

Presentation Outline

- Preliminary Planning Study (PPS) Overview
- · Previous Studies, Existing Conditions and P&N
- Alternatives Development and Overview
- Recommendations
- Next Steps

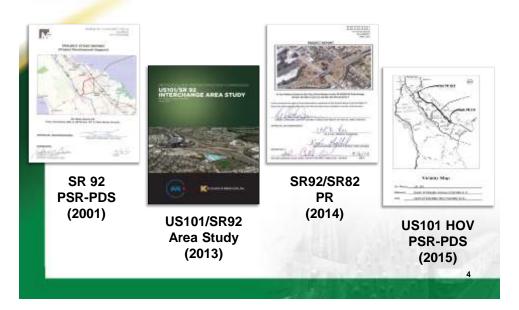


Preliminary Planning Study (PPS) Overview

- SMCTA (Funding & Implementer) & C/CAG (Sponsor) joint effort with input from Caltrans, City of San Mateo, City of Foster City, and consultant
- Assess traffic deficiencies, develop project Purpose and Need
- Develop alternatives with stakeholders; evaluate costs, impacts and benefits
- Recommend Short- and Long Term projects to move forward into the Caltrans Project Initiation Document (PID) Phase

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Previous Studies



92/82 I/C Reconfiguration











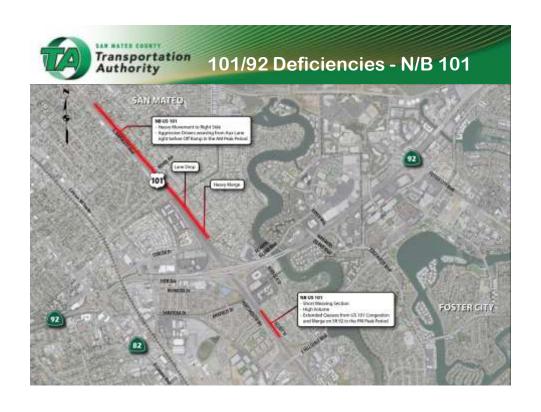
PURPOSE

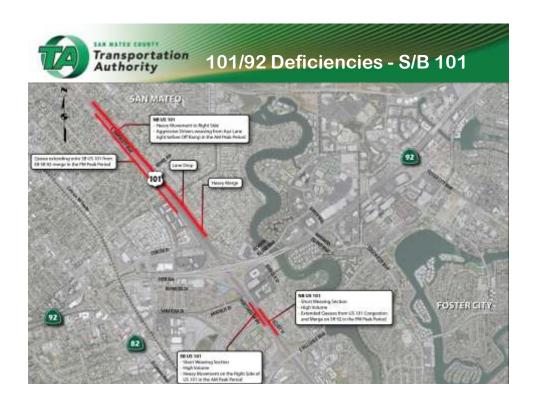
Improve traffic flow and safety, and increase mobility through the 101/92 Interchange area by minimizing traffic conflict locations and improving peak-period travel times within project limits along 101 and 92

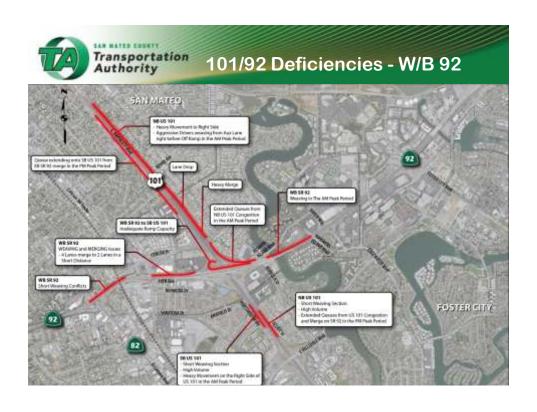
NEED

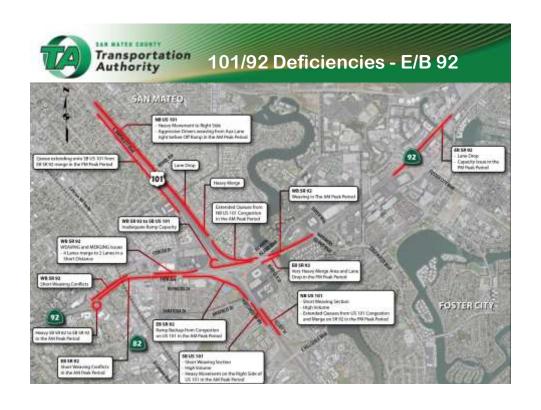
Overall substantial delay and congestion at the 101/92 Interchange

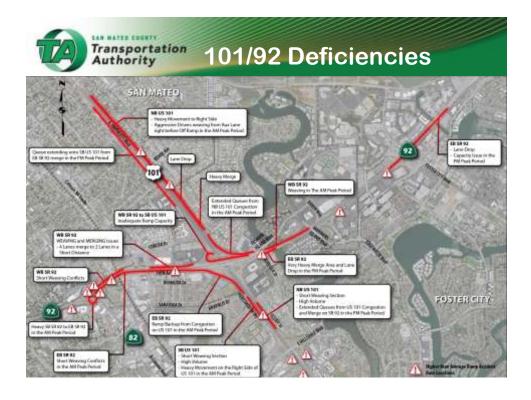
Transportation Authority 101/92 Deficiencies











