

SM 101 EXPRESS LANES PROJECT

Quarterly Project Update



SMCTA Board Meeting November 4, 2021

SM 101 EXPRESS LANES PROJECT AGENDA



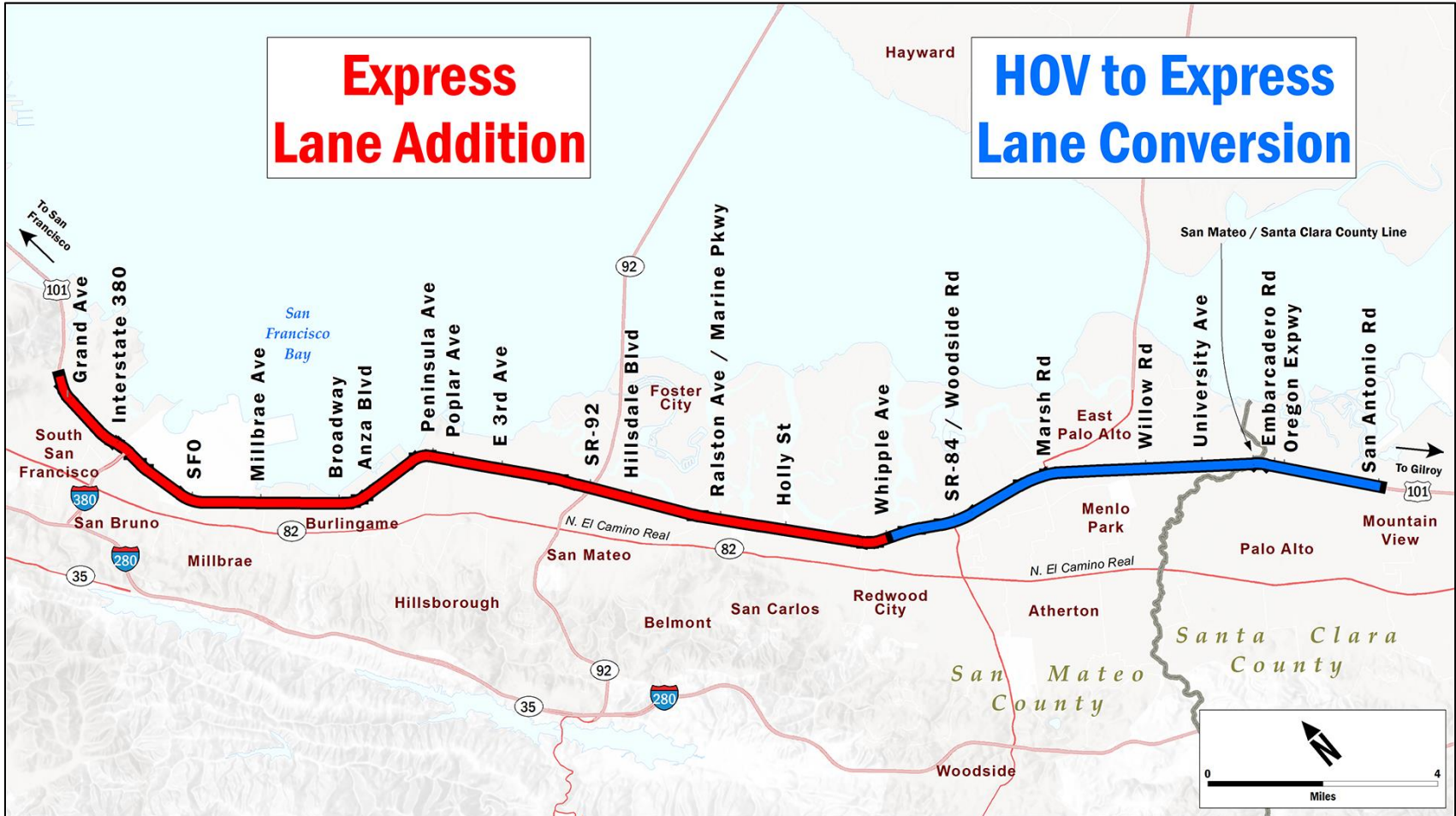
- Construction Progress
- Project Spotlight
- Public Outreach Activities
- Financial and Risk Status



