



Meeting Notice

1111 Broadway, Suite 800, Oakland, CA 94607

• 510.208.7400

• www.AlamedaCTC.org

Commission Chair
Supervisor Scott Haggerty, District 1

Commission Vice Chair
Councilmember Rebecca Kaplan,
City of Oakland

AC Transit
Director Elsa Ortiz

Alameda County
Supervisor Richard Valle, District 2
Supervisor Wilma Chan, District 3
Supervisor Nate Miley, District 4
Supervisor Keith Carson, District 5

BART
Director Thomas Blalock

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Mayor Trish Spencer

City of Albany
Vice Mayor Peter Maass

City of Berkeley
Councilmember Laurie Capitelli

City of Dublin
Mayor David Haubert

City of Emeryville
Mayor Ruth Atkin

City of Fremont
Mayor Bill Harrison

City of Hayward
Mayor Barbara Halliday

City of Livermore
Mayor John Marchand

City of Newark
Councilmember Luis Freitas

City of Oakland
Vice Mayor Larry Reid

City of Piedmont
Mayor Margaret Fujioka

City of Pleasanton
Mayor Jerry Thorne

City of San Leandro
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, March 9, 2015, 9:30 a.m.

**1111 Broadway, Suite 800
Oakland, CA 94607**

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.

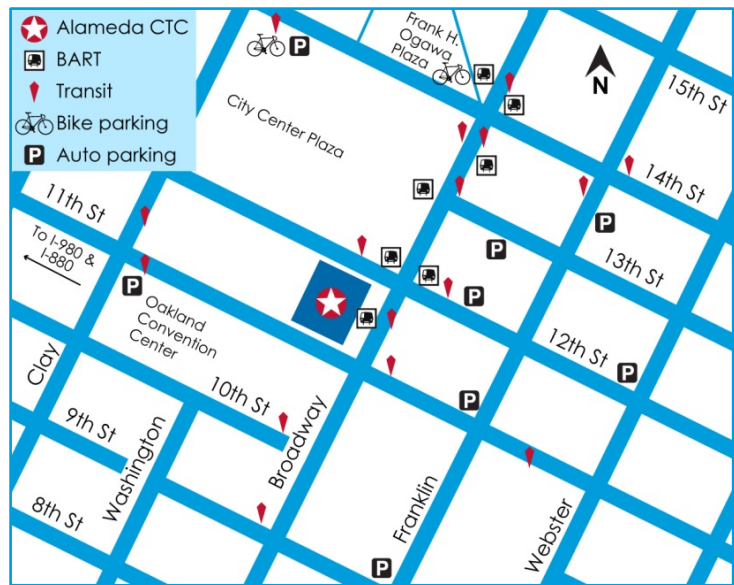
Glossary of Acronyms

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, March 9, 2015, 9:30 a.m.

1111 Broadway, Suite 800, Oakland, CA 94607

• PH: (510) 208-7400

• www.AlamedaCTC.org

1. Pledge of Allegiance

2. Roll Call

3. Public Comment

Chair: Mayor Jerry Thorne, City of Pleasanton

Vice Chair: Mayor David Haubert, City of Dublin

Commissioners/Members: Scott Haggerty, Bill Harrison, Gail Price (Santa Clara Valley Transportation Authority),

Staff Liaison: Stewart D. Ng

Executive Director: Arthur L. Dao

Clerk: Vanessa Lee

4. Consent Calendar

Page A/I

4.1. [February 9, 2015 I-680 Sunol SMART Carpool Lane JPA Meeting Minutes](#)

1

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Recommendation: Approve the February 9, 2015 meeting minutes.

5. Regular Matters

5.1. [I-680 Southbound Express Lane \(PN 710.5\): Monthly Operations Update](#)

3

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5.2. [I-680 Northbound Express Lane \(PN 721.0\): Monthly Status Update](#)

21

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6. Committee Member Reports (Verbal)

7. Staff Reports (Verbal)

8. Adjournment

Next Meeting: April 13, 2015

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, February 9, 2015, 9:30 a.m.

4.1

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

1. Pledge of Allegiance

2. Roll Call

A roll call was conducted. All members were present with the exception of Gail Price of VTA.

3. Public Comment

Commissioner Haggerty requested that staff coordinate with VTA to ensure that the appointed VTA representative was present at the meetings.

4. Consent Calendar

4.1. January 12, 2015 I-680 Sunol SMART Carpool Lane JPA Meeting Minutes

Commissioner Haggerty moved to approve the Consent Calendar. Commissioner Haubert seconded the motion. The motion passed unanimously (Price absent).

5. Regular Matters

5.1. Sunol Smart Carpool Lane Statement of Revenues and Expenses as of December 31, 2014

Patricia Reavey recommended that the Authority approve the Sunol Smart Carpool Lane Statement of Revenues and Expenses as of December 31, 2014. She stated that net toll revenue was \$1,005,467 and Measure B Grant Revenue was \$202,799. Patricia stated that there was also an insurance settlement of \$21,380 included as revenue resulting in total operating revenues of \$1,229,646. She informed the members that expenses through the second quarter were \$970,668 which resulted in an increase net position of \$258,978.

Commissioner Haggerty wanted to know what happens if the contingency balance isn't used. Patricia stated that if the contingency balance goes unused, the balance goes back into the general fund.

Commissioner Haggerty moved to approve this item. Commissioner Haubert seconded the motion. The motion passed unanimously (Harrison and Price absent).

5.2. I-680 Northbound Express Lane (PN 721.0): Monthly Status Update

Susan Chang provided an update on the I-680 Northbound Express Lane. She stated that all environmental, traffic, and engineering studies and reports have been completed and approved. Susan stated that the comment period for the draft EIR/EA closed January 23, 2014 and thirteen comments were received. She concluded her update by reviewing the project schedule and informing the committee that construction activities likely will begin in late 2016/early 2017.

Commissioner Haggerty wanted to know how congestion would be addressed during construction. Susan stated that in addition to night construction, there will be barriers put in place to separate the construction and live traffic. No lanes will be obstructed.

This item was for information only.

