



Sunnyvale

# Caltrain Grade Separation Feasibility Study

Study Session  
April 5, 2022



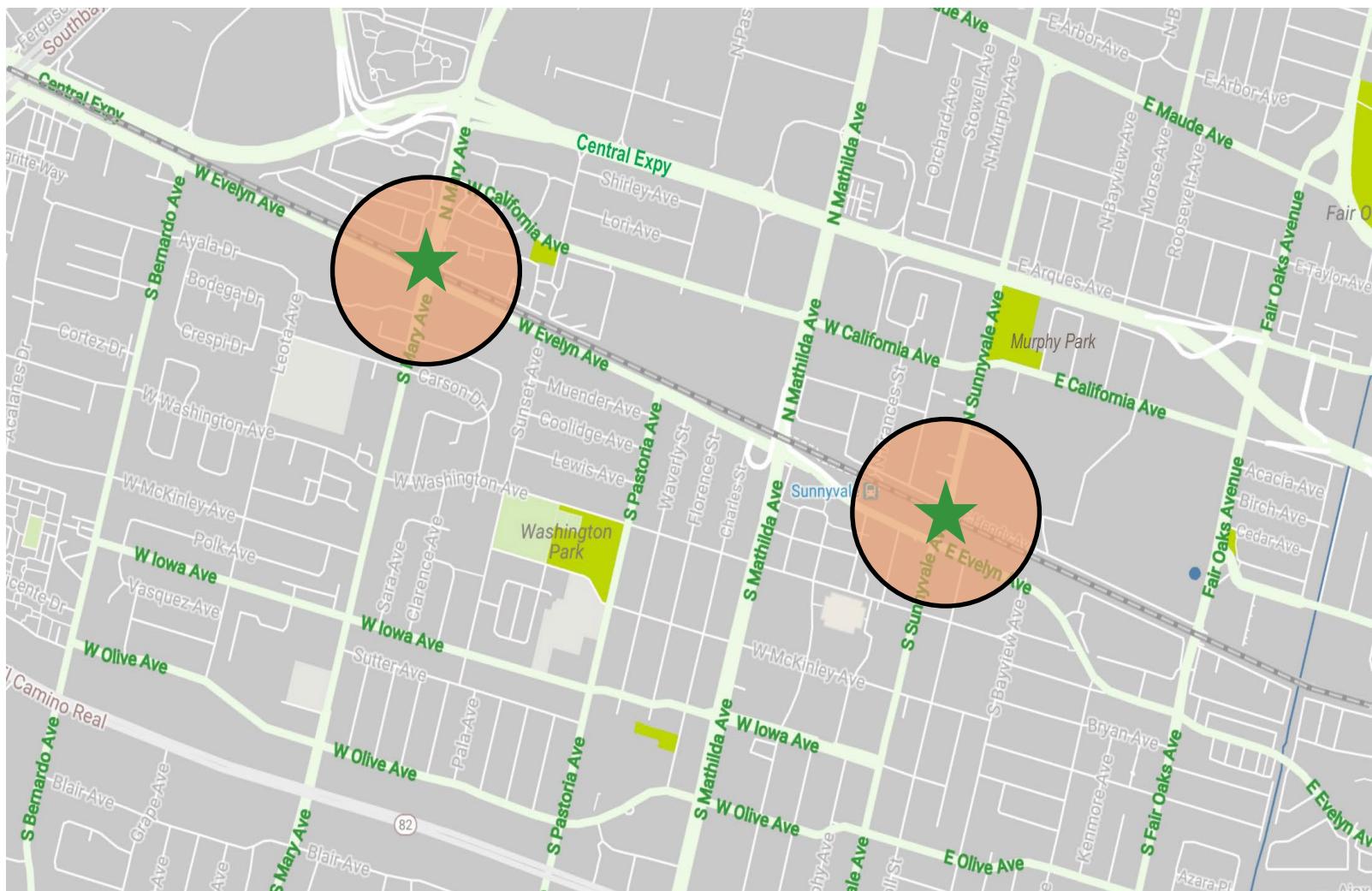


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# Project Background

# Project Area



# Project Purpose

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- Safety
- Gate down times
- Caltrain Electrification
- Caltrain Business Plan
- Future California High Speed Rail
- Supports City Policies
  - ◆ Vision Zero
  - ◆ Active Transportation Plan
  - ◆ Climate Action Plan



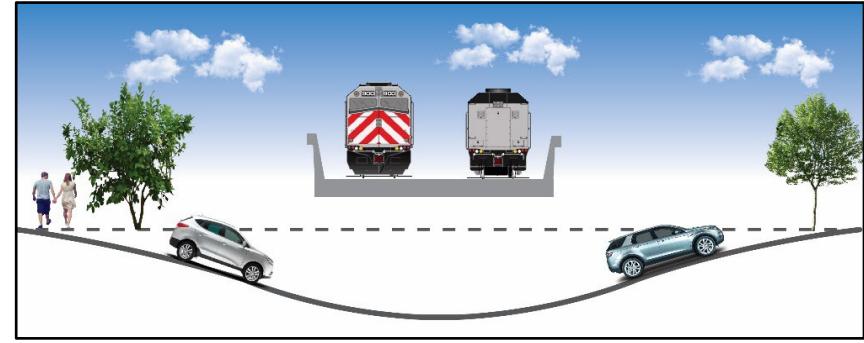
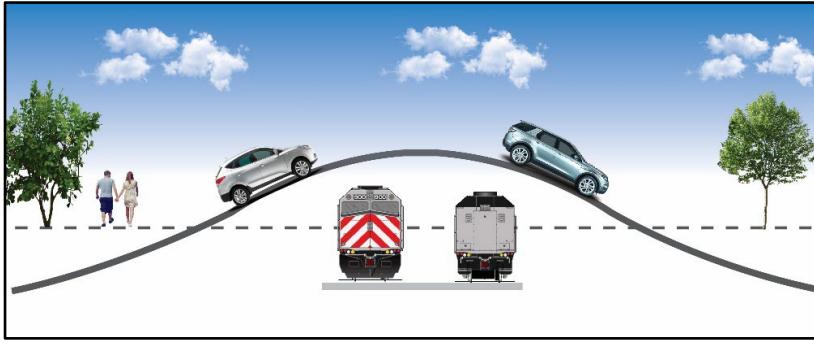
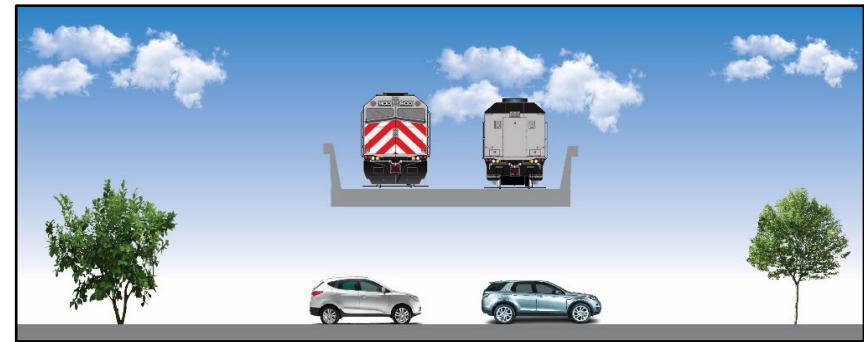
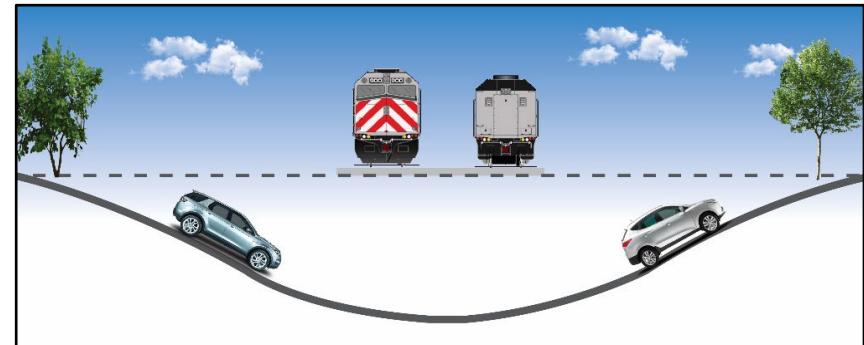
# Project History