Alternatives Development

- Evaluated seven Short Term and twenty-one Long Term alternatives
- Brain-storming session with Cities of San Mateo and Foster City, C/CAG and SMCTA
- Shortlisted nine basic alternatives
- Presented to Caltrans
- Revised alternatives based on Caltrans comments.
 Cost estimates, impact evaluations, design exceptions and traffic operations benefits incorporated into final PPS June 2016.



Short Term Alternatives: A

- Projects that can be implemented more quickly through streamlined Permit Engineering Evaluation Report (PEER) Caltrans Process
- Projects with relatively low total cost (<\$10M)

Long Term Alternatives: X, Y, Z

- Projects that require full Caltrans Oversight Process (Planning, Environmental, Design) and take longer to implement
- Projects with relatively high total cost (>\$10M)
- · Projects that provide more traffic and safety improvements







Alternatives Ratings



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Short Term Alternative 7A:

WB 92 to SB 101 Loop Ramp Connector ML Addition

ISSUE #7: Loop connection from Will No to SR US 1031 Non-moderquate capacity.

SHORT TERM ALTERNATIVE 7A:
Proposes an additional ML preferential lane to compliment the existing mixed-flow lane. The connector traffic will be ramp metered before entering SM US 101.



\$7M



ISSUE #8: Nullipse overge over a thant distance along #8.60. SHORT TERM ALTERNATIVE BA? The prognous districtive and districtions the bridge last marge and public range between the R8.50 US US serms, and action matrix in ES.50 Stragactivy between the US 100 on-earty and Mattern Island Studiesest.



\$3.5M

Long Term Alternative 1X: 101 Braided Ramps













Multiple marges over a stort distance siting \$2.5





SAFETY

Low: No improvement to weave/merge areas; minimal mobility

improvement could potentially lower rear-end type of accidents

High: Clear safety improvement by eliminating unsafe merges at

weave conflict locations

ENVIRONMENTAL

Low: Minimal impact that could likely be cleared with CE/CE approval

Medium: Not CE/CE, but avoids adverse impacts and may qualify for

IS/EA approval

High: Adverse impacts requiring EIR/EIS approval

RIGHT OF WAY

Low: May have only temporary construction easement requirements

Medium: May require partial right of way acquisitions or sliver takes

High: Full right of way acquisitions potentially requiring relocations



Alternative	Estimated Total Cost (in millions)	Operational Benefit	Safety Benefit	Impact to Local Traffic Circulation	Environmental Impact	Right of Way Impact
1X*	\$52M	Improves weaving and operations	High	Needs further evaluation	Medium	Medium
1Y	\$89M	Improves weaving and operations (NB only)	High	Needs further evaluation	Medium	High
2X*	\$93M	Improves operations for ML users (WB 92 to 101) and operations for 101	Low	None	Medium to High	Medium
3A	\$3.3M	Low operations benefit	Low to Medium	None	Low	None
3X*	\$6.5M	Operational benefit (NB only)	Low to Medium	None	Low	Low

Summary of Alternatives Along 92

Alternative	Estimated Total Cost (in millions)	Operational Benefit	Safety Benefit	Impact to Local Traffic Circulation	Environmental Impact	Right of Way Impact
7A*	\$7M	Improves operations for ML users (WB 92 to SB 101 only)	Low	None	Low	None
8A*	\$3.5M	Improves weaving and operations	High	None	Low	None
8X	\$40M	Improves weaving and operations	High	None	High	Low
8Y	\$58M	Low weaving improvement	Low	None	High	Medium
8Z*	\$103M	Improves weaving and operations	High	Needs further evaluation	High	Medium
8ZX*	\$154M	Improves weaving and operations	High	Needs further evaluation	High	High
9A	\$0.5M	Low operations benefit	Low	Needs further evaluation	Low	None
9Y*	\$47M	Improves weaving and operations	High	Needs further evaluation	High	Medium
*Recommende	d alternative			,		28



Recommended Alternatives and Packages

Short Term:

Alternatives 3A, 7A, 8A and 9A (\$14M)

Long Term Reduced Package: 1X, 3X, 8X, 9Y (\$146M)

Long Term Alternate Package: 1Y, 3X, 8Z and 9Y (\$246M)

Long Term Primary Package: 1X, 2X, 3X, 8ZX and 9Y (\$353M)

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- Project sponsor(s) to determine which alternatives to advance using stakeholder input, regional goals and anticipated funding ranges
- Sponsor to pursue Measure A or other source to fund effort
- Engage Caltrans with Pre-PID meeting to discuss project Purpose & Need and project development path
- Prepare PEER, PID and PR or PID as appropriate to program funding; gain project approval