5.3. I-680 Southbound Express Lane (PN 710.5): Monthly Operations Update

Arun Goel presented the I-680 Southbound Express Lane Monthly Operations Update. He provided a brief overview of the objective of the lane as well as express lane highlights for the month of December 2014. Arun provided information on average daily speed curves, average daily toll trips and the most congested day in the month. He also covered corridor throughput year-over-year comparisons, revenue, and incident management.

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, March 9, 2015 @ 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: March 2, 2015

SUBJECT: I-680 Southbound Express Lane (PN 710.5): Monthly Operations Update

RECOMMENDATION: Receive an operation update on 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 the January 2015 Monthly Operations Update of the express lane facility included as Attachment A. This item is for information only.

Review of January 2015 daily trips and revenue reports indicates that the express lane facility continued to provide travel reliability (speed and time savings) in the lane, and improved traffic operations within the corridor, including in the general purpose lanes. Corridor traffic and congestion remains lighter than prior to the November-December 2014 holiday period.

Year over year performance matrices demonstrate that the average daily number of toll paying trips increased; however, a slight decrease was noted in corridor vehicle throughput. This is an indication that solo drivers continue to choose to utilize the Express Lane to experience the travel reliability and time savings. The average travel speed in the Express Lane continues to remain steady, on average maintaining at or above the posted speed limit.

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, and allows toll-paying solo drivers in addition to carpoolers (who use the lane at no cost) to benefit from optimized capacity, reduced congestion and increased travel time reliability. The facility was opened in September 2010 and is the first operational express lane facility in Northern California; it is one of a few in the nation to have a shared toll and non-toll facility. Constructed within the restricted right-of-way, the facility has no physical barrier between the general purpose lanes and the express lane, but is separated by a double white stripe. The Alameda CTC, acting as the managing agency for the Sunol JPA has been operating the express lane facility since it has opened to traffic.

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Since the opening, approximate 2.4 million solo drivers have reached their destinations by traveling at speeds that are typically near 14 miles per hour faster (several segments within the 14 mile corridor experience speeds over 24 miles per hour faster) than what motorists experience in the general purpose lanes during peak commute hour. During traffic incidents and severe congestion the express lane continues to experience high performance and no degradation in reliability or travel time.

Tolls are collected via FasTrak® transponders that are automatically read by readers mounted on overhead gantries. Currently, the I-680 Express Lane includes five FasTrak® readers: one at each toll zone (at Andrade, Washington and Mission), and two at stand-alone enforcement zones (south of Vargas and south of Scott Creek). Readers at the toll zones are linked to the Toll Data Center (TDC). The accounts of vehicles passing through with valid FasTrak® transponders are charged the appropriate toll for the length of their trip, based on the toll rates published via dynamic message signs. Toll rates are calculated by a computerized real-time dynamic pricing model. The enforcement zone readers are not linked to the TDC and are used to aid CHP enforcement by determining if a vehicle has a valid FasTrak® transponder.

Fiscal Impact: There is no fiscal impact.

Attachments

A. I-680 Southbound Express Lane January 2015 Operations Update

Staff Contact

[Stewart Ng](#), Deputy Director of Programming and Projects

[Arun Goel](#), Express Lane Operations

I-680 SB Express Lane Monthly Operations January 2015 Update



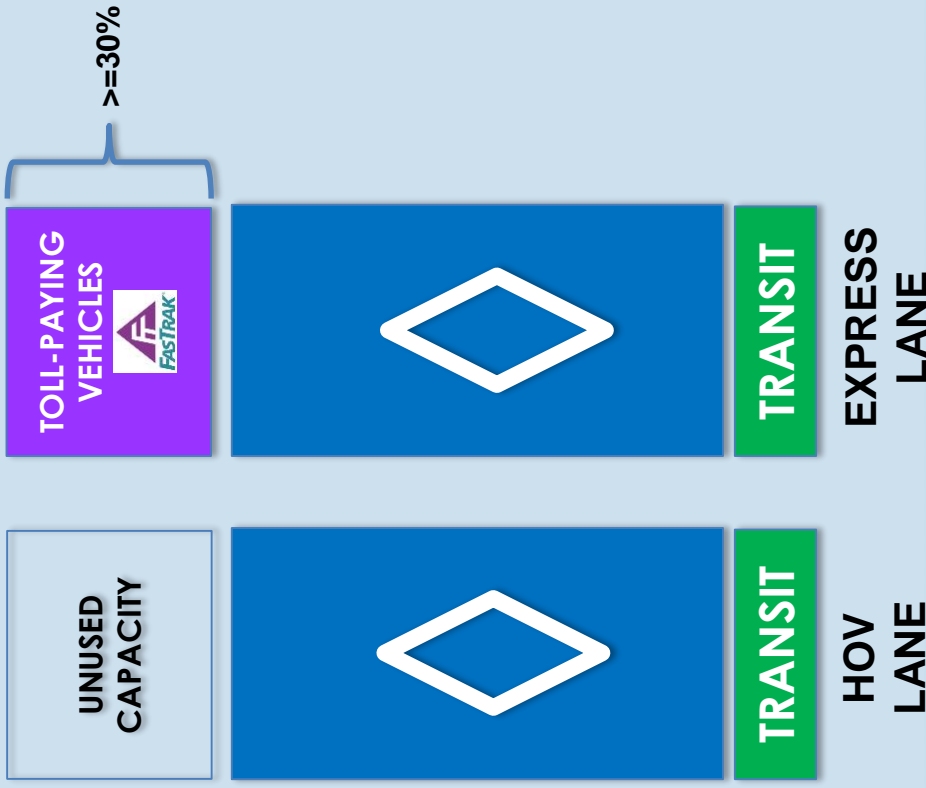
A Presentation for the
I-680 Sunol Smart Carpool Lane Joint Powers Authority (SSCLJPA)
March 9, 2015



