

Mary Avenue Caltrain Grade Separation Feasibility Study

Public Meeting June 8, 2022 6:00 pm



Meeting Purpose

Mary Avenue Grade Separation at Caltrain Corridor

- Provide Update
- Obtain Input
- Provide Recommendation to City Council





Agenda

- 1. Welcome and Introductions
- 2. Project Background
- 3. Project Details
- 4. Questions and Answers
- 5. Adjourn

Panel Members



Eileen Goodwin Apex Strategies



Angela Obeso City of Sunnyvale



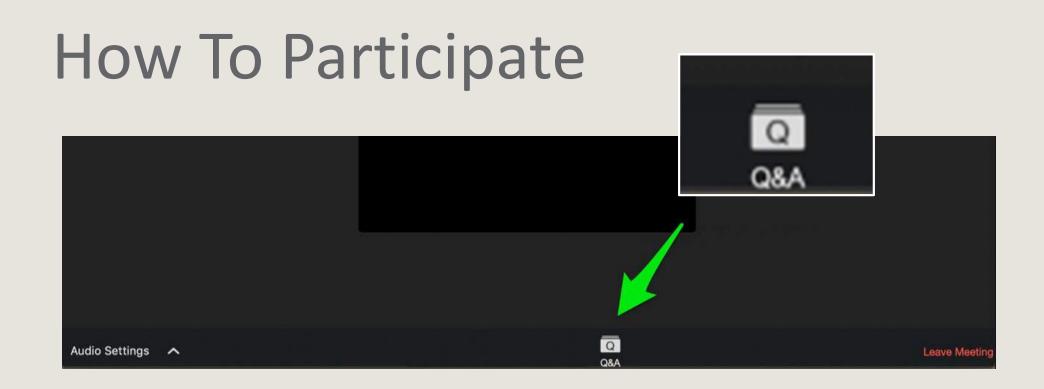
Natalina Bernardi BKF Engineers

For Question and Answers:

Dennis Ng

City of Sunnyvale





Meeting Information

City of Sunnyvale Grade Separation Projects

- Mary Avenue June 8, 2022 Meeting
- Sunnyvale Avenue June 9, 2022 Meeting

Obtain Community Input

- Community Meetings
- On-line Survey
- Project Website





Definitions

Definitions

At-grade Railroad Crossing



Definitions

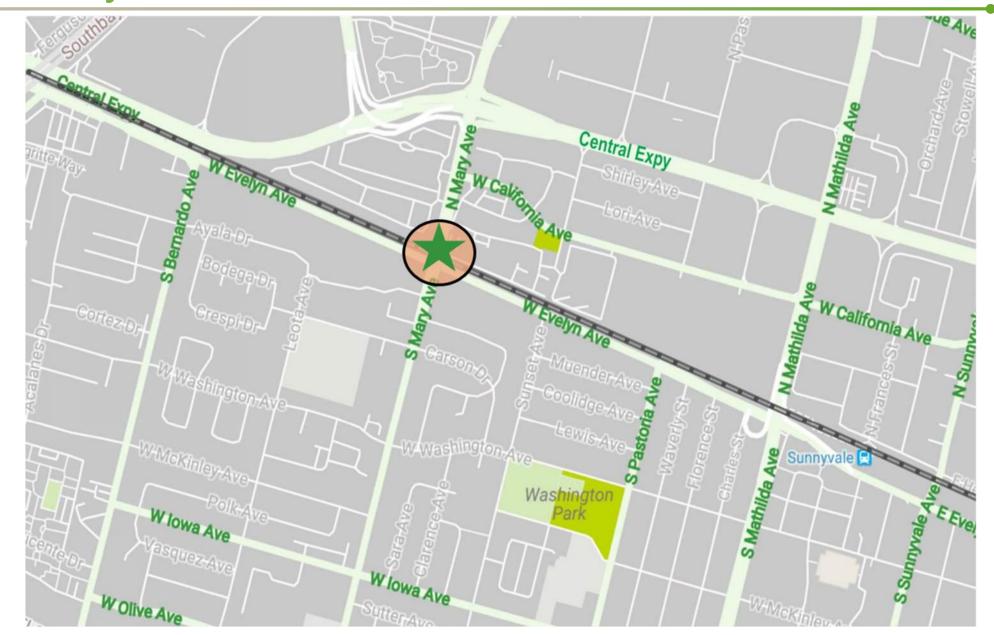
Grade Separated Crossing





Project Background

Project Location

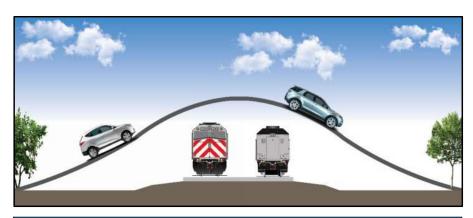


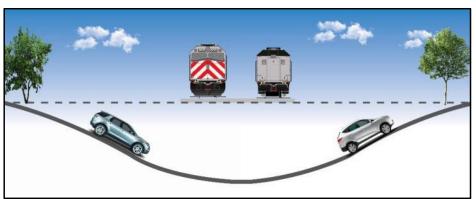
Project Background

- Mary Avenue Grade Separation at Caltrain Corridor
- Feasibility Study Initiated in 2017
- Investigated and Assessed Alternatives
- Public Outreach
- Identify Alternatives for Environmental Phase and Secure Funding
- COVID Delay
- Complete Study in 2022



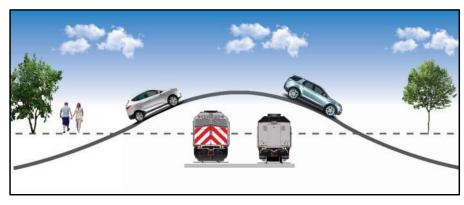
Initial Screening Alternatives

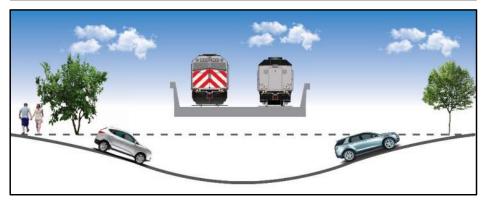






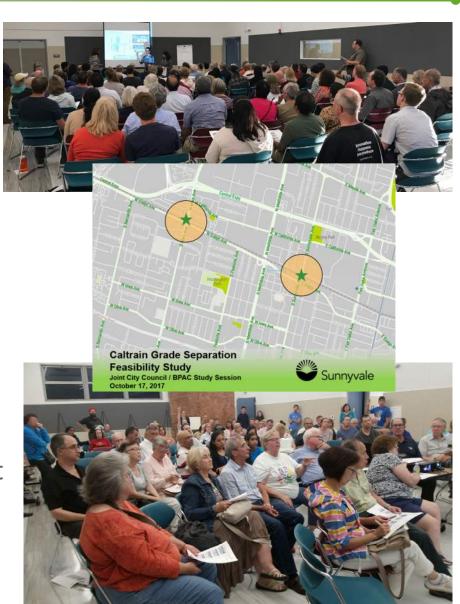






Community Outreach & Public Meetings

- Project Webpage
- Business Outreach Meetings
- 8/10/2017 Mary Avenue Community Meeting (100 participants)
- 8/17/2017 Bicycle and Pedestrian Advisory Commission Meeting
- 8/22/2017 Mary Avenue Expressions Complex Meeting
- 9/2017 Mary Avenue Online Survey (128 responses)
- 10/17/2017 City Council and BPAC Joint Meeting
- 1/23/2018 City Council Meeting



Community Outreach / Public Meetings - 2022

On-going Stakeholder Outreach Activities

City Council Study Session 4/5/22

Mary Avenue Community Meeting 6/8/22

Sunnyvale Avenue Community Meeting 6/9/22

Online Survey 6/13-7/11/22

Bicycle and Pedestrian Advisory Commission Meeting 7/21/22

8/30/22 City Council Public Hearing
Summary of Input and Selection of Alternatives

