



Meeting Notice

1111 Broadway, Suite 800, Oakland, CA 94607

• 510.208.7400

• www.AlamedaCTC.org

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Rebecca Kaplan, City of Oakland

Commission Vice Chair
Mayor Bill Harrison,
City of Fremont

AC Transit
Director Elsa Ortiz

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Supervisor Richard Valle, District 2
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Mayor Jerry Thorne

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Mayor Pauline Cutter

City of Union City
Mayor Carol Dutra-Vernaci

Executive Director
Arthur L. Dao

I-680 Sunol Smart Carpool Lane Joint Powers Authority

Monday, July 11, 2016, 9:30 a.m.

Location:

1111 Broadway, Suite 800
Oakland, CA 94607

Teleconference Location:

Campbell City Hall
Doetsch Conf. Room, 70 N 1st St.
Campbell, CA 95008

Mission Statement

The mission of the Alameda County Transportation Commission (Alameda CTC) is to plan, fund, and deliver transportation programs and projects that expand access and improve mobility to foster a vibrant and livable Alameda County.

Public Comments

Public comments are limited to 3 minutes. Items not on the agenda are covered during the Public Comment section of the meeting, and items specific to an agenda item are covered during that agenda item discussion. If you wish to make a comment, fill out a speaker card, hand it to the clerk of the Commission, and wait until the chair calls your name. When you are summoned, come to the microphone and give your name and comment.

Recording of Public Meetings

The executive director or designee may designate one or more locations from which members of the public may broadcast, photograph, video record, or tape record open and public meetings without causing a distraction. If the Commission or any committee reasonably finds that noise, illumination, or obstruction of view related to these activities would persistently disrupt the proceedings, these activities must be discontinued or restricted as determined by the Commission or such committee (CA Government Code Sections 54953.5-54953.6).

Reminder

Please turn off your cell phones during the meeting. Please do not wear scented products so individuals with environmental sensitivities may attend the meeting.

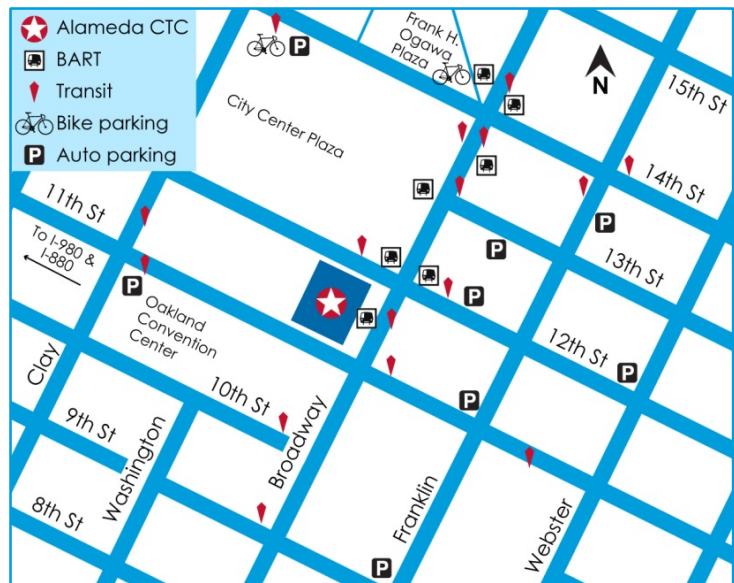
Glossary of Acronyms

A glossary that includes frequently used acronyms is available on the Alameda CTC website at www.AlamedaCTC.org/app_pages/view/8081.

Location Map

★ Alameda CTC
1111 Broadway, Suite 800
Oakland, CA 94607

Alameda CTC is accessible by multiple transportation modes. The office is conveniently located near the 12th Street/City Center BART station and many AC Transit bus lines. Bicycle parking is available on the street and in the BART station as well as in electronic lockers at 14th Street and Broadway near Frank Ogawa Plaza (requires purchase of key card from bikelink.org).



Garage parking is located beneath City Center, accessible via entrances on 14th Street between 1300 Clay Street and 505 14th Street buildings, or via 11th Street just past Clay Street. To plan your trip to Alameda CTC visit www.511.org.

Accessibility

Public meetings at Alameda CTC are wheelchair accessible under the Americans with Disabilities Act. Guide and assistance dogs are welcome. Call 510-893-3347 (Voice) or 510-834-6754 (TTD) five days in advance to request a sign-language interpreter.



