680 Sunol Smart Carpool Lane Board in May 2019 includes \$2.75 million of revenues which is offset by \$2.50 million of expenses, including depreciation, resulting in an increase of \$253,628 to projected net position for the year. The projected net position at the end of FY2019-20 is \$6,421,563 comprised of \$1,134,096 invested in capital assets, \$1,500,000 reserved for maintenance, \$2,500,000 reserved for operational risk, and \$1,287,467 of unrestricted funds. There was no capital budget proposed for FY2019-20.

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

Attachment:

- A. I-680 Sunol Smart Carpool Lane Statement of Operating Revenues and Expenses
As of December 31, 2019

I-680 SUNOL SMART CARPOOL LANE
Statement of Operating Revenues and Expenses
As of December 31, 2019

	<u>YTD Actuals</u>	<u>YTD Budget</u>	<u>% Used</u>	<u>Favorable / (Unfavorable) Variance</u>
Beginning Net Position, June 30, 2019	\$ 6,719,871			
<u>OPERATING REVENUES</u>				
Toll Revenue	1,296,702	1,350,000	96.1%	(53,298)
Interest Income	54,525	25,000	218.1%	29,525
Total Operating Revenues:	<u>1,351,227</u>	<u>1,375,000</u>	<u>98.3%</u>	<u>(23,773)</u>
<u>OPERATING EXPENSES</u>				
Operations and Maintenance	145,902	225,000	64.8%	79,098
Revenue Collection Fees	138,151	162,500	85.0%	24,349
Alameda CTC Operations and Management	192,952	125,000	154.4%	(67,952)
Enforcement	154,340	212,500	72.6%	58,160
Express Lane Operations Monitoring Technicians	42,376	60,000	70.6%	17,624
Utilities	18,762	32,500	57.7%	13,738
Alameda CTC Administration	17,661	27,500	64.2%	9,839
IT Support	27,525	25,000	110.1%	(2,525)
Insurance	21,557	20,000	107.8%	(1,557)
Legal Fees	4,627	25,000	18.5%	20,373
Roadway Maintenance	2,162	12,500	17.3%	10,338
Miscellaneous	7,325	12,500	58.6%	5,175
Special Project - Toll Revenue Forecasting	116,469	200,000	58.2%	83,531
Contingency	<u>-</u>	<u>25,000</u>	<u>0.0%</u>	<u>25,000</u>
Total Operating Expenses:	<u>889,809</u>	<u>1,165,000</u>	<u>76.4%</u>	<u>275,191</u>
Operating Surplus (Deficit)	<u>461,418</u>	<u>210,000</u>		
<u>Net Position</u>				
Invested in Capital Assets	855,872			
Maintenance Reserve	1,500,000			
Operational Risk Reserve	2,500,000			
Unrestricted Net position	2,325,417			
Total Net Position as of September 30, 2019	<u><u>\$ 7,181,289</u></u>			

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Memorandum

6.2

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DATE: February 3, 2020

TO: I-680 Sunol Express Lane Joint Powers Authority

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

SUBJECT: I-680 Sunol Southbound Express Lane from SR 237 to SR 84
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 an Operations Update of the existing I-680 Southbound Express Lane facility for December 2019. See Attachment A for express lane operation limits. The December 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. Due to on-going construction of the new northbound express lane and conversion of the southbound lane to continuous access, toll rates are currently set on a time-of-day pricing schedule with rates changing as frequently as every 15 minutes. When the new toll lanes

open in late 2020, toll rates will be dynamically calculated based on traffic conditions within the express lanes.

December 2019 Operations Update:

Nearly 61,000 express lane toll trips were recorded during operational hours in December, for an average of 2,900 toll trips a day. Level of Service (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 three points in the corridor during the morning commute hours in December. 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	68	B	64	C
Washington Blvd	65	C	49	D
Mission Blvd / SR 262	72	A	71	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)
December	\$9.50	\$2.93

The estimated gross revenue generated from the I-680 Sunol express lane in Fiscal Year 2019-20 is \$1,300,000 through December 2019, and the forecasted operating budget is \$965,000.

Fiscal Impact: There is no fiscal impact. This is an information item only.

Attachment:

- A. I-680 Southbound Express Lane Location Map

Sunol I-680 Southbound Express Lane Location Map



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Memorandum

6.3

1111 Broadway, Suite 800, Oakland, CA 94607

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DATE: February 3, 2020

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 from SR 237 to SR 84 Construction Status Update

Recommendation

This item is to provide the Authority with an update on the status of I-680 Sunol Express Lanes – Phase 1 construction 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 project (Phase 1), 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. 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 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. To date, the contractor has achieved 68% progress on various bid items at various locations. The following is a detailed discussion of work in progress and/or upcoming major tasks.