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

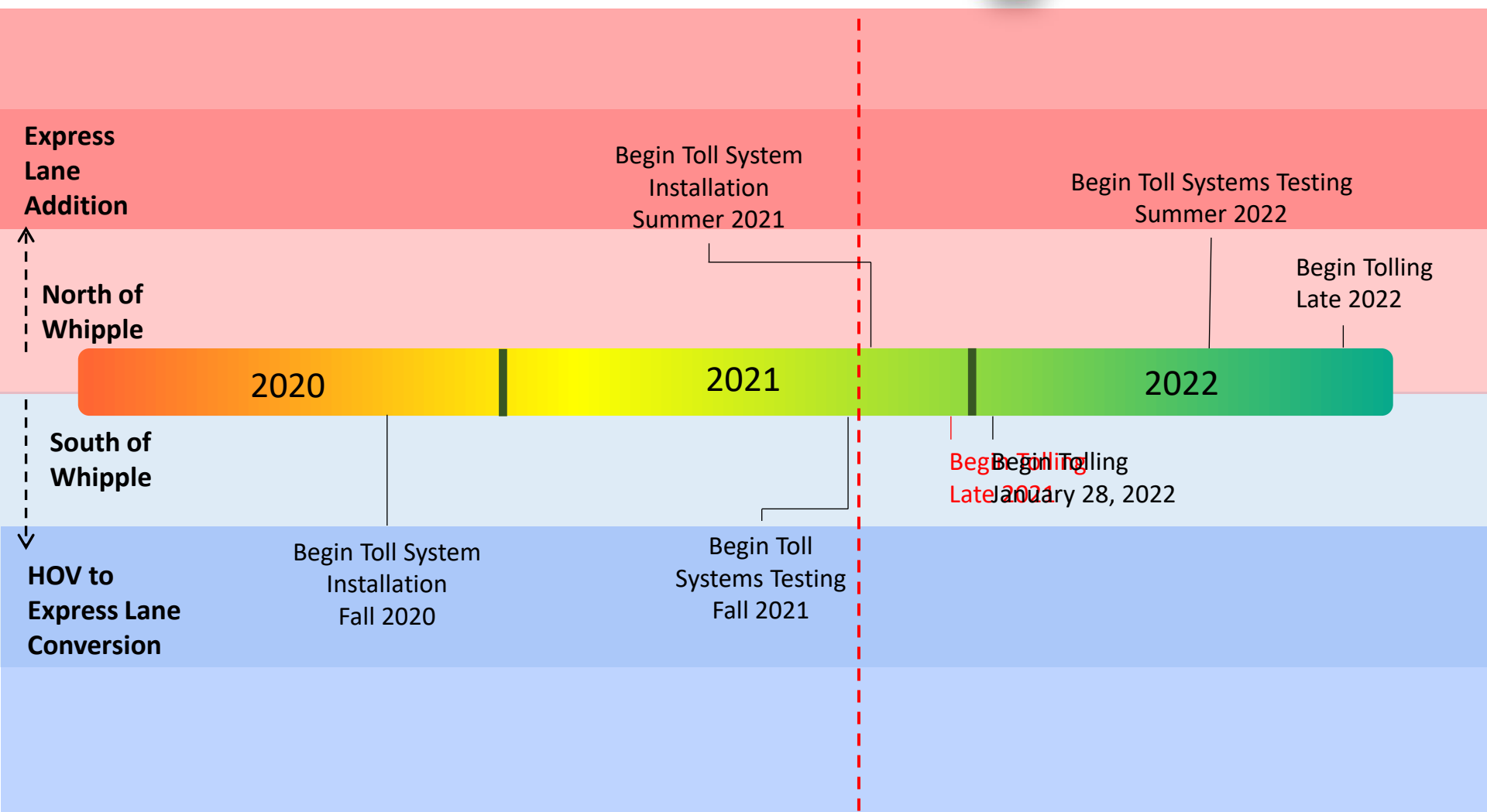
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PROJECT LIMITS



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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

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OPENING DATE RISK MITIGATION