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- Feasibility study began in 2017
- Public outreach
- Interest in full rail tunnel option
- City Council and BPAC joint meeting in October 2017
- City Council in January 2018
  - ◆ Full rail option discussion
  - ◆ Direction to study four options (two at each location)



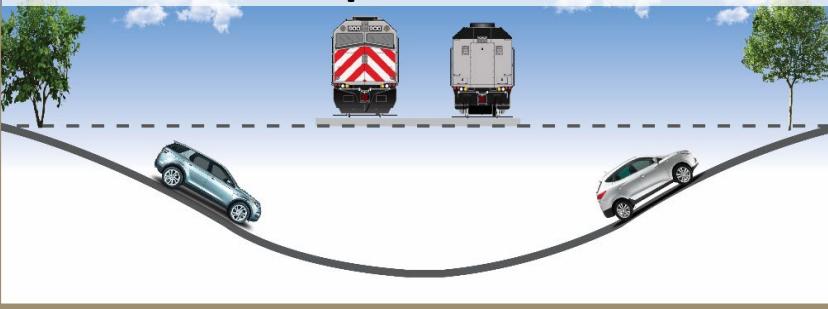
# Initial Screening Alternatives



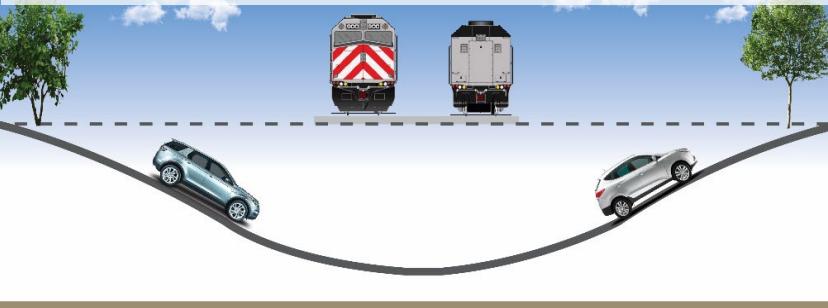
# Project Options Studied

## Mary Avenue

### Underpass Tunnel

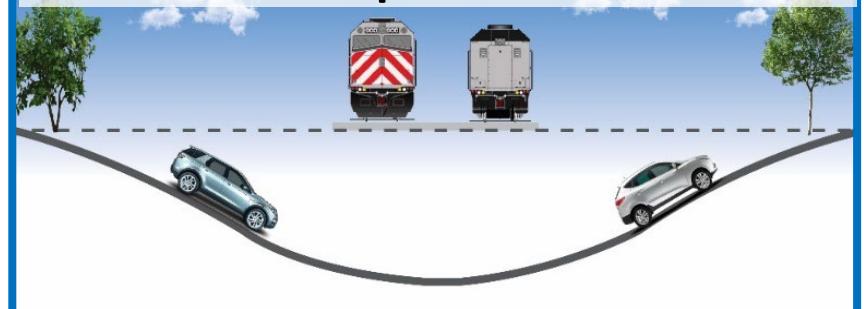


### Underpass Tunnel with Jughandle



## Sunnyvale Avenue

### Underpass Tunnel



### Bicycle/Pedestrian Undercrossing



# Mary Avenue Underpass Tunnel with Jughandle



# Project Today

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- Refinement of options and impacts
- Caltrain Modernization and Electrification Project
- Caltrain Business Plan
- California High Speed Rail
- Changing traffic conditions
- Other projects





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# Current Options

# Current Project Options

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- Mary Avenue
  - ◆ Underpass Tunnel
  - ◆ Underpass Tunnel with Jughandle
- Sunnyvale Avenue
  - ◆ Underpass Tunnel
  - ◆ Bicycle/Pedestrian Undercrossing (Sunnyvale Avenue Vehicular Road Closure)