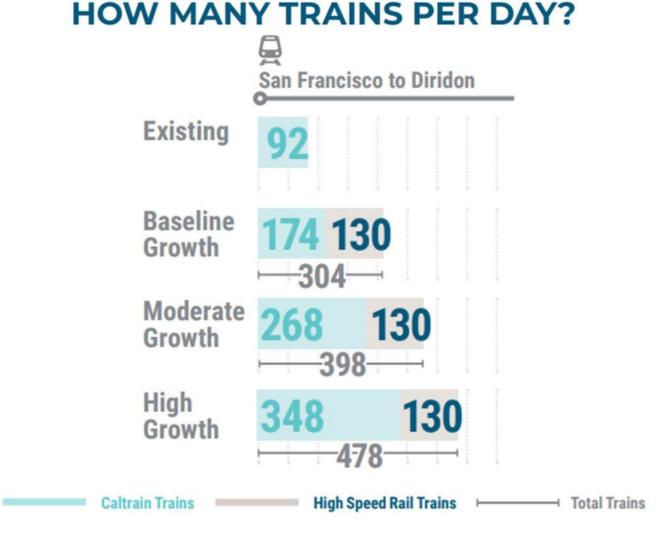


Project Purpose

Project Purpose



Why is Grade Separation Needed?



Source: Caltrain Business Plan, City of Sunnyvale Booklet, May 2019

Why is Grade Separation Needed?

CROSSING THE TRACKS

Gate down times shown are indicative projections extrapolated from existing crossing performance. They are examples of "worst case" gate downtimes that could occur if no grade separations or grade crossing improvements were made. The financial component of the Caltrain Business Plan is planning for substantial investments in grade separation and crossing improvements across all scenarios.



Source: Caltrain Business Plan, City of Sunnyvale Booklet, May 2019



Project Today

Project Today

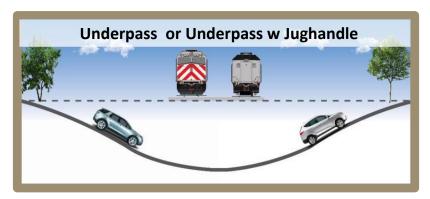
- Move Forward with City Council Direction
- Refinement of Alternatives
- Confirm Impacts
- Considerations
 - Caltrain Modernization and Electrification Project
 - Caltrain Business Plan
 - California High Speed Rail
 - Changing Traffic Conditions
 - Sustainable Traffic Modes
 - Capture Funding Opportunities





