

SM 101 EXPRESS LANES PROJECT

Quarterly Project Update



SMCTA Board Meeting November 4, 2021

SM 101 EXPRESS LANES PROJECT

AGENDA



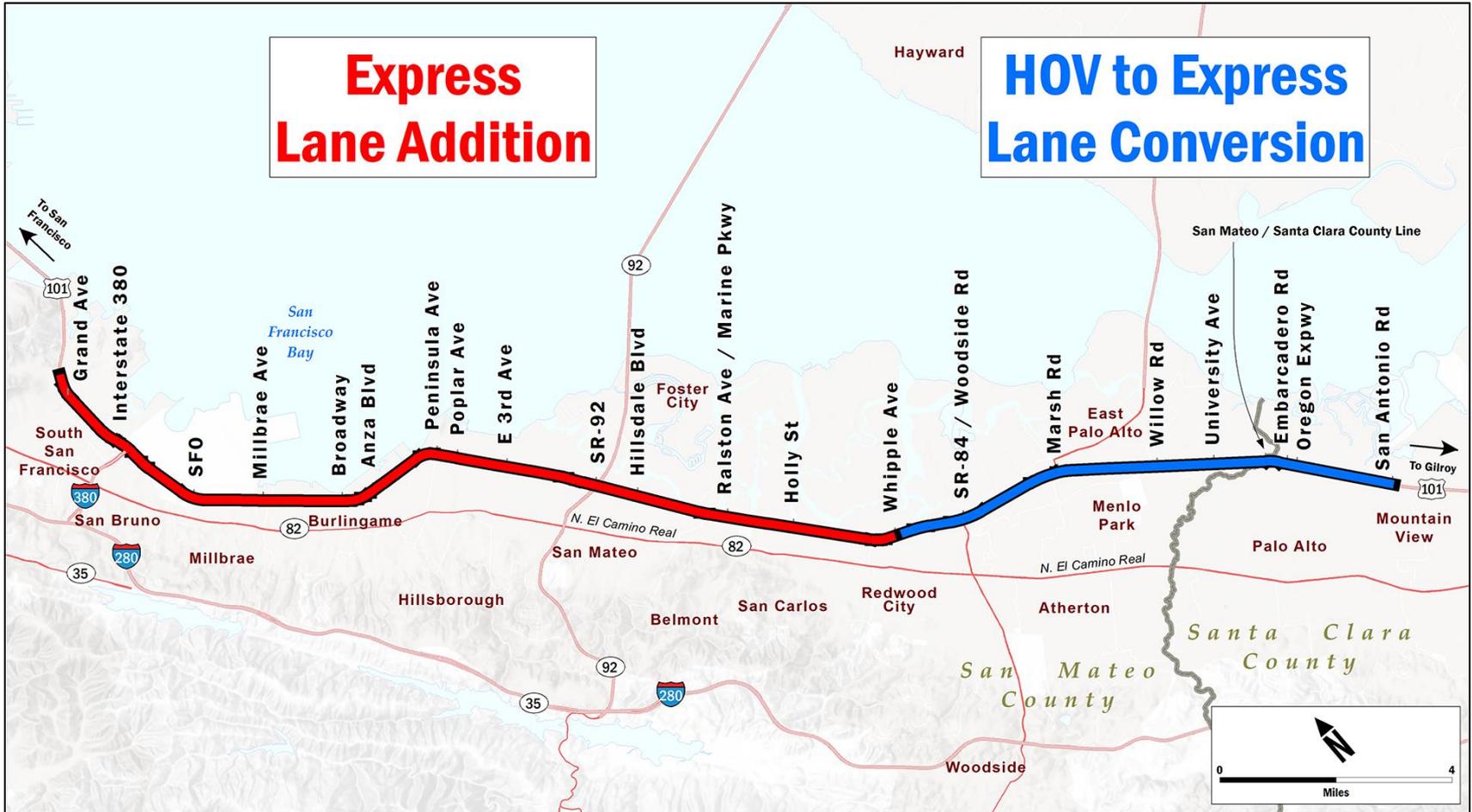
- Construction Progress
- Project Spotlight
- Public Outreach Activities
- Financial and Risk Status



- **Construction Progress**
- Project Spotlight
- Public Outreach Activities
- Financial and Risk Status

