

# SM 101 MANAGED LANES PROJECT



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San Mateo County Transportation Authority

October 5, 2017

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TA Board Meeting

# SM 101 MANAGED LANES PROJECT

## INTRODUCTION



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

# SM 101 MANAGED LANES PROJECT

INTEGRATED PROJECT TEAM



Co-Sponsor  
Agencies



Environmental  
Lead Agency



Integrated Project  
Delivery Team

# SM 101 MANAGED LANES PROJECT

## 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.



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**

# SM 101 MANAGED LANES PROJECT

## THE PROJECT LIMITS





- **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**



- 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

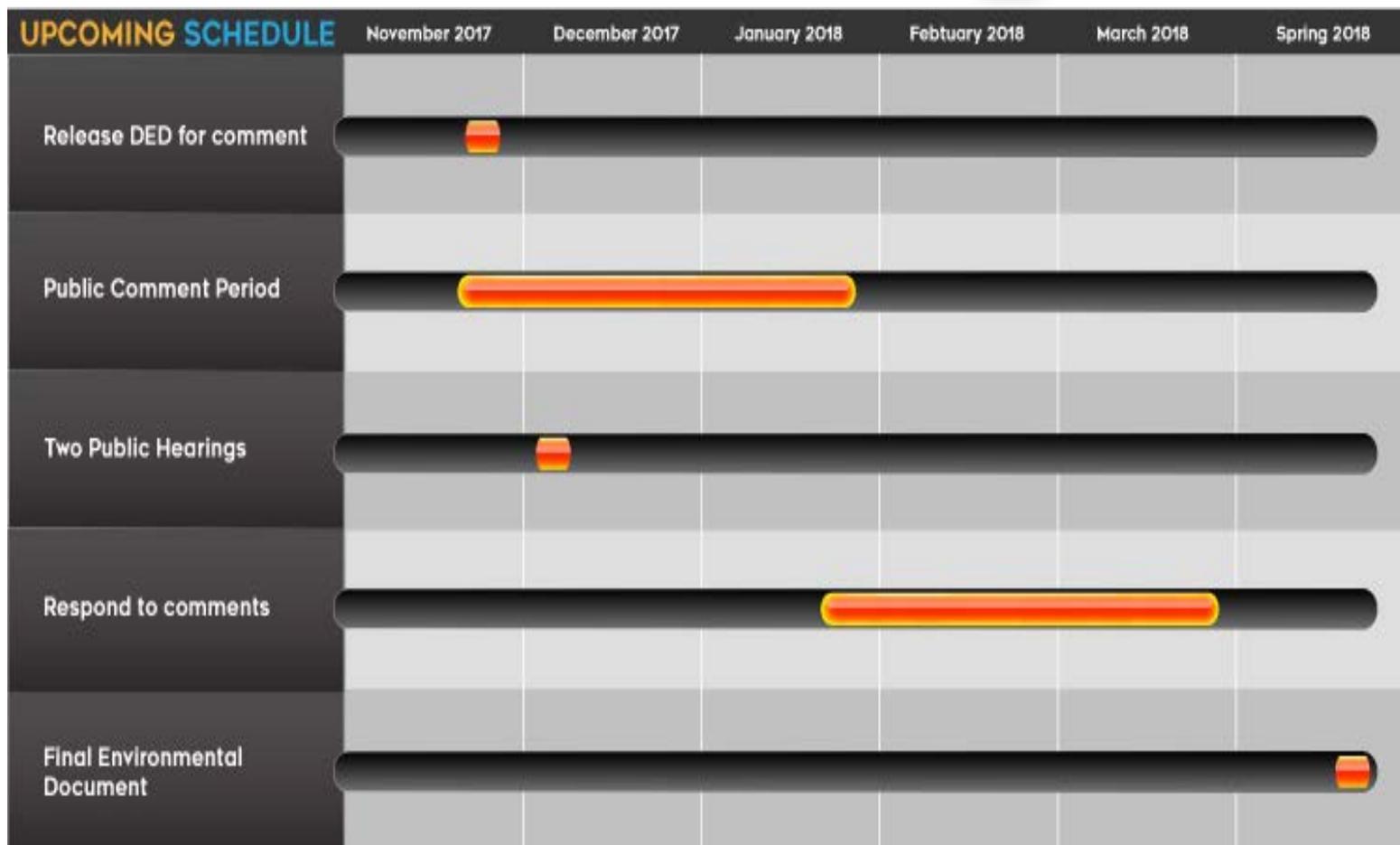
# SM 101 MANAGED LANES PROJECT

## WHAT HAS BEEN ACCOMPLISHED



	Description	Status	Target Date
1 - 11	Technical Studies (11 total), including: <ul style="list-style-type: none"> <li>Noise</li> <li>Air Quality</li> <li>Biological</li> </ul>	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**