Current Alternatives

Mary Avenue Alternatives

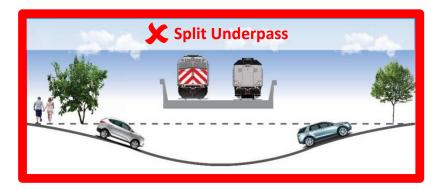




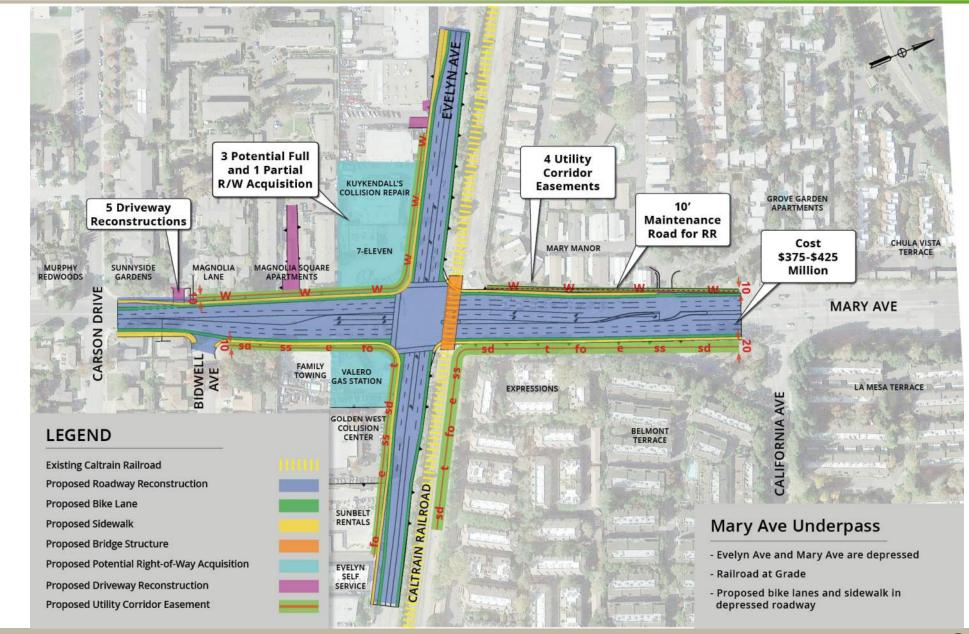








Mary Avenue Underpass

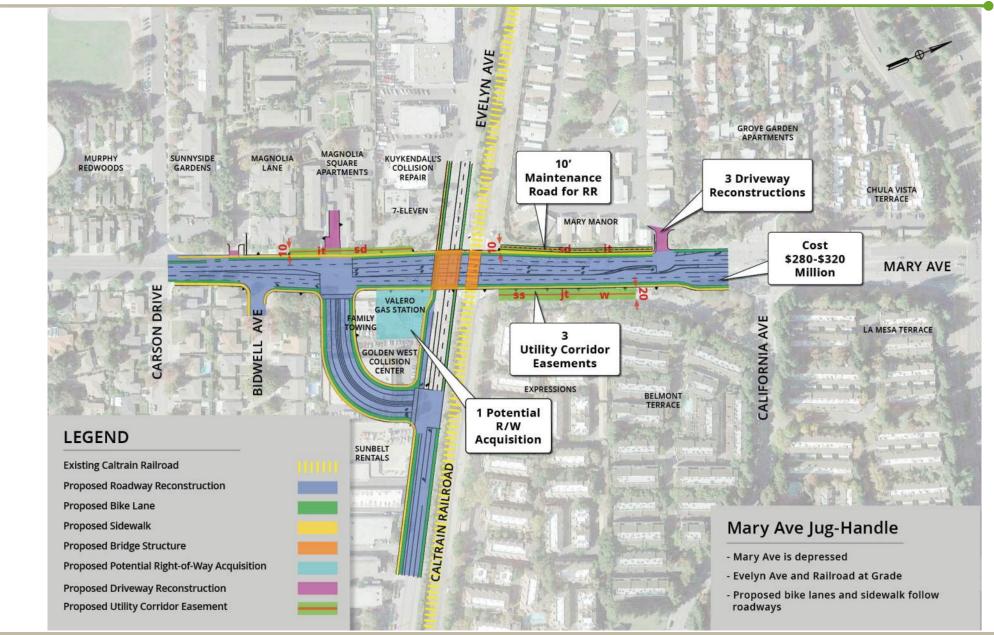