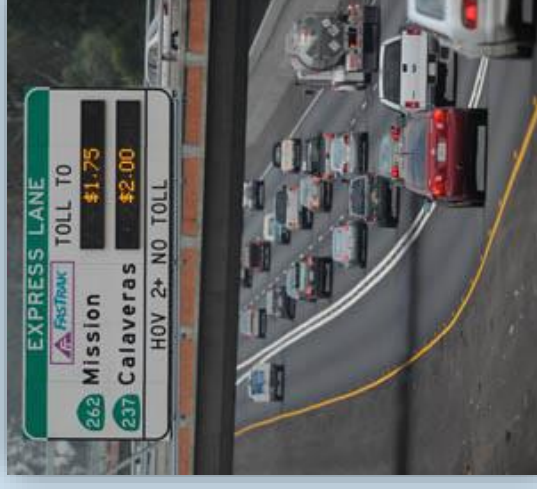
Express Lane Objective

Improve Corridor Mobility and Expand Choices

LANE CAPACITY



- Utilize unused capacity
- Provide an alternative with more reliable travel times
- Encourage HOV use



*Graphics are not to scale

Express Lane January 2015 Highlights

- Since 2010: **2.42 million solo drivers**
 - Average Speed: **>65 MPH**
 - Average Work Week Trips: **Slightly Higher**
 - Max GP Comparison: **>14 MPH**
 - Toll Paying Users: **>2,814 (avg. daily)**
- >80% Repeat Customer → >93% Revenue**



Corridor Throughput Year Over Year Comparison by Month

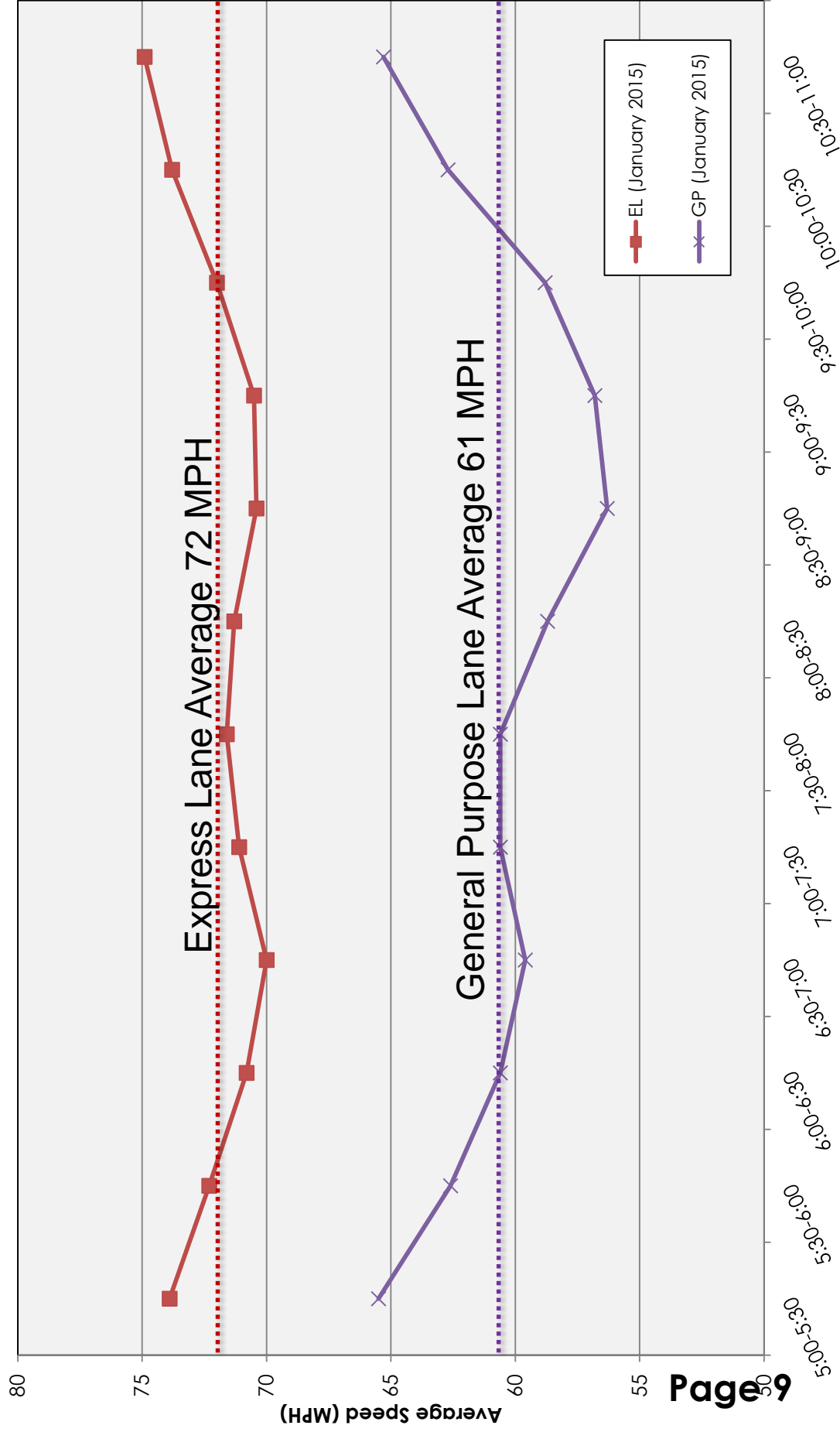
| | January 2014 | January 2015 |
|--------------------------------|-----------------|-----------------|
| Average Peak Hour Volume (vph) | 6,965 vph | ↓ 1.2% |
| Corridor Vehicle Throughput | | 6,880 vph |

Average Peak Hour Usage (Against Corridor Capacity)



