

# HSR Redwood, CA, City to Lathrop



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**TRANSPORT SOLUTIONS**

Designing Corridors for High-Speed Rails

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The  
High-Speed  
Rail Corridor  
between  
Redwood  
City, CA, and  
Lathrop

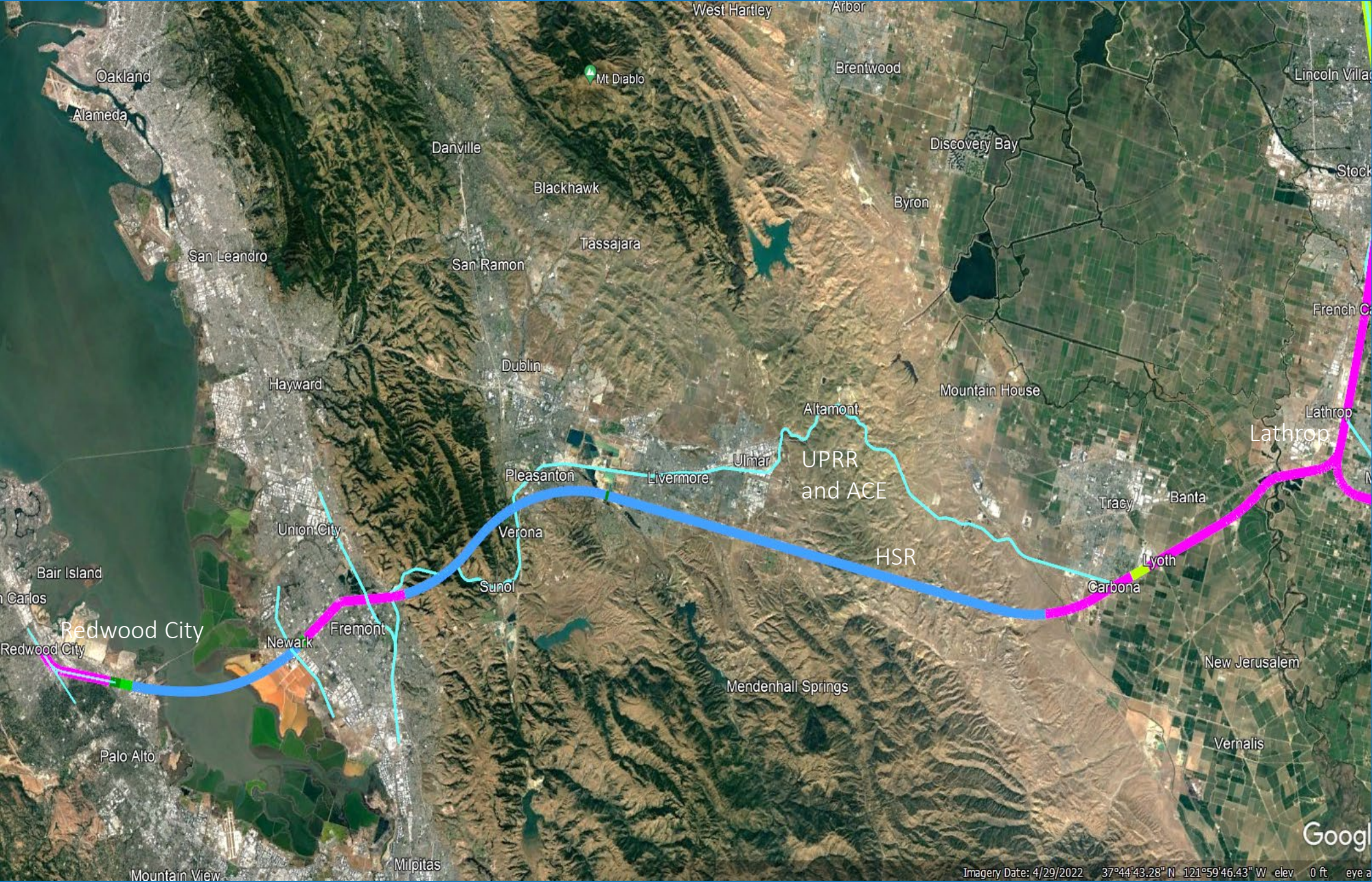
# Electrified Altamont Pass HSR Corridor Presentation On Google Map

- This overviews the proposed new Altamont Pass High-Speed Rail corridor between Redwood City and Lathrop.
- The station locations are Redwood City, Fremont, BART TC Station, Proposed ACE Station, Pleasanton/Livermore, Carbona, and Lathrop. The Lathrop to Sacramento corridor is on another presentation.
- The Pleasanton/Livermore station is on in-fill from tunnel excavation materials; many areas can be infilled between Pleasanton and Livermore. The infilled regions can then be used to develop houses and industry. This valuable land will help to pay for the new Altamont Pass HSR construction.
- This Altamont Pass corridor is most on superstructures; there is not enough room along existing freight rail corridors for HSR tracks on the ground. This plan will create seamless transits, incorporating ACE, BART, Caltrain, Muni, Light-Rail, and Ferries. Structure timetables for seamless transit connections from one mode to the other. Look up the Swiss models, and everything works together.
- You can see the ample radius curves for the HSR and the many tight radius curves on the existing freight and ACE corridor.
- The Cascadia High Speed Rail Company (CHSR) has the plan details for all the corridors and the section profile drawings, including the KMZ.