Meeting Schedule

The Alameda CTC meeting calendar lists all public meetings and is available at www.AlamedaCTC.org/events/upcoming/now.

Paperless Policy

On March 28, 2013, the Alameda CTC Commission approved the implementation of paperless meeting packet distribution. Hard copies are available by request only. Agendas and all accompanying staff reports are available electronically on the Alameda CTC website at www.AlamedaCTC.org/events/month/now.

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I-680 Sunol Smart Carpool Lane Joint Powers Authority Meeting Agenda Monday, July 11, 2016, 9:30 a.m.

1111 Broadway, Suite 800, Oakland, CA 94607 • 510.208.7400 • www.AlamedaCTC.org
Teleconference location: Campbell City Hall, Doetsch Conference Room, 70 N. 1st St., Campbell, CA 95008

1. Pledge of Allegiance

2. Roll Call

3. Public Comment

Chair: Mayor Jerry Thorne, City of Pleasanton

Vice Chair: Bill Harrison, City of Fremont

Commissioners/Members: Scott Haggerty, David Haubert, Jason Baker (Santa Clara Valley Transportation Authority)

Staff Liaison: Kanda Raj

Executive Director: Arthur L. Dao

Clerk: Vanessa Lee

4. Consent Calendar

Page A/I

- 4.1. [Approval of the June 13, 2016 I-680 Sunol Smart Carpool Lane Joint Powers Meeting Minutes](#)

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5. Regular Matters

- 5.1. [Adopt a resolution authorizing the Sunol Smart Carpool Lane Joint Powers Authority to: Invest monies in the Local Agency Investment Fund, and approve the designation of the managing agency's \(Alameda County Transportation Commission\) staff to order the deposit or withdrawal of monies in the Local Agency Investment Fund.](#)

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- 5.2. [Receive a status update on the operation of the I-680 Southbound Express Lane.](#)

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- 5.3. [Receive a monthly status update of the I-680 Northbound Express Lane Project.](#)

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6. Committee Member Reports (Verbal)

7. Staff Reports (Verbal)

8. Adjournment

Next Meeting: September 12, 2016

All items on the agenda are subject to action and/or change by the Commission.

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I-680 Sunol Smart Carpool Lane Joint Powers Authority Meeting Minutes Monday, June 13, 2016, 9:30 a.m.

4.1

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1. Pledge of Allegiance

2. Roll Call

A roll call was conducted. All members were present except Commissioner Baker.

3. Public Comment

There were no public comments.

4. Consent Calendar

4.1. Approval of the I-680 Sunol Smart Carpool Lane Joint Powers Authority May 9, 2016 Meeting Minutes

Commissioner Haggerty moved to approve the Consent Calendar. Commissioner Haubert seconded the motion. The motion passed with the following vote:

Yes:	Thorne, Haubert, Harrison, Haggerty
No:	None
Abstain:	None
Absent:	Baker

5. Regular Matters

5.1. I-680 Sunol Smart Carpool Lane JPA FY2016-17 Final Proposed Budget: Approval of the I-680 Sunol Smart Carpool Lane Final Proposed Budget for FY2016-17

Patricia Reavey recommended that the Authority approve the I-680 Sunol Smart Carpool Lane JPA FY2016-17 Final Proposed Budget. She stated that the budget was unchanged from the draft that was presented in May.

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

Yes:	Thorne, Haubert, Harrison, Haggerty
No:	None
Abstain:	None
Absent:	Baker

5.2. I-680 Southbound Express Lane (PN 1408.000): Monthly Operations Update

Liz Rutman presented the I-680 Southbound Express Lane monthly operations update for April 2016. She covered the traffic average travel density, travel speeds, toll rates, estimated versus forecasted revenue, and CHP enforcement blitz data.

This item was for information only.

5.3. I-680 Northbound Express Lane (PN 1369.000): Monthly Status Update

Kanda Raj presented the I-680 Northbound Express Lane monthly status update. He stated that the final design is underway and the 65% Plans, Specification & Estimate package is expected to be submitted to Caltrans next month. A "look over the shoulder" review has been requested of Caltrans to expedite delivery. He stated that while there is no new right of ways needed, temporary construction easements will be needed. He discussed the schedule, stating that a scheduler will be retained to assess a realistic construction schedule and ways to expedite construction. A Toll System Integrator consultant selection process is nearing completion and staff recommendation will be presented in PPC for approval.