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

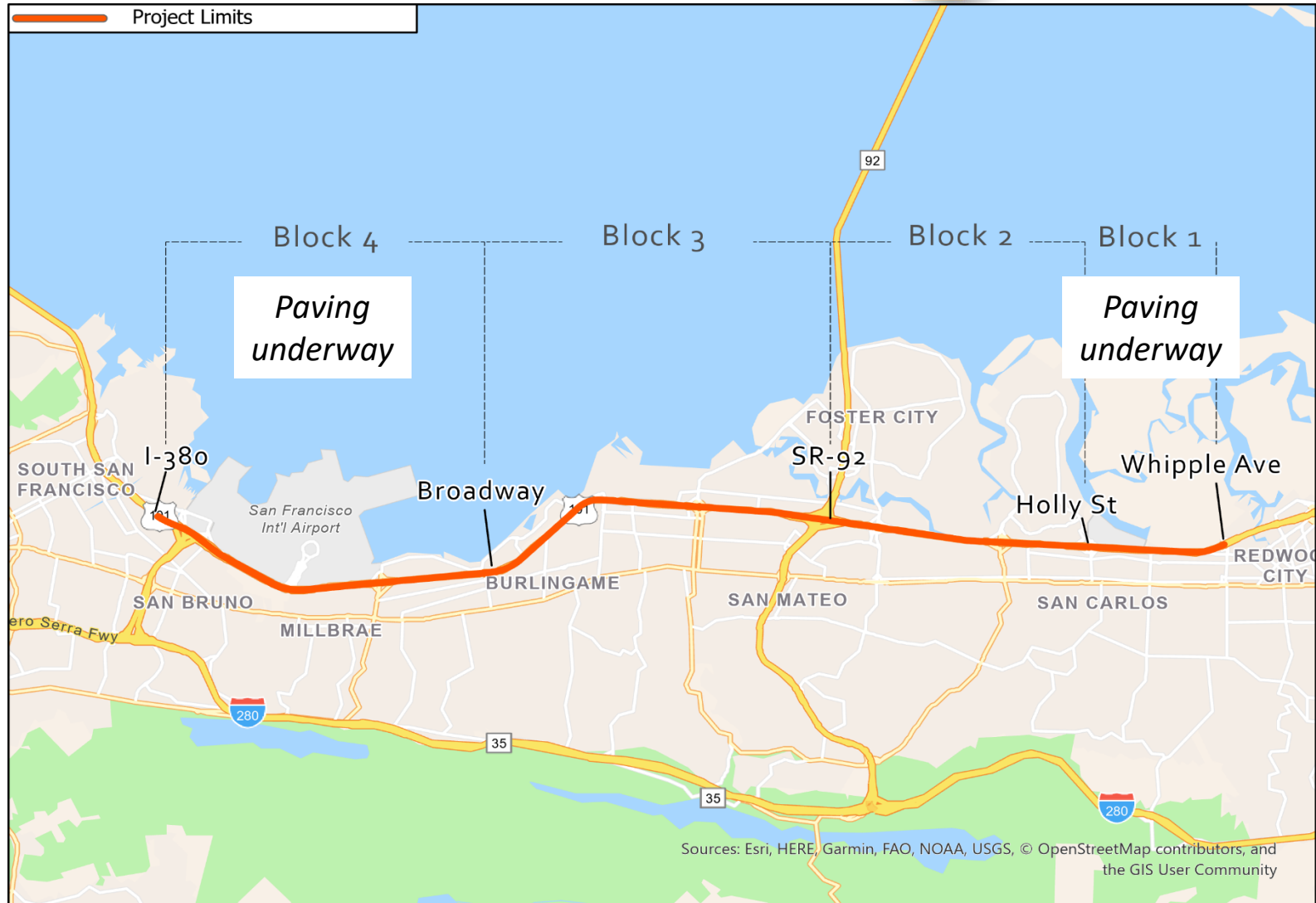


Making use of North Segment equipment when it arrives

Note: not anticipated to affect North Segment schedule

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NORTH CONTRACT CONSTRUCTION BLOCKS





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

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NORTH CONTRACT WORK ONGOING



Block 4 Median Barrier Construction



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Median Barrier Texture and Paint



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NORTH CONTRACT WORK ONGOING



Temporary Concrete Barrier Removal



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NORTH CONTRACT WORK ONGOING



Final Layer (1/10th Overlay) Paving





North of Whipple:

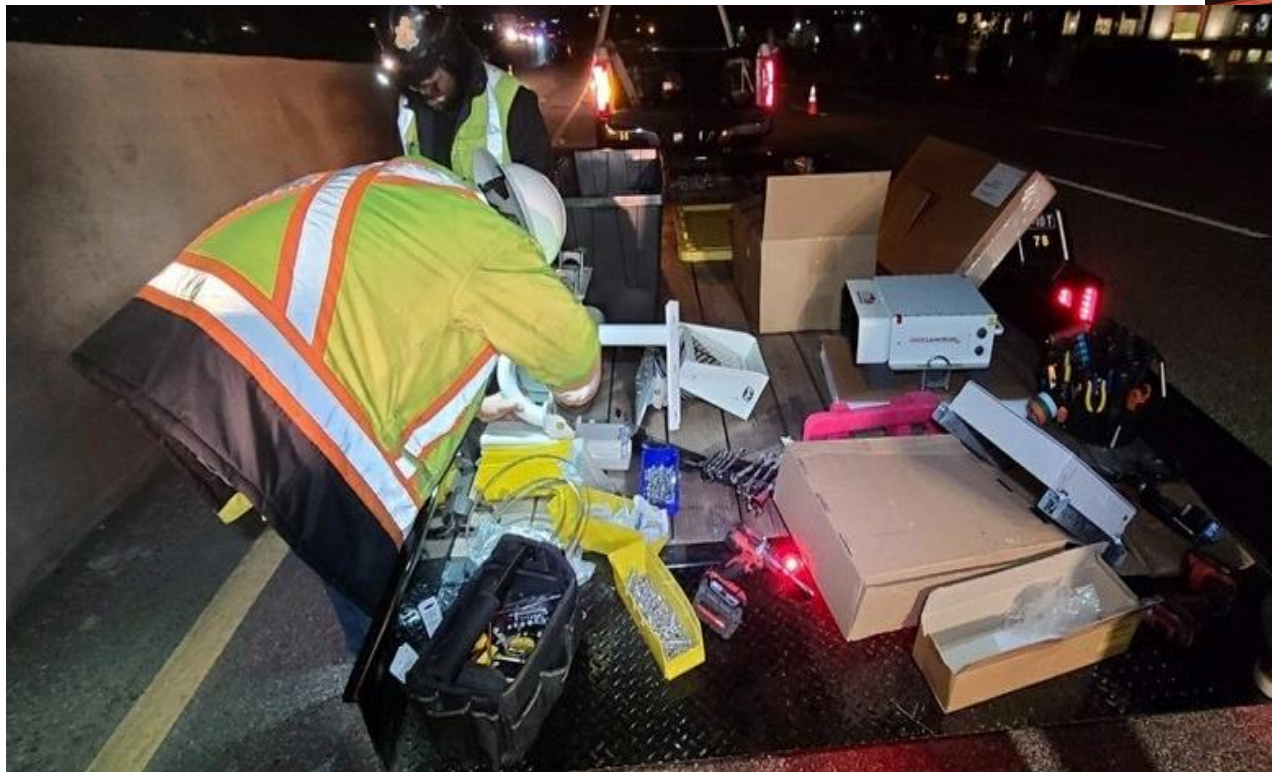
- Final layer (1/10th) overlay paving – finishing in Block 1
- Constructing, texturing, and painting median barrier
- Installing sign structures and variable toll message signs in all Blocks
- Installing tolling equipment in Block 4 (TransCore)
- Completing fiber optic cable connections to Millbrae BART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

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SOUTH CONTRACT WORK COMPLETED



South of Whipple through September:

- Completed installation of tolling equipment



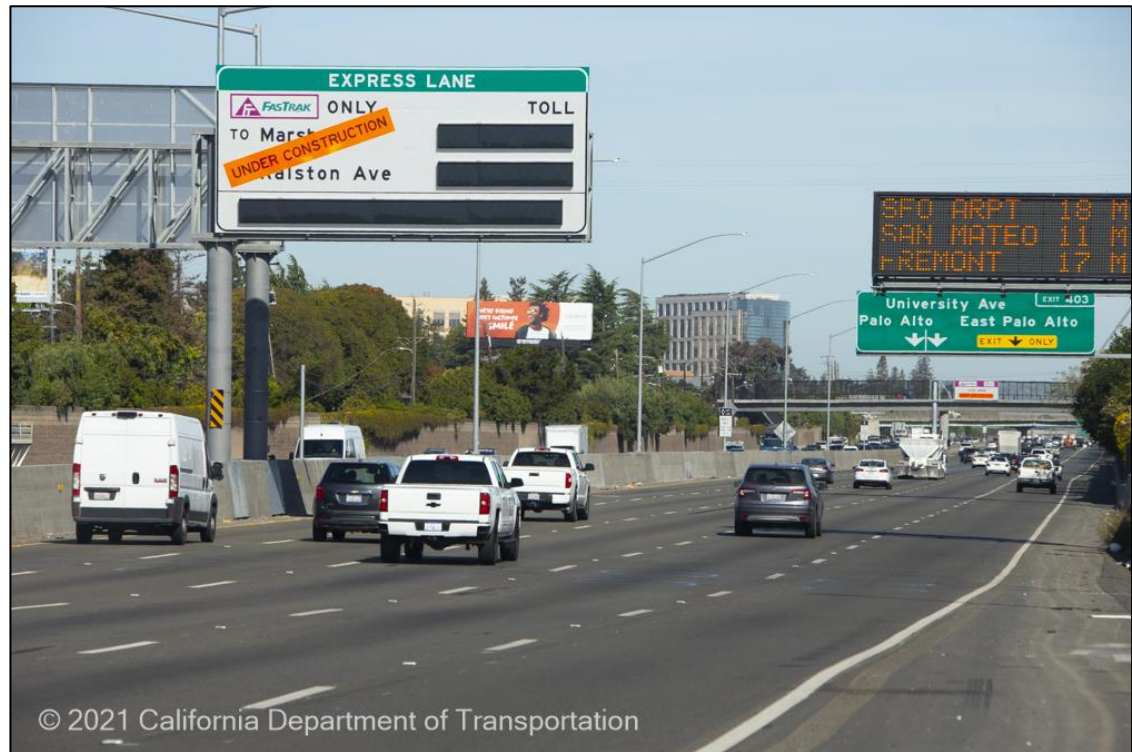
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UPCOMING WORK: October – December



