

# California Transportation Commission

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## Hearing to Receive Public Comment on Proposed Express Lanes

San Mateo County Express Lanes Joint Powers Authority  
– US 101 Express Lane Project

July 25, 2019

# Public Comment on Proposed San Mateo County Express Lanes

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- Email Comments
  - Email address: [ctc@catc.ca.gov](mailto:ctc@catc.ca.gov)
  - Subject line: “San Mateo County Express Lanes Hearing”
- Written Comments
  - California Transportation Commission
  - 1120 N Street, MS-52
  - Sacramento, CA 95814

# SM 101 EXPRESS LANES PROJECT



Hearing to Receive Public Comment on  
Proposed Express Lanes

California Transportation Commission, July 25, 2019



San Mateo County Express Lanes

Joint Powers Authority (JPA) is applying to operate

**a high-occupancy toll facility on**

**US 101 in San Mateo County**

under Streets and Highways Code Section 149.7,

as amended by Assembly Bill (AB) 194.

# SM 101 EXPRESS LANES PROJECT



- **Project Description**
- AB194 requirements
- Project Benefits

# SM 101 EXPRESS LANES PROJECT

## PROJECT LIMITS



# SM 101 EXPRESS LANES PROJECT

## THE PROBLEM



The congestion on 101 will grow worse.

Jobs, housing  
and  
population  
continues to  
grow!



***Without the project,***  
there is no  
incentive to  
share a ride  
and cars will  
avoid the  
freeway,  
clogging  
local city  
streets

# SM 101 EXPRESS LANES PROJECT

## BIG PICTURE



The  
problem  
is greater  
than one  
project  
can solve.

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The *Caltrain Electrification Project* will not fully address projected demand

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SamTrans is studying regional express bus service on the 101 corridor

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MTC is planning to improve and increase park-and-ride lots

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Municipalities implementing TDM measures

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SFCTA is coordinating with San Mateo to study an extension of the 101 Express Lanes into San Francisco

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VTA is creating an Express Lanes network in Santa Clara County

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Construction of the 101 Express Lanes from the San Mateo County line to SR-237 has begun

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# SM 101 EXPRESS LANES PROJECT

## PROJECT PURPOSE



- Encourage carpooling and transit use.
- Improve travel-time reliability for HOV/express lane users.
- Increase person throughput (number of people moved)
- Apply technology and/or design features to help manage traffic.
- Reduce congestion in the corridor.
- Minimize operational degradation of the general purpose lanes.

# SM 101 EXPRESS LANES PROJECT

## PROJECT FEATURES



- HOV lanes will be converted to express lanes from the Santa Clara County line to Whipple Avenue.
- An additional lane in each direction will be created from Whipple Avenue to I-380.
- Safety lighting and overhead tolling signage will be added throughout the corridor.
- No homes/businesses are being purchased.