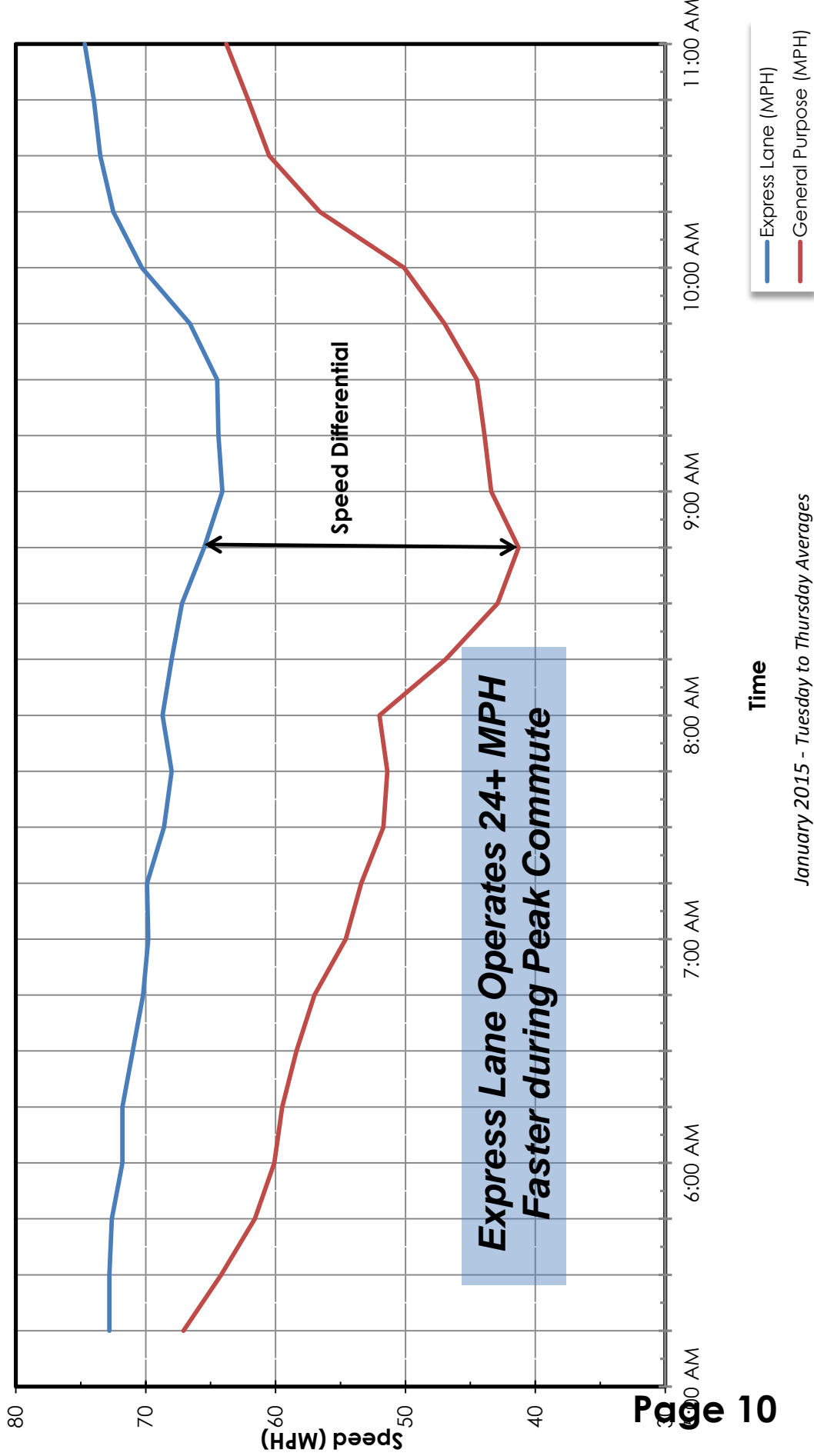
| | | | |
|------------------|-----|---|-----|
| GP Lanes | 99% | ↓ | 93% |
| HOV/Express Lane | 61% | ↓ | 58% |
| Corridor | 91% | | 90% |

January 2015 Average Travel Speed (Within 14-mile Express Lane Facility)



Average Daily Speed Curves During Peak Commute Period

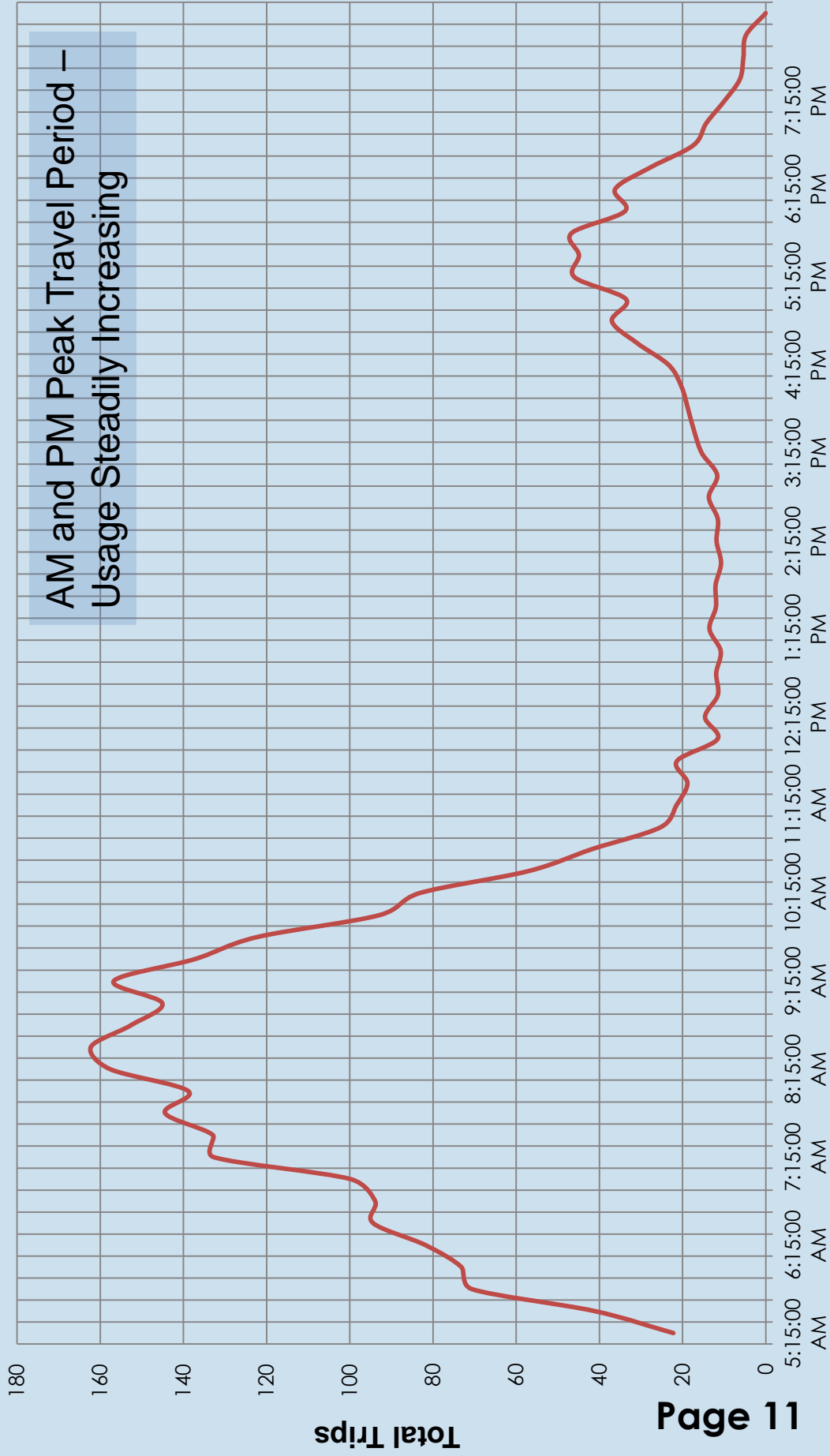
Central Segment (Washington to Mission)



