



North Bayshore Circulation Feasibility Study

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Jim Lightbody, Project Manager
Dawn Cameron, Public Works Director
Mike Fuller, Assistant City Manager



Background

- North Bayshore Precise Plan adopted in 2017.
- Plan includes near-term transportation studies:
 - Feasibility of potential gateway improvements - new Stevens Creek bridge, Charleston Road connection under US 101
 - Refinement of circulation plans and strategies for transportation needs with the full Precise Plan

North Bayshore Transportation Plan



Charleston Undercrossing

Stevens Creek Bridge

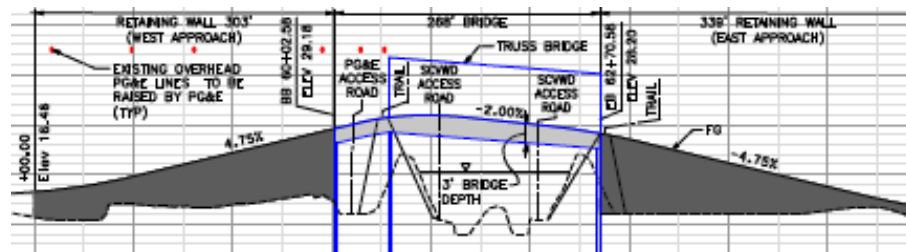
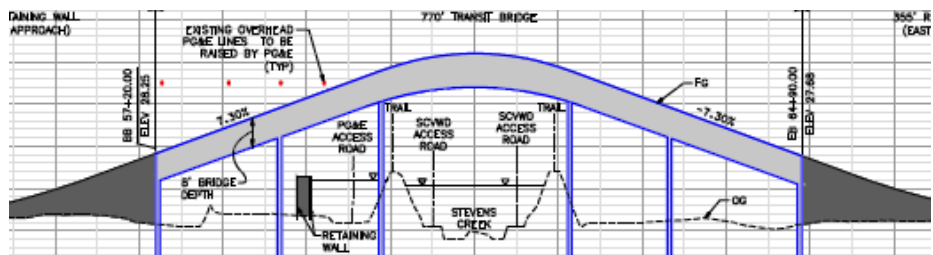
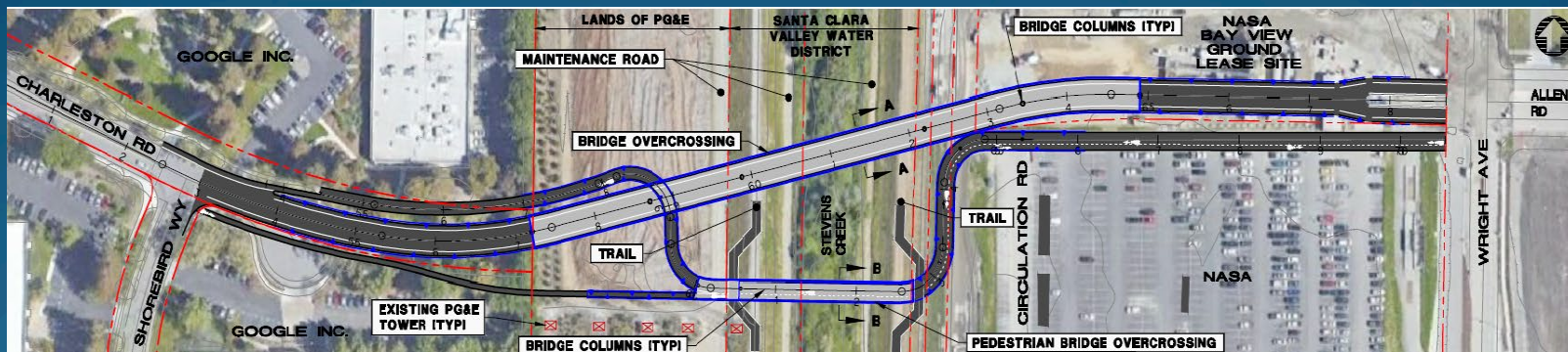