# SM 101 EXPRESS LANES PROJECT BUILD CONFIGURATION



## Express Lanes with Converted and Replaced Auxiliary Lanes



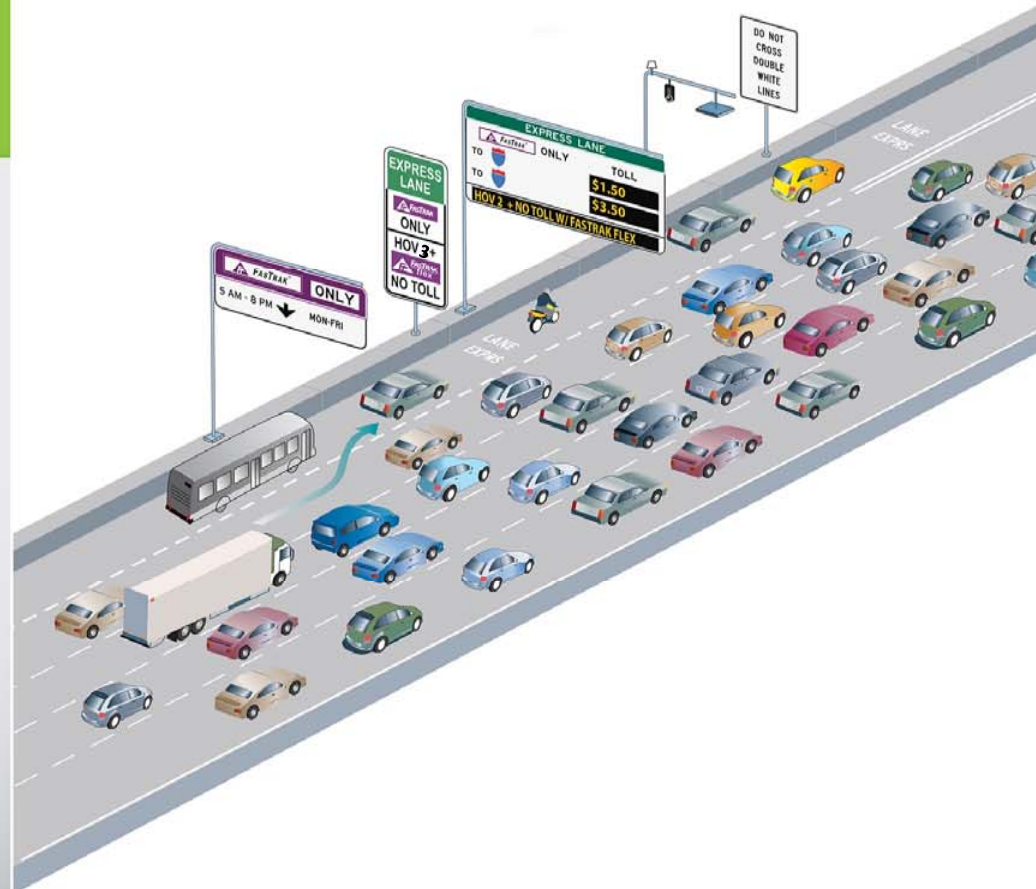
# SM 101 EXPRESS LANES PROJECT

## EXPRESS LANE COMPONENTS



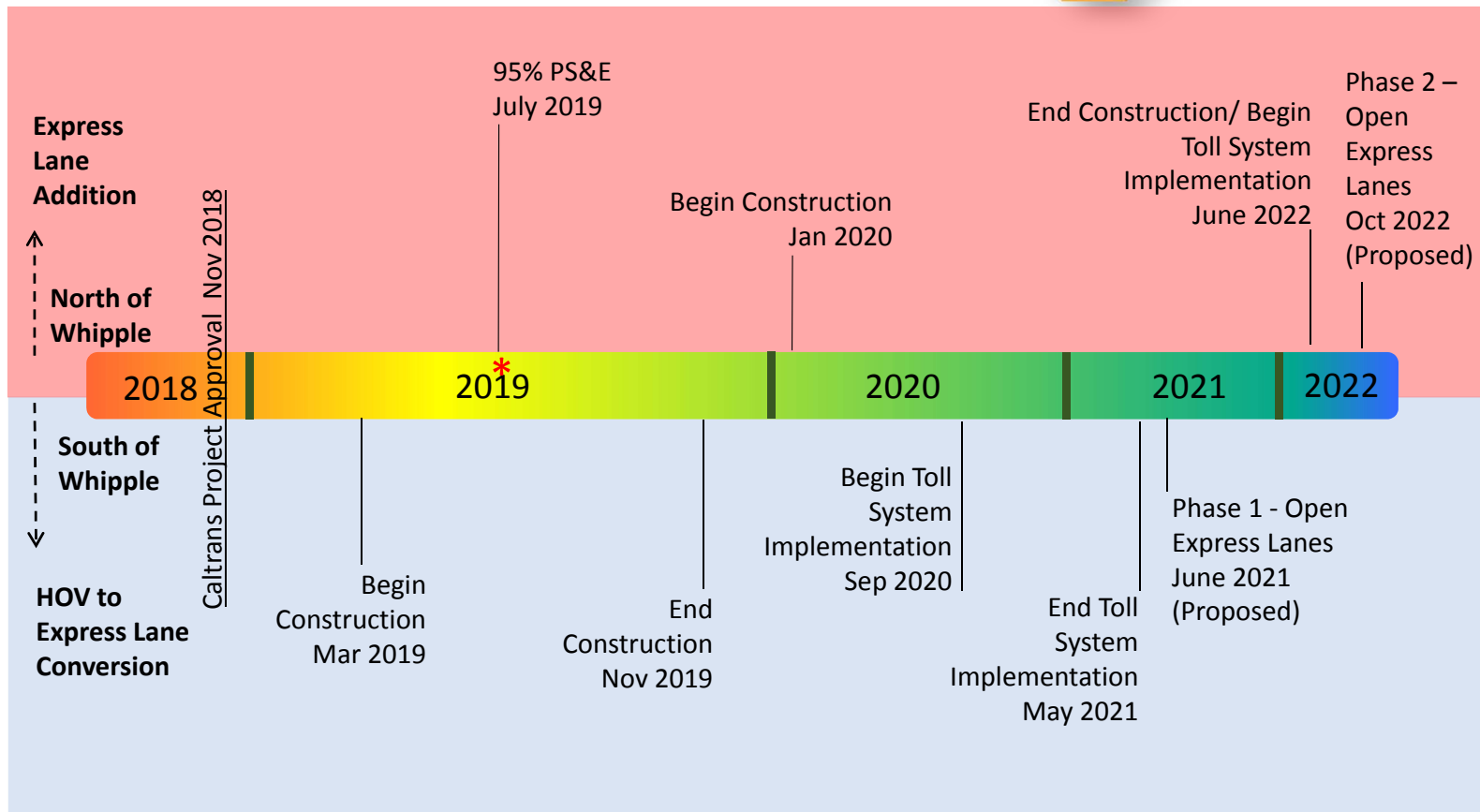
### WHAT IS AN EXPRESS LANE?