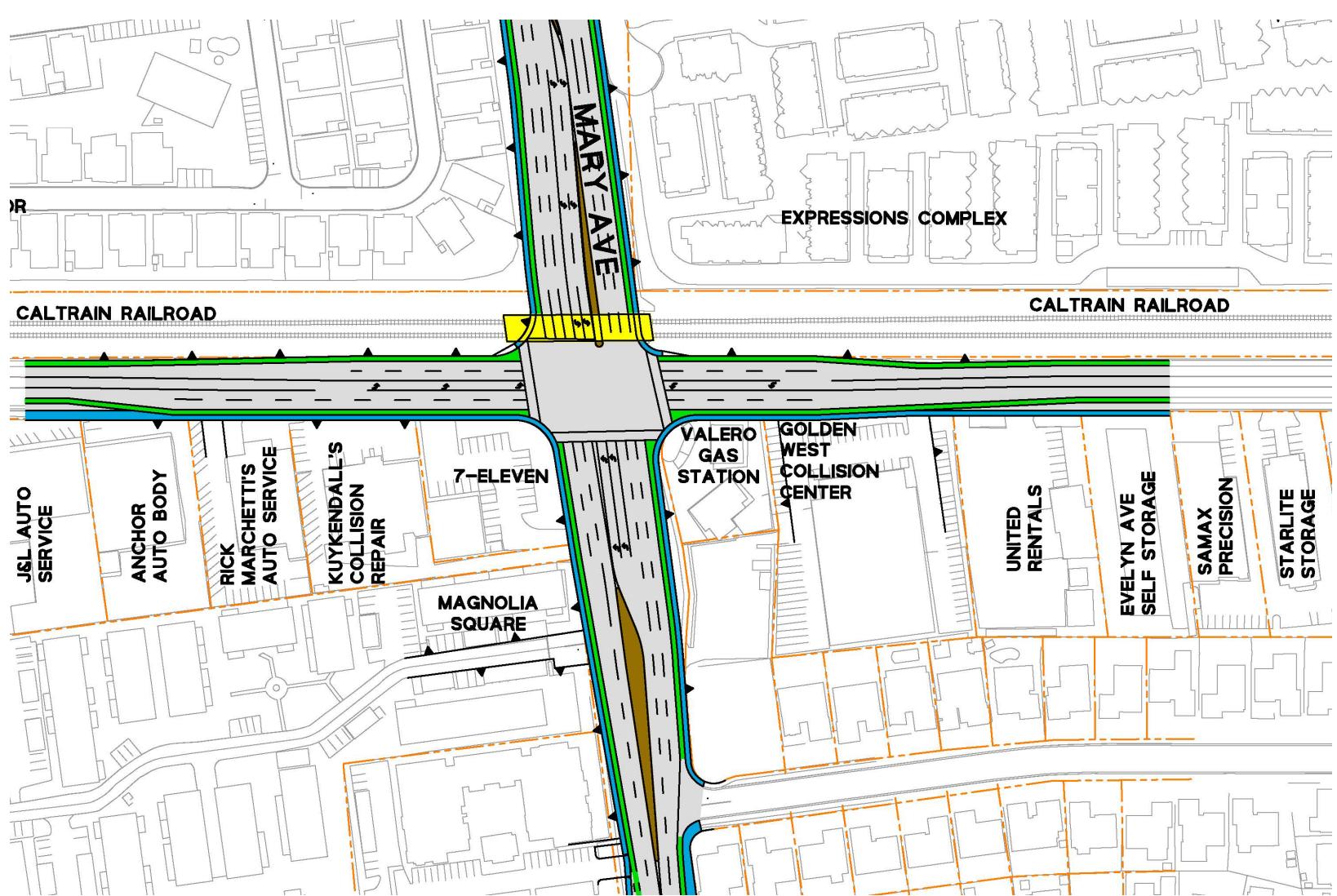


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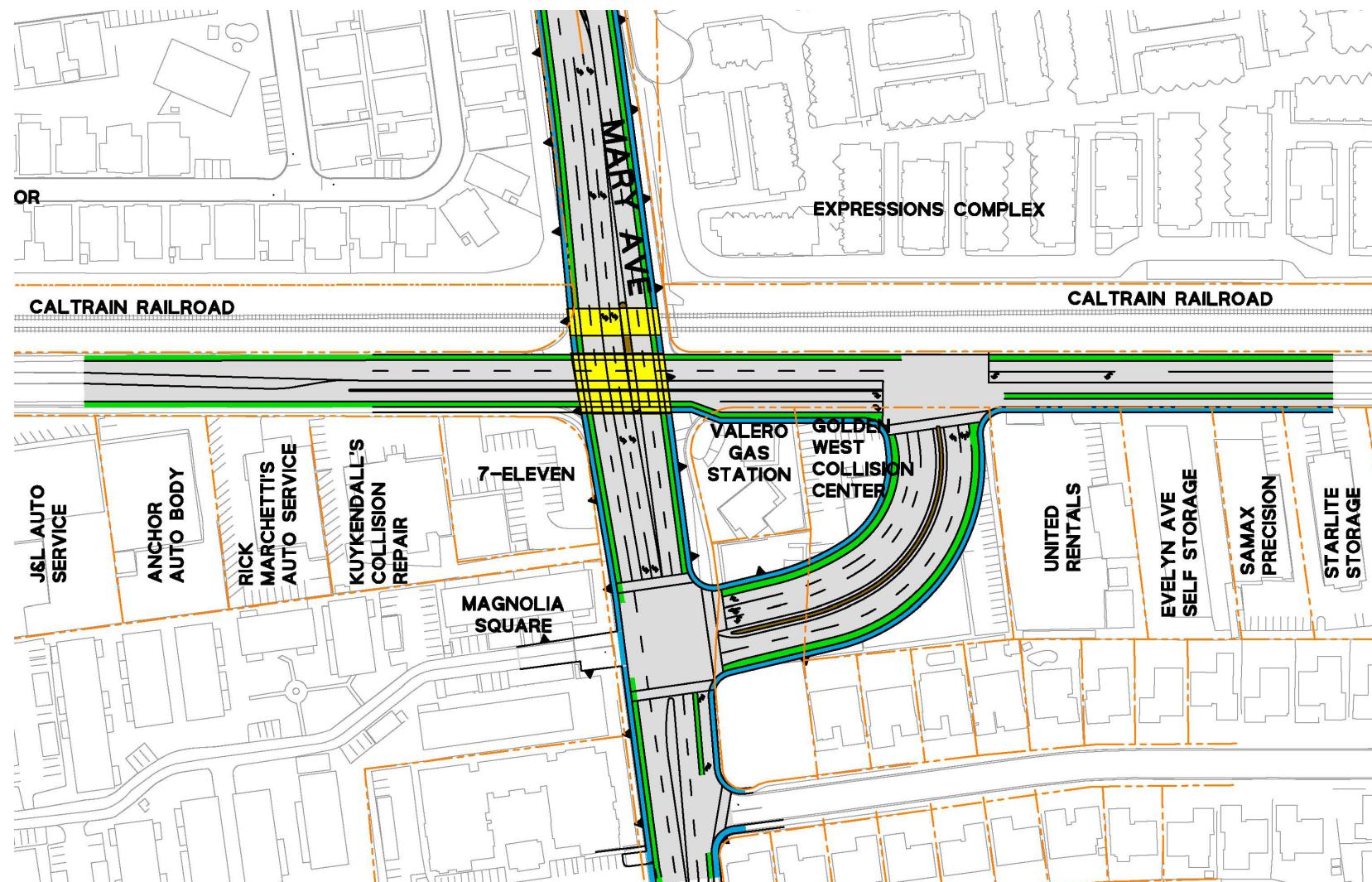
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Mary Avenue

