

SM 101 MANAGED LANES PROJECT



C/CAG CMEQ Committee

October 30, 2017

SM 101 MANAGED LANES PROJECT

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**



- **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

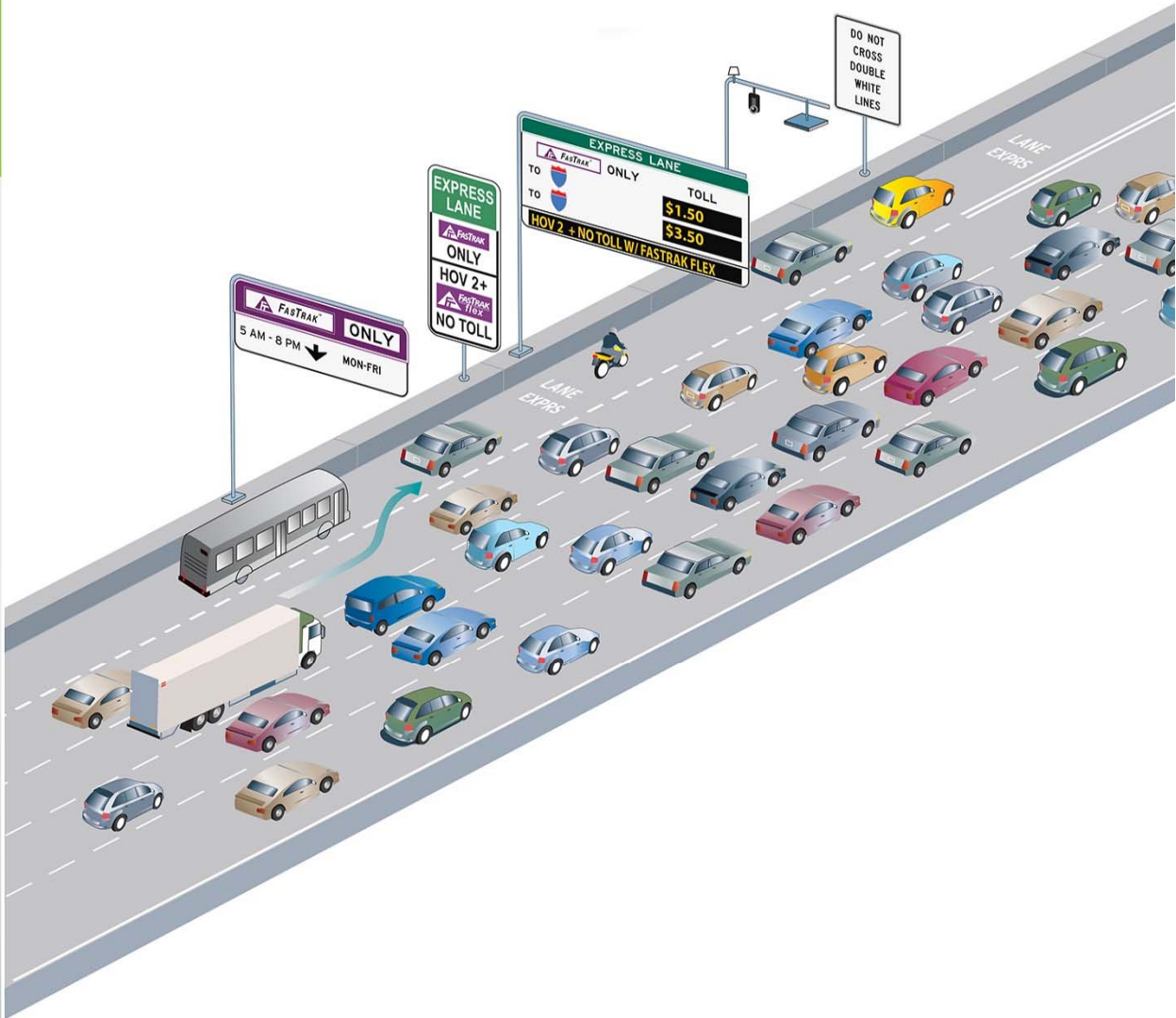
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EXPRESS LANE COMPONENTS



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?