- 3+ Carpools are free
- Other drivers can choose to pay
- Electronic toll collection
- Dynamic tolls (congestion pricing) keep lane free flowing



# SM 101 EXPRESS LANES PROJECT

## SCHEDULE



# SM 101 EXPRESS LANES PROJECT

## COST ESTIMATE



	in millions
Environmental Clearance	\$ 21.0
Design	\$ 38.0
Right of Way	\$ 2.0
Construction Management	\$ 41.0
Capital Construction	\$ 394.8
Right of Way Capital	<u>\$ 17.2</u>
	\$ 514.0

# SM 101 EXPRESS LANES PROJECT

## FUNDING SOURCES



FUNDING SOURCE	TOTAL FUNDS <i>(in millions)</i>
Federal	\$9.5
State	
Interregional Transportation Improvement Program (ITIP)	\$18.0
State Transportation Improvement Program (STIP)	\$33.5
SB 1 Local Partnership Program (LPP)	\$21.5
SB 1 Solutions for Congested Corridors (SCC)	\$200.0
Regional	
Regional Toll	\$95.0
Local	
San Mateo Measure A, Toll Revenues, Other	\$83.5
Private Sector	\$53.0
<b>TOTAL</b>	<b>\$514.0</b>

# SM 101 EXPRESS LANES PROJECT



- Project Description
- **AB194 requirements**
- Project



**SM 101**  
**EXPRESS LANES PROJECT**  
MINIMUM ELIGIBILITY CRITERIA



- The proposed US 101 toll facility meets the requirements of Streets and Highways Code Section 149.7
  - The proposed toll facility will improve the corridor's performance.
  - The project is contained in the RTIP, a conforming regional transportation plan, prepared pursuant to Section 65080 of the Government Code.

# SM 101 EXPRESS LANES PROJECT

## MINIMUM ELIGIBILITY CRITERIA



- Caltrans, SMCTA and C/CAG have cooperated extensively on development of the project.
- A Supplemental Project Study Report/Project Development Support was approved on June 3, 2016. The PSR/PDS serves as the Project Initiation Document for the Project.
- The Plans, Specifications and Estimate and a Concept of Operations are being developed for the project.