# The Altamont Pass Miles from Redwood City, CA, to Lathrop, CA

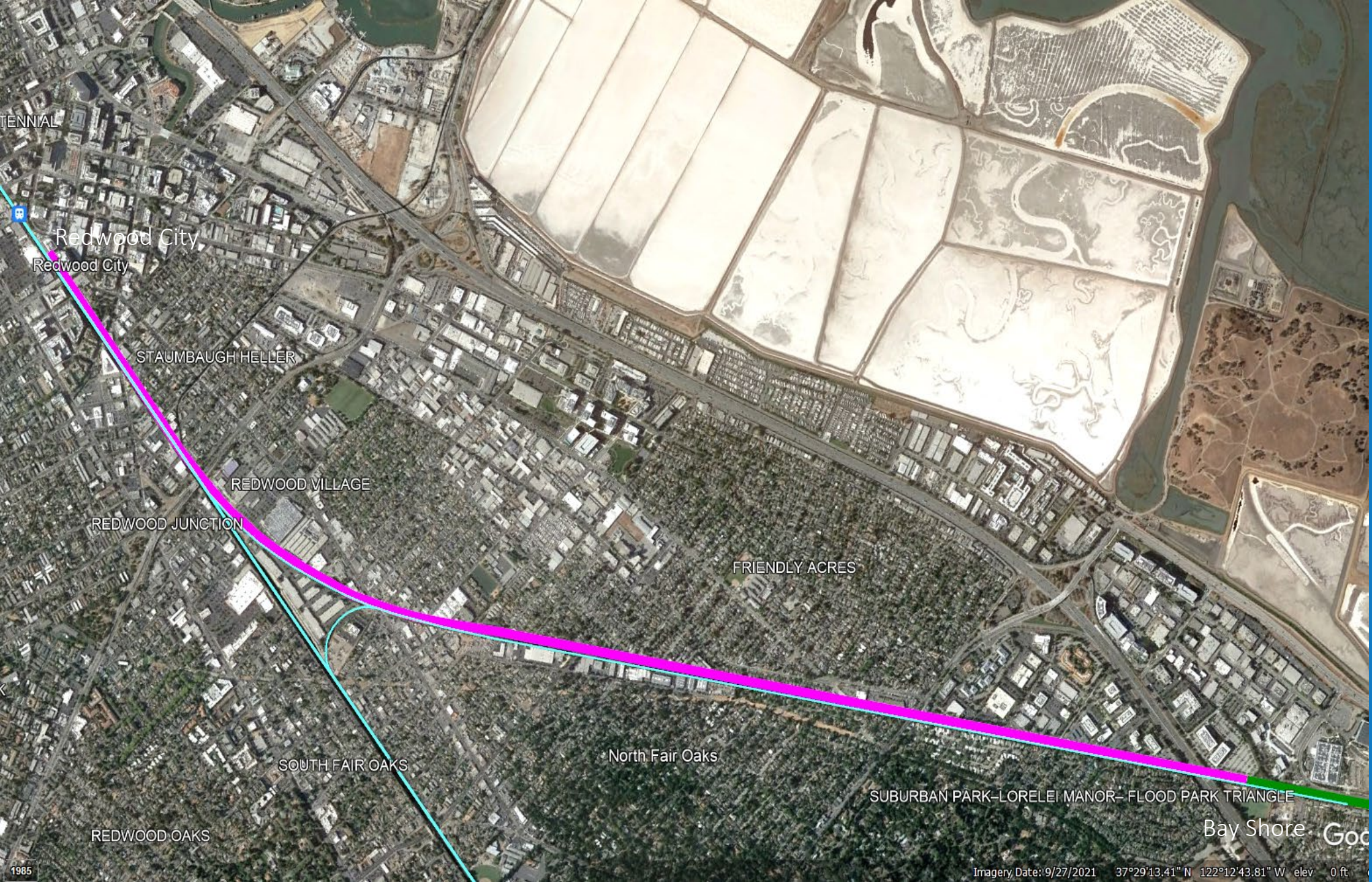
- From Redwood City to Lathrop, in the tunnel 37.40 miles.
- From Redwood City to Lathrop, on flyovers 22.64 miles.
- Miles From Redwood City to Lathrop, on ground 2.45 miles.
- Total HSR miles between Redwood City and Lathrop, 62.49 miles, travel time 40 minutes with 6 stops.
- Altamont Pass HSR corridor between Fremont and Lathrop has 40.18 miles.
- Altamont Pass ACE corridor between Fremont and Lathrop has  $\pm 58$  miles.





HSR Corridor  
Overview  
between  
Redwood City  
and Lathrop,  
Altamont  
Pass