Commissioner Haggerty requested that a conceptual design be presented at the next meeting. Art Dao stated that staff will bring detailed engineering drawings to the next meeting that will highlight key design components.

This item was for information only.

6. Committee Member Reports

There were no committee member reports.

7. Staff Reports

There were no staff reports.

8. Adjournment/ Next Meeting

The next meeting is:

Date/Time: Monday, July 11, 2016 @ 9:30 a.m.

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

Attested by:



Vanessa Lee,
Clerk of the Commission



Memorandum

5.1

1111 Broadway, Suite 800, Oakland, CA 94607

• PH: (510) 208-7400

• www.AlamedaCTC.org

DATE: July 5, 2016

SUBJECT: Establish Local Agency Investment Fund Account for the Sunol Smart Carpool Lane Joint Powers Authority

RECOMMENDATION: Adopt a resolution authorizing the Sunol Smart Carpool Lane Joint Powers Authority to:

1. Invest monies in the Local Agency Investment Fund, and
2. Approve the designation of the managing agency's (Alameda County Transportation Commission) staff to order the deposit or withdrawal of monies in the Local Agency Investment Fund.

Summary

The Sunol Smart Carpool Lane Joint Powers Authority (Sunol JPA) adheres to the adopted investment policy of the managing agency, Alameda CTC, whose policy has the primary objectives of safety of principal, liquidity to meet all operating requirements, and acquiring a yield at a market rate of return. The policy also allows for the investment in the Local Agency Investment Fund (LAIF) whose policy incorporate these same primary objectives. LAIF is established in the State Treasury under Government Code section 16429.1 et seq. for purposes of investment by the State Treasurer. LAIF offers local agencies the opportunity to participate in a major portfolio, which invests hundreds of millions of dollars, using the investment expertise of the State Treasurer.

Historically Sunol JPA funds were not generating interest income because, since inception, the costs of banking services were more than the return available on the smaller balances accumulated by the Sunol JPA. Currently Sunol JPA funds are managed in two separate accounts, a checking account for revenue deposits and operational expense disbursements and a savings account for idle funds that currently earns 0.25 percent in interest. The savings account was established outside of the Sunol JPA's banking analysis structure as balances grew as an initial investment tool to obtain some return when funds were available, but also to keep funds very liquid to address operational needs when required. Sunol JPA bank balances are currently over \$3 million, therefore at this time staff recommends the Sunol JPA Board adopt a resolution authorizing the Sunol JPA to establish an account with LAIF. LAIF is a well-managed, highly liquid fund operating on an amortized cost basis with returns historically higher than can be obtained through a savings account. LAIF's current rate of return is 0.58 percent.

Staff also recommends the appointment of the Alameda CTC Executive Director, Arthur Dao, and the Deputy Executive Director of Finance and Administration, Patricia Reavey, as the officers authorized to order the deposit or withdrawal of monies in LAIF for the Sunol JPA.

Background

LAIF is a pooled investment program managed by the California State Treasurer's Office that offers local agencies within the state the opportunity to participate in a large portfolio utilizing the investment expertise of the Treasurer's Office investment staff. Funds held at LAIF may be withdrawn on the same or next day providing timely access to investments in order to fund operational needs. Under Federal Law, the State of California cannot declare bankruptcy and Government code Section 16429.3 states that "moneys placed with the Treasurer for deposit in LAIF by cities, counties, special districts, nonprofit corporations, or qualified quasi-governmental agencies shall not be subject to either of the following: (a) transfer or loan pursuant to Sections 16310, 16312, or 16313, or (b) impoundment or seizure by any state official or state agency." As of the end of May 2016, LAIF had 2,466 participants and investments of \$22.5 billion.

Fiscal Impact

There is no immediate fiscal impact to the approval of this item.

