

SM 101 MANAGED LANES PROJECT



C/CAG Board of Director meeting

October 12, 2017

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INTRODUCTION



- **What we have accomplished**
- **Toll System Planning**
- **Discussion**

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INTEGRATED PROJECT TEAM



Co-Sponsor
Agencies



Environmental
Lead Agency



Integrated Project
Delivery Team

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THE PROBLEM



- Jobs, housing, and population growth continue
- Vehicle trips to grow 4-7% by 2020
- No incentive to share a ride
- Cars avoid the freeway

The congestion on 101 has been bad and will continue to get worse.

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BIG PICTURE



The problem is greater than one project can solve.

- **The Caltrain Electrification Project will not fully address projected demand**
- **SamTrans is studying express bus service on the 101 corridor**
- **VTA is in final design to create a 2+ HOV Express Lanes from south of 85 to the San Mateo County line**
- **SFCTA is coordinating with San Mateo to study an extension of the 101 managed lanes into SF**
- **MTC is planning to improve and increase park and ride lots**
- **Municipalities implementing TDM measures**

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THE PROJECT LIMITS



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PROJECT PURPOSE



- Reduce congestion in the corridor
- Encourage carpooling and transit use
- Provide managed lanes for travel-time reliability
- Minimize operational degradation of the general purpose lanes
- Increase person throughput
- Apply technology and/or design features to help manage traffic

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THE CHALLENGE OVERALL



- Find a solution quickly
- Secure public and political support of the Project
- Secure the required funding
- Minimize environmental impacts
- Stay within the current Right of Way as much as possible
- Don't make congestion worse in the other lanes
- Reduce cut through traffic on the local street network
- Build the project as soon as possible

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WHAT HAS BEEN ACCOMPLISHED



	Description	Status	Target Date
1 - 11	Technical Studies (11 total), including: <ul style="list-style-type: none"> Noise Air Quality Biological 	Completed	
12	Traffic Operation Analysis Report	In progress	Late November
13	Draft Environmental Document	In progress	Late November
14	Draft Project Report	In progress	Late November

SM 101 MANAGED LANES PROJECT ENVIRONMENTAL DOCUMENT REVIEW





- **Tolling System Roles**
- **Near-term decisions**
- **Future Operations Policies**

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TOLLING SYSTEM ROLES



- **Facility owner (an agency)**
 - Owns tolling equipment and related highway improvements
 - Sets tolling policy and rates
 - Budgets and pays for the operation, maintenance and liabilities of the facility
 - Distributes revenues
- **Facility operator (an agency)**
 - Manages the day to day operation of the facility on behalf of owner
 - Ensures that the system is maintained
- **Toll System Manager (a consultant)**
 - Defines toll system requirements
 - Oversees Toll System Integrator to ensure requirements are met
- **Toll System Integrator (a contractor)**
 - Designs and implements the Toll System according to the requirements
 - Supports operation of the Toll System for year 1 under warranty