Potential Priority Gateway Projects

- Stevens Creek Bridge Options
 - Combined transit and pedestrian/bike components
 - Two locations considered
 - Charleston Road and La Avenida
 - Three alternatives at each location
 1. Separate transit and pedestrian/bike bridges
 2. Clear span bridge over creek
 3. Integrated transit/pedestrian/bike bridge

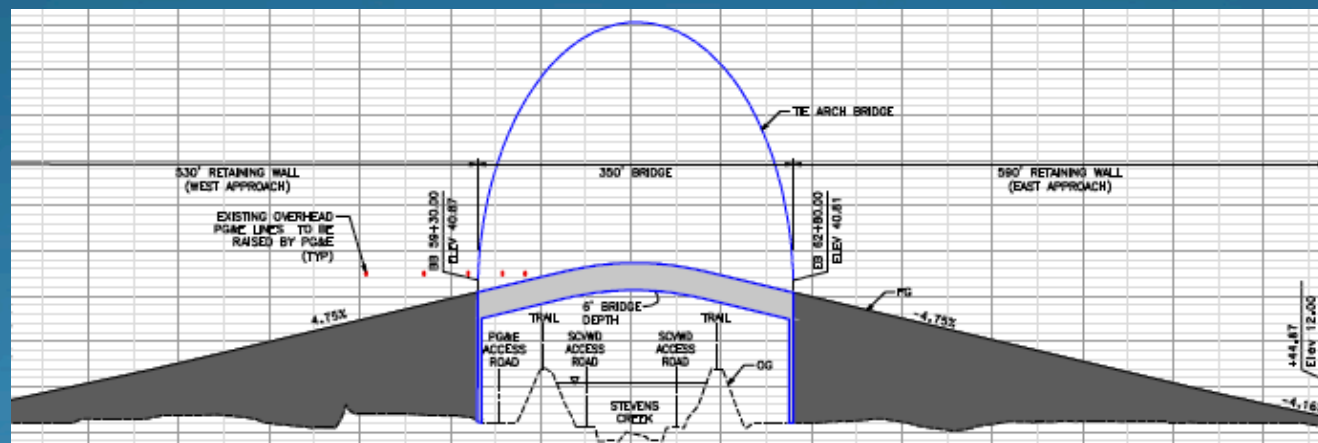
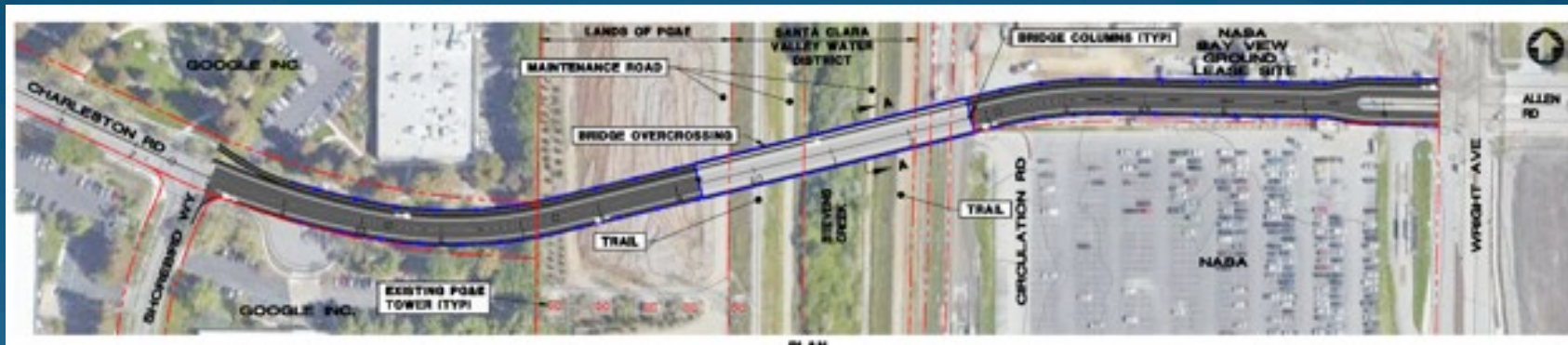
Charleston Alternatives