# Altamont Pass HSR

The Altamont Pass corridor between Redwood City and Bay Shore Fwy

TENNIAL

Redwood City  
Redwood City

STAUMBAUGH HELLER

REDWOOD VILLAGE

REDWOOD JUNCTION

FRIENDLY ACRES

SOUTH FAIR OAKS

North Fair Oaks

SUBURBAN PARK-LORELEI MANOR- FLOOD PARK TRIANGLE

REDWOOD OAKS

Bay Shore God

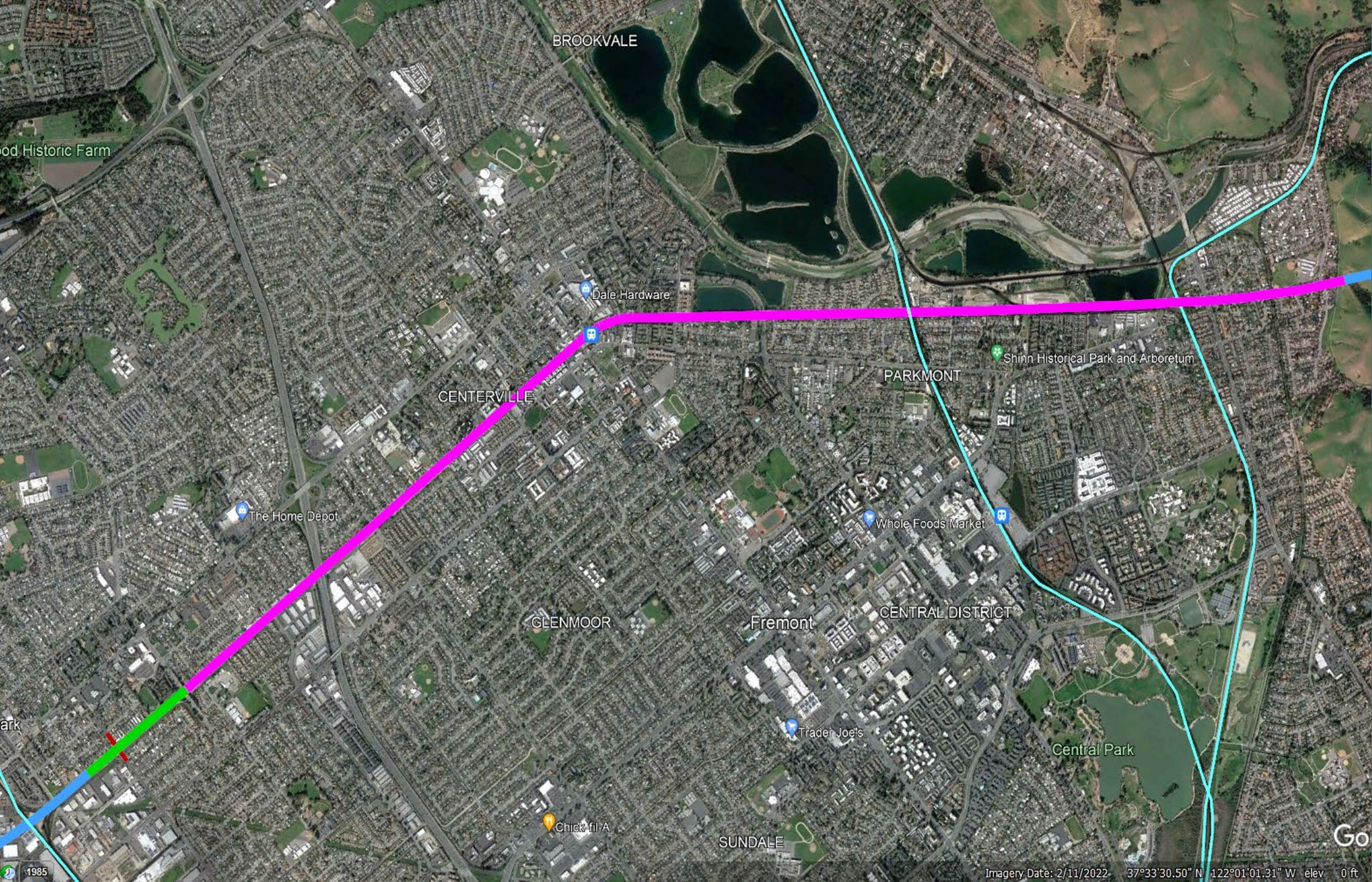




## Altamont Pass HSR

The Altamont Pass corridor between Bay Shore Fwy and Cherry Street.





Altamont Pass HSR between  
Cherry Street  
and Canyon  
Heights Dr

The flyover is  
needed because  
of the limited  
existing right-of-  
way.

