



Outline

- · History, Purpose & Methodology
- · CIP: Order of Magnitude Findings
- Highway Performance Assessment
- Policy Considerations
- Next Steps



History

- TA Strategic Plan 2014-2019 identified Highway Program funding shortfall, recommended preparation of a CIP
- August 2015: presented Highway CIP findings to the Board
- Fall 2015: Highway CIP subcommittee met to discuss findings; provided guidance on the 2015 Call for Projects (CFP)
- 2016 activities
 - Updated Highway CIP based on 2015 CFP recommendations & subsequent project updates
 - Prepared Highway Performance Assessment

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Purpose

- High-level order of magnitude assessment of costs vs. revenues over a 10-year period, FY2016 to FY2025
- Provide context for investment decisions for future Highway CFPs
- Identify key issues and present policy considerations



Methodology

- Generated list of projects with schedules, costs and funding from:
 - Sponsor Letters of Interest
 - Existing pipeline of highway projects & projects submitted for the 2015 Highway Program Call for Projects
- CIP is not financially constrained; purpose is to demonstrate funding need
- Not a programming document; no prioritization of projects

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CIP: Order of Magnitude Findings

10-year identified costs (FY 2016-2025)

- KCA projects: \$555.3 million

- SR projects: \$1,031.7 million

- Total project costs: \$1,587 million*

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^{*} Increase of approximately \$300 million from August 2015 CIP presentation, primarily from addition of full implementation estimates on SR92 Interchange projects where prior estimates only included planning phase of work.



CIP: Order of Magnitude Findings

10-year funding projections (FY 2016-2025)

- Measure A highway program: \$352.5 million

o KCA funds:

\$229.8 million o SR projects: \$122.7 million

- Other funds*: \$278.4 million

- Total Funding: **\$630.9** million



CIP: Order of Magnitude Findings

10-year shortfall (FY 2016-2025)

- Total project costs: \$1,587.0 million

- Total projected funding: \$631.0 million

- Total Shortfall **\$956.0** million

KCA project shortfall: \$252 million o SR project shortfall: \$704 million

^{*} Federal, state and local funds, including development fees, proposed from sponsors



Performance Assessment

- Purpose: Better understand regional congestion & safety "hot spots" in San Mateo County
- · Performance measures:

Congestion

- Total delay
- % of free flow speed
- Travel time reliability

Safety

- Collisions: fatalities and injuries
- Collision rates

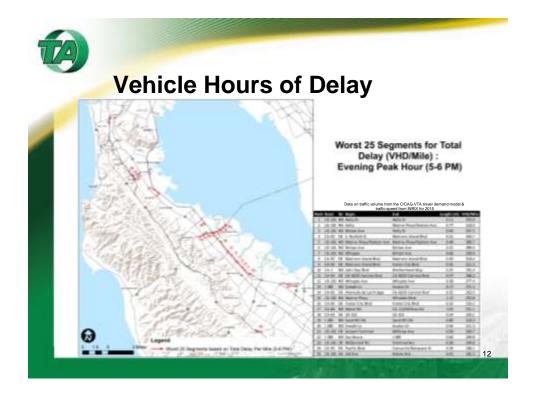
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Vehicle Hours of Delay







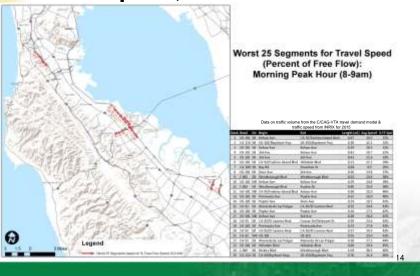


Travel Speed, % of Free Flow Travel Speed, % of Free Flow Travel Speed (Free Flow) Travel Speed (Free Flow) Travel Speed (Free Flow) Travel Speed (Free Flow)



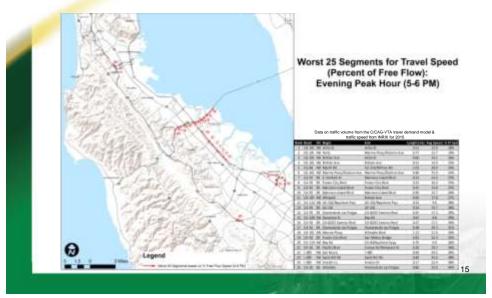


Travel Speed, % of Free Flow





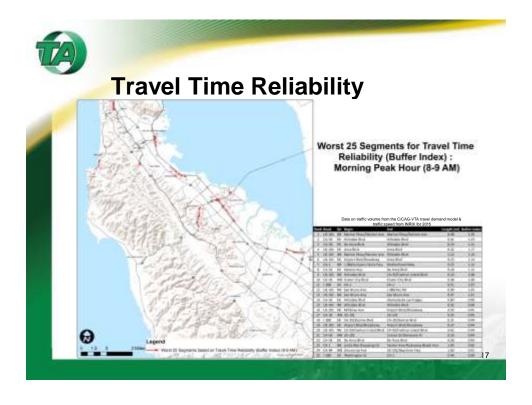
Travel Speed, % of Free Flow





Travel Time Reliability









Traffic Collisions





Policy Considerations

- Highway Program currently is on a pay-as-you-go approach, should we consider advancing future Measure A funds?
- Are the following matching funds goals realistic?
 - KCA projects: 50% Measure A Highway Program & 50% matching funds
 - SR projects: 70% Measure A Highway Program & 30% matching funds



Policy Considerations

- Should design and right of way costs be programmed and allocated to projects only after a credible funding plan for construction is presented to the TA?
- Should we enforce timely use of funds policies?
 - Four projects awarded \$16 million from the 2012 CFP are approaching five years of inactivity

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Policy Considerations

- Options to leverage funds for future calls for projects
 - Advance funding from future Highway Program revenues to fund projects; may need to consider debt financing
 - Could provide, for remaining life of measure, up to \$450 million, less financing costs
 - Require sponsors to provide funding match
 - Work with public & private partners on innovative financing and delivery strategies



Policy Considerations

Call for Projects: Different Approaches

- Fund Measure A pipeline projects first, reserve a small set-aside for new projects
- Fund Measure A pipeline projects in areas of greatest congestion & safety deficiencies first, reserve small set-aside for other and new projects
- Fund design and right of way only after a solid funding plan provided for construction
- Consider combination of the approaches listed above

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Next Steps

- Re-initiate discussion with Highway CIP subcommittee: Feb - April 2017
- Present policy revisions to Board for next Highway CFP: May - June 2017
- Release next Highway CFP call Summer 2017
- Board decision on funding awards December 2017