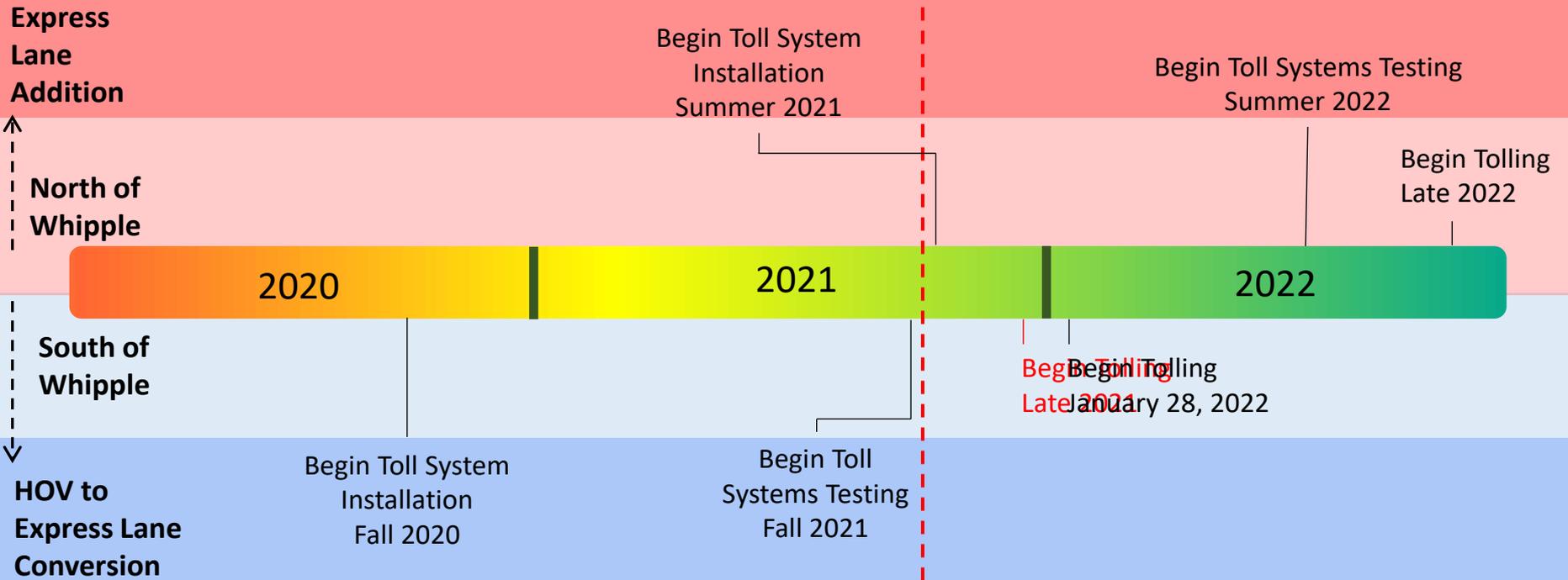
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PROJECT LIMITS



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PROJECT SCHEDULE



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EXPRESS LANE OPENING DATE ADJUSTED



Factors contributing to Schedule Adjustment:

- Supply Chain disruption
- COVID
- Weather
- Retesting
- Syncing opening with VTA



Rationale for new Target Date of January 28, 2022:

- Avoid holiday season
- Work around weather delays
- Streamline testing process



Risks to January 28 Opening Date

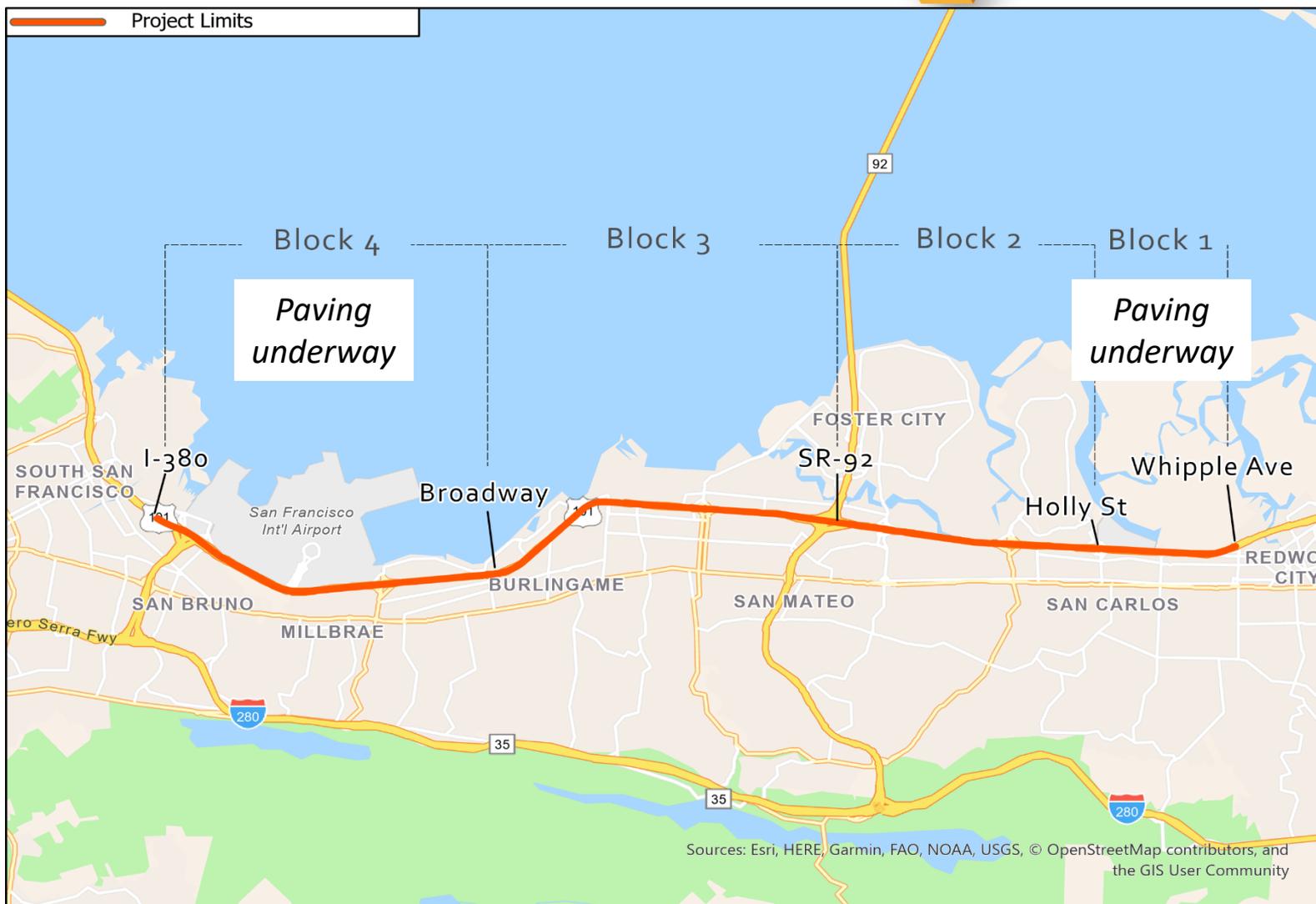
Risk Mitigations

Syncing start of tolling with VTA	➔	Communicate regularly with VTA
Weather	➔	Accounted for weather days in the schedule
COVID	➔	TransCore validating that crews are following COVID protocols
Software development	➔	TransCore deploying two teams to work on software development
Retesting	➔	Streamlining testing process
Equipment failure and/or malfunction	➔	Making use of North Segment equipment when it arrives
Supply chain	➔	Making use of North Segment equipment when it arrives

Note: not anticipated to affect North Segment schedule

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NORTH CONTRACT CONSTRUCTION BLOCKS



SM 101 EXPRESS LANES PROJECT NORTH CONTRACT WORK COMPLETED



North of Whipple through September:

\$254.28M of \$326M completed (78%) with 63% time elapsed. 71% of paving complete.

- Completed sign foundations in Blocks 1, 2, and 3
- Completed installation of lights and sign structures in Blocks 1 and 4
- Completed restriping in Block 1 in preparation for final layer of paving
- Removed 2,000 linear feet of temporary barrier (in Blocks 1 and 4)
- Constructed approximately 15 miles of new median concrete barrier

SM 101 EXPRESS LANES PROJECT NORTH CONTRACT WORK ONGOING



Block 4 Median Barrier Construction





Median Barrier Texture and Paint



Temporary Concrete Barrier Removal



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NORTH CONTRACT WORK ONGOING



Final Layer (1/10th Overlay) Paving





North of Whipple:

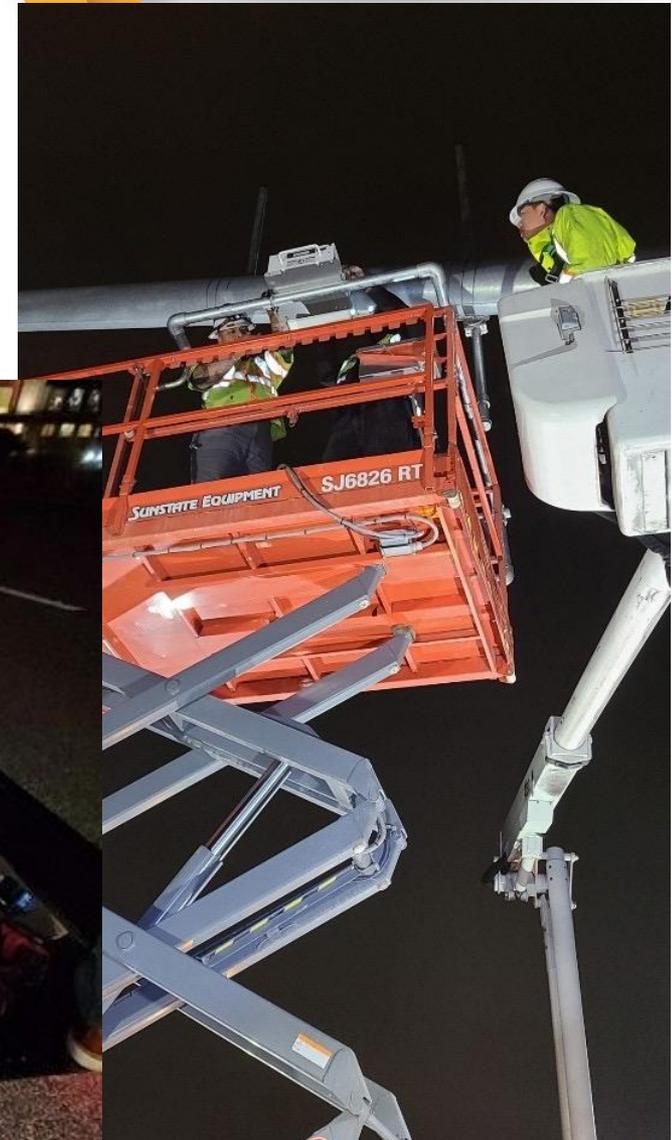
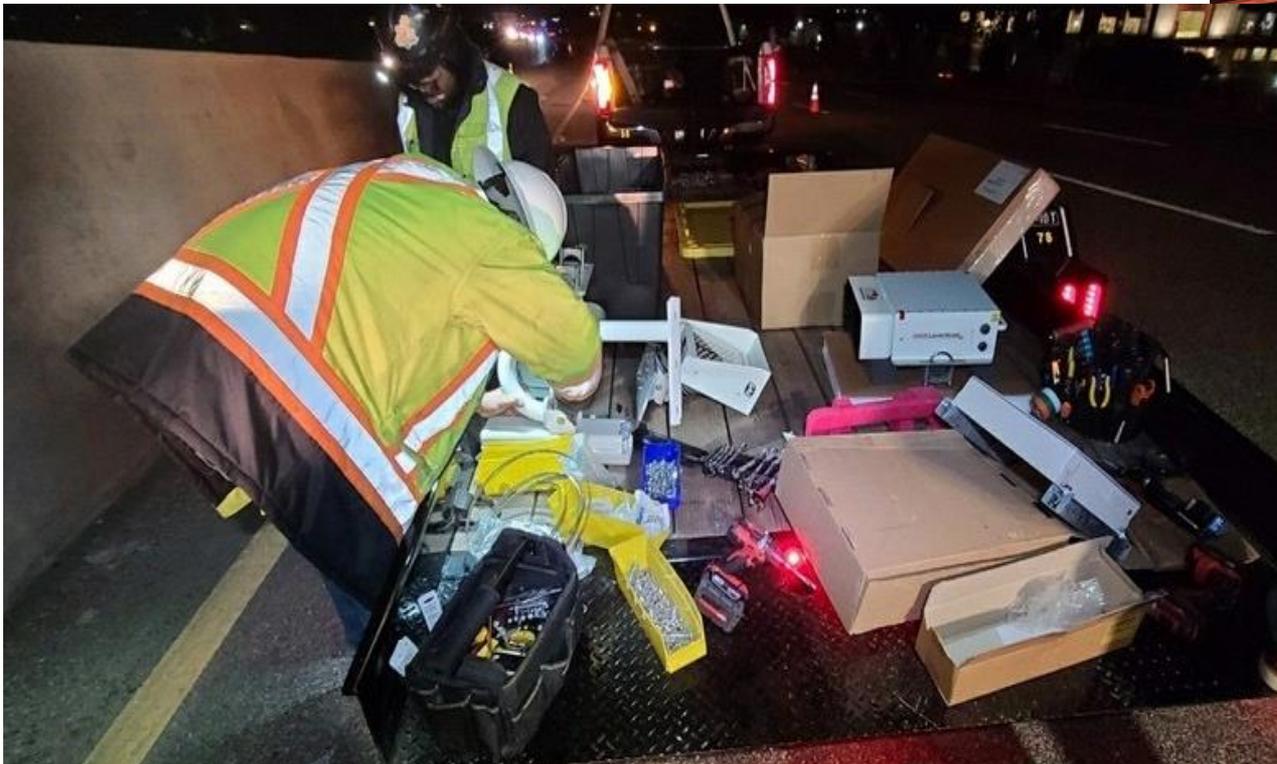
- Final layer (1/10th) overlay paving – finishing in Block 1
- Constructing, texturing, and painting median barrier
- Installing sign structures and variable toll message signs in all Blocks
- Installing tolling equipment in Block 4 (TransCore)
- Completing fiber optic cable connections to Millbrae BART Station

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SOUTH CONTRACT WORK COMPLETED



South of Whipple through September:

- Completed installation of tolling equipment



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UPCOMING WORK: October – December



South of Whipple:

- Testing tolling equipment and system
- Restriping freeway to final express lanes configuration
- Installing variable toll message sign overlays
- Installing other median signage