Average Daily Toll Trips

January 2015

(Tuesday to Thursday from 5 AM to 8 PM)



Revenue (Estimated Gross vs. Forecasted)

Revenue in FY 2014/15
(January 2015)

Estimated Gross Revenue **\$1,130,000** **↑ 35%**

Forecasted* **\$840,000**

* Forecasted revenue for the full FY 14/15 is \$1,449,000



Incident Management

CHP Traffic Incident Information Page

Resources: Searchers, Custom Region, Choose One, OK, Choose One, OK

Custom Region: Edit Custom Region, Number of Incidents: 5

Auto Refresh Off, List, Map

| No. | Time | Type | Location | Location Desc | Area |
|-------|------|---------|-----------------------------|--------------------------------------|--------|
| 24343 | 0072 | 9:49 AM | Traffic Hazard | 1530 W / 1530 W N Livermore Ave Off | Dublin |
| 24343 | 0083 | 9:45 AM | Traffic Collision-No Inj | 1530 W / 1530 W 1530 W Don | Dublin |
| 24343 | 0070 | 9:26 AM | Traffic Hazard | 1530 W / 1530 W Santa Rosa Rd N Off | Dublin |
| 24343 | 0070 | 9:15 AM | Traffic Collision-Minor Inj | 1530 N / 1530 N Washington Blvd Off | Dublin |
| 24343 | 0025 | 8:54 AM | Traffic Collision-No Inj | 1530 W / 1530 W Springfield Blvd Off | Dublin |

Incident: 00070 Type: Tric. Collision-Minor Inj Location: 1650 N / 1650 N Washington Blvd Off Loc Desc: SB 680 JWO WASHINGTON Lat/Lon: 37.531182 121.941175 [Close]

Detail Information

10:05 AM 9:19 [Rotation Request Comment] 1039 AMPM TOWING 800 511 4895 SO 091 [Shared]

9:46 AM 8:19 [A115-56AM ROWY CLR / REQ 3A FOR BLK ACUS SUV W/ FRNT END DAMAGE] [Shared]

9:31 AM 7:15 [LATE ENTRY 1039 1141 AT 0917] [Shared]

9:30 AM 6:14 [Rotation Request Comment] 1039 TO WALKS MISSION PASS FOR 2 FBS ON EXP [Shared]

9:17 AM 5:17 [2 FB 1185 ON EXP] [Shared]

9:16 AM 4:14 [SLK UNK]

9:16 AM 3:15 [Aspen]

9:15 AM 2:12 [Aspen]

9:15 AM 1:11 4 VEH

Unit Information

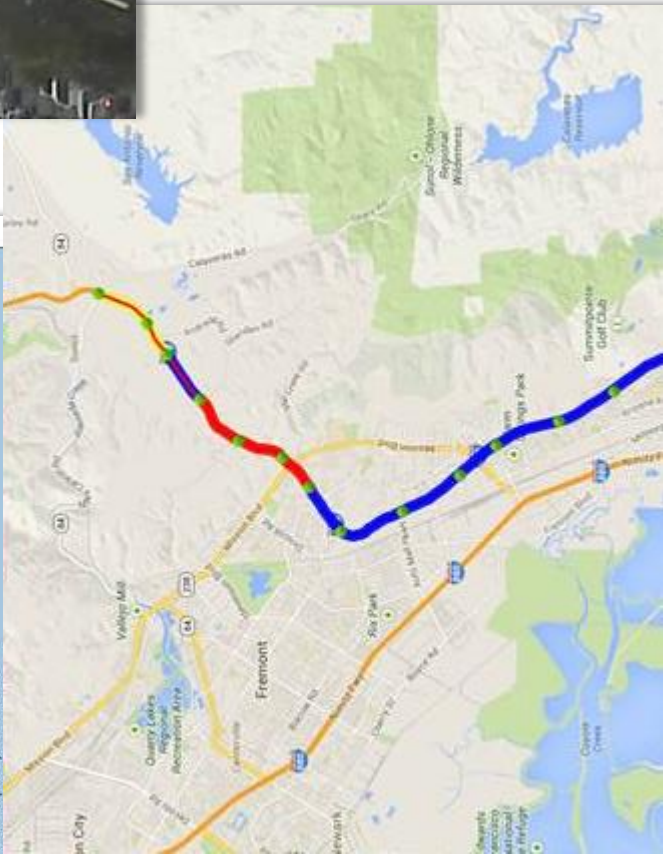
9:15 AM 5 Unit Assign

9:15 AM 4 Unit Enroll

9:15 AM 3 Unit At Scp

9:21 AM 2 Unit Assign

9:21 AM 1 Unit At Scp



Incident Management

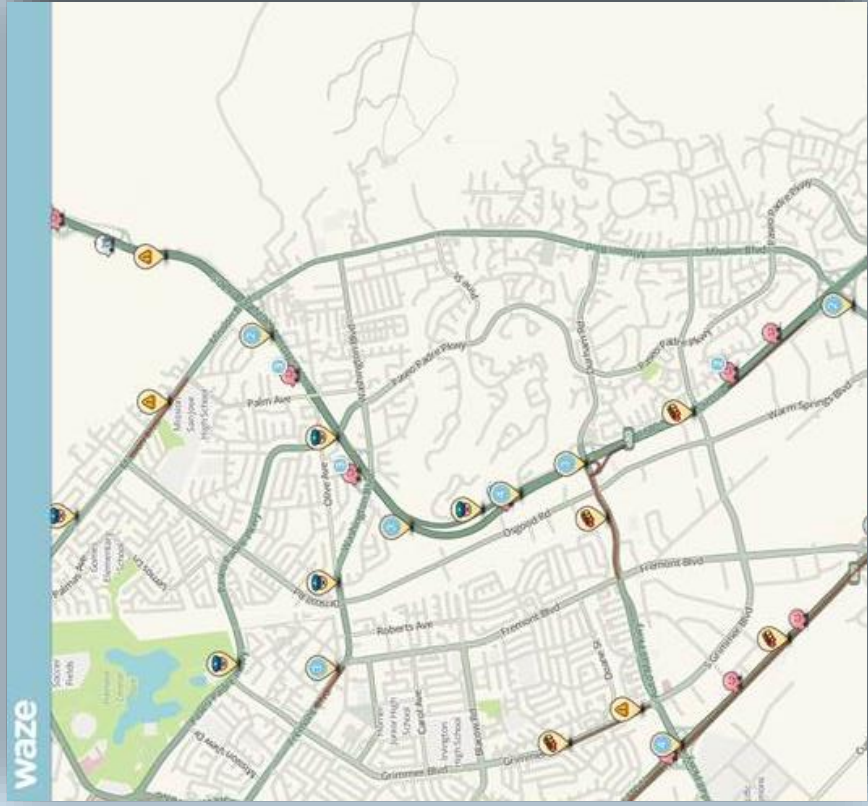




California Highway Patrol Enforcement Update July 2014 to January 2015



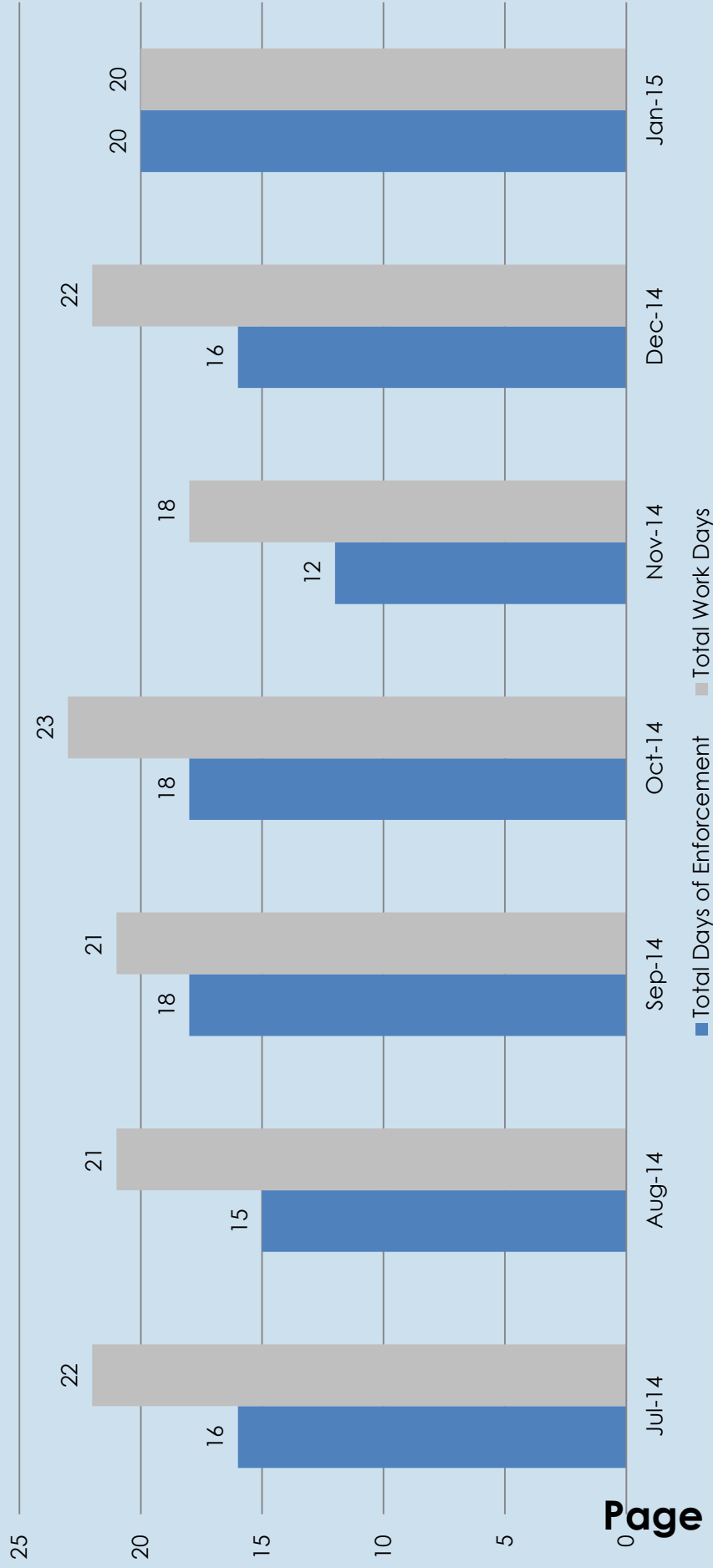
Page 15



| Search Tag Status | | Tag ID | | New Edit Remove Data | | Tag Status | |
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| 9/8/2014 12:29:39 | 6805-AND6A-4 | Y | Y | 9/8/2014 12:29:39 | 6805-AND6A-4 | | |
| 9/8/2014 12:29:39 | 6805-AND6A-5 | Y | Y | 9/8/2014 12:29:39 | 6805-AND6A-5 | | |
| 9/8/2014 12:29:39 | 6805-AND6A-6 | Y | Y | 9/8/2014 12:29:39 | 6805-AND6A-6 | | |
| 9/8/2014 12:29:39 | 6805-AND6A-7 | Y | Y | 9/8/2014 12:29:39 | 6805-AND6A-7 | | |
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| 9/8/2014 12:29:39 | 6805-AND6A-6 | Y | Y | 9/8/2014 12:29:39 | 6805-AND6A-6 | | |
| 9/8/2014 12:29:39 | 6805-AND6A-7 | Y | Y | 9/8/2014 12:29:39 | 6805-AND6A-7 | | |
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Total Days of Enforcement vs. Work Days