Wood Historic Farm

BROOKVALE

Dale Hardware

CENTERVILLE

PARKMONT

Shinn Historical Park and Arboretum

The Home Depot

Whole Foods Market

GLENMOOR

Fremont

CENTRAL DISTRICT

ark

Trader Joe's

Central Park

Chick fil-A

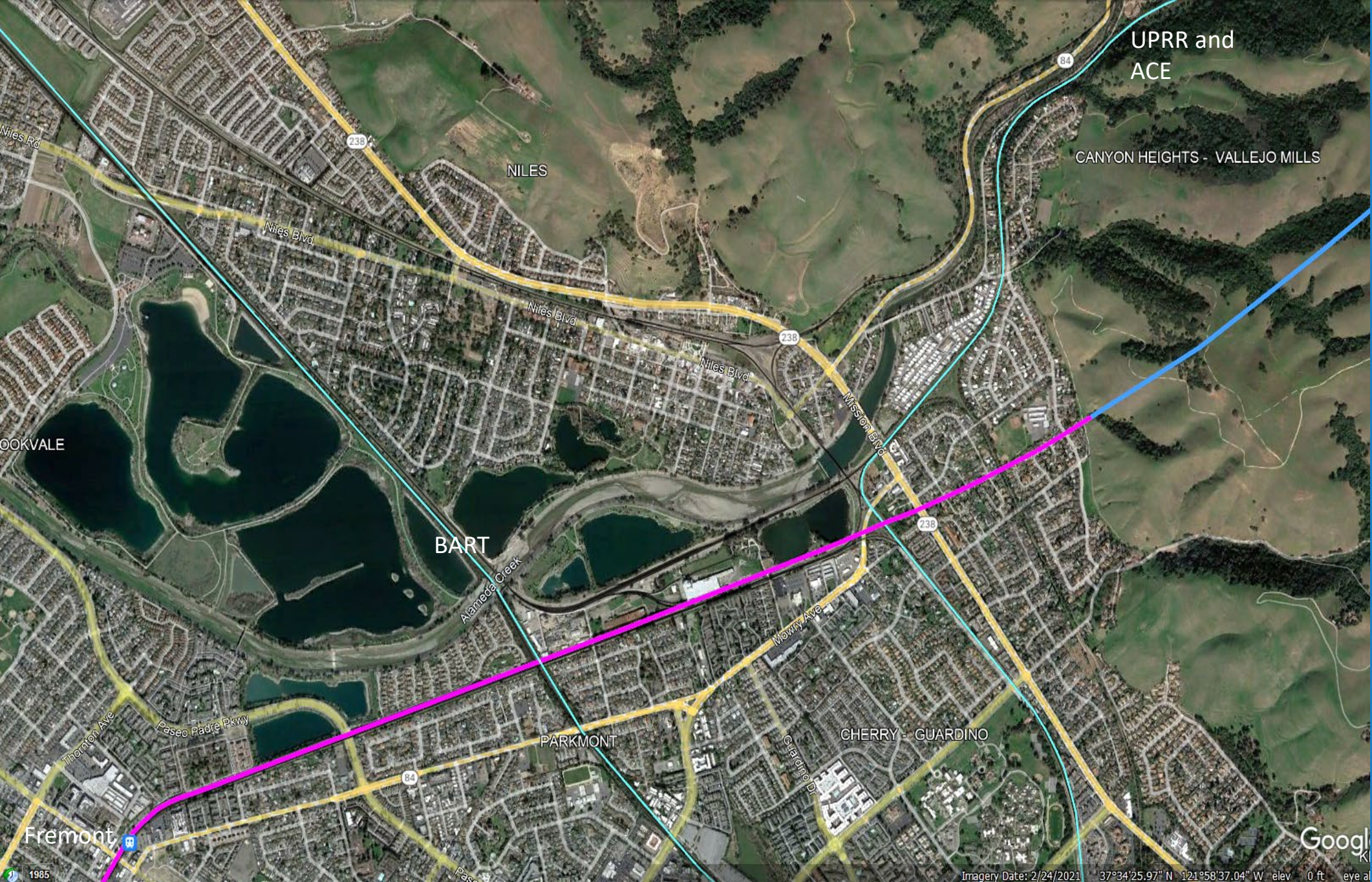
SUNDALE

Go

1985

Imagery Date: 2/11/2022 37°33'30.50" N 122°01'01.31" W elev 0 ft





UPRR and  
ACE

CANYON HEIGHTS - VALLEJO MILLS

NILES

BART

PARKMONT

CHERRY - GUARDINO

Fremont

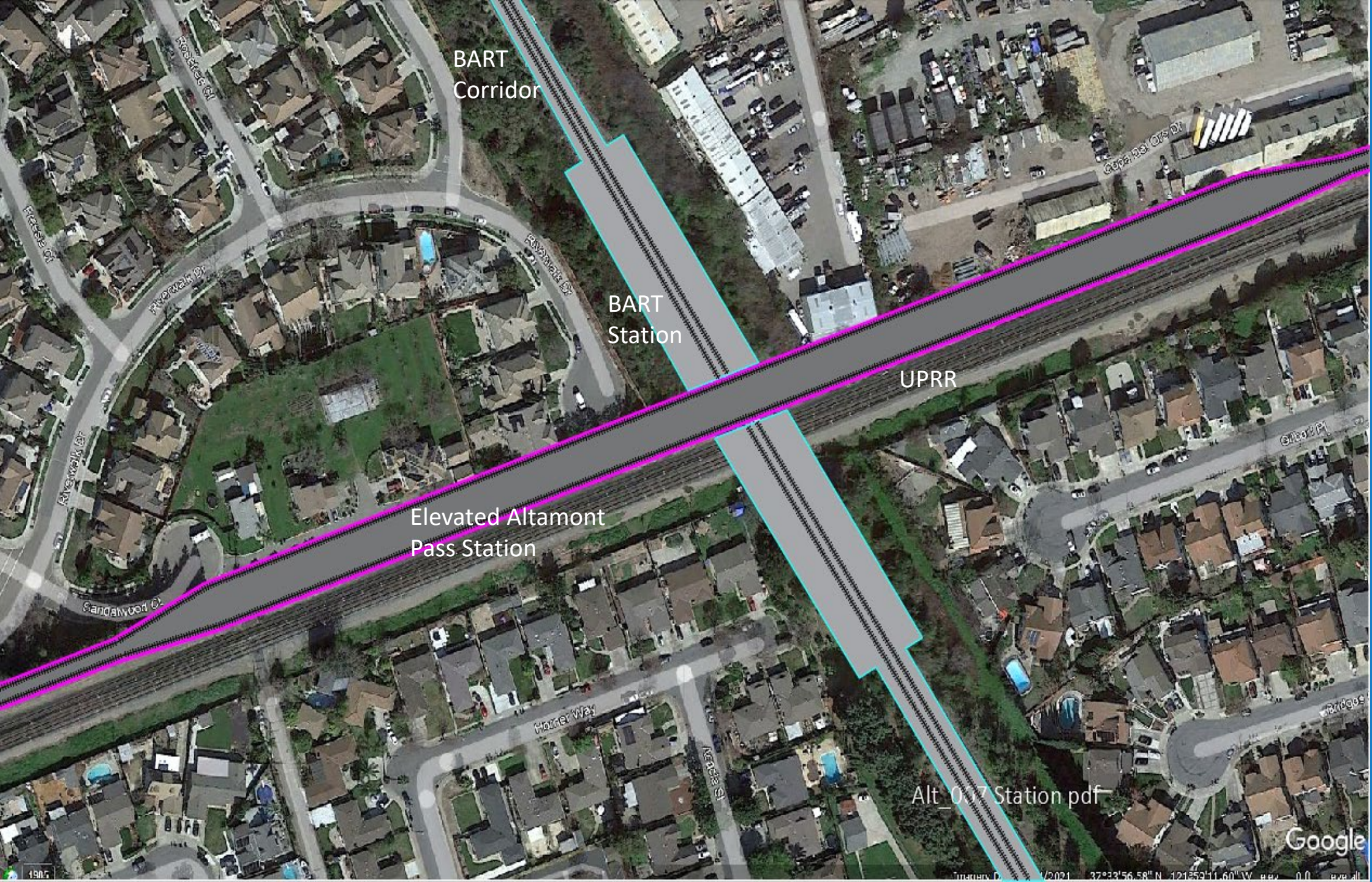
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### Altamont Pass HSR

The Altamont  
Pass corridor  
between  
Fremont  
Station and  
Canyon Heights  
Dr.