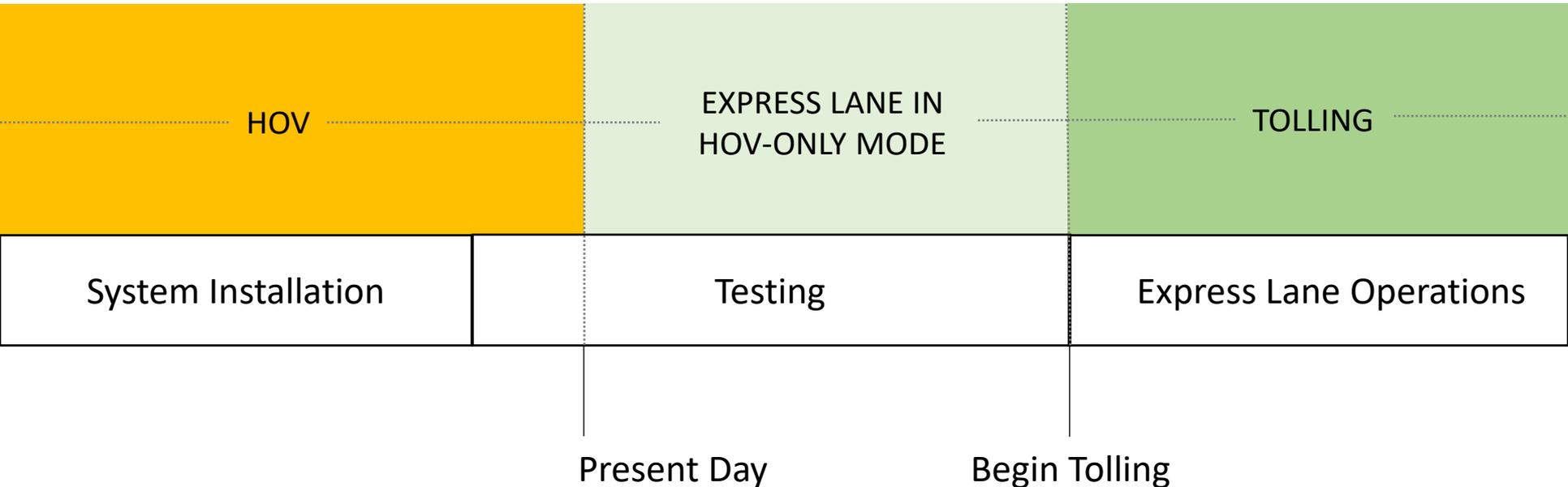




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LANE OPERATING MODES DURING TRANSITION



SM 101 EXPRESS LANES PROJECT SIGNS DURING CONSTRUCTION

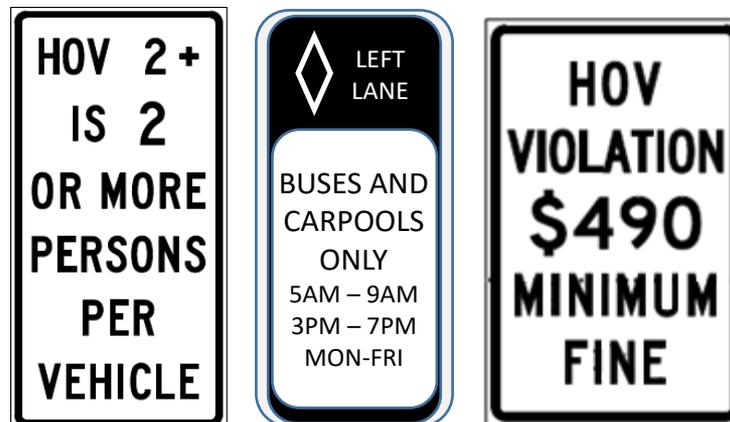


HOV

Variable Toll Message Sign



Other Median Signs



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SIGNS DURING TOLL TESTING



EXPRESS LANE IN HOV-ONLY MODE

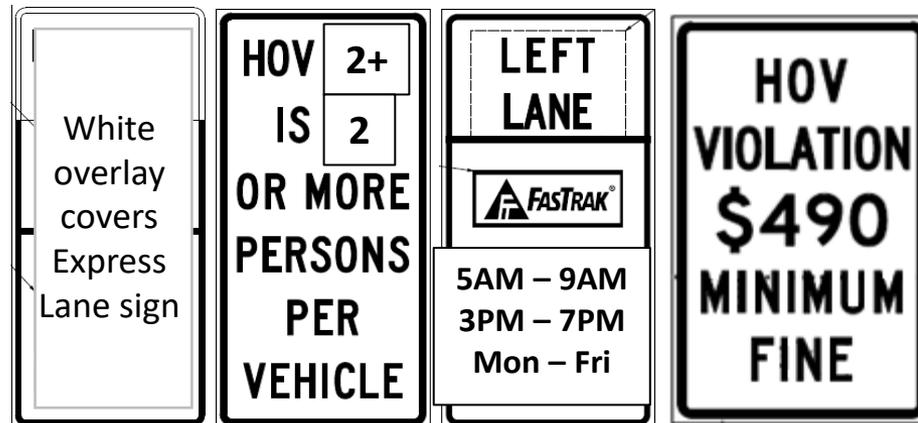


Variable Toll Message Sign

Portable Changeable Message Sign



Other Median Signs



SM 101 EXPRESS LANES PROJECT SIGNS AFTER TOLLING BEGINS



TOLLING

Variable Toll Message Sign



Other Median Signs





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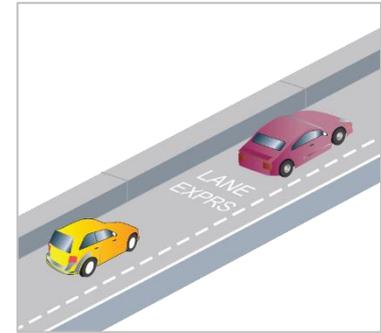
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PUBLIC INFORMATION – TOLL TESTING



Key Messages:

- Express Lanes are opening soon (begin tolling)
- Follow the signs on the road
- Get a FasTrak® Flex or CAV Toll Tag now



Outreach Tools:

- Quarterly Email
- Updated Caltrans project website (Main page, FAQs, Factsheet)
- Social Media (Twitter and Facebook)
- Traffic Advisory (for media)
- Portable Changeable Message Signs



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TIMELINE – MARKETING EXPRESS LANE OPENING

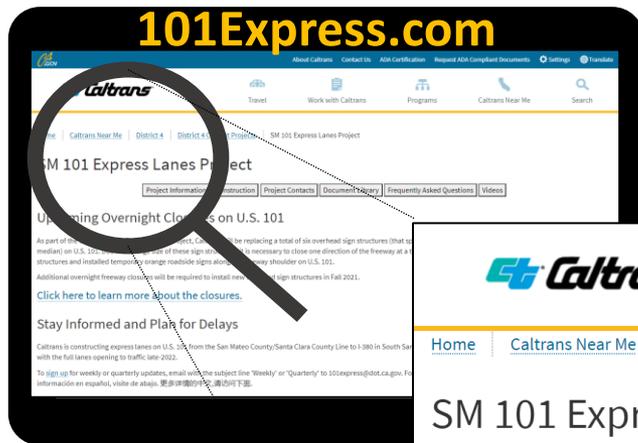


- **Public Information - 45 days before lane opens (tolling begins)**
 - On Corridor Signage
 - Regional websites (Caltrans, 511.org, FasTrak)
 - Social Media Messaging (Partners)
 - Press Release (with Caltrans, VTA, MTC)
 - Email blast: Cities, Community, Business and Key Stakeholders
- **Marketing/Advertising - 30 days before/after lane opens (tolling begins)**
 - Collaboration with MTC (511.org, FasTrak) and VTA
 - Digital/Social
 - Radio



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PUBLIC INFORMATION OVERVIEW



- **Construction updates are distributed via email.**
- Visitors can sign up for updates, contact Caltrans to ask a question, and view project status.
- To sign up for weekly or quarterly updates, email with the subject line 'Weekly' or 'Quarterly' to 101express@dot.ca.gov. Follow @CaltransD4 on Twitter for Project updates.



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CURRENT COST ESTIMATE - CONTRACT FOCUSED



Contract	Budget	Estimated Cost ⁽¹⁾	Variance	Expended as of 09/30/21 ⁽²⁾	Percent Expended	Percent Complete ⁽³⁾	Confidence ⁽⁴⁾
SM-101 Express Lanes Project <i>Costs shown in millions of escalated dollars</i>							
Environmental	20.39	20.28	(0.11)	20.27	99%	100%	●
Design & Right of Way	42.14	42.14	0.00	36.87	87%	88%	●
South Contract – Civil	74.81	74.81	0.00	74.57	99%	99%	●
North Contract - Civil	390.87	390.87	0.00	295.96	76%	78%	●
<i>North Contract – Civil</i>	<i>372.47</i>	<i>385.73</i>	<i>13.89</i>	<i>282.07</i>	<i>76%</i>	<i>78%</i>	●
<i>Project Contingency ⁽⁵⁾</i>	<i>18.40</i>	<i>4.51</i>	<i>(13.89)</i>	<i>13.89</i>	<i>75%</i>	<i>78%</i>	●
Toll System	48.12	48.12	0.00	7.87	16%	20%	●
<i>Toll System</i>	<i>43.44</i>	<i>43.63</i>	<i>0.19</i>	<i>7.68</i>	<i>18%</i>	<i>20%</i>	●
<i>Project Contingency ⁽⁵⁾</i>	<i>4.68</i>	<i>4.49</i>	<i>(0.19)</i>	<i>0.19</i>	<i>0%</i>	<i>0%</i>	●
Highway Planting	4.81	4.81	0.00	0.00	0%	0%	●
TOTALS	581.14	581.03	(0.11)	435.54	75%	78%	

(1) Estimated Cost represents current estimated cost to complete each contract.

(2) Expenditures include \$12M deposit against North Contract – Civil.