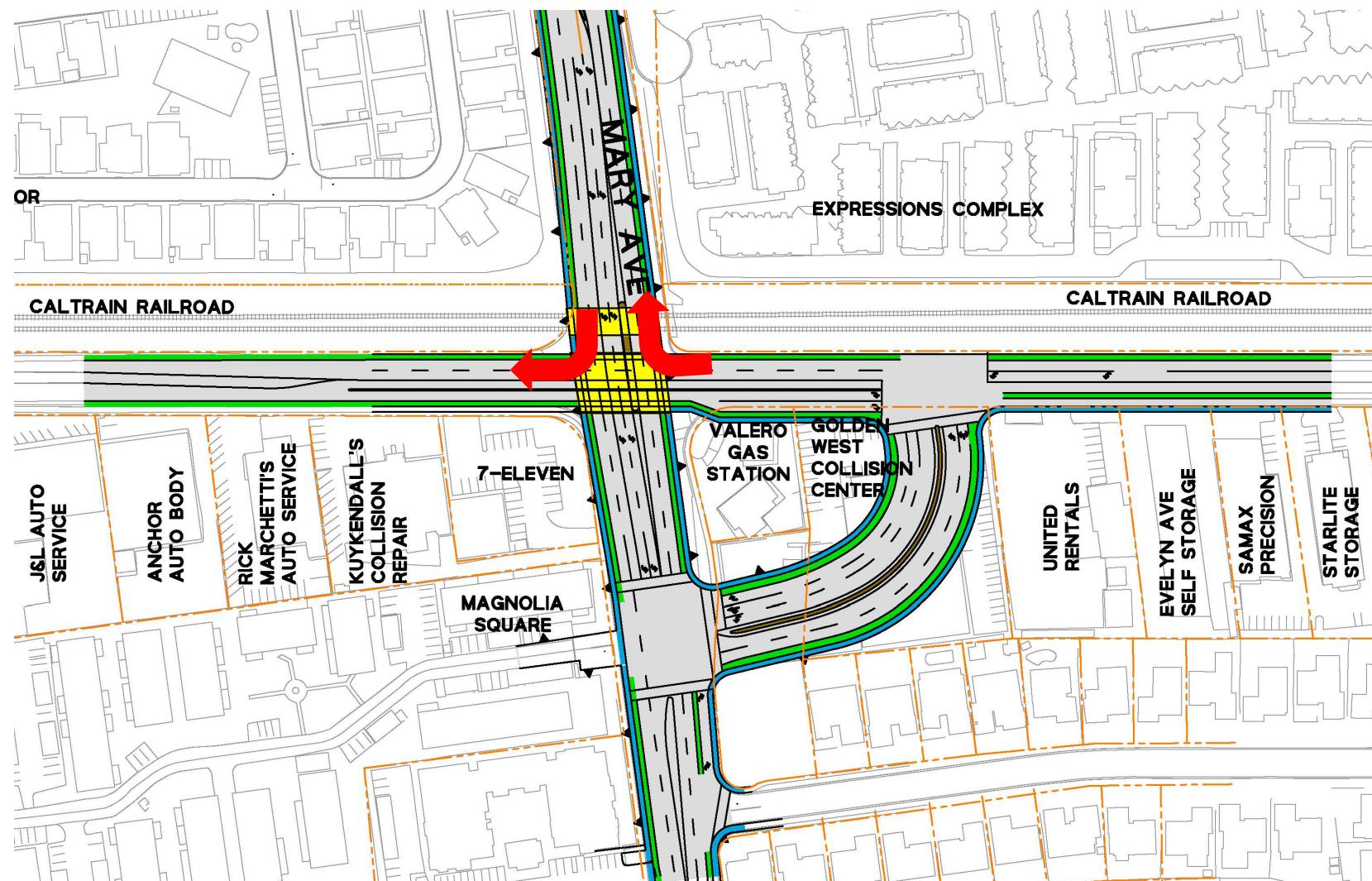
# Mary Avenue Underpass Tunnel



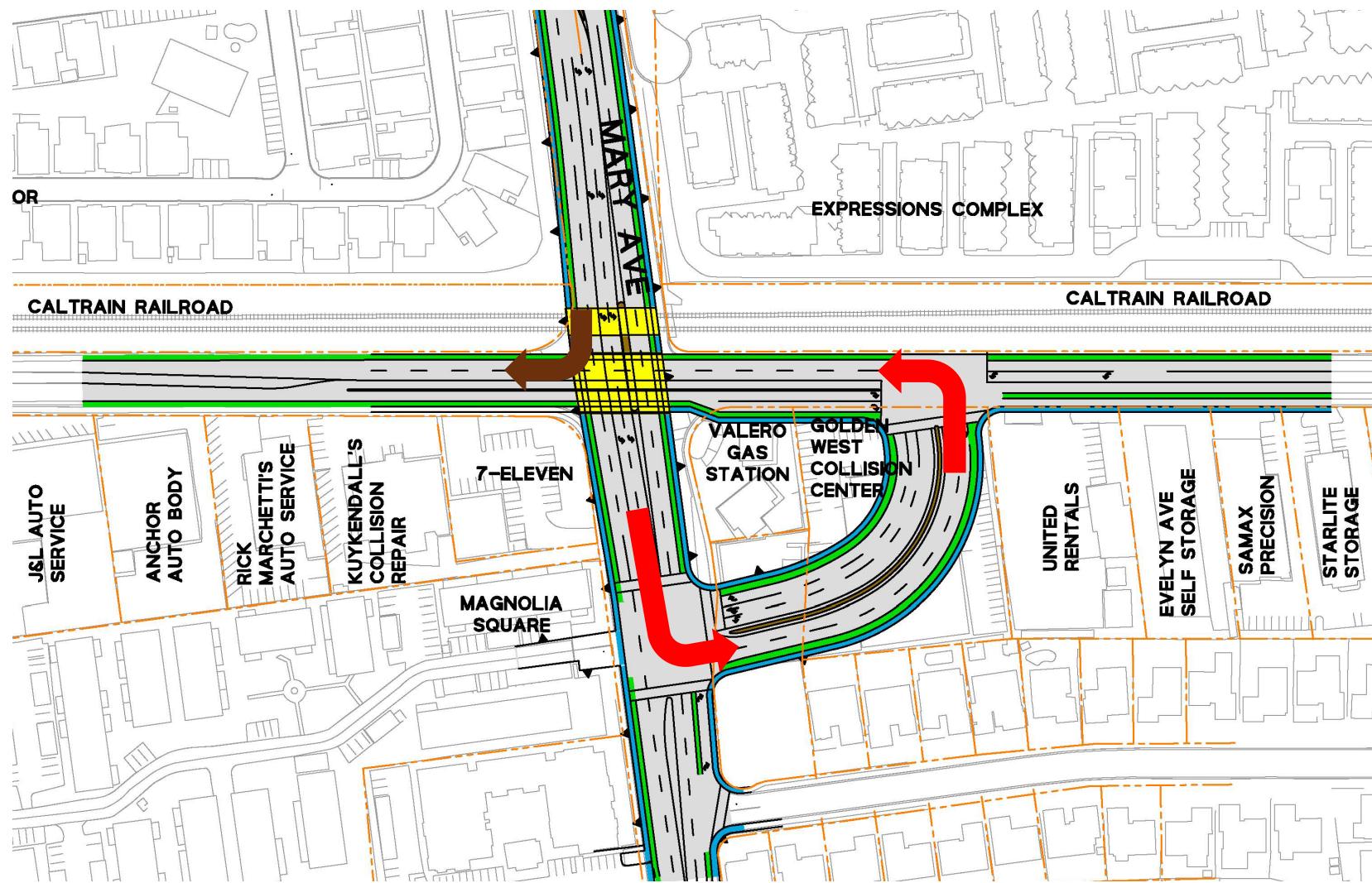
# Mary Avenue Underpass Tunnel with Jughandle



