

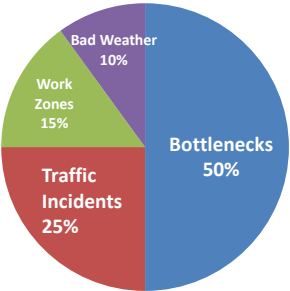
# Bay Area Express Lanes

July 10, 2017  
ACTC Programs and Projects Committee

Lisa Klein, Metropolitan Transportation Commission




## Causes of Congestion




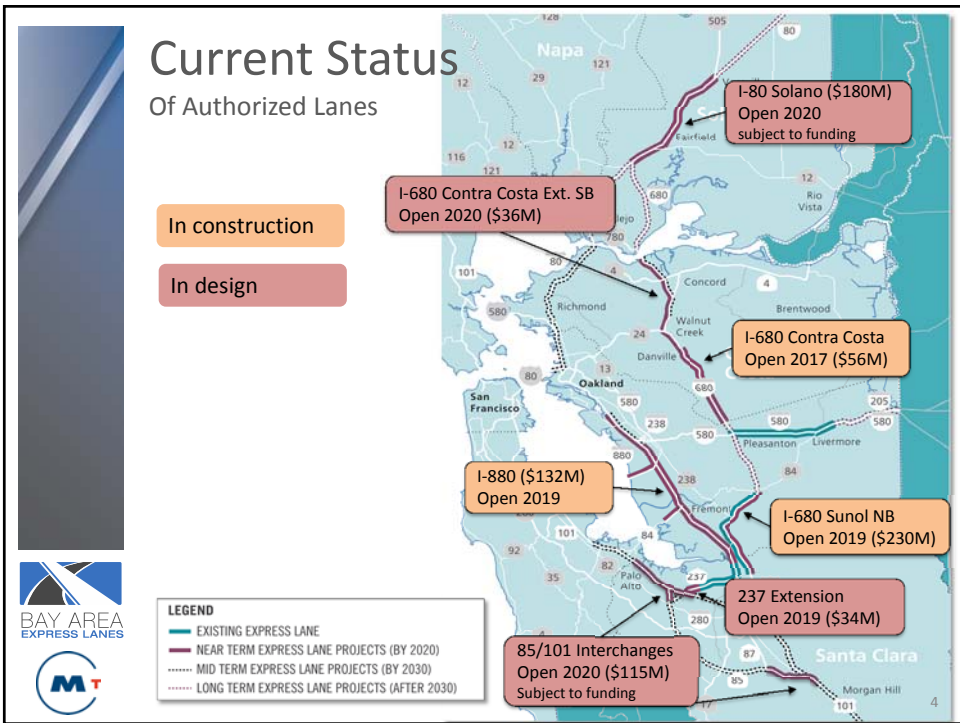
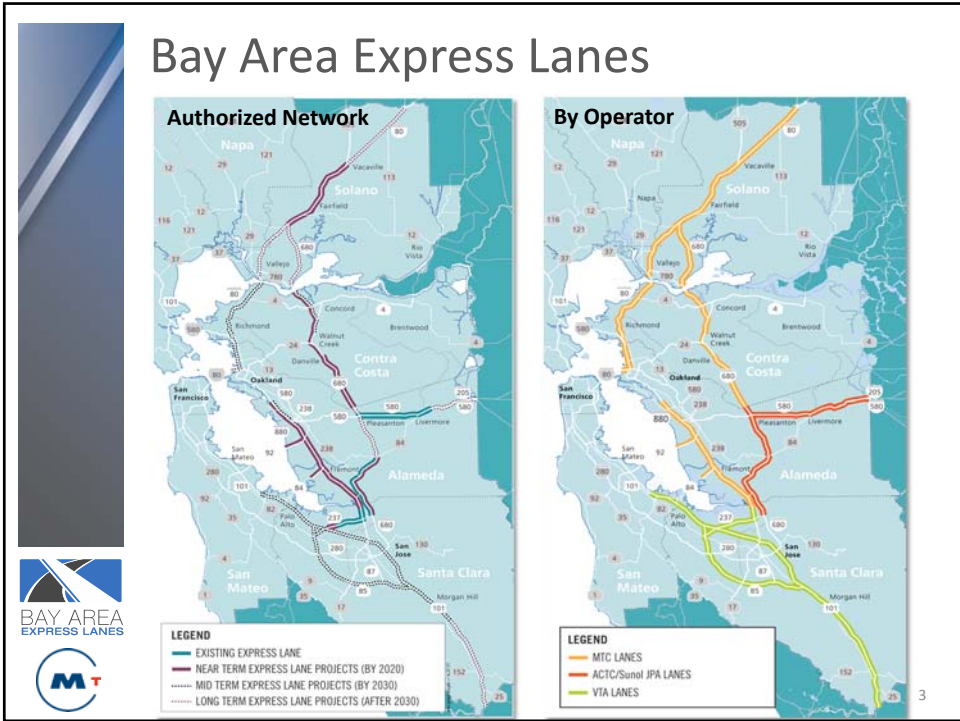
Cause	Percentage
Bottlenecks	50%
Traffic Incidents	25%
Work Zones	15%
Bad Weather	10%