Attachments

- A. Sunol Smart Carpool Lane Joint Powers Authority Resolution No. 16-001

Staff Contact

[Patricia Reavey](#), Deputy Executive Director of Finance and Administration

[Lily Balinton](#), Accounting Manager

Sunol Smart Carpool Lane Joint Powers Authority**RESOLUTION NO. 16-001****AUTHORIZING INVESTMENT OF MONIES IN THE LOCAL AGENCY INVESTMENT FUND**

WHEREAS, The Local Agency Investment Fund is established in the State Treasury under Government Code section 16429.1 et. seq. for the deposit of money of a local agency for purposes of investment by the State Treasurer; and

WHEREAS, the Sunol Smart Carpool Lane Joint Powers Authority hereby finds that the deposit and withdrawal of money in the Local Agency Investment Fund in accordance with Government Code section 16429.1 et. seq. for the purpose of investment as provided therein is in the best interests of the Sunol Smart Carpool Lane Joint Powers Authority;

NOW THEREFORE, BE IT RESOLVED, that the Sunol Smart Carpool Lane Joint Powers Authority hereby authorizes the deposit and withdrawal of Sunol Smart Carpool Lane Joint Powers Authority monies in the Local Agency Investment Fund in the State Treasury in accordance with Government Code section 16429.1 et. seq. for the purpose of investment as provided therein.

BE IT FURTHER RESOLVED, as follows:

Section 1. The following Sunol Smart Carpool Lane Joint Powers Authority officers holding the title(s) specified hereinbelow or their successors in office are each hereby authorized to order the deposit or withdrawal of monies in the Local Agency Investment Fund and may execute and deliver any and all documents necessary or advisable in order to effectuate the purposes of this resolution and the transactions contemplated hereby:

Arthur Dao

(NAME)

Patricia Reavey

(NAME)

Executive Director

(TITLE)

Deputy Executive Director of
Finance & Administration

(TITLE)

(SIGNATURE)

(SIGNATURE)

Section 2. This resolution shall remain in full force and effect until rescinded by the Sunol Smart Carpool Lane Joint Powers Authority by resolution and a copy of the resolution rescinding this resolution is filed with the State Treasurer's Office.

Duly passed and adopted by the Sunol Smart Carpool Lane Joint Powers Authority at the regular meeting of the Board held on Monday, July 11, 2016 in Oakland, California by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

SIGNED:

ATTEST:

Bill Harrison, Chairperson

Vanessa Lee, Board Secretary



Memorandum

5.2

1111 Broadway, Suite 800, Oakland, CA 94607

• PH: (510) 208-7400

• www.AlamedaCTC.org

DATE: July 5, 2016

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

RECOMMENDATION: Receive a status update on the operation of the I-680 Southbound Express Lane.

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 express lane facility for the month of May 2016. The update is included as Attachment A to this staff report.

The May 2016 operations reports indicate that the express lane facility continues to provide travel reliability during the peak period with average hourly speeds in the express lane estimated at 9 to 15 mph higher than the average hourly speeds in the general purposes lanes during the morning peak hours in the most congested segment of the corridor.

Background

The I-680 Southbound Express Lane facility spans over 14 miles from SR 84 near Pleasanton to SR 237 in the City of Milpitas. In addition to carpoolers who use the lane at no cost, it allows toll-paying solo drivers to benefit from optimized capacity, reduced congestion and increased travel time reliability. 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 fall 2010.

An All Electronic Toll (AET) collection method has been employed to collect tolls. Toll rates are calculated based on real-time traffic conditions (speed and volume) in HOV/express and general purposes lanes. California Highway Patrol officers continued to provide enforcement services while Caltrans provides roadway maintenance services, through reimbursable service agreements.

May 2016 Operation Update: The May update is included as Attachment A to this report. During the peak commute hour, the motorists in the express lane traveled with speeds approximately 9 to 15 mph faster than the motorists traveling in the general purpose lanes in the most congested segment of the corridor. Motorists in the express lane also

experienced much less congestion than the general purpose lanes during commute hours. This is measured by the vehicle density, the number of vehicles per mile per lane. During the morning commute, the express lane average density was significantly less than that of the general purpose lanes in the most congested segment in the corridor.

The May 2016 average toll rate to travel the length of the corridor from Andrade Road to Calaveras Boulevard was \$1.75 during all hours of operation (5:00 a.m. – 8:00 p.m.) and \$3.95 within the peak morning commute hours of 7:00 am – 11:00 am. Over 78,000 express lane users had active FasTrak toll tags; the average toll assessed was \$2.43.

Fiscal Impact: There is no fiscal impact.