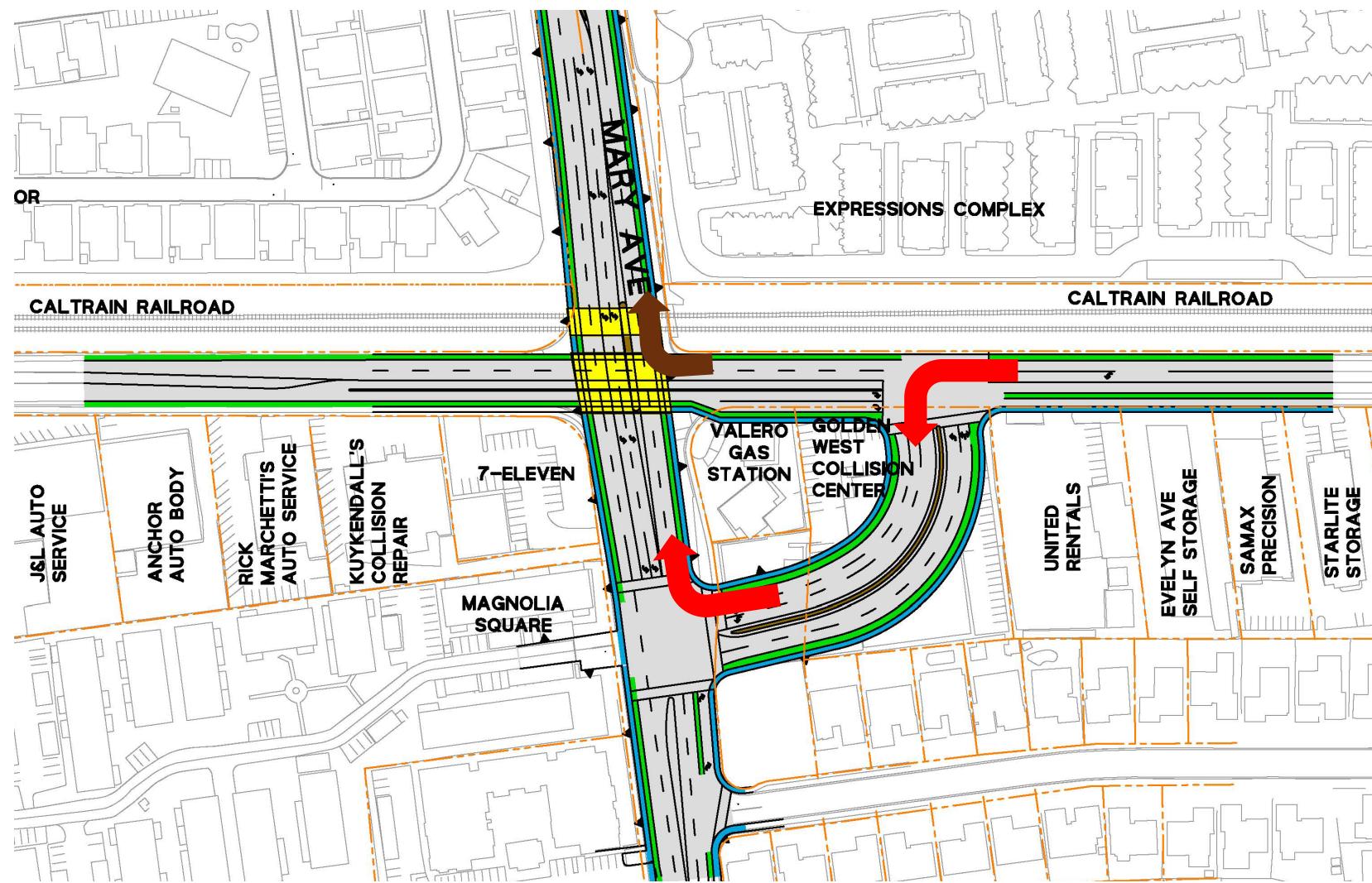
# Mary Avenue Underpass Tunnel with Jughandle