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

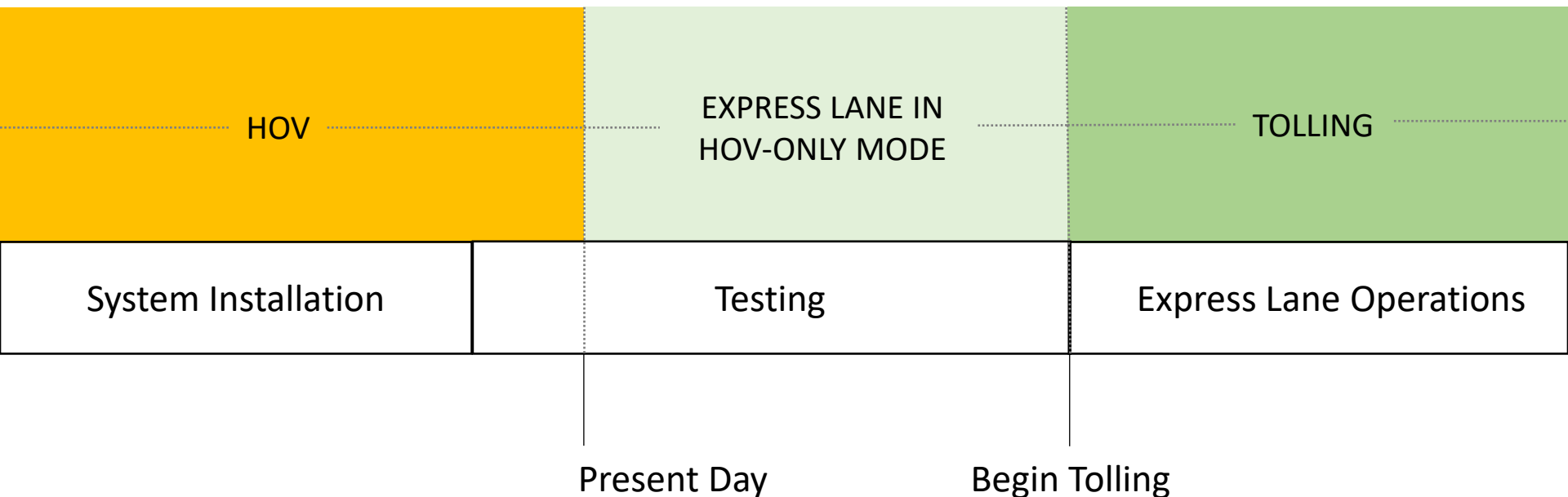




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LANE OPERATING MODES DURING TRANSITION