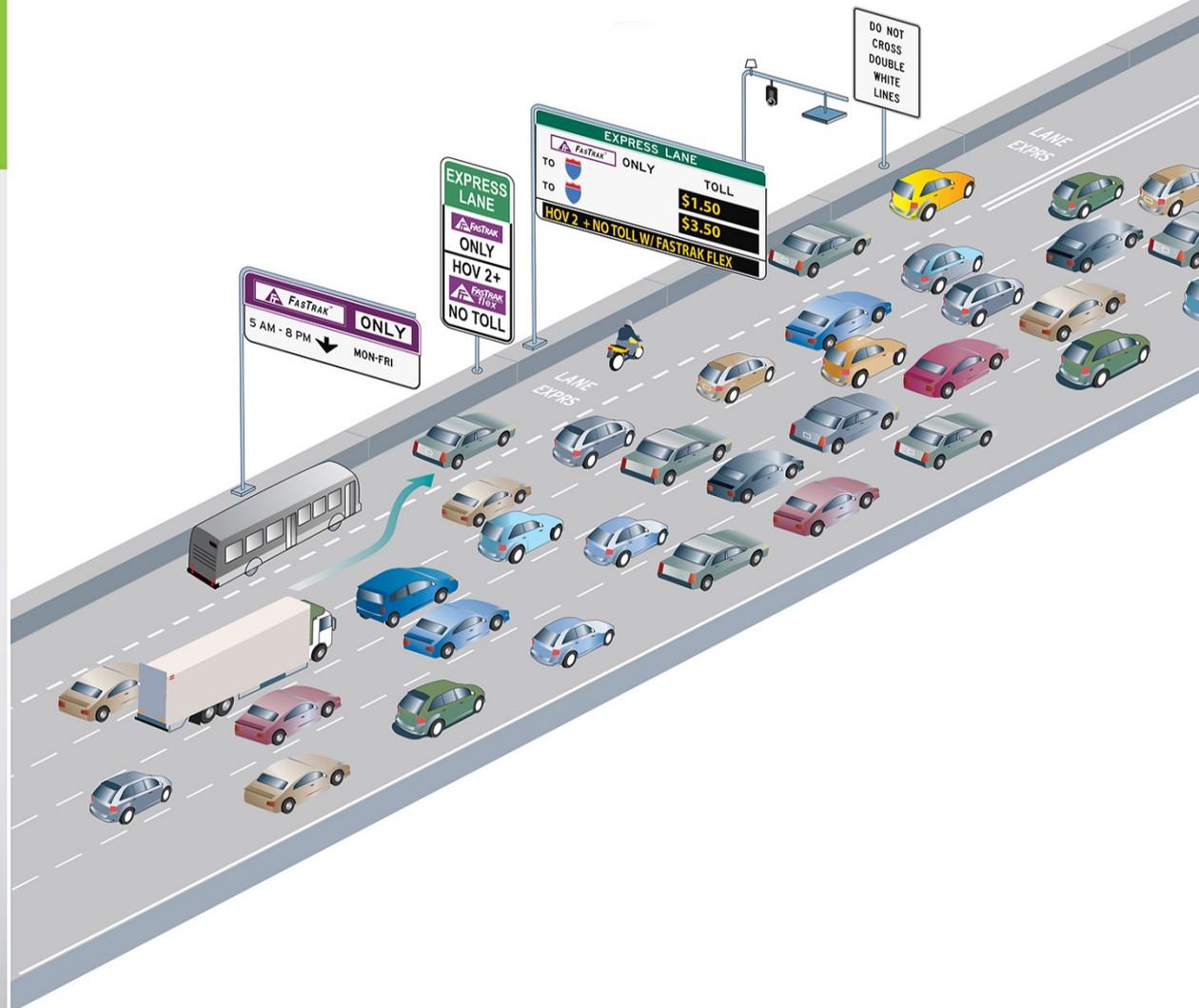


- **Facility owner (an agency)**
  - Owns tolling equipment and related highway improvements
  - Sets tolling policy and rates
  - Budgets and pays for the operation, maintenance and liabilities of the facility
  - Distributes revenues
- **Facility operator (an agency)**
  - Manages the day to day operation 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



## 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





- **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]



- **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



- **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**



Questions?