Attachments

A. I-680 Southbound Express Lane May 2016 Operations Update

Staff Contact

[Liz Rutman](#), Express Lanes Operation and Maintenance Manager



**I-680 SB Express Lane
Monthly Operations Update**

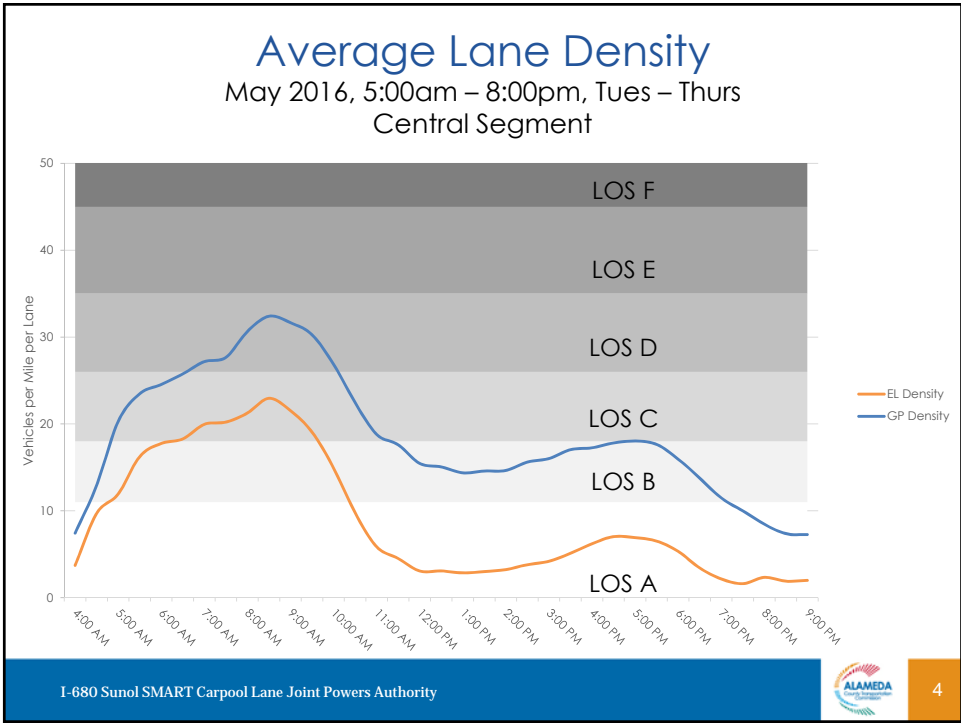
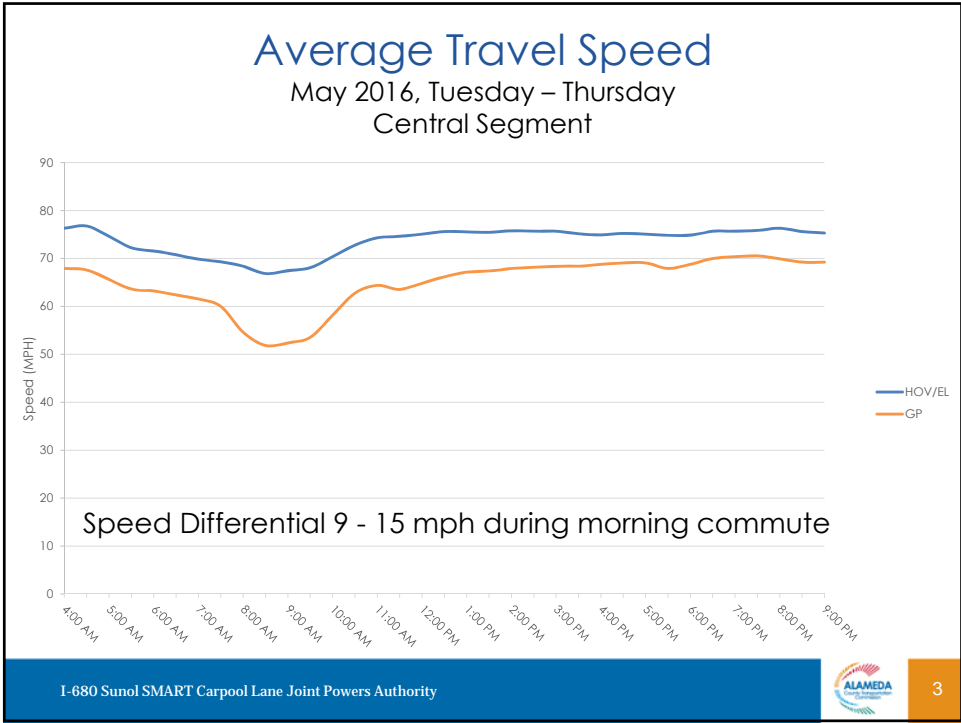
A Presentation for the
I-680 Sunol Smart Carpool Lane Joint Powers Authority (SSCLJPA)
July 11, 2016