SM 101 EXPRESS LANES PROJECT SIGNS DURING CONSTRUCTION

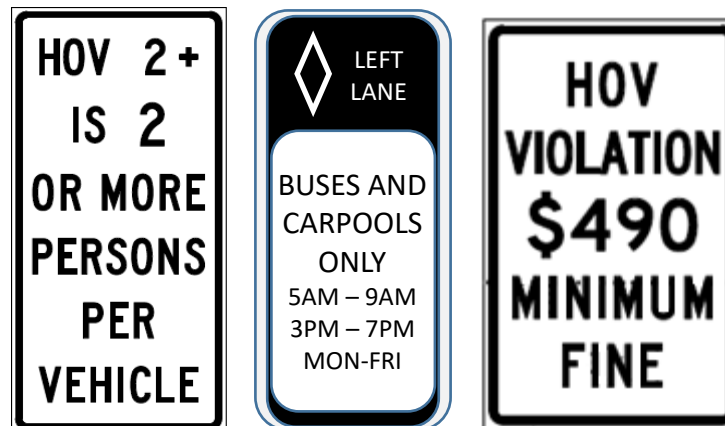


HOV

Variable Toll Message Sign



Other Median Signs



SM 101 EXPRESS LANES PROJECT SIGNS DURING TOLL TESTING



EXPRESS LANE IN HOV-ONLY MODE

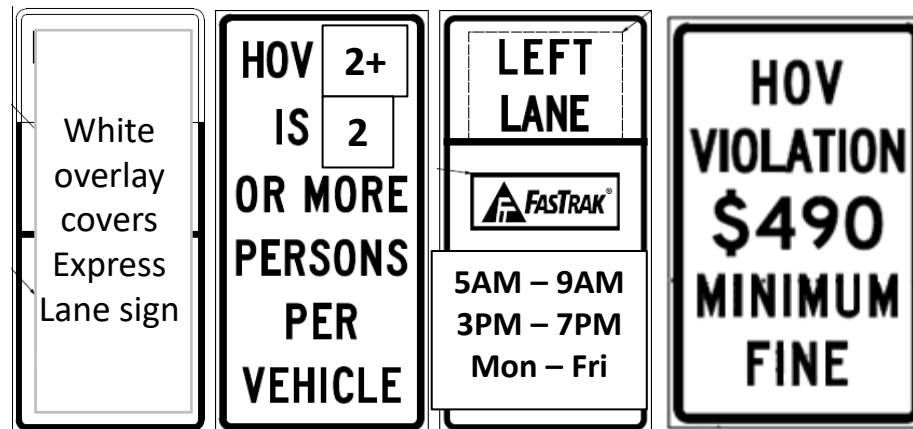
Variable Toll
Message Sign



Portable
Changeable
Message Sign



Other Median Signs



SM 101 EXPRESS LANES PROJECT SIGNS AFTER TOLLING BEGINS



TOLLING

Variable Toll Message Sign



Other Median Signs





- Construction Progress
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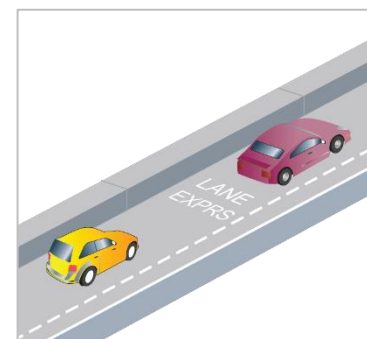
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PUBLIC INFORMATION – TOLL TESTING



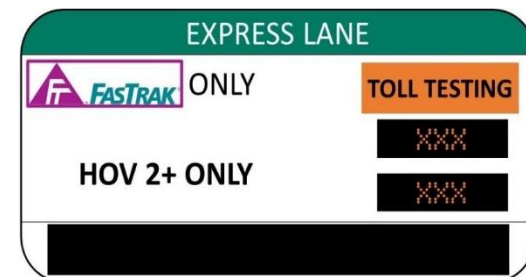
Key Messages:

- 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.



- Construction Progress
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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 Costs shown in millions of escalated dollars							
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.

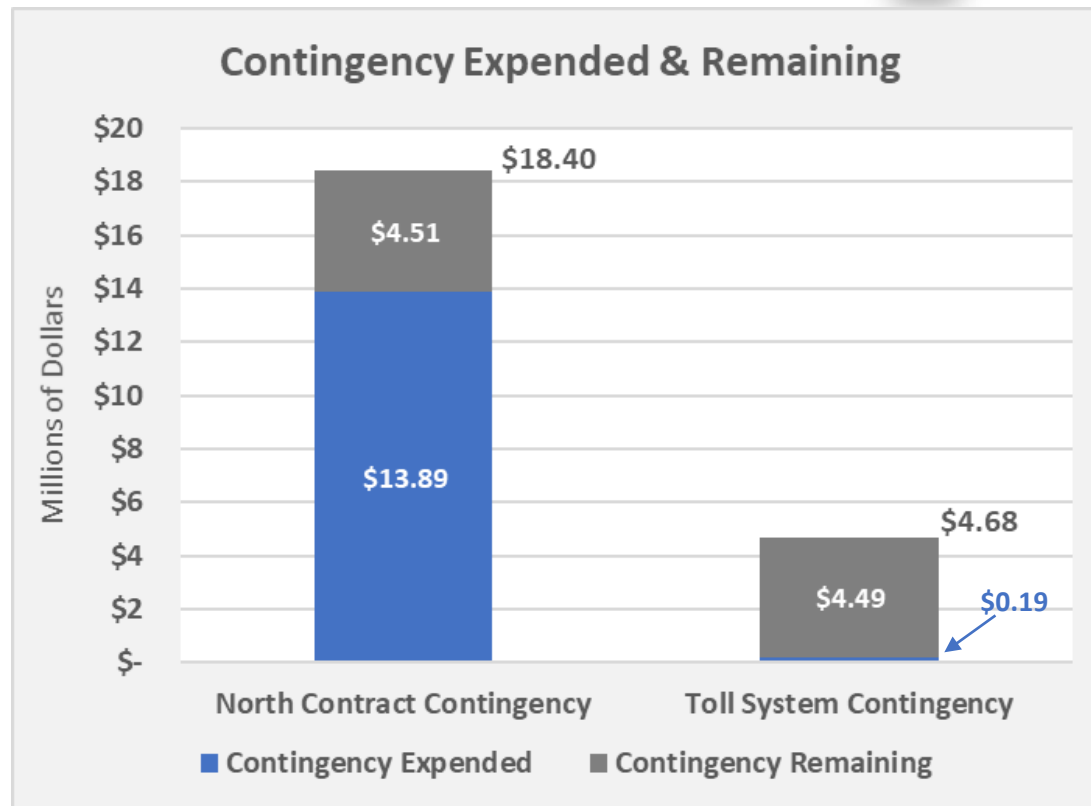
(4) ● = Within budget, ● = identified potential risks that may significantly exceed budget if not mitigated,