1



Charleston Alternatives

2

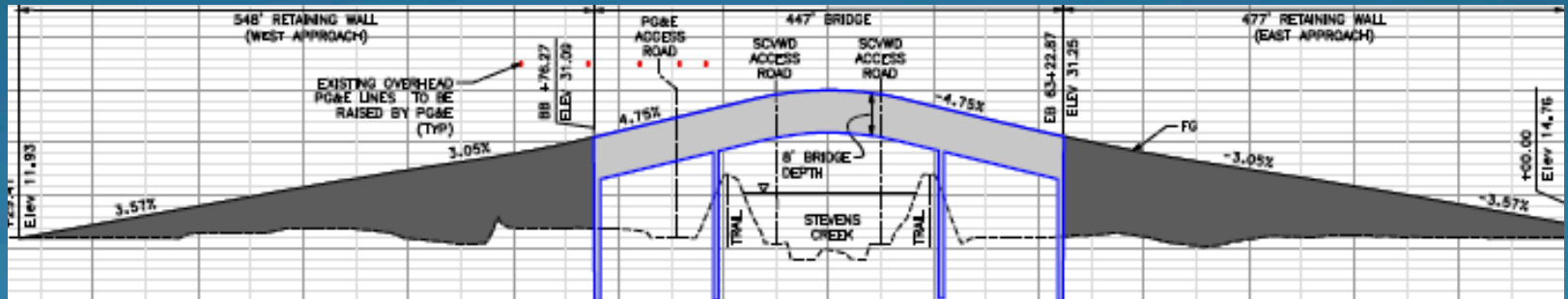
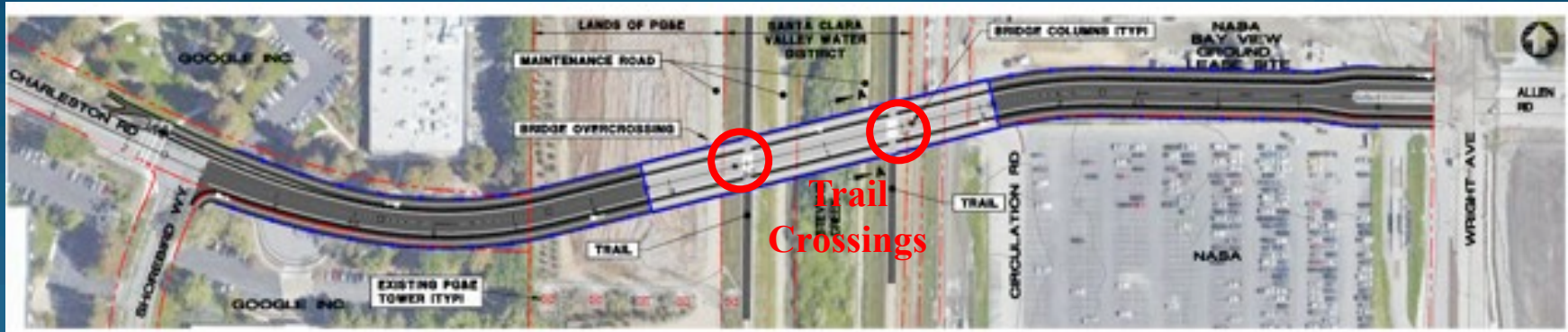