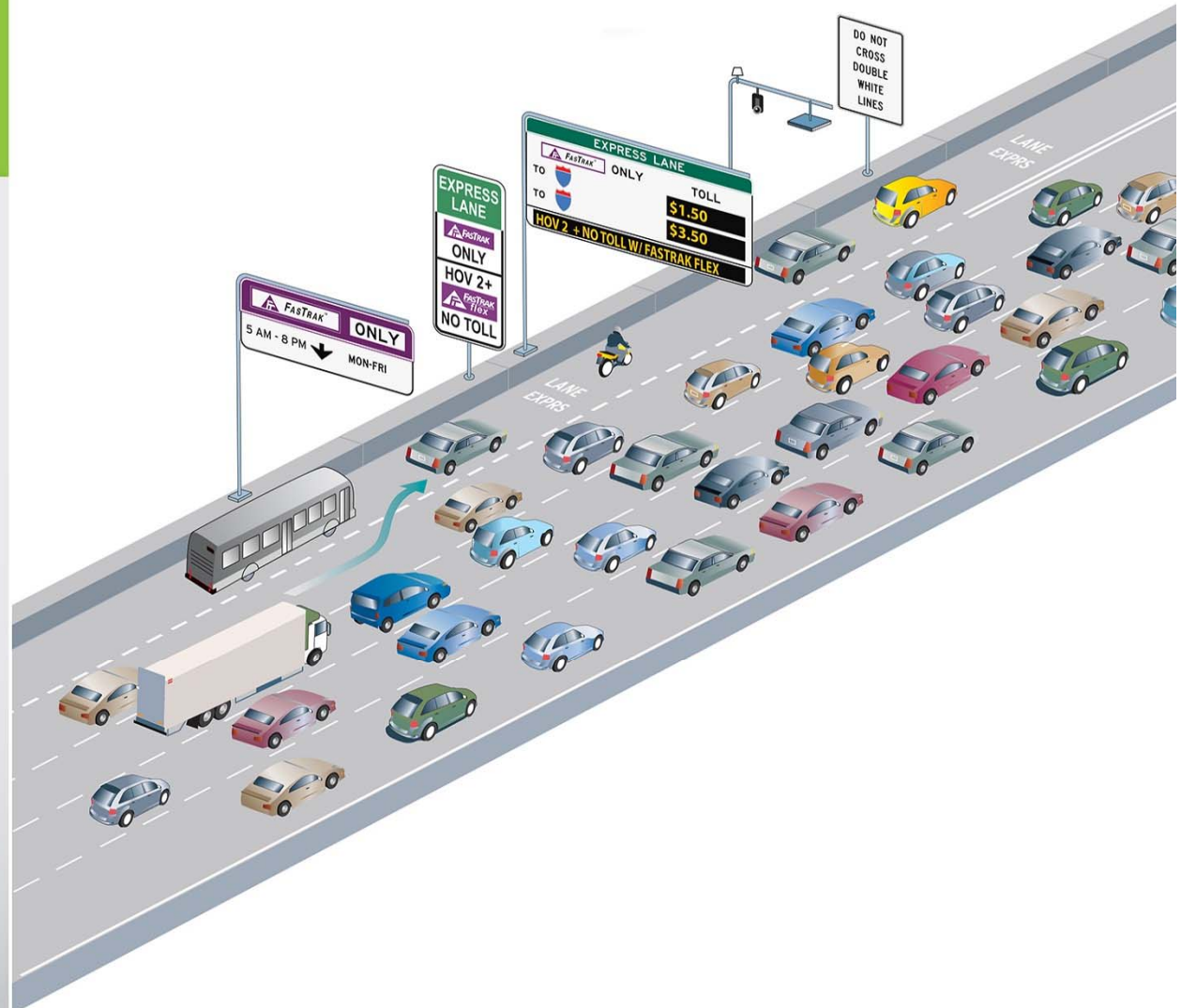
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EXPRESS LANE COMPONENTS



WHAT IS AN EXPRESS LANE?

- Carpools, buses, motorcycles and eligible clean air vehicles free
- Other drivers can choose to pay
- Electronic toll collection
- Dynamic tolls (congestion pricing) keep lane free flowing



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TOLLING SYSTEM NEAR-TERM DECISIONS



- **Decide on the Owner from**

- San Mateo agency to be formed [legislation required]
- Santa Clara Valley Transportation Authority [SB 595 enabling legislation]
- Bay Area Infrastructure Finance Authority [MTC]

- **Select the Operator from**

- San Mateo agency to be formed [legislation required]
- Santa Clara Valley Transportation Authority [SB 595 enabling legislation]
- Bay Area Infrastructure Finance Authority [MTC]

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TOLLING SYSTEM TIMING



- **October** – provide information to Board regarding toll operation and roles
- **November** – discuss tradeoffs between owner/operator options
- **December/January** – Board decides on owner/operator
- **Late 2018** – operation policy decisions

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OPERATIONS POLICY DECISIONS



- **Tolling policies to be made by late 2018:**
 - ✓ **Hours of operation**
 - ✓ **Toll rate structure**
 - ✓ **Distribution of revenue**
 - ✓ **Provision of facility maintenance**
- **Return to Board in mid 2018 to provide more information**

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Questions?