The Altamont  
Commuter  
Train (ACE)  
route will be  
replaced at the  
Mission Valley  
Junction Station  
with the HSR.  
The passengers  
will transfer  
from the ACE  
train to the HSR  
train.





BART  
Corridor

BART  
Station

UPRR

Elevated Altamont  
Pass Station

Alt\_017 Station pdf

Altamont Pass  
HSR

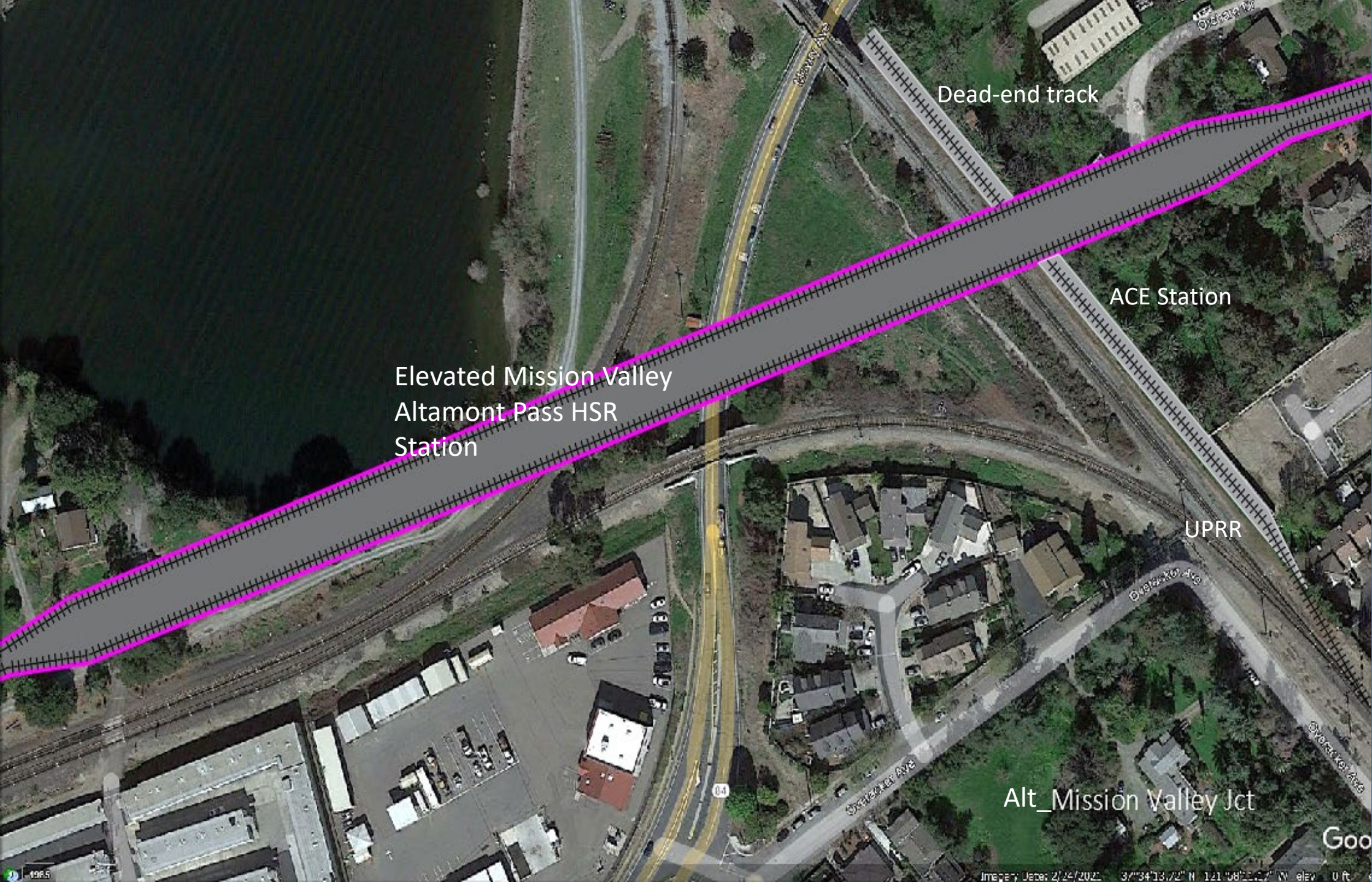
The Altamont  
Pass HSR is above  
the BART  
corridor.  
Passengers will  
use stairs,  
escalators, and  
elevators to  
access the 1300  
ft long elevated  
Altamont  
Pass HSR station.

For the best  
service, the BART  
line should go all  
the way to the  
San Jose Diridon  
Station, which  
connects to the  
Caltrans trains.

Construct the  
BART station  
length as  
needed.

