

I-580 EXPRESS LANE POLICY ADVISORY COMMITTEE

MEETING NOTICE

**Monday, February 14, 2011
9:45 a.m. Joint Meeting with
I-680 JPA**

Alameda CTC Board Room
1333 Broadway, Suite 300
Oakland, California 94612

Chair: Supervisor Scott Haggerty, County of Alameda
Vice Chair: Mayor Jennifer Hosterman, City of Pleasanton

Members:
Mayor Mark Green, City of Union City, Alameda CTC Chair
Mayor Marshall Kamena, City of Livermore
Mayor Tim Sbranti, City of Dublin

Staff Liaison: Frank R. Furger
Secretary: Christina Muller

AGENDA

Please note that items under Agenda Item A.0 will be taken up during the joint session with Sunol Smart Carpool Lane Joint Powers Authority Governing Board.

A.0 JOINT MEETING WITH SUNOL SMART CARPOOL LANE JOINT POWERS AUTHORITY (JPA) GOVERNING BOARD

A.1 Convene joint meeting with I-580 Express Lane Policy Advisory Committee (PAC)

A.2 PAC Roll Call – Confirm PAC Quorum (no action by JPA Board)

A.3 I-680 Express Lane Status Update*(Page 1)

Information

The Express Lane Facility opened on September 20th at 5 am. Attached is a summary of operations of the facility for the first 19 weeks of operations.

A.4 Update on Insurance Requirements for Express Lanes **

Discussion/Action

Staff will provide an up update at the meeting on insurance coverage for the JPA and Alameda CTC related to the Operations of the Express Lane.

A.5 Update on Automated Enforcement Options*(Page 5)

Information

Staff will provide an overview of automated enforcement options for the Express Lane.

A.6 Recess Joint Meeting

1.0 PUBLIC COMMENT

Members of the public may address the Committee during “Public Comment” on any item not on the agenda. Public comment on an agenda item will be heard when that item is before the Committee. Anyone wishing to comment should make his or her desire known to the Chair.

2.0 MINUTES OF JANUARY 10, 2011* (Page 7)

Action

The Committee is requested to approve the attached Minutes of January 10, 2011.

3.0 ADMINISTRATIVE MATTERS

There are no reports this month.

4.0 HOV/EXPRESS LANE PROJECT STATUS UPDATE

4.1 I-580 Tri-Valley Rapid Corridor Improvements

Information

Status Report for the I-580 Eastbound HOV Lane Project* (Page 9)

Attached for the Committee's review is the monthly status report for the I-580 Tri-Valley Rapid Corridor Improvements: Eastbound HOV lane- Segments 1 and 2, and the HOT lane Projects. The CMA is the sponsor of the HOV. However, the construction phase of the HOV lane is administered by Caltrans. The construction status report covers all activities through January 31, 2011.