## Toolbox



```
graph TD; FM((FREWAY MANAGEMENT)); IM((1 Incident Management)); TBO((2 Toll Bridge Operations)); ATM((3 Active Traffic Management)); EL((4 Express Lanes)); P((5 Pricing)); TMS((6 Transportation Management System)); FM --- IM; FM --- TBO; FM --- ATM; FM --- EL; FM --- P; FM --- TMS;
```







## Bay Area Infrastructure Financing Authority (BAIFA)

- Created by MTC and BATA in 2006 to finance the toll bridge seismic program.
- Amended in 2011 to include implementation, operation and financing of express lanes for MTC.
- Membership can be augmented as the network grows.

**Membership**

1. MTC Chair
2. BATA Oversight Chair
3. MTC Commissioner from Alameda County
4. MTC Commissioner from Contra Costa County
5. MTC Commissioner from Solano County
6. Cal STA (non-voting)




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## I-680 Contra Costa Express Lanes

Coming soon!





[Expresslanes.511.org](http://Expresslanes.511.org)


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## Express Lanes Operations

Like I-580 Express Lanes:

- Operational from 5 A.M. to 8 P.M.
- FasTrak® required for all vehicles
- Automated toll enforcement


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## FasTrak® Required for All Vehicles

**Toll-Free Vehicles must use FasTrak Flex® Toll Tag**

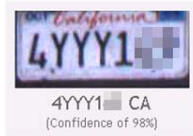
**Solo Drivers may use Standard FasTrak® Toll Tag**


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# Enforcement

BAIFA enforces tolls through the toll system

- FasTrak® and FasTrak Flex®
- License plate recognition system



CHP enforces carpool occupancy

- Increased CHP patrols
- Improved CHP observation areas
- Beacon lights alert CHP to toll tag settings
- Tag look up through web portal



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# I-880 Express Lanes

Open in 2019



[mtc.ca.gov/express-lanes](http://mtc.ca.gov/express-lanes)

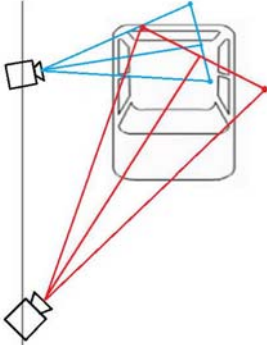
# I-880 Today




# Mobility Improvements through Buffers




## Vehicle Occupancy Detection Cameras: A Quickly Evolving Capability





Source: Indra



Source: LA Metro, Conduent

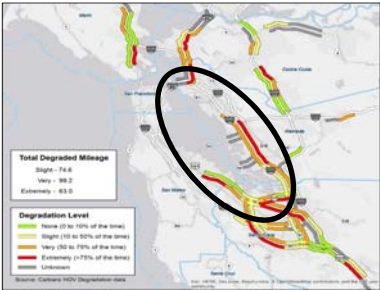


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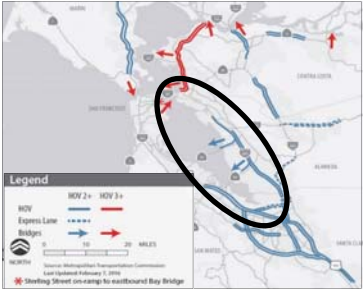
## Carpool Occupancy Requirements

### “Ring Around the Bay” & Southern Bridges





**“Very” Degraded Corridors**

- Existing SR-237 Express Lane
- Existing I-880 HOV (Express Lane in 2019)
- Existing US 101 HOV (Express Lane in 2021+)