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Charleston Alternatives

3





Stevens Creek Bridge Recommendations

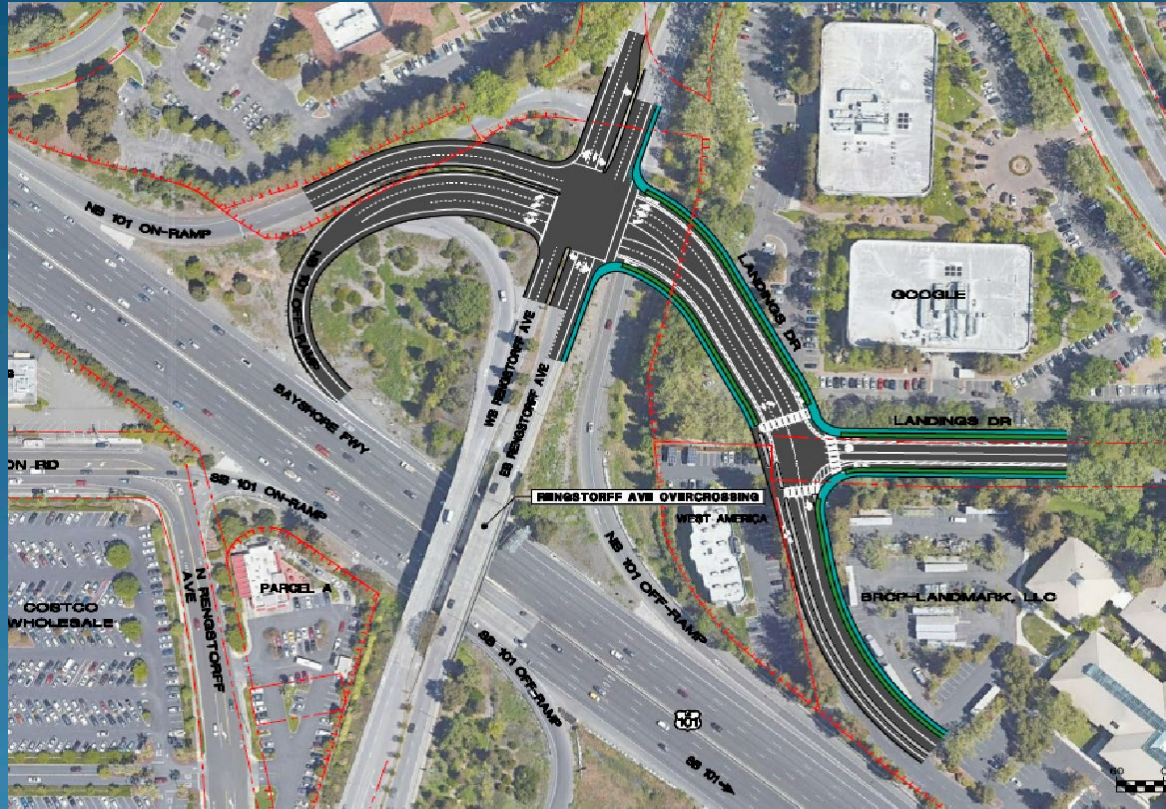
- Further development of Charleston option
 - Best connection to Charleston Transit Corridor
- Priorities for Charleston bridge
 - Alt. 1 (preferred) – separate transit and ped/bike bridges
 - Alt. 3 – low level integrated transit and ped/bike bridge
 - Alt. 2 – high level, clear span integrated bridge



Potential Priority Gateway Projects

- Charleston US 101 Undercrossing Project
 - Connection under 101 from W. Charleston to Landings
- Other Rengstorff Avenue Improvements
 - Rengstorff / US 101 Ramp Realignment with connection to Landings

Rengstorff Ramp Realignment





Rengstorff Project Recommendations

- Drop further development of Charleston Undercrossing
- Designate the Rengstorff Ramp Realignment project as a Priority Transportation Project for further development



Next Steps

- Evaluate additional scenarios:
 - Full Precise Plan development
 - Potential long-term changes in travel behavior and transportation strategies/operations due to COVID-19
- Complete gateway infrastructure evaluation
- Coordinate with VTA and Caltrans on U.S. 101/Rengstorff Avenue Ramp Realignment



Council Questions

1. Does Council support staff's recommendation to focus further development on the Charleston alignment for the proposed Stevens Creek Bridge and not pursue the La Avenida alignment?
2. Does Council support the proposed preferred alternative and staff priorities for the Charleston bridge alternatives?
3. Does Council support dropping the Charleston Undercrossing as a Precise Plan Priority Transportation Project and substituting the proposed U.S. 101/Rengstorff Avenue Ramp Realignment project?