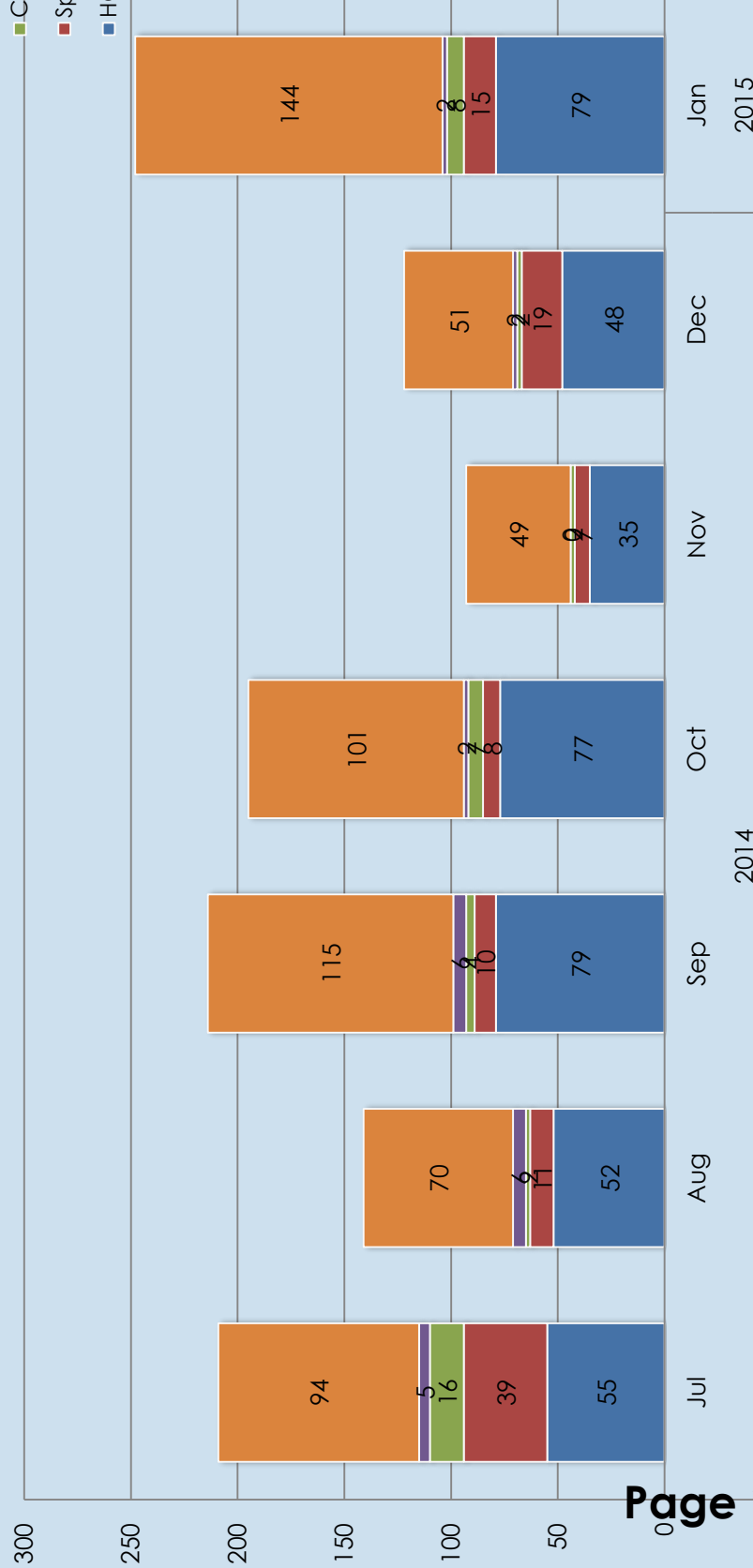
Page 17

Average of >78% Enforcement Coverage since July 2014



CHP Enforcement Statistics Fiscal Year 14/15

- No Citation/Warning
- Other Violations
- Seat Belt Violation
- Cell Phone Violation
- Speed Violation
- HOV Violation



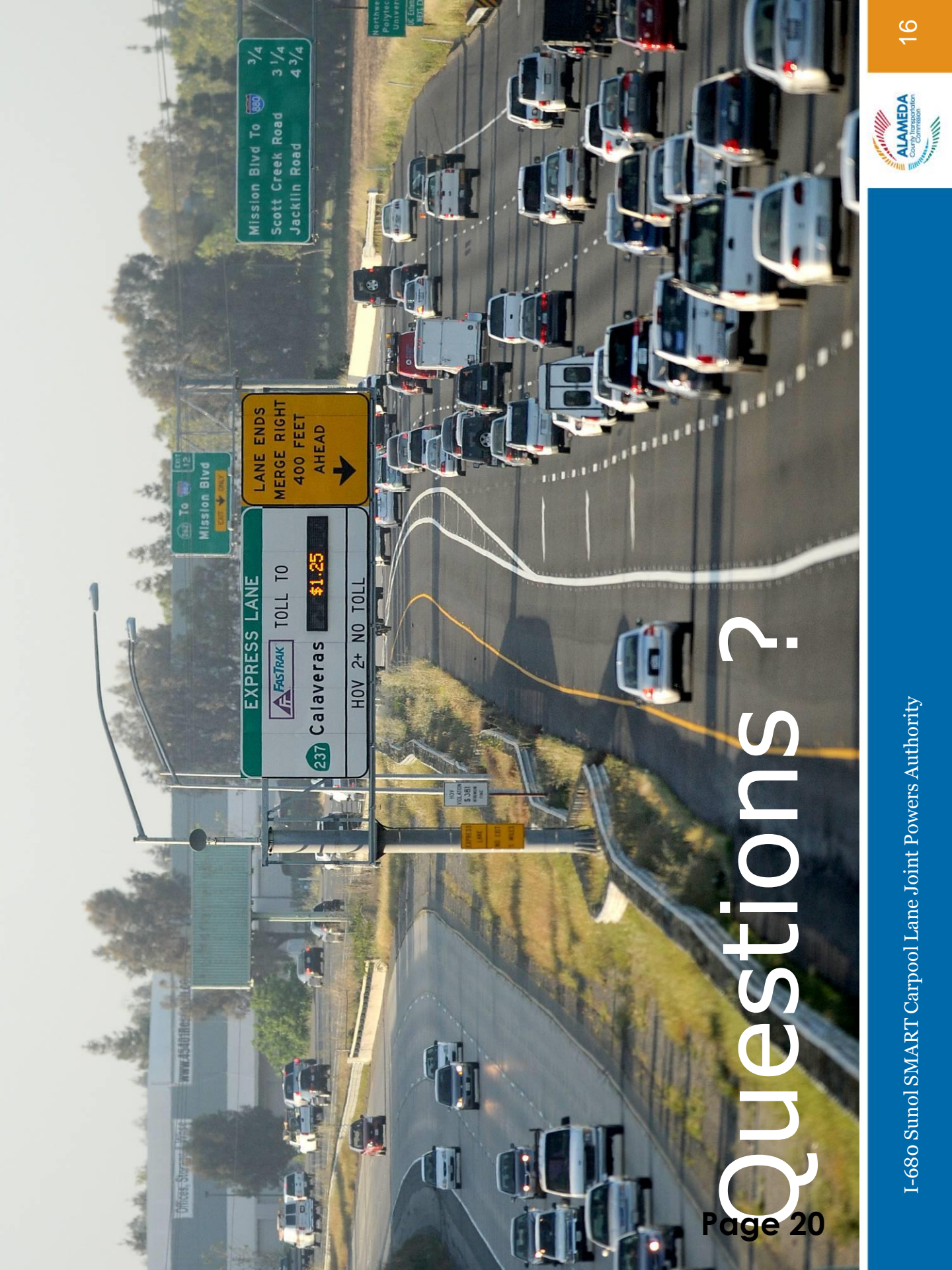
Average of 35% HOV Violations



Enhancing Enforcement

- Continue to manage resources effectively
 - i.e. continuously adjust focused enforcement activities
- Capital Infrastructure and Technology opportunities
- Continue working with Regional Partners





Questions?

Page 20



Memorandum

5.2

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• PH: (510) 208-7400

• www.AlamedaCTC.org

DATE: March 2, 2015

SUBJECT: I-680 Northbound Express Lane (PN 721.0): 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 HOV/Express Lane in the corridor. 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. This item is for information only.

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 and 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 utilize available HOV lane capacity by offering solo drivers the choice to pay a toll electronically to access the lane, while regular carpool 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 NB I-680 between SR 237 and SR 84 on weekday evening commutes between 2pm and 7pm. The first occurs near Washington Boulevard. The second occurs at the lane drop at the truck scales (located between Sheridan Road and Andrade Road). The initial phase of construction proposes to add a new HOV/Express Lane between Auto Mall Parkway and SR 84 to eliminate these bottleneck locations and alleviate much of the daily congestion that occurs on this stretch of freeway.

The Project Team continues to make progress. A Draft Environmental Document (DED), an Environmental Impact Report/Environmental Assessment (EIR/EA), was released for public circulation on November 20, 2014 and closed the comment period on January 23, 2015. The following is a detailed discussion of work in progress and/or upcoming major tasks.

Environmental Technical Studies, Traffic and Engineering Studies & Reports

All environmental, traffic, and engineering studies and reports have been completed, reviewed, and approved by the California department of Transportation (Caltrans) District 4 and Caltrans Headquarters (HQ).

Environmental Document

A Draft EIR/EA was released for public circulation from November 20, 2014 to January 23, 2015. There were two public hearings held during this comment period; one in Pleasanton on January 8, 2014 and one in Fremont on January 13 2015. Fourteen public comments were received during this comment period. The summary of these comments are consistent with the following topics: support for the project, concerns regarding noise and construction impacts, desire for an auxiliary lane from Durham to Washington during the first phase of construction, and desire for a soundwall around their homes within a specific area of the project. Based on the public and agency reviews and comments, a preferred alternative will be selected by the Project Development Team shortly. A final environmental document (ED) addressing the preferred alternative in detail is expected in summer 2015.

Project Approval

The Project Report (PR) process is underway. The Draft PR was approved on November 17, 2014. The Draft PR documented the need for the project and summarized the studies, cost, scope, and overall impact of project alternatives. Its approval satisfied the requirement to release a DED for public circulation which took place on November 20, 2014. The DED was circulated for public review, with a review period closing date of January 23, 2015. A preferred alternative will be selected shortly, and the Draft PR will be updated to become the Final PR. Completion of a Final PR indicates Caltrans, Federal Highway Administration (FHWA), and Alameda County Transportation Commission (Alameda CTC) approval of the project. Final PR approval for this project is anticipated in summer 2015.

Project Implementation Approach

The PR and ED include studies and analysis for both the full project limits (SR 237 to SR 84) and an initial phase of construction (Auto Mall Parkway to SR 84). The limits for the initial phase of construction are 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 (Auto Mall Parkway to SR 84) into the I-680 Northbound Express Lane Project. Staff

is exploring project delivery and funding options to expedite the implementation of the initial phase.

The schedule for the initial phase (Phase 1 Modified) for the I-680 Project is as follows:

- Final PA&ED: June/July 2015
- Final PS&E: August/September 2016
- Construction: late 2016/early 2017 - late 2018

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

Fiscal Impact: There is no significant fiscal impact to the budget due to this item. This is for information only.

Staff Contact

[Stewart Ng](#), Deputy Director of Programming and Projects

[Susan Chang](#), Project Controls Team

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