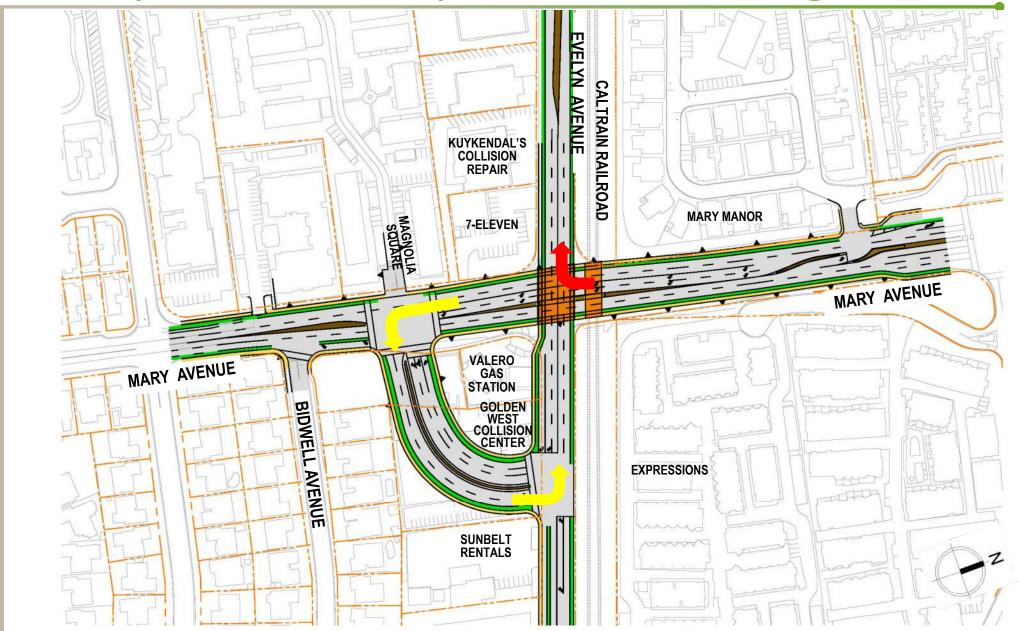
Roadway Underpass

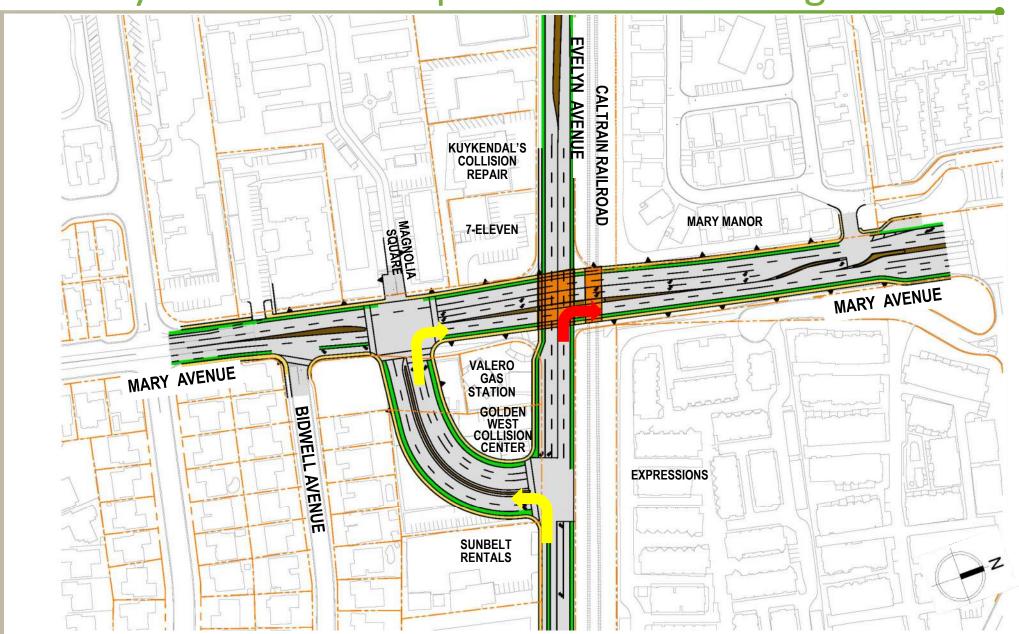


Marina Bay Parkway, Richmond (BKF)

Jefferson Avenue, Redwood City (Google Maps)