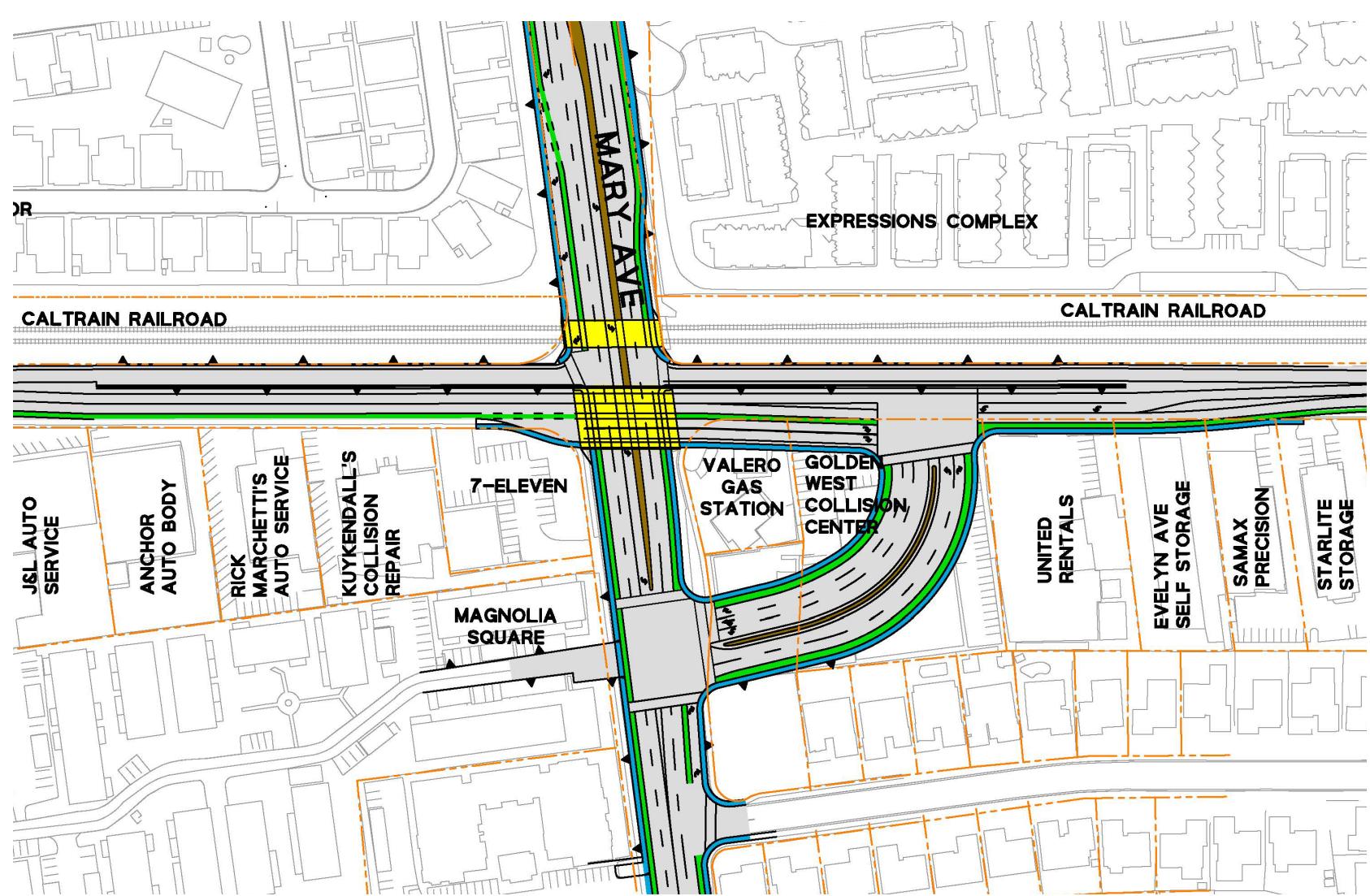
# Mary Avenue Underpass Tunnel with Jughandle



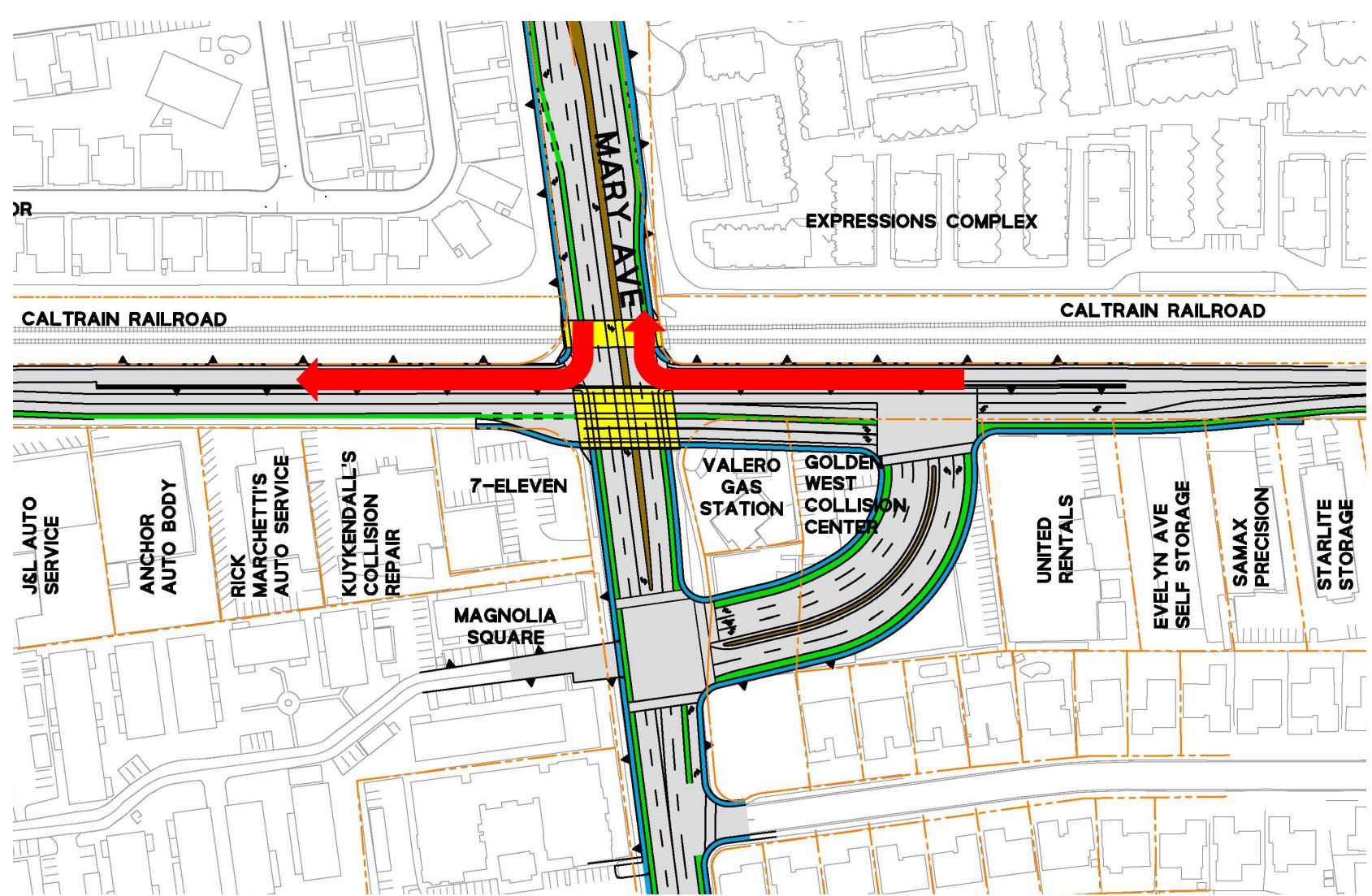
# Mary Avenue Underpass Tunnel with Jughandle