5.0 ADJOURNMENT/NEXT MEETING: MARCH 14, 2011

* Materials enclosed

** Verbal presentation will be made or materials will be available at the meeting

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

PLEASE DO NOT WEAR SCENTED PRODUCTS SO INDIVIDUALS WITH ENVIRONMENTAL
SENSITIVITIES MAY ATTEND

Glossary of Acronyms

ABAG	Association of Bay Area Governments	MTS	Metropolitan Transportation System
ACCMA	Alameda County Congestion Management Agency	NEPA	National Environmental Policy Act
ACE	Altamont Commuter Express	NOP	Notice of Preparation
ACTA	Alameda County Transportation Authority (1986 Measure B authority)	PCI	Pavement Condition Index
ACTAC	Alameda County Technical Advisory Committee	PSR	Project Study Report
ACTC	Alameda County Transportation Commission	RM 2	Regional Measure 2 (Bridge toll)
ACTIA	Alameda County Transportation Improvement Authority (2000 Measure B authority)	RTIP	Regional Transportation Improvement Program
ADA	Americans with Disabilities Act	RTP	Regional Transportation Plan (MTC's Transportation 2035)
BAAQMD	Bay Area Air Quality Management District	SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act
BART	Bay Area Rapid Transit District	SCS	Sustainable Community Strategy
BRT	Bus Rapid Transit	SR	State Route
Caltrans	California Department of Transportation	SRS	Safe Routes to Schools
CEQA	California Environmental Quality Act	STA	State Transit Assistance
CIP	Capital Investment Program	STIP	State Transportation Improvement Program
CMAQ	Federal Congestion Mitigation and Air Quality	STP	Federal Surface Transportation Program
CMP	Congestion Management Program	TCM	Transportation Control Measures
CTC	California Transportation Commission	TCRP	Transportation Congestion Relief Program
EIR	Environmental Impact Report	TDA	Transportation Development Act
FHWA	Federal Highway Administration	TDM	Travel-Demand Management
FTA	Federal Transit Administration	TFCA	Transportation Fund for Clean Air
GHG	Greenhouse Gas	TIP	Federal Transportation Improvement Program
HOT	High occupancy toll	TLC	Transportation for Livable Communities
HOV	High occupancy vehicle	TMP	Traffic Management Plan
ITIP	State Interregional Transportation Improvement Program	TMS	Transportation Management System
LATIP	Local Area Transportation Improvement Program	TOD	Transit-Oriented Development
LAVTA	Livermore-Amador Valley Transportation Authority	TOS	Transportation Operations Systems
LOS	Level of service	TVTC	Tri Valley Transportation Committee
MTC	Metropolitan Transportation Commission	VHD	Vehicle Hours of Delay
		VMT	Vehicle miles traveled



1333 Broadway, Suites 220 & 300

Oakland, CA 94612

PH: (510) 208-7400

www.AlamedaCTC.org



Directions to the Offices of the Alameda County Transportation Commission:

**1333 Broadway, Suite 220
Oakland, CA 94612**

Public Transportation Access:

BART: City Center / 12th Street Station

AC Transit:

Lines 1,1R, 11, 12, 13, 14, 15, 18, 40, 51, 63, 72, 72M, 72R, 314, 800, 801, 802, 805, 840

Auto Access:

- Traveling South: Take 11th Street exit from I-980 to 11th Street
- Traveling North: Take 11th Street/Convention Center Exit from I-980 to 11th Street
- Parking:
City Center Garage –
Underground Parking,
(Parking entrances located on 11th or 14th Street)



**Alameda County
Transportation Commission
1333 Broadway, Suite 220
Oakland, CA 94612**

Memorandum

*February 14, 2011**Agenda Item A.3*

Date: February 2, 2011

To: **Sunol Smart Carpool Lane JPA**

From: Frank R. Furger, Executive Director

Subject: I-680 Express Lane: Update on Operations

Attached for the Board's review is a summary of the 19 weeks of operations of the I-680 Express Lanes.

Total Revenue through 19 weeks	\$257,470
Average Daily Revenue	\$ 2,710
Highest Daily Revenue – January 17	\$ 7,428
Total Trips through 19 weeks	120,065
Average Number of Trips per day	1,264
Highest Number of Trips per day – January 20	2,024
Average Toll	\$2.14
Average Peak Period Toll	\$2.41
Average Off Peak Toll	\$0.49
Range of Tolls	\$0.30 - \$7.50

- The 100,000th trip on the Express Lane was taken on January 13th.
- The highest daily trip total to date – 2,024 – was recorded on January 20th
- The highest revenue day to date was recorded on January 17th - \$7,428