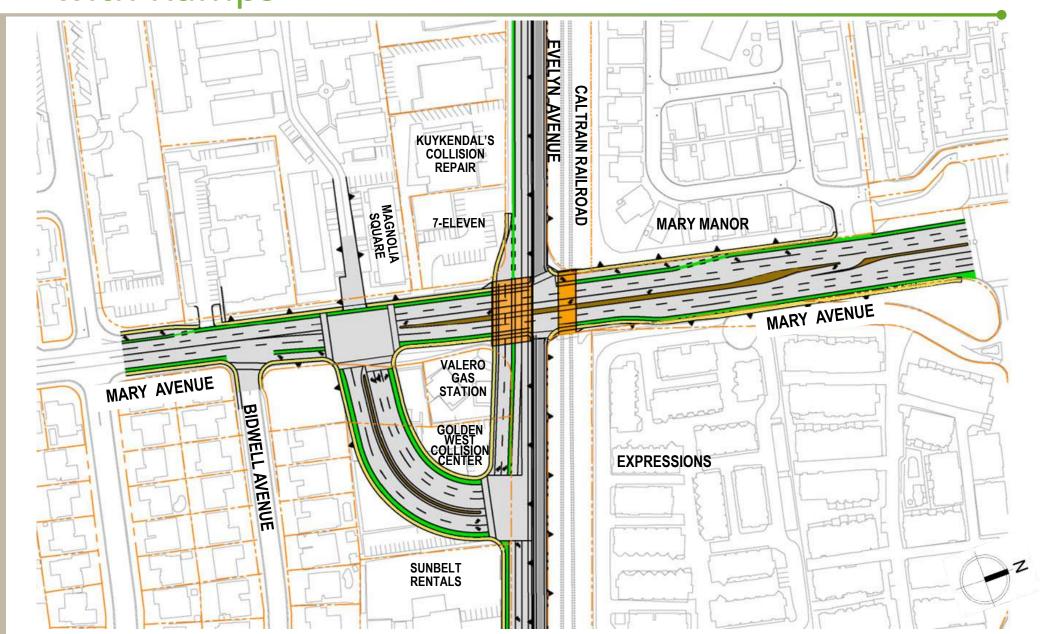




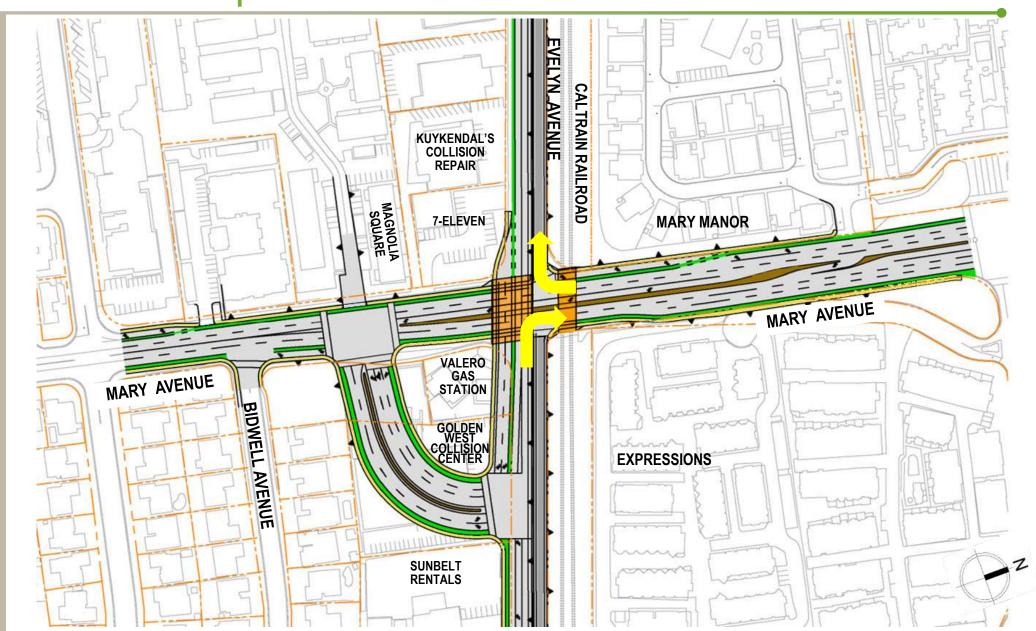


Simulation

Mary Avenue Underpass Tunnel with Jughandle with Ramps



Mary Avenue Underpass Tunnel with Jughandle with Ramps



Alternative Comparison





	Underpass Mary Ave and Evelyn Ave Depressed	Underpass Tunnel with Jughandle Mary Ave Depressed
Safety	Rail conflict removed	Rail conflict removed
Noise	Reduced noise impacts	Reduced noise impacts
Circulation - Vehicular	Same circulation pattern	Altered circulation patterns
Circulation – Non-motorized	Improved & safer facilities	Improved & safer with altered circulation
Potential ROW	3+ full and 1+ partial parcel	1+ full parcel
Construction Impacts	5+ driveways 4 utility corridors RR maintenance road Roadway reconstruction Stage Construction	3+ driveways 3 utility corridors RR maintenance road Roadway reconstruction Stage Construction
Cost	\$375M - \$425M	\$280M - \$320M



Funding

Funding Opportunities

- VTA 2016 Measure B Grade Separation Program
- California Section 190 Grade
 Separation Prioritization Program
- One Bay Area Grant (OBAG)
- Federal Funding Opportunities