Google





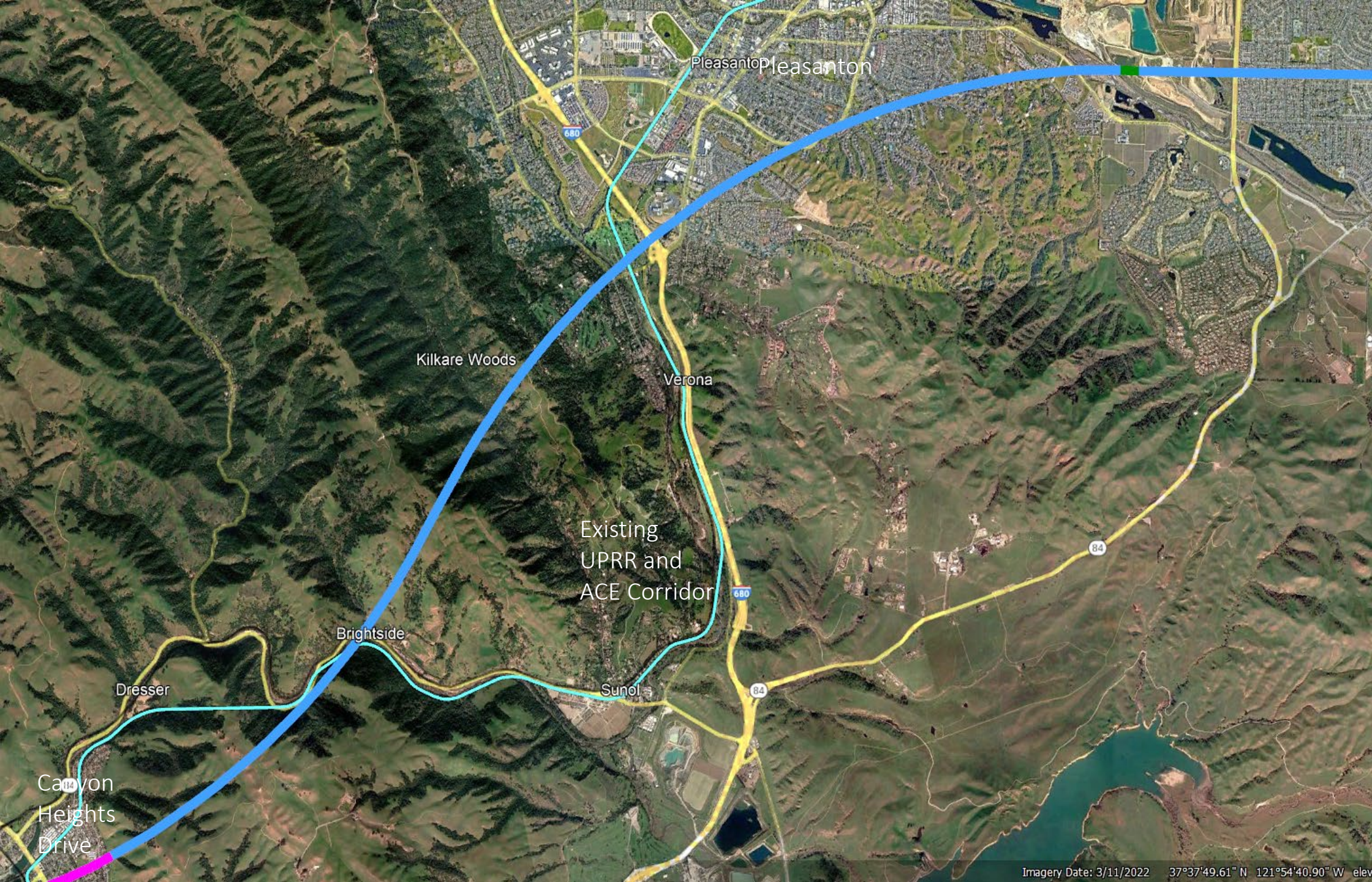
## Altamont Pass HSR

The UPR ACE trains will pendel between the Diridon and the Mission Junction Station and then use the dead-end track to load and unload passengers.

The passengers can use stairs, escalators, or elevators to access the elevated Altamont Pass HSR Station.

The better option is to eliminate this station and only use the BART Altamont Pass HSR station.





Altamont Pass HSR between Canyon Heights Dr and East of Pleasanton

The HSR Altamont Pass corridor will provide passage for high-speed trains without the interference of built-up properties.





UPRR and ACE

Initial tunnel excavation  
in-fill area, later use  
this for ACE Train  
maintenance and train  
storage

HSR

Concannon Rd

Altamont Pass  
HSR between  
Pleasanton and  
Livermore

This is the  
Pleasanton  
Lagoon area. Fill  
this area with  
tunnel excavation  
material. Material  
recycling may be  
possible  
depending on the  
geology.

Conveyor  
transport  
additional tunnel  
excavation  
material to the  
north side of  
Stanley Blvd and  
then develop for  
housing.

Eastward, the  
tunnel is below  
Concannon Rd.





Altamont Pass HSR between Pleasanton and Livermore

Initial tunnel, cut, in-fill, and tunnel segment.