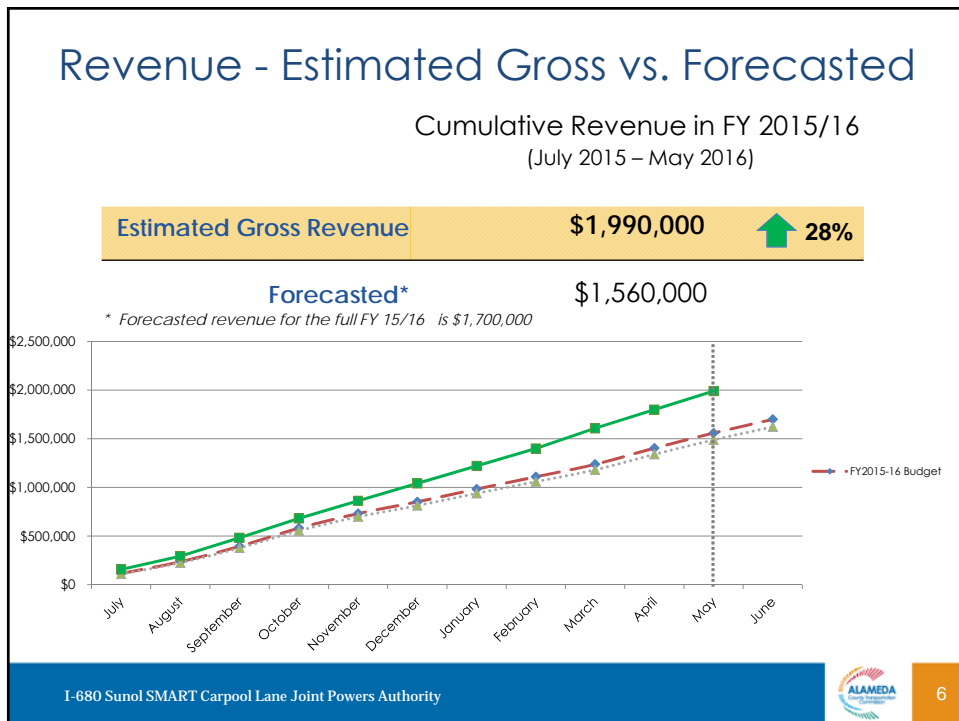
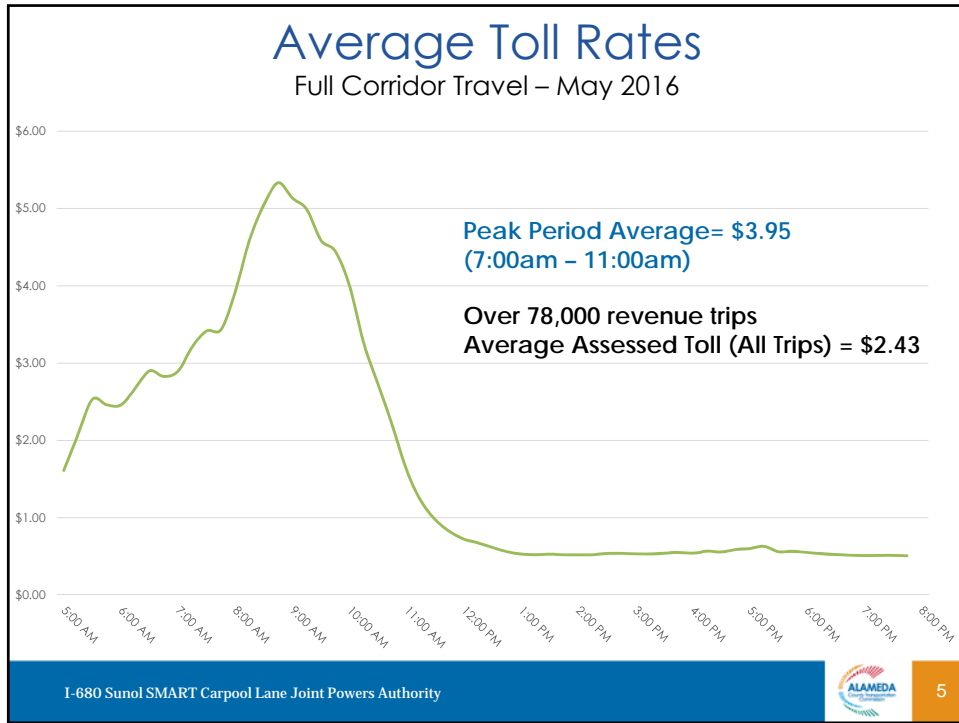


I-680 Express Lane

The Central Segment from Washington Blvd to South Mission Blvd (SR 262) is generally the most congested portion of the corridor.