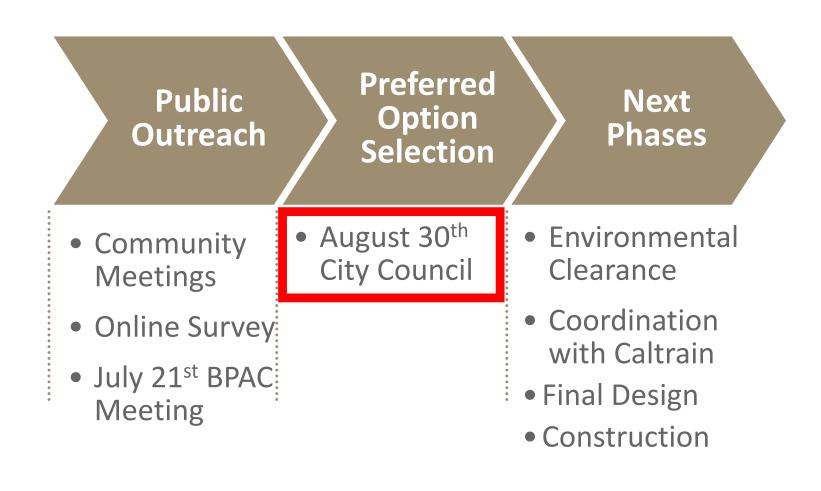






Next Steps

Next Steps



Overall Schedule and Process

Feasibility Study

Environmental
Analysis &
Concept Design

Detailed Design & Property Acquisition

Bid & Construction

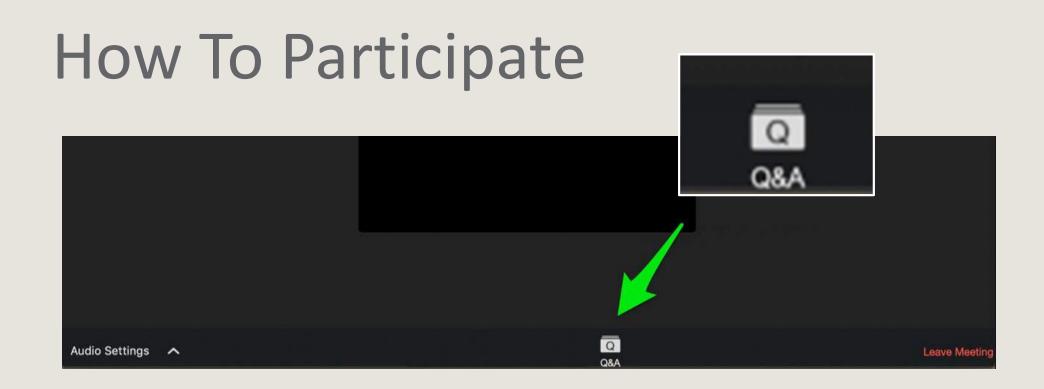
Fall 2022

1 1/2 years

2 years

2-5 years







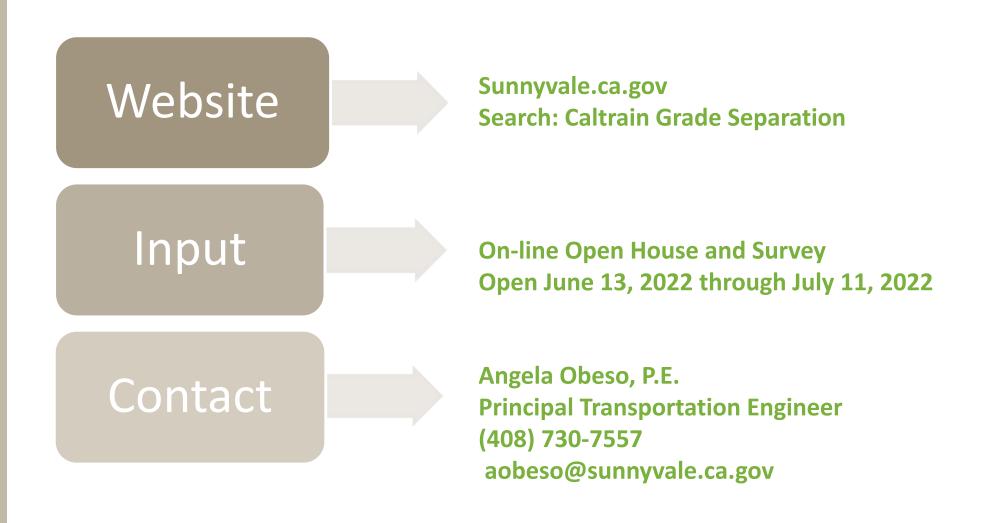
Questions

Website:

Sunnyvale.ca.gov

Search: Caltrain Grade Separation

Information





Thank you