# SM 101 EXPRESS LANES PROJECT



- Project Description
- AB194 requirements
- **Project Benefits**

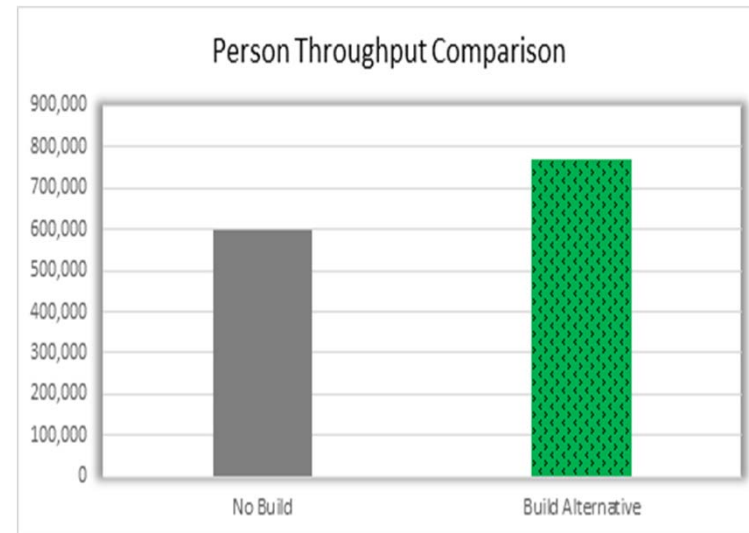
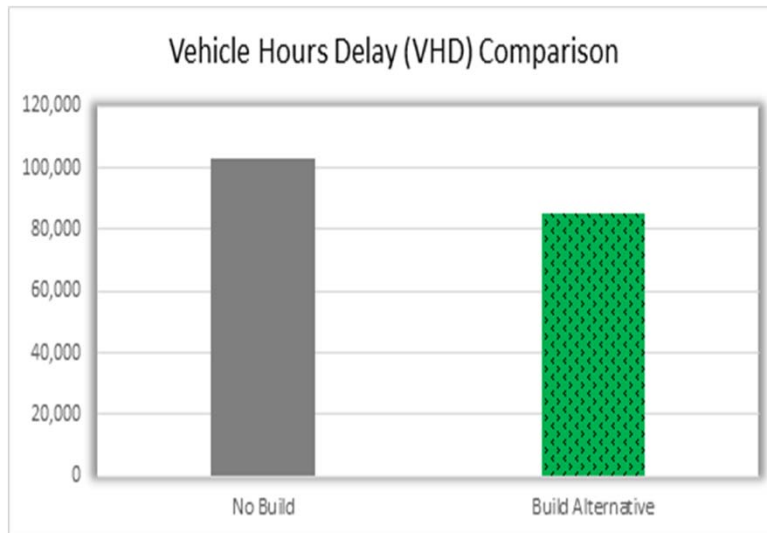
# SM 101 EXPRESS LANES PROJECT

## PROJECT BENEFITS



- Encourages carpooling, vanpooling and transit use.
  - Improve travel times for carpoolers.
  - Provide Peninsula express lane continuity.
- Reduce congestion and delay.
  - Minimize of operational degradation of general purpose lanes.
  - Improve travel time and reliability for all vehicles.
- Increase vehicle and person throughput in the corridor.