● = Known impacts to budget - changes forthcoming.

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

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CURRENT CONTINGENCY BALANCE



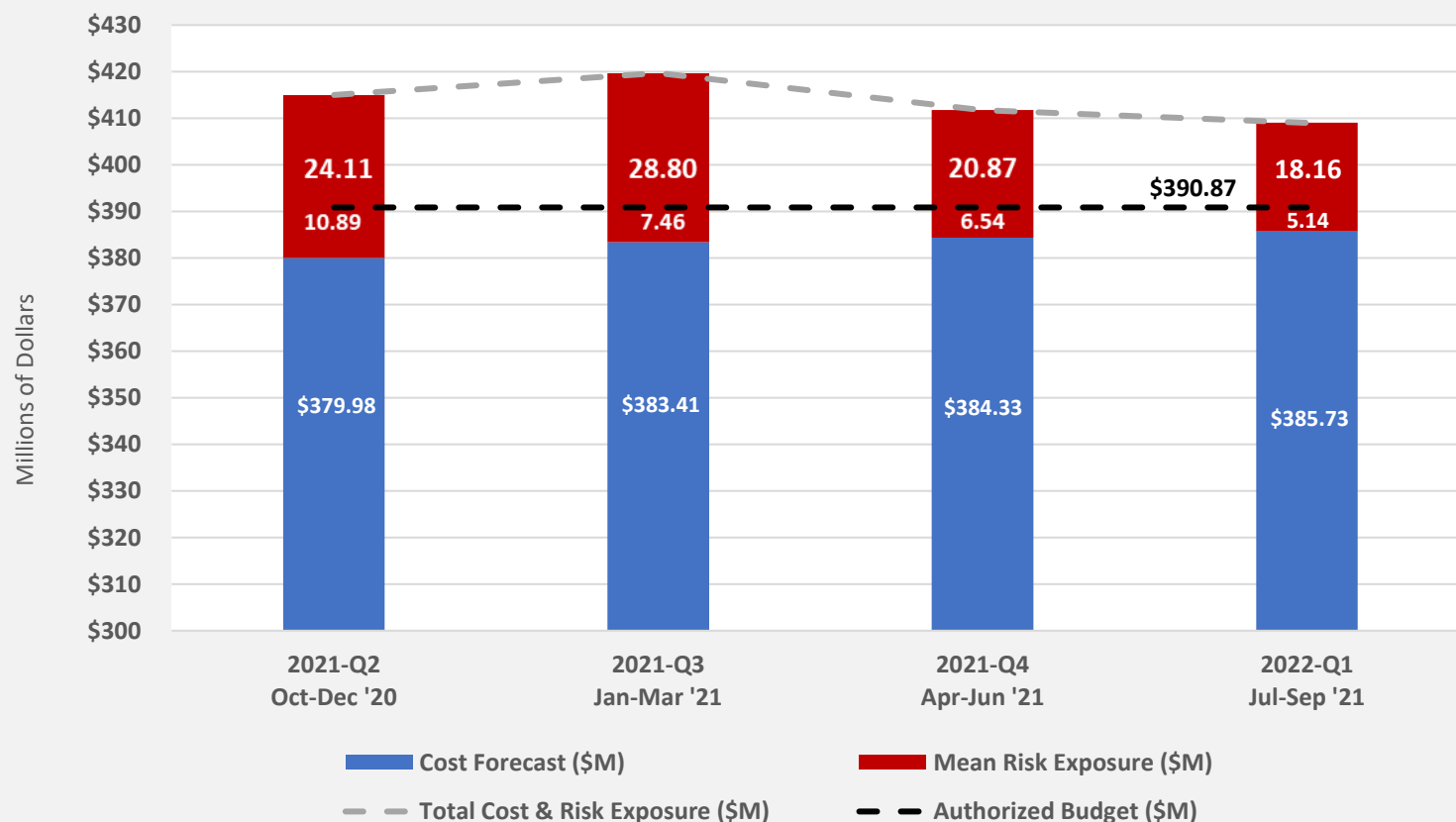
- Contingency expended includes the following:
 - New contract change orders for various reasons including, barrier foundation revisions, grade revisions, maintenance of landscape areas, and miscellaneous signage issues