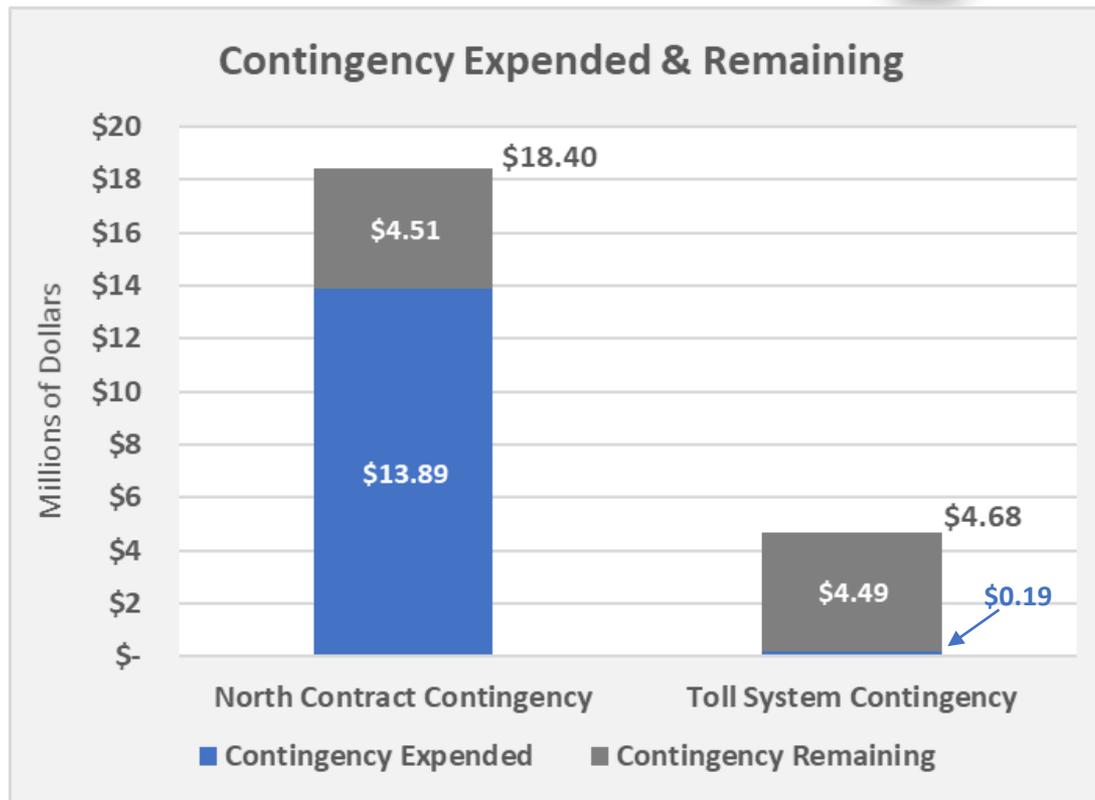
(3) Percent completes shown are based on qualitative assessment of physical % complete per milestones and schedule.

(4) ● = Within budget, ● = identified potential risks that may significantly exceed budget if not mitigated,

● = Known impacts to budget - changes forthcoming.

(5) Assume 100% utilization of Project Contingency in overall estimated cost of project

SM 101 EXPRESS LANES PROJECT CURRENT CONTINGENCY BALANCE



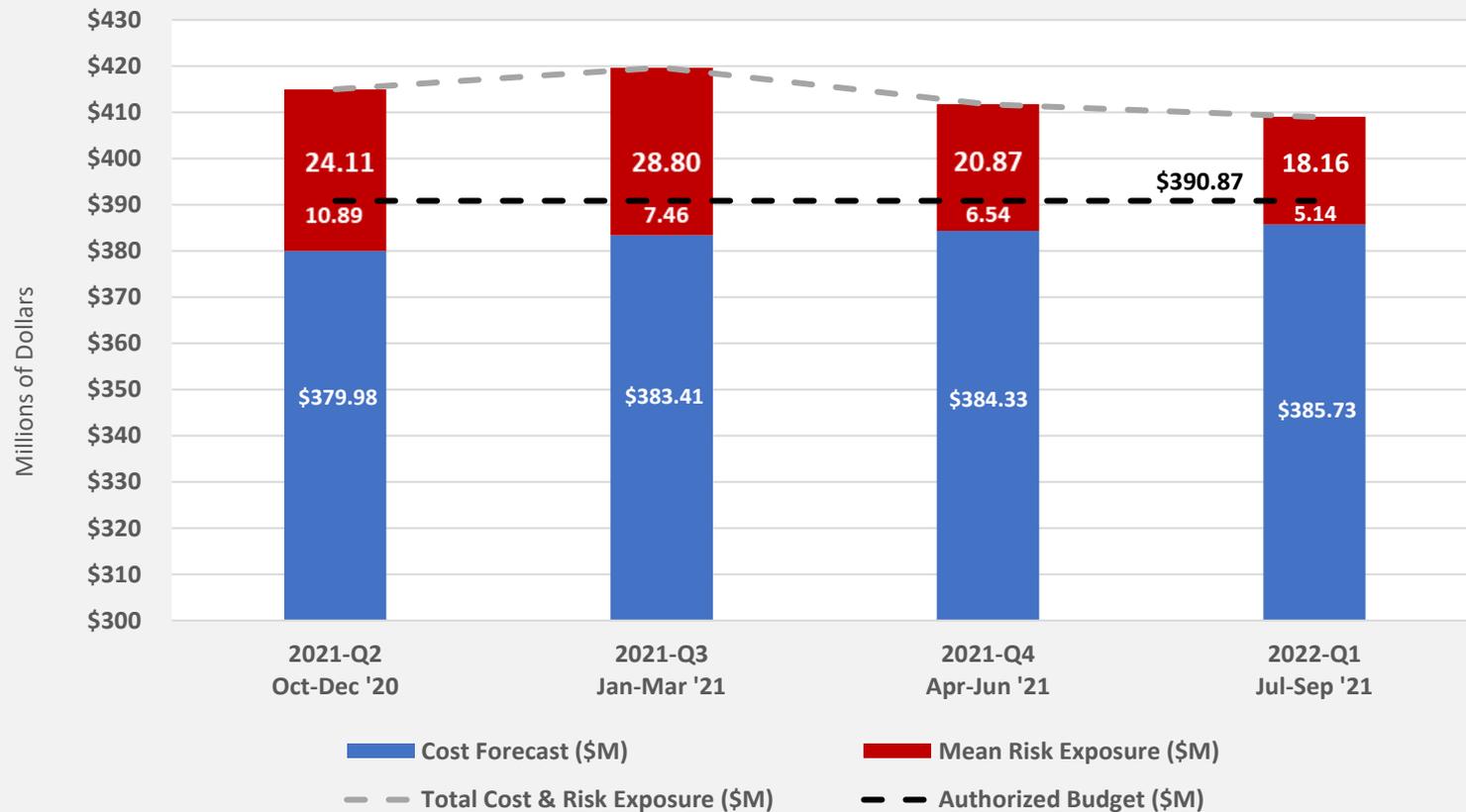
- Contingency expended includes the following:
 - New contract change orders for various reasons including, barrier foundation revisions, grade revisions, maintenance of landscape areas, and miscellaneous signage issues

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RISK MANAGEMENT – CIVIL CONTRACT

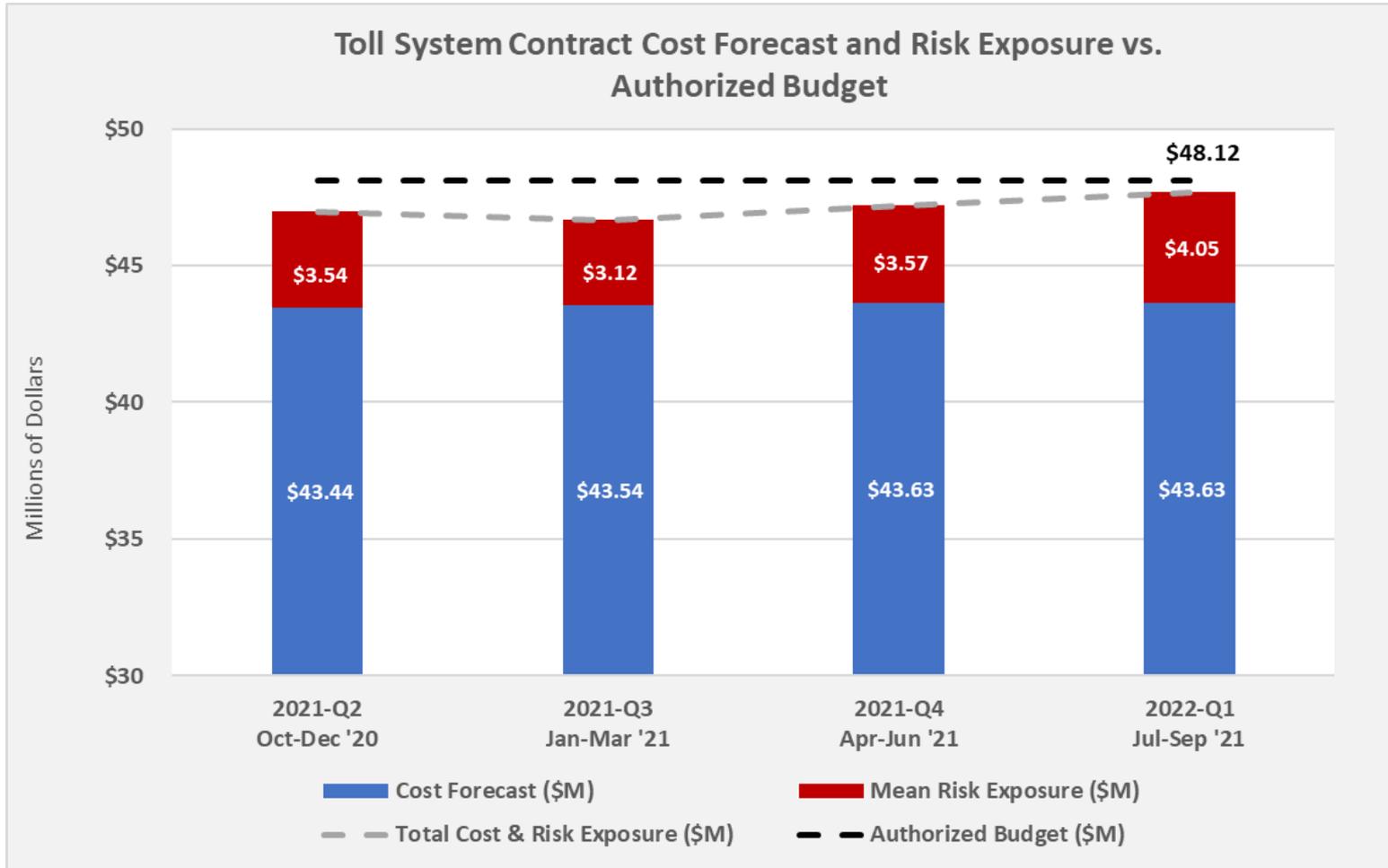


North Contract Cost Forecast and Risk Exposure vs. Authorized Budget



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RISK MANAGEMENT – TOLL CONTRACT





Questions?