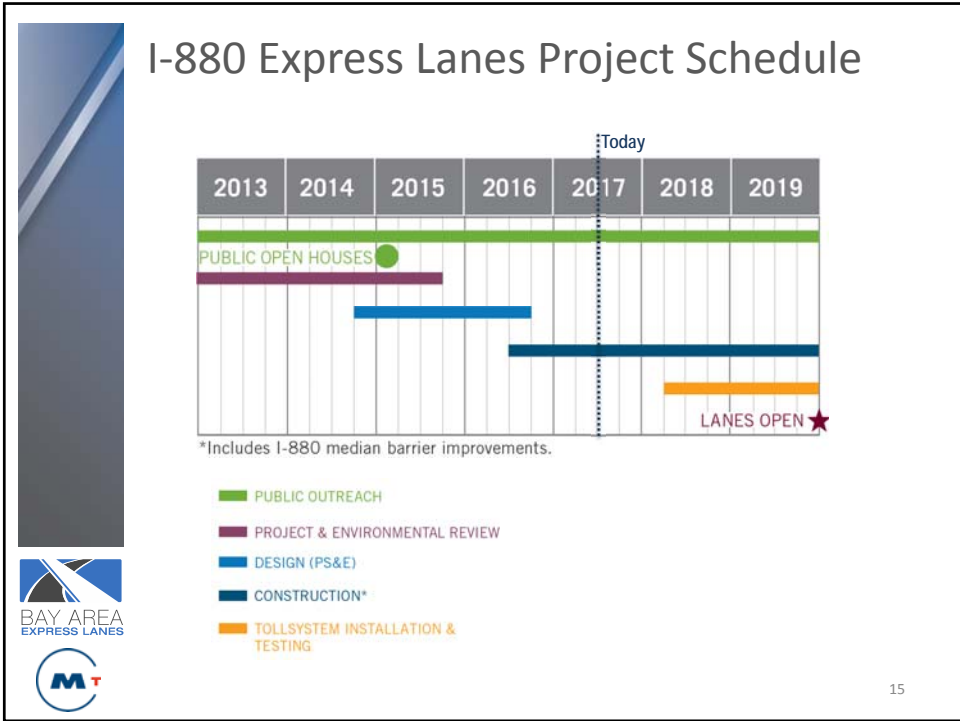


**Candidates for HOV-3**

- SR-237 Express Lane
- I-880 Express Lane
- US 101 Express Lane
- Dumbarton Br. HOV/Exp. Lane
- San Mateo Br. HOV/Exp. Lane

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## Outreach

### To Date

- City Staff/Councils, AC Transit and County – 2<sup>nd</sup> half 2014
- Alameda CTC – Fall 2014
- Public Open Houses – Early 2015
- City/County Staff – 1<sup>st</sup> half 2016

### Future

- Stakeholder notifications prior to construction
- Monthly and as-needed electronic construction updates
- Presentations, as requested
- Customer education

[mtc.ca.gov/express-lanes](http://mtc.ca.gov/express-lanes)

**BAY AREA EXPRESS LANES**

**I-680 Walnut Creek to San Ramon Construction Notice**

**Summary**

In May, nearly all of the overhead toll sign structures will be placed in the corridor, and reconstruction work will continue on the median barriers. Also, electrical work for the communications network will continue on the freeway and on some city streets. Lane closures will continue at night on I-680 from Martinez to San Ramon.

**Purpose**

With the overhead sign installation nearly complete, restoration work on the median barriers and surrounding areas will occur. The electrical work for the communications network will provide power to the overhead toll signs.

**What to Expect**

- Intermittent and alternating nightly closures will occur in the northbound and southbound directions on I-680 from Martinez to Dublin in the lanes closest to the median and in the lane closest to the shoulder. Approved construction work hours are: Monday through Thursday from 8 p.m. - 5 a.m., Friday from 8 p.m. - 7 a.m., Saturday from 7 a.m. to 12 a.m.
- To maintain a safe work zone, construction activity on San Ramon Valley Boulevard and Silver Canyon Road will require lane reductions and reduced speed limits, weekdays from April 4 through June 30, between the hours of 2:30 a.m. and 3:00 p.m.
- Construction crews will be present on some city streets during the day near I-680 from Martinez to Dublin with temporary and minor protection detours to maintain public safety.
- Temporary road, construction signage and orange plastic fencing will be present from Martinez to Dublin to maintain a safe work zone.
- Construction lighting will be present and directed away from residential areas.

Construction is a dynamic process and information is subject to change without notice. Please use caution while traveling through the construction zone.

Metropolitan Transportation Commission | (916) 871-0700 | www.mtc.ca.gov

Contact Us:  
[info@expresslanes.org](mailto:info@expresslanes.org)  
[www.bayareatransit.org](http://www.bayareatransit.org)  
 (916) 471-5000

Sample construction notice

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# Questions?



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