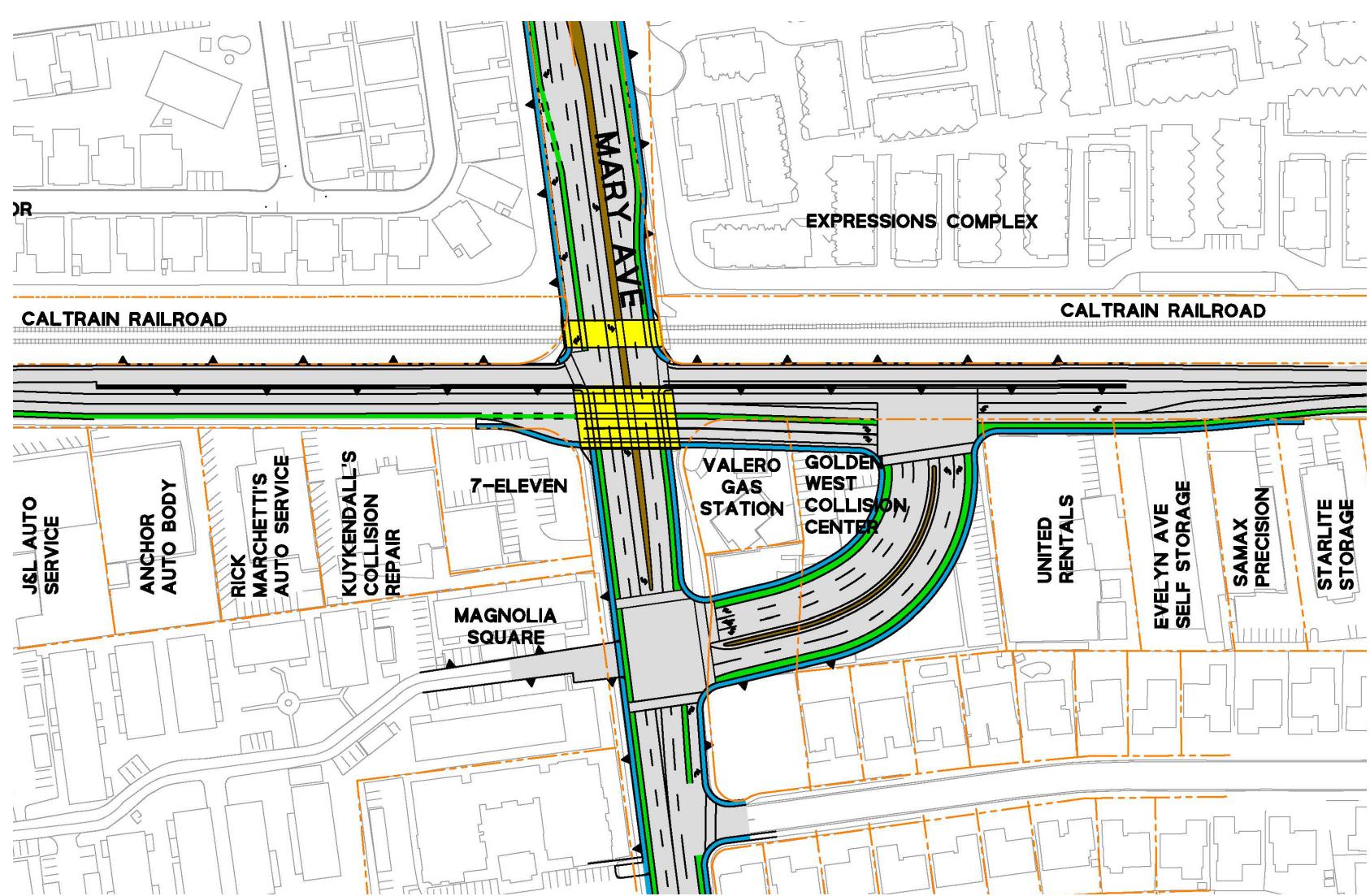
# Mary Avenue Underpass Tunnel with Jughandle with Enhancements