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RISK MANAGEMENT – CIVIL CONTRACT

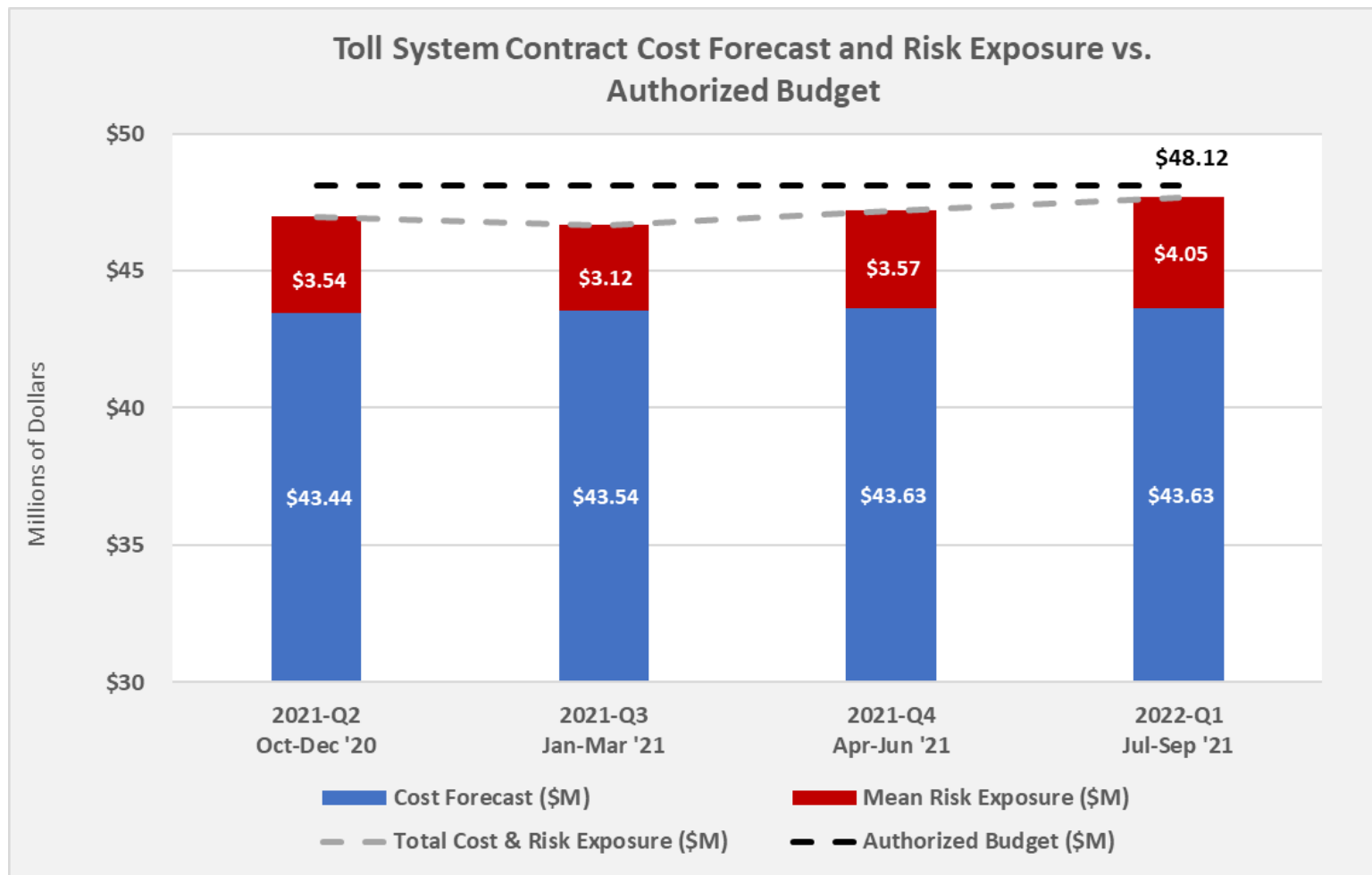


North Contract Cost Forecast and Risk Exposure vs. Authorized Budget



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RISK MANAGEMENT – TOLL CONTRACT





Questions?