Questions ?

I-680 Sunol SMART Carpool Lane Joint Powers Authority



7



Memorandum

5.3

1111 Broadway, Suite 800, Oakland, CA 94607

PH: (510) 208-7400

www.AlamedaCTC.org

DATE: July 5, 2016

SUBJECT: I-680 Northbound Express Lane (PN 1369.000): Monthly Status Update

RECOMMENDATION: Receive a monthly status update of the I-680 Northbound Express Lane Project.

Summary

The I-680 Northbound Express Lane Project will widen I-680 from SR 237 in Santa Clara County to SR 84 in Alameda County and construct a northbound High Occupancy Vehicle (HOV)/Express Lane in the corridor. This overall project will be implemented with a phased approach. The initial phase, Phase 1 Modified, of the project will complete design and construction of a 9-mile segment between south of Auto Mall Parkway and SR84. The purpose of this item is to provide the Commission with a monthly status update of project development activities which are either completed or planned for the project.

Background

The I-680 Northbound Express Lane 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 HOV/Express Lane in the corridor. The project is intended to 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.

Currently, there is heavy afternoon congestion on I-680 Northbound from Scotts Creek Boulevard to Andrade Road. Traffic studies have confirmed that this heavy congestion is caused by two bottleneck locations affecting northbound I-680 between SR 237 and SR 84 on weekday evening commutes between 2pm and 7pm. These bottleneck locations are: near Washington Boulevard and at the lane drop at the truck scales which is located between Sheridan Road and Andrade Road. The initial phase of construction, Phase 1 Modified, proposes to add a new HOV/Express Lane from south of Auto Mall Parkway to SR 84 to eliminate these bottleneck locations and alleviate much of the daily traffic congestion.

Alameda CTC, in partnership with Caltrans, is the implementing agency for preliminary engineering, environmental studies, design, right-of-way acquisition, and utility relocation.

The Environmental Document and Project Approval (PA&ED) for the overall project was completed in July 2015. The civil detailed design work is underway. The interviews to select a consultant/contractor to provide Toll System Integration services were conducted on January 20, 2016. Best and Final Offer negotiations have been completed. Commission approved execution of an Agreement with the top-ranked firm at the June 2016 Commission meeting. The following is a detailed discussion of work in progress and/or upcoming major tasks.

Project Implementation Approach

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 Phase 1 Modified project (south of Auto Mall Parkway to SR 84). Staff has developed a project delivery strategy to design and construct the Phase 1 Modified project based on immediate operational benefits and projected funding availability. In the interest of expediting important improvements for the public, Alameda CTC and Caltrans have agreed to incorporate a pavement rehabilitation project into the I-680 Northbound Express Lane Project - Phase 1 Modified Project.

Project activities anticipated over the next three months:

- Execute a new Agreement with the top-ranked Toll System Integrator
- Continue to finalize configuration of tolling zones and related sign locations (on-going)
- Continue preliminary toll system design and coordinate with civil design (on-going)
- Continue right of way appraisal activities and negotiations with the property owners (on-going)
- Complete foundation reports for bridge structures and retaining walls (July 2016).
- Complete soils investigation and hazardous waste material reports (July 2016).
- Complete environmental revalidation process to reflect Phase 1A implementation (November 2016)
- Prepare and submit 65% Plans, Specification & Estimate package to Caltrans (July 2016)
- Conduct a Constructability Review with the multidisciplinary team (August 2016)
- Continue to coordinate with PG&E, AT&T and Comcast regarding power and communication connection needs (on-going)

The Phase 1A schedule is as follows:

- Complete Final Design (PS&E): December 2016
- Construction contract advertisement: March 2017
- Construction: mid 2017 - late 2018
- System Integration: mid 2018 - late 2018
- Lane opening: late 2018/early 2019

Fiscal Impact: There is no significant fiscal impact. This is for information only.

Staff Contact

[Liz Rutman](#), Express Lanes Operation and Maintenance Manager

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