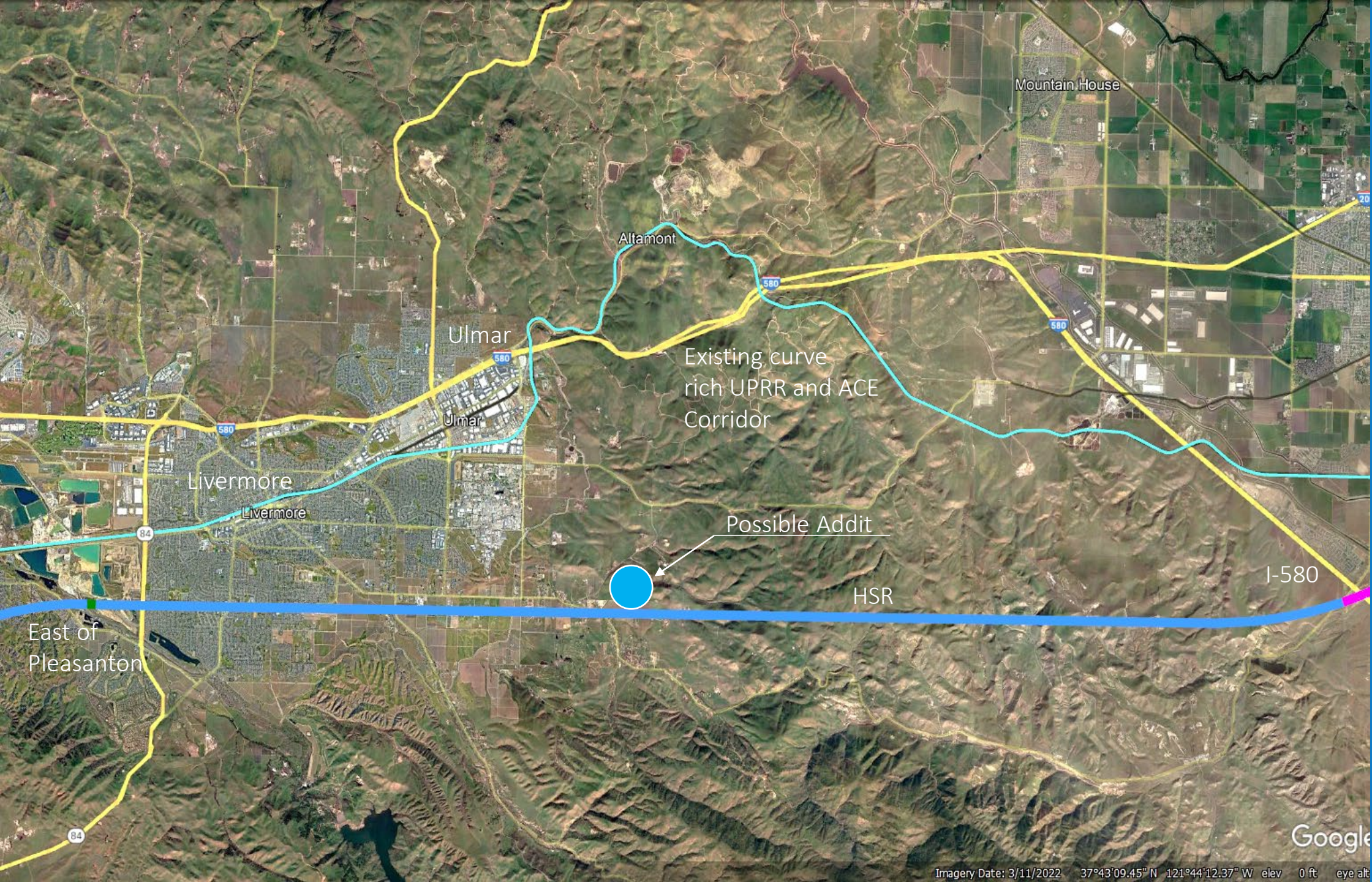
Once filled in, use this area for train maintenance and storage.