Recently Completed Project activities (January 2020):

- Paving in front of wall near Sheridan Bridge is complete.
- Drainage system in front of southbound retaining wall (RW 755) is complete

Upcoming Project Activities:

- Visible work activities for the three months ahead will include:
 - Continue construction of PG&E pedestals.
 - Begin pulling fiber optic cable for Electronic Toll System in Segment A
 - Continue installing electronic toll system cabinets in Segment A
 - Continue progress on the retaining wall on northbound I-680 between Paseo Padre Parkway and Palm Avenue (approximately 1,012 feet long).
 - 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 B.
 - Continue progress for completion of median barrier in Segment C.
 - Begin demolition of median barrier in Segment B between Vargas and Sheridan
 - Construction of overhead sign foundations, sign installation and removal of toll signs in the median of Segment B and C.
- 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 Telco regarding power and communication service connection needs (on-going).

Fiscal Impact: There is no fiscal impact. This is an information item only.

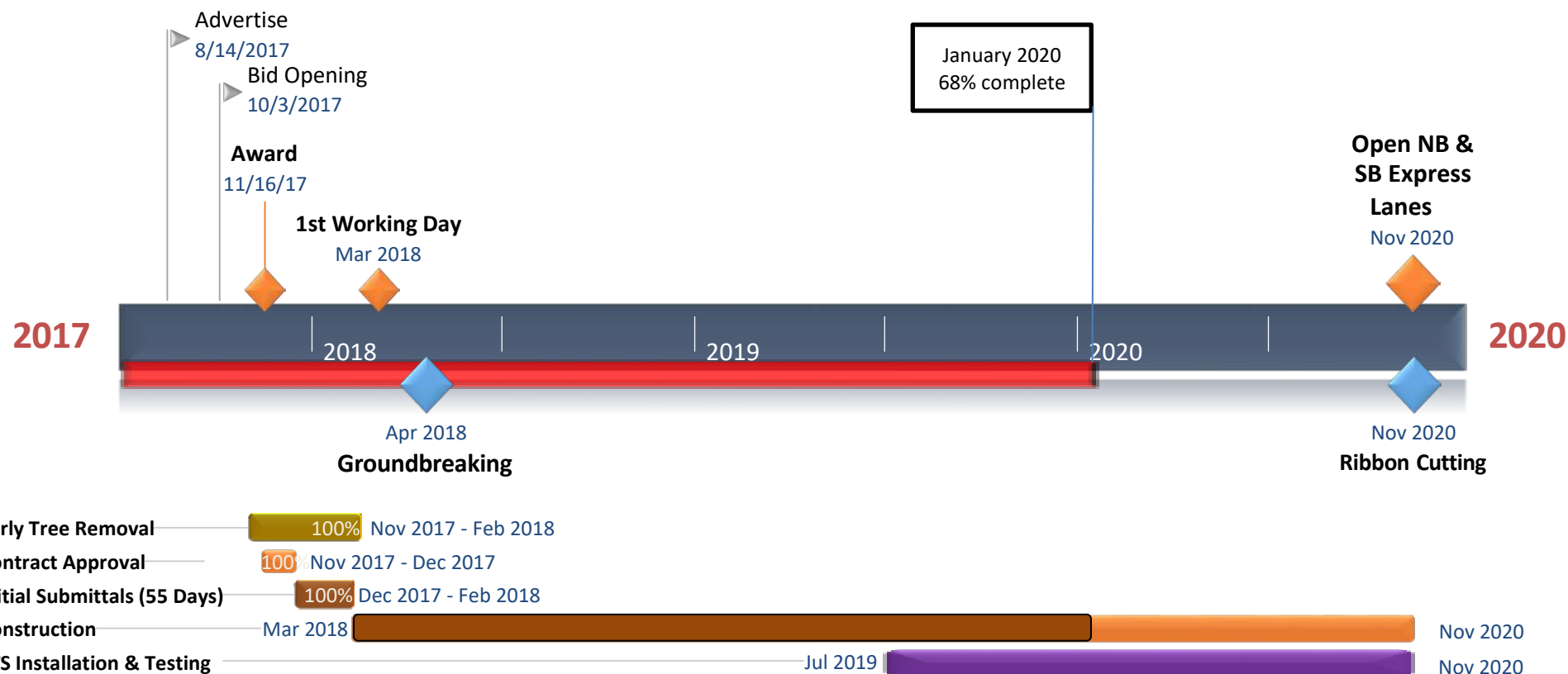
Attachment:

- A. I-680 Sunol Express Lanes Progress Update

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I-680 Sunol Express Lanes

Progress Update: January 2020



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