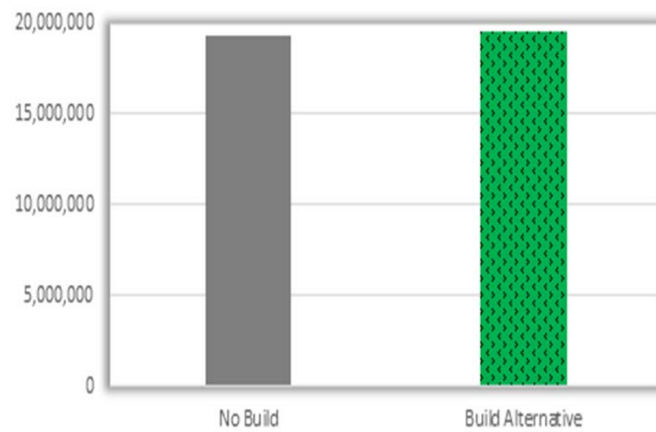
# SM 101 EXPRESS LANES PROJECT METRICS



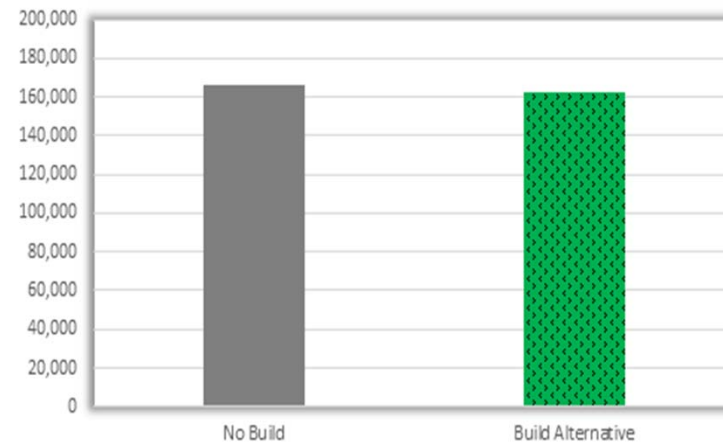
# SM 101 EXPRESS LANES PROJECT METRICS



### Daily Vehicle Miles Traveled (VMT) Comparison



### Vehicle Hours Traveled (VHT) Comparison

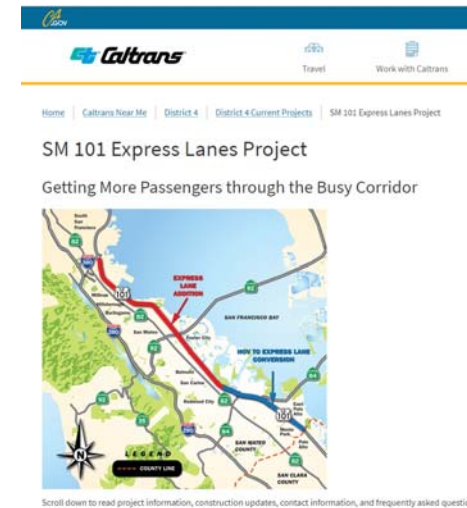


# SM 101 EXPRESS LANES PROJECT

## PUBLIC OUTREACH



- 8 public meetings
- 135 written public comments
- 30 stakeholder meetings with 9 Cities and 2 Counties
- Ongoing e-mail updates to 200+ subscribers
- 6 newspaper advertisements
- Website and social media



# SM 101 EXPRESS LANES PROJECT

## NEXT STEPS

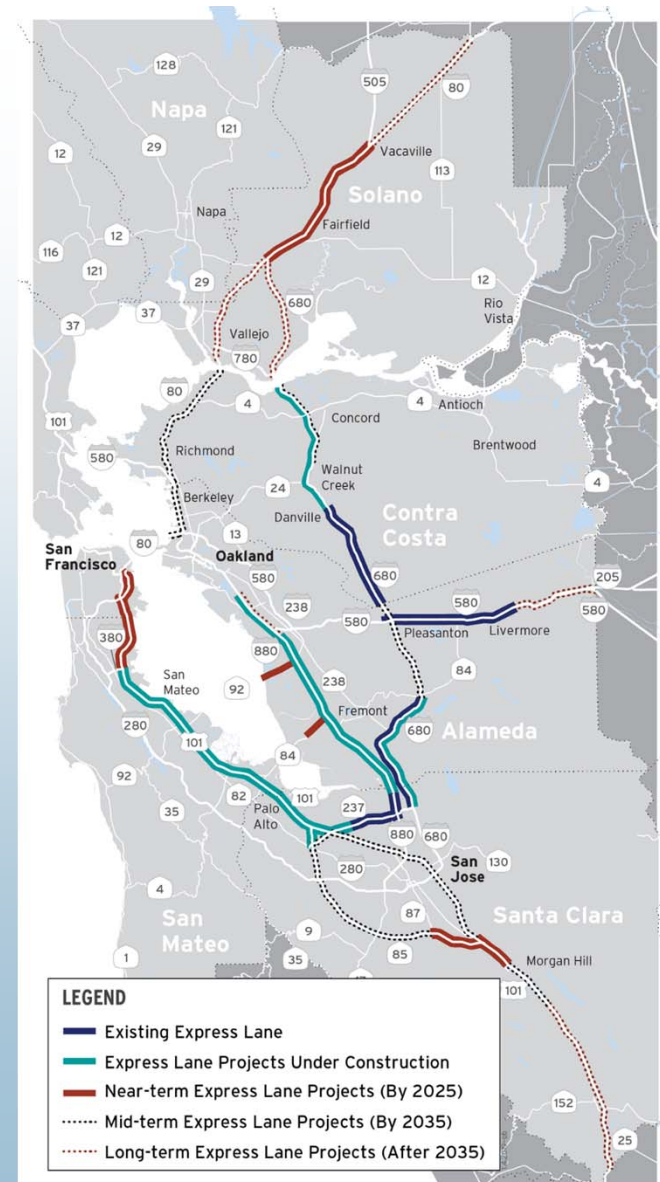


Milestone	Anticipated Date
California Transportation Commission Application Consideration/Approval	August 14, 2019
JPA adopts Toll Ordinance	June 2020
JPA agrees with Caltrans on operations and maintenance agreement	September 2020
JPA agrees with BAIFA on operating agreement	September 2020
Lanes open south of Whipple	June 2021
Lanes open north of Whipple	Oct 2022



# Bay Area Regional Express Lane Network

- 3 Operators (BAIFA, VTA, ACTC)
- San Mateo 101 Express Lanes - strategic fit into express lane network around the Bay
  - Hwy 237 – November 2019
  - I-880 – Summer 2020
  - VTA Hwy 101 – Fall 2021
  - San Mateo 101 southern segment – Fall 2021
  - San Mateo 101 northern segment – Winter 2023
- Active coordination between operators
- Goal: seamless operations to users



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