# Mary Avenue Underpass Tunnel with Jughandle with Enhancements



# Mary Avenue Underpass Tunnel with Jughandle with Enhancements



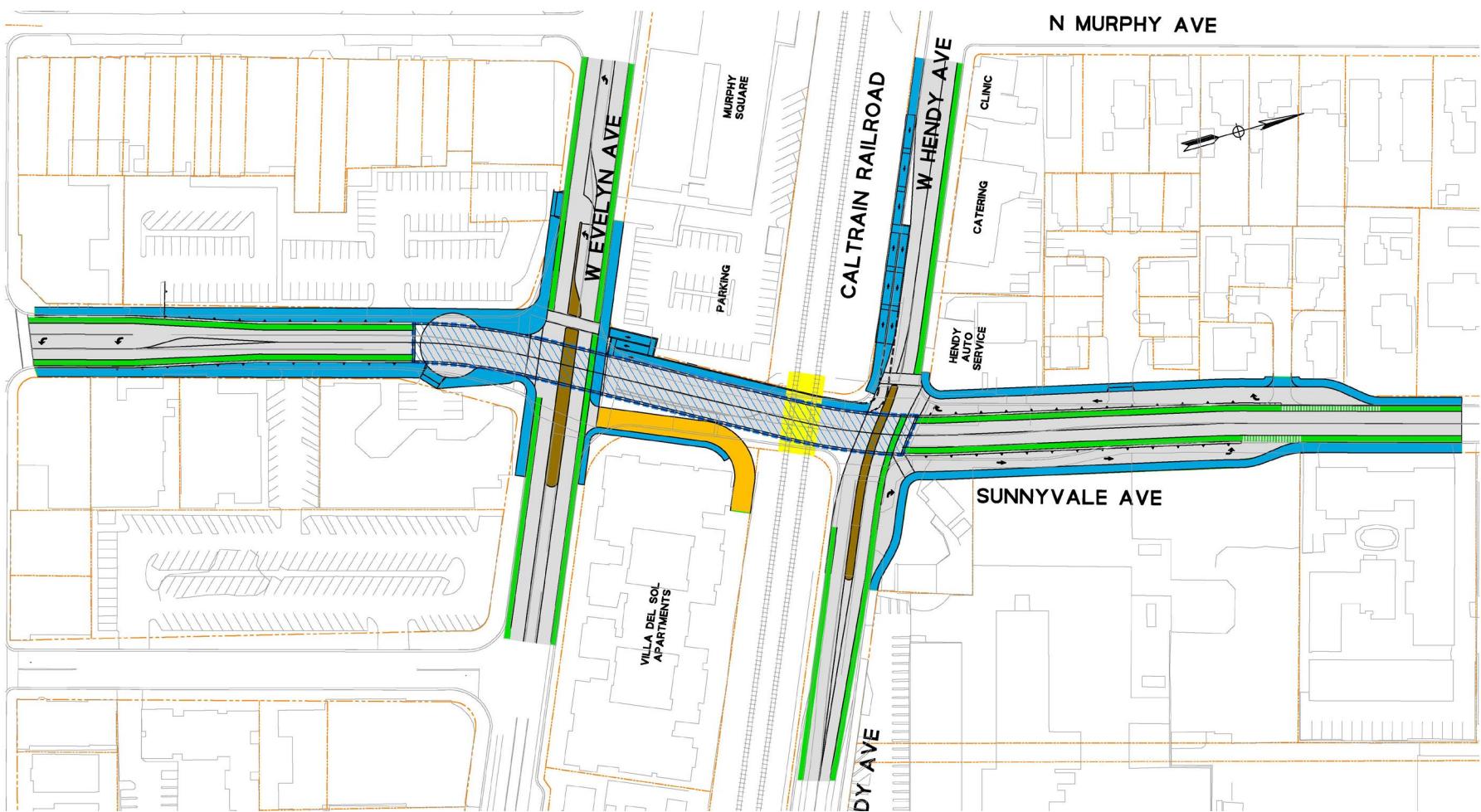


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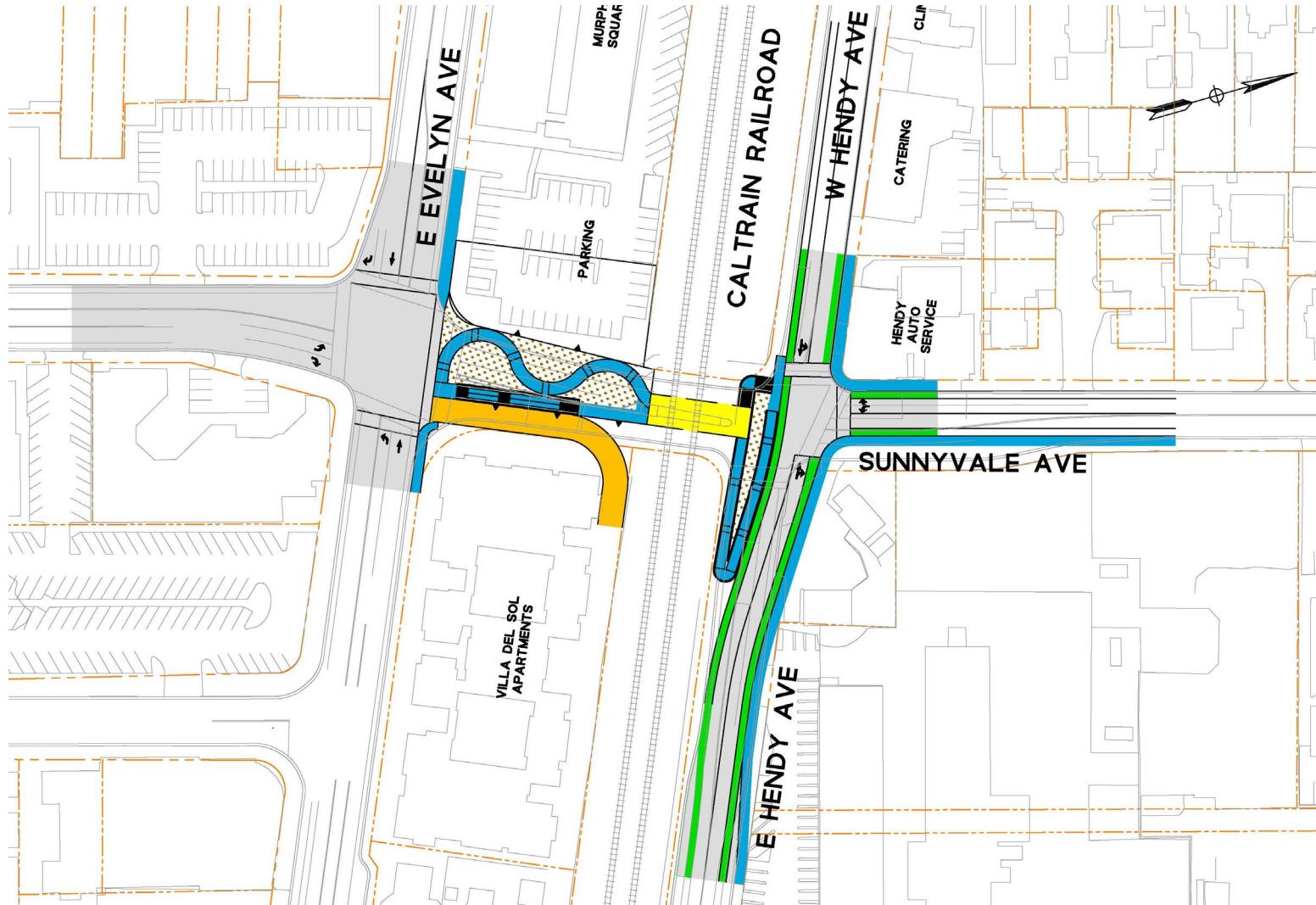
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# Sunnyvale Avenue

# Sunnyvale Avenue Underpass Tunnel



# Sunnyvale Avenue Bicycle and Pedestrian Only Undercrossing





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# Next Steps

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# Public Hearing Presentation

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- Traffic Data
  - ◆ Travel times
  - ◆ Levels of Service
  - ◆ Traffic rerouting
- Right of way needs
- Bicycle and pedestrian access
- Estimated construction costs
- Summary of community feedback





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Thank you