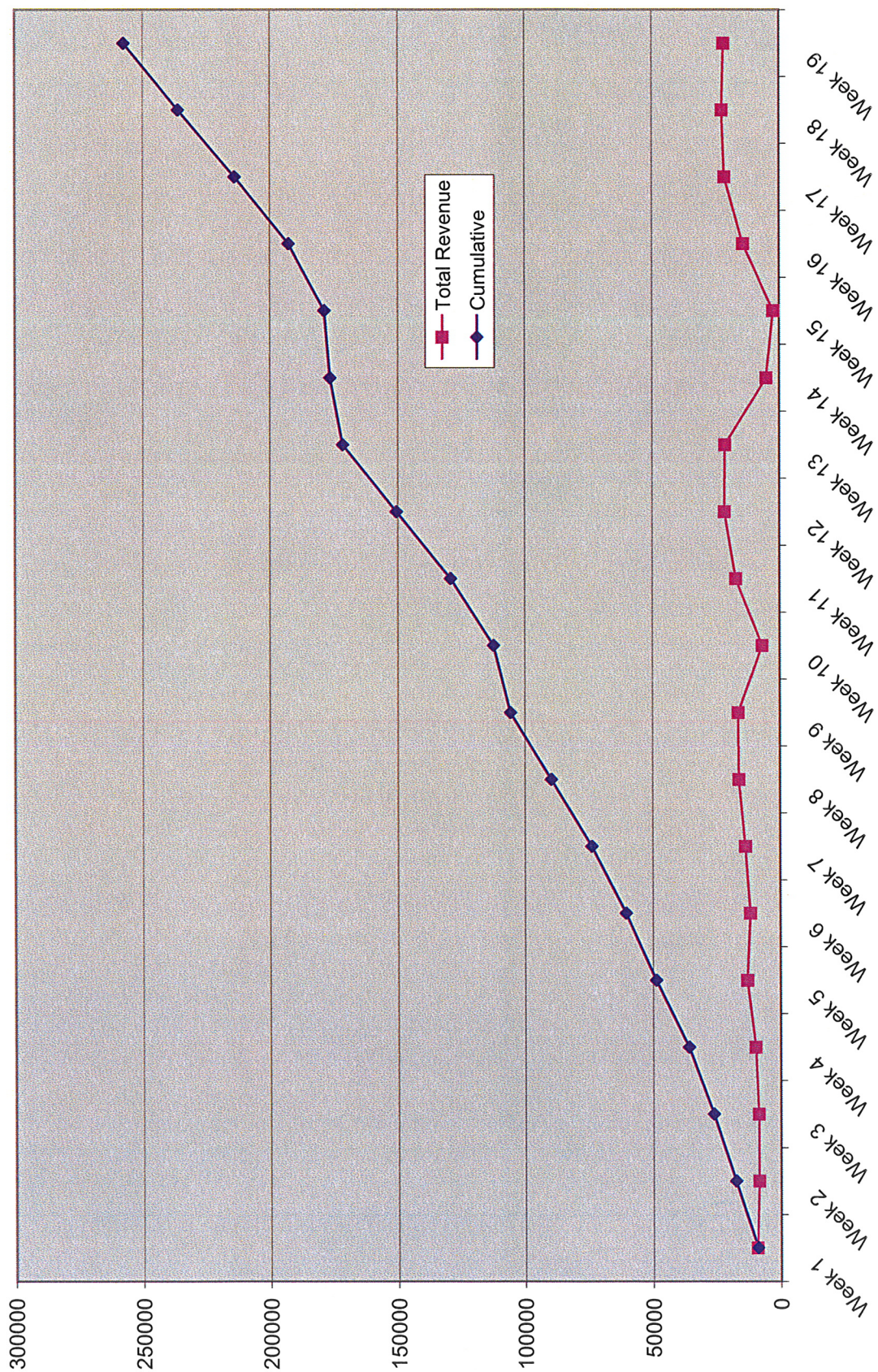
Attachments

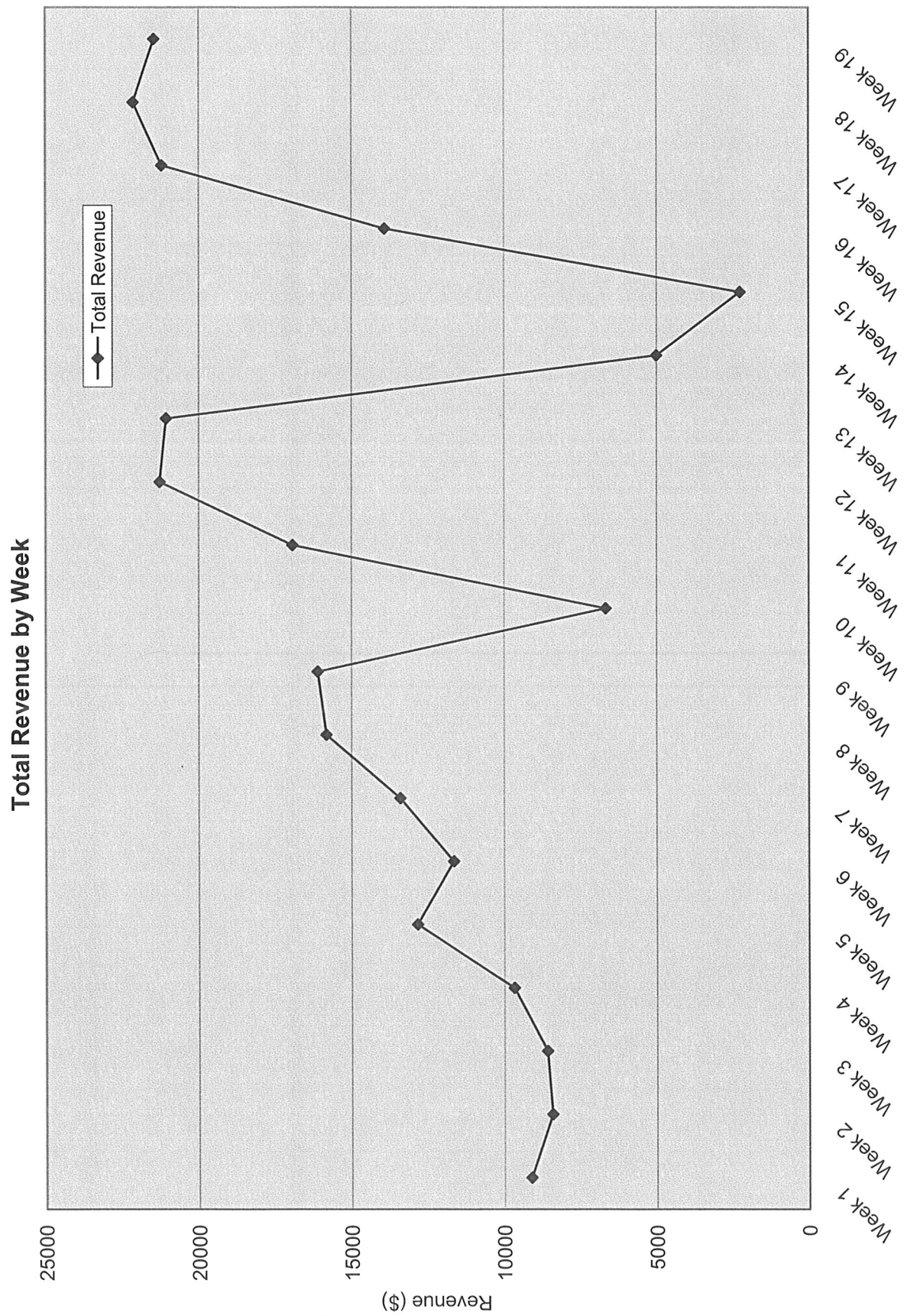
Cumulative Revenue by Week

Total Revenue by Week

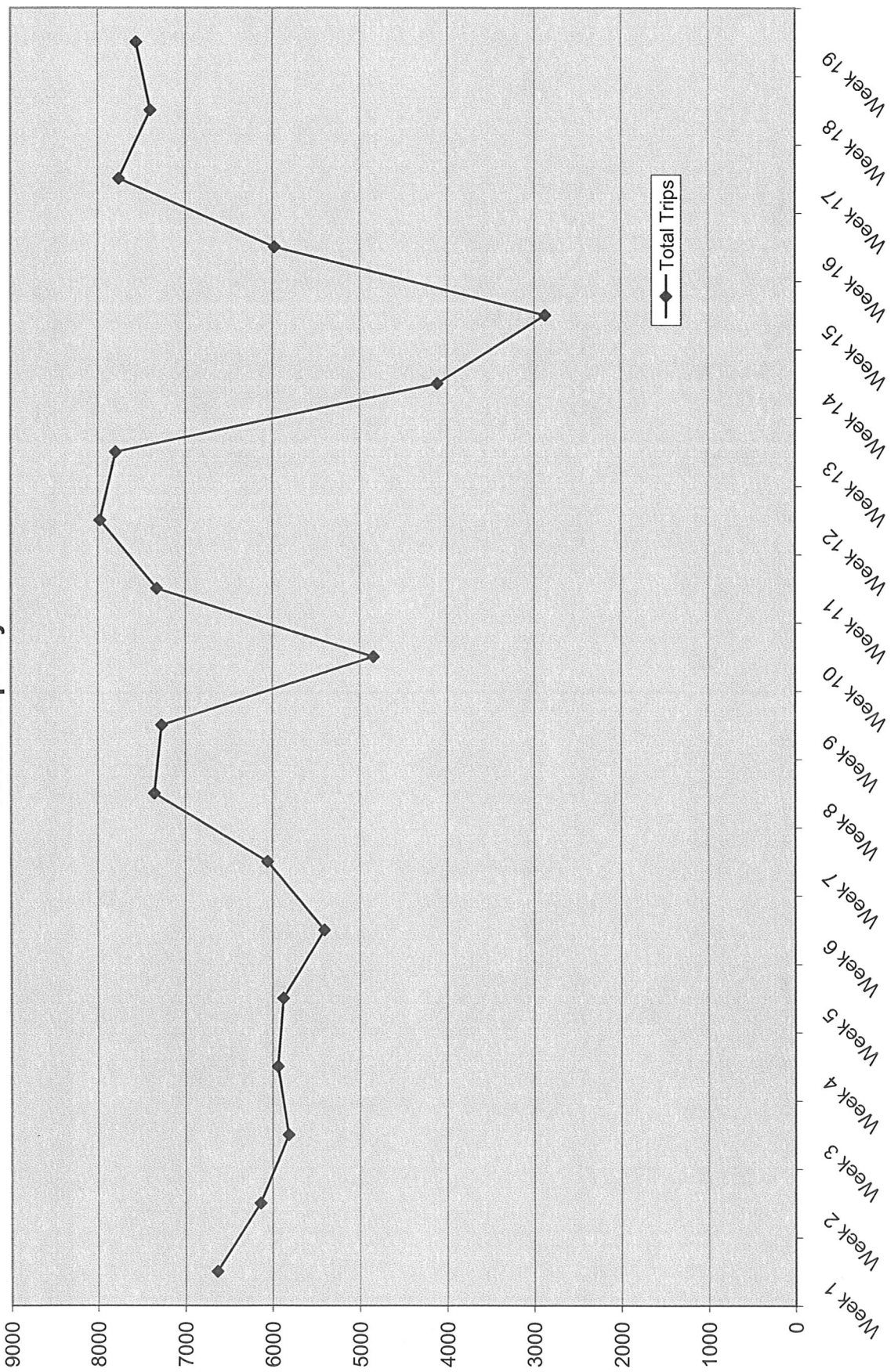
Total Trips by Week

Cumulative Revenue by Week





Total Trips by Week



Memorandum

*February 14, 2011
Agenda Item A.5*

Date: February 2, 2011

To: **Sunol Smart Carpool Lane JPA**

From: Frank R. Furger, Executive Director

Subject: Options for Automated Enforcement of the Express Lane

The enforcement of the Express Lane is currently being performed by the California Highway Patrol (CHP). The agreement between the JPA and the CHP calls for additional CHP enforcement on an overtime basis at a cost of approximately \$300,000 per year.

Staff is investigating the option of automated enforcement that could be implemented on the Express Lane and may allow for reduction in the CHP enforcement costs.

Existing Fastrak Reader and Enforcement Readers

The existing configuration on the I-680 Express Lane has Fastrak readers at each of the 3 toll zones: Andrade, Washington and Mission. These readers are linked to the Toll Data Center (TDC) and the accounts of vehicles passing under the readers with a valid Fastrak transponder are charged the appropriate toll based on the published toll rate and the length of their trip. Additionally, there are readers at each of the 4 enforcement zones. The enforcement zone readers are not linked to the TDC and are used only as an aid to the CHP for enforcement by determining if a vehicle has a valid Fastrak transponder.

With the current configuration, vehicles that enter or exit the lane illegally by crossing over the solid striped buffer can avoid being charged a toll.

Options for Automated enforcement:

Installation of additional readers

- Installation of additional readers and cameras within EL Limits
- All readers are linked electronically
- Vehicles that pass under a reader without a valid tag read at a previous reader would have a picture taken of license plate
- Violation notices would be sent out based on license plate recognition
- Process could identify vehicles that illegally swerve in and out of lane
- Process would not identify non-carpool vehicles that enter the lane without a Fastrak transponder

Installation of field video cameras

- Video cameras are installed at each of the entry points and at intervals throughout the corridor
- Cameras record license plates of all vehicles traversing lane
- Software identifies which license plates were not recorded at entry points or at each successive read zone
- Operator reviews video for possible violators and violation notice is generated
- System is not dependent on vehicle having a Fastrak to identify violators

Installation of vehicle occupancy equipment

- Equipment uses video and infrared technology to determine occupancy of vehicle
- Cameras are placed at entry points and throughout corridor
- Citations issued to SOVs that do not have valid Fastrak transponder
- Technology is still in the developmental stage

Additional information on these options will be presented at the meeting.

**I-580 EXPRESS LANE POLICY ADVISORY COMMITTEE
MINUTES OF JANUARY 10, 2011**

A.0 JOINT MEETING WITH SUNOL SMART CARPOOL LANE JOINT POWERS AUTHORITY (JPA) GOVERNING BOARD

A.1 Convene joint meeting with I-580 Express Lane Policy Advisory Committee (PAC)

Chair Supervisor Haggerty convened the joint meeting with Sunol SMART Carpool Lane Joint Powers Authority (JPA) Governing Board.

A.2 PAC Roll Call – Confirm PAC Quorum (no action by JPA Board)

Muller conducted the roll call and confirmed a quorum.

A.3 I-680 Express Lane Status Update

Furger provided a power point presentation reflecting “15 Week Summary” of the facts and figures collected from September 20, 2010 to December 31, 2010.

Haggerty inquired if there was currently a license plate recognition system in place. Furger advised the JPA Board that he is investigating this technology and will report back to the Board.

Furger discussed the CHP enforcement along the corridor and addressed questions from the Board members on CHP enforcement.

A.4 Summary of Fastrak Promotional Credit

Furger reviewed his memorandum dated December 24, 2010, which summarized the outcome of the Fastrak Promotional Credit.

A. 5 Caltrans Proposed Changes to Managed Lane Policy

Furger requested the I-680 JPA Board and the I-580 Policy Advisory Committee to review and comment on the proposed changes to the Caltrans Managed Lanes Policy and to take an action in support of a change to state statute to provide consistency between the state and federal guidelines for striping standards on managed lanes. A motion was made by Sbranti to approve staff recommendations; a second was made by McHugh. The motion passed unanimously.

A.6 Caltrans Plan for Ramp Metering in the Corridor

Sean Nozzari, Caltrans, presented to the JPA Board a power point presentation of the Ramp Metering Plan for the I-680 Corridor.

A.7 Review of Operations of Other Express Lane Facilities

Due to time constraints Haggerty and staff agreed to skip this item.

A.8 Recess Joint Meeting

Chair Haggerty adjourned the Sunol SMART Carpool Lane Joint Powers Authority Governing Board meeting until February 14, 2011, and reconvened the I-580 Express Lane Policy Advisory Committee.

1.0 PUBLIC COMMENT

Members of the public may address the Committee during "Public Comment" on any item not on the agenda. Public comment on an agenda item will be heard when that item is before the Committee. Anyone wishing to comment should make his or her desire known to the Chair.

2.0 MINUTES OF NOVEMBER 8, 2010

A motion was made by Green to approve the Minutes of November 8, 2010; a second was made by Sbranti. The motion passed unanimously.

3.0 ADMINISTRATIVE MATTERS

3.1 Election of Chair and Vice-Chair

A motion was made by Green to continue with the current Chair (Haggerty) and Vice Chair (Hosterman); a second was made by Kamena. There were no other nominations. The nominations were closed. The motion passed unanimously.

4.0 HOV/EXPRESS LANE PROJECT STATUS UPDATE

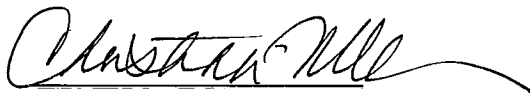
4.1 I-580 Tri-Valley Rapid Corridor Improvements Status Report for the I-580 Eastbound HOV Lane Project

Akkawi reviewed the monthly status report for the I-580 Tri-Valley Rapid Corridor Improvements: Eastbound HOV lane- Segments 1 and 2, and the HOT lane Projects. Completion is scheduled for early February 2011, and contract acceptance is scheduled for March 2011.

5.0 ADJOURNMENT/NEXT MEETING: FEBRUARY 14, 2011

The next I-580 Policy Advisory Committee meet is scheduled for February 14, 2011.

Attested by:



Christina Muller,
I-680 JPA Secretary

**SUNOL SMART CARPOOL LANE
JOINT POWERS AUTHORITY
GOVERNING BOARD**

January 10, 2011
ACTIA/CTC Board Room
1333 Broadway, Suite 300, Oakland, CA

MEMBERS	Initials	CMA STAFF	Initials
Supervisor Scott Haggerty, ACTIA, Char JPA	<i>SH</i>	Art Dao, Executive Director	<i>ad</i>
Council Member Bill Harrison, ACTIA, Vice Chair	<i>BH</i>	Frank Furger, Chief Deputy Director	<i>FF</i>
Mayor Mark Green, ACCMA	<i>MG</i>	Ray Akkawi, Mgr of Project Delivery	<i>RA</i>
Mayor Jennifer Hosterman, ACCMA	<i>JH</i>	Christina Muller, Secretary	<i>CM</i>
Vice Mayor Pete McHugh, VTA	<i>PM</i>	Claudia Leyre, Myrna Portillo, Administrative Assistant	<i>CDL</i>

LEGAL COUNSEL/OTHERS	Initials
Zack Wasserman - WRBD <i>Pamela Mink</i>	<i>W</i>
Neal Parish, - WRBD	<i>NP</i>
Leo Scott - Gray-Bowen, Inc	
Emily Landin-Lowe - Caltrans	<i>EL</i>
Mark Zabaneh - Caltrans	

Name	Jurisdiction/Organization	Phone #	E-mail
1. <i>David Seriani</i>	<i>Caltrans</i>	<i>510-286-4653</i>	<i>David.Seriani@caltrans.ca.gov</i>
2. <i>Sean Nozzari</i>	<i>Caltrans</i>	<i>510-286-6345</i>	<i>snozzari@caltrans.ca.gov</i>
3. <i>Adrian Levy</i>	<i>Caltrans</i>	<i>510-622-0109</i>	<i>Adrian.Levy@dot.ca.gov</i>
4. <i>STEVEN JANS</i>	<i>ACTC</i>	<i>510.336-2560</i>	<i>STJANS@ACCMA.CA.GOV</i>
5. <i>Libby Hendrickson</i>	<i>ACTC</i>	<i>350-2331</i>	<i>lhendrickson@accma.ca.gov</i>
6. <i>Ramsey Hissom</i>	<i>URS</i>	<i>408-297-5885</i>	<i>ramsey.hissom@urscorp.com</i>
7. <i>Dawn Argue</i>	<i>Alameda County</i>	<i>925-551-6995</i>	<i>dawn.argue@acgov.org</i>
8. <i>Casey Emoto</i>	<i>VTA</i>	<i>408 321 5564</i>	<i>casey.emoto@vta.org</i>
9. <i>Scott Haywood</i>	<i>VTA</i>	<i>408/321-7544</i>	<i>scott.haywood@vta.org</i>
10. <i>Steve Chan</i>	<i>Milpitas</i>	<i>408 586-3324</i>	<i>schan@ci.milpitas.ca.gov</i>

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Memorandum

**February 14, 2011
Agenda Item 4.1**

Date: February 7, 2011

To: I-580 Express Lane Policy Advisory Committee

From: Ray Akkawi, Manager of Project Delivery

Subject: I-580 Tri-Valley Rapid Corridor Improvements: Status Report for the I-580 Eastbound HOV Lane Project.

Attached for the Committee's review is the monthly status report for the I-580 Tri-Valley Rapid Corridor Improvements: Eastbound HOV lane- Segments 1 and 2, and the HOT lane Projects. The CMA is the sponsor of the HOV. However, the construction phase of the HOV lane is administered by Caltrans. The construction status report covers all activities through January 31, 2011.

I-580 HOV LANE PROJECT

Construction Status Report

Through January, 2011

PROJECT DESCRIPTION

The EB I-580 HOV Lane project will construct an HOV lane in the median from Hacienda Blvd in the City of Dublin to Greenville Road in the City of Livermore. The project will construct auxiliary lanes between Fallon and Airway, the new Isabel interchange and North Livermore, North Livermore and First Street, and First Street and Vasco. To receive competitive bidding and complete the project sooner, the CMA split the project into two smaller construction segments. Segment 1 limits are from Greenville Road to Portola Ave. Segment 2 limits are from Portola Ave to Hacienda Blvd. To comply with the CMIA scope, a third contract was added to construct the auxiliary lanes between the new Isabel interchange and First Street. Funding for the third contract came from bid savings from contract one and revising the estimates for contract 2.

PROJECT FUNDING

The I-580 EB HOV is fully funded through Federal, State, and local funds available for the I-580 Corridor.

CONSTRUCTION STATUS

Segment 1: The construction contract of this segment (from Greenville Road to Portola Avenue) was completed on February 2, 2010.

Segment 2: This segment of the I-580 Eastbound HOV Lane project will construct an eastbound HOV lane from Portola Avenue in the City of Livermore to the Hacienda Blvd interchange in the City of Dublin. The project will widen the inside and outside shoulders to accommodate the conversion of the HOV lane to High Occupancy Toll (HOT) lane. It will construct auxiliary lanes from Airway to Fallon and from Fallon to Santa Rita, and will also rehabilitate the existing pavement to provide a better roadway surface.

Contract Status:

Contract #2 was awarded by Caltrans on July 29, 2009 to in the amount of \$30,454,448. The contract work started on August 21, 2009 and the estimated contractual completion date is August 25, 2011. The HOV Lane between Portola Ave and Airway Blvd was opened to traffic on July 18, 2010. The remainder of the HOV, between Airway and Hacienda was opened on November 5, 2010. While the HOV lane is opened, there are other works the needed to be completed before Caltrans can accept the contract. It is anticipated that the contract will be completed in March 2011.

FINANCIAL STATUS

Budget and Expenditure Summary/ Construction Phase

The table below is the breakdown of the funding allocation.

Contract 2	
Bid Amount	\$30,454,448
ALLOCATION:	
Supplemental Funds	\$1,860,450
State Furnished Mat.	\$1,271,600
Contingency Fund (5%)	\$1,616,502
Total Allotment	\$35,203,000
EXPENDITURES:	
Items Paid to Date	\$31,106,240
Approved CCOs	\$1,240,418
Supplemental work	\$1,040,700
State Furnished Material	\$0
Total Estimated Expenditures	\$33,387,358
Estimated Fund Balance (Allocation – Expenditures)	\$1,815,642

SCHEDULE STATUS

	Contract 2
<i>Bid Opening:</i>	June 3, 2009
<i>Contract Approval:</i>	July 29, 2009
<i>Total Working Days per Bid</i>	490
<i>First Charged Working Day</i>	August 21, 2009
<i>Contractual Completion Date:</i>	August 18, 2011
<i>Time Extension due to Weather Days:</i>	20 Working Days
<i>Time Extension due to Change orders:</i>	00 Working Days
<i>% Completion (Time):</i>	70%
<i>% Completion (Work):</i>	95%

OUTSTANDING ISSUES/DISPUTES/CLAIMS

All issues related to the coordination with Isabel Interchange project were resolved.

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