In-fill area  
27 acres  
Later to train service storage and station

Station Platform

In-fill area

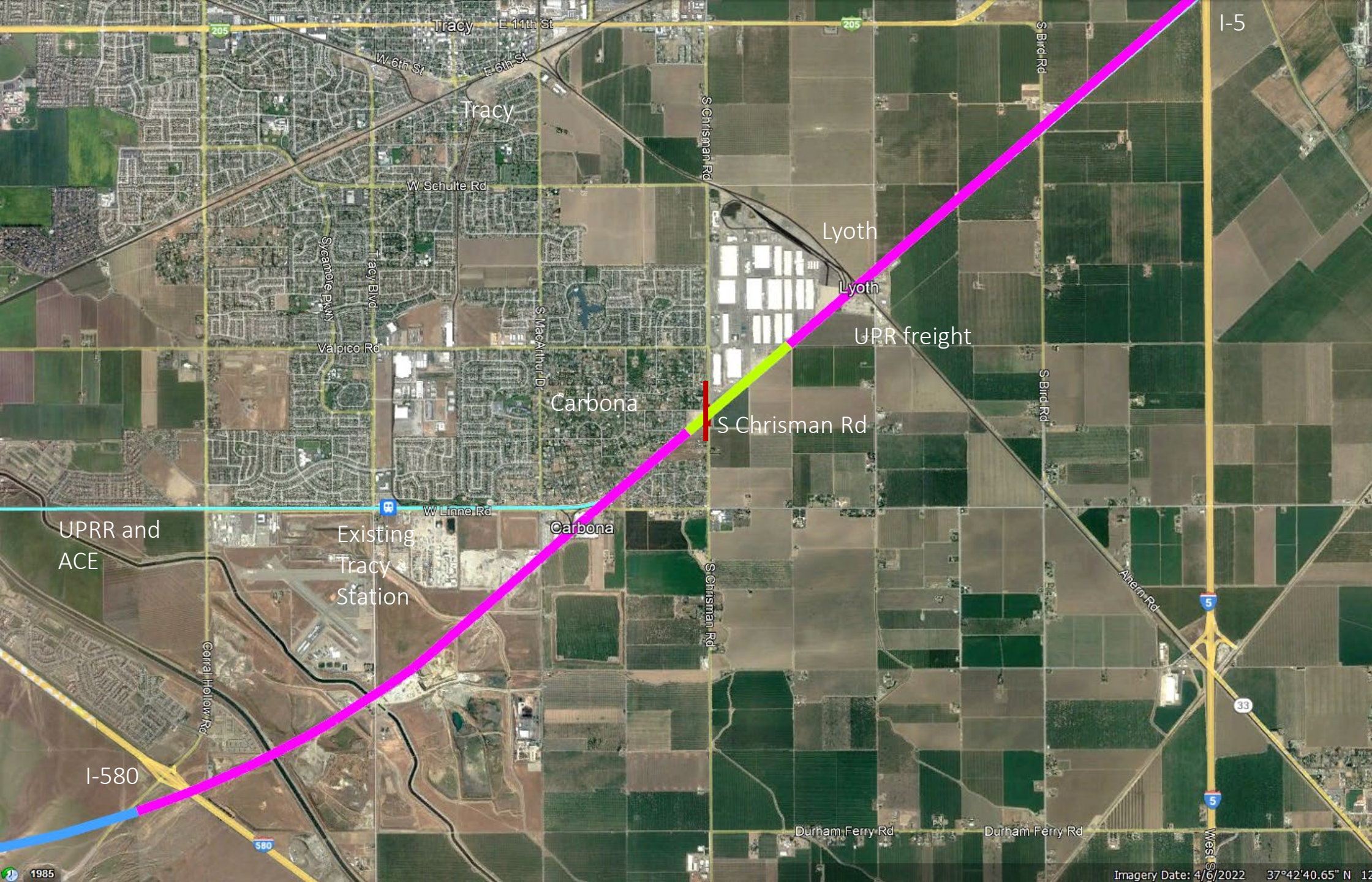




Altamont Pass  
HSR between  
East of  
Pleasanton  
and the  
overpass of  
I-580

An  $\pm 450$  ft deep  
addit may be  
used to speed up  
the tunneling  
construction and  
provide  
excavation  
material deposit.



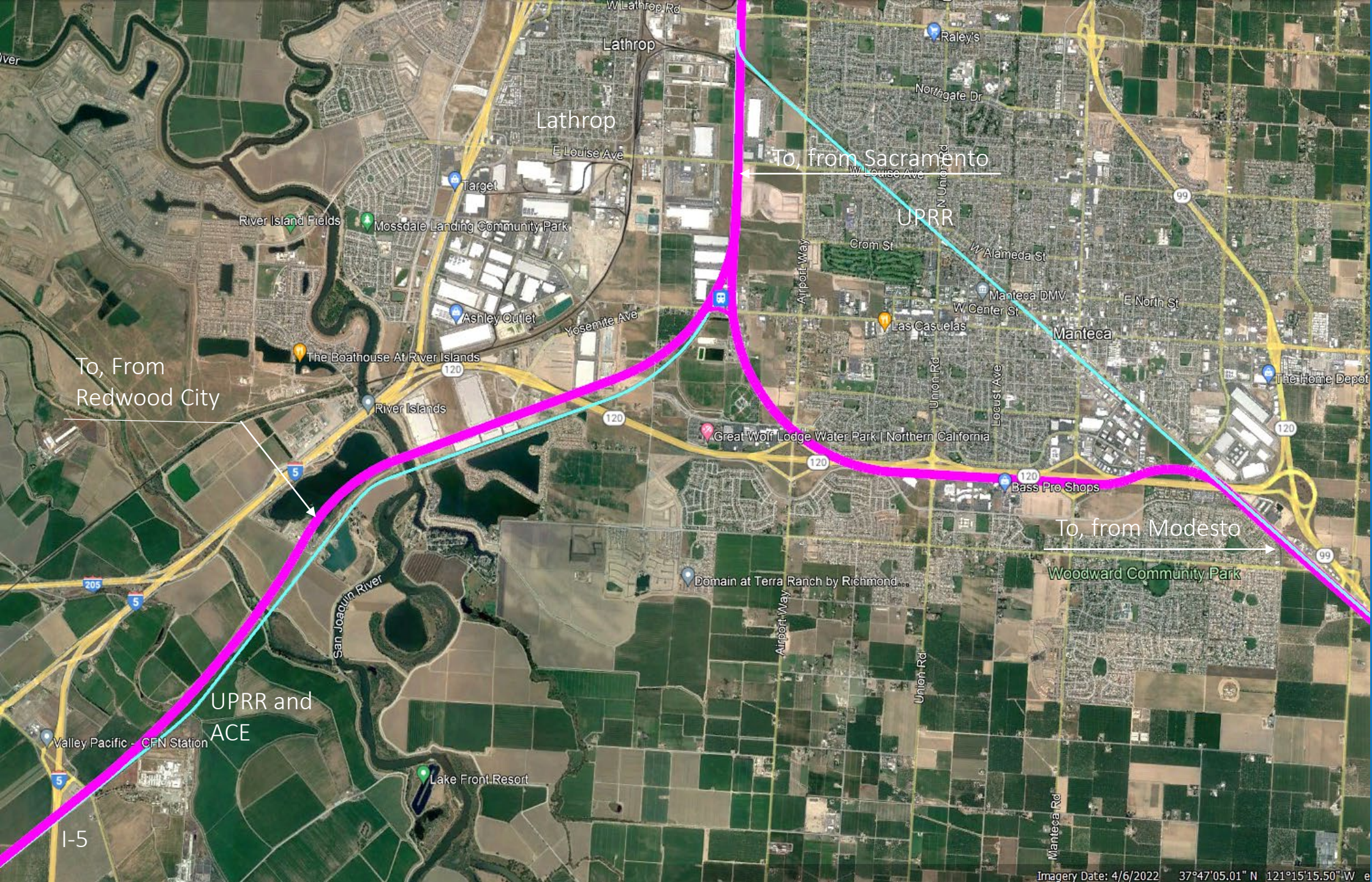


Altamont Pass HSR between the overpass of I-580 and I-5

The HSR must fly over the UPRR freight corridor at Lyoth to prevent crossing conflicts.

S Chrisman Rd will get an overpass. Carbona/Tracy will get a new station; the existing one will be closed.





Altamont Pass  
HSR between  
I-5 and  
Lathrop

The Lathrop Wey  
will allow  
passenger  
transfer for the  
three corridors.  
Redwood City,  
Lathrop  
Sacramento.

Redwood City,  
Lathrop,  
Modesto.

Modesto,  
Lathrop,  
Sacramento.





HSR to Sacramento



HSR to Fremont, Redwood City, San Francisco, and San Jose



Park and Ride

HSR to Modesto, Bakersfield, Los Angeles



The Lathrop Wey for the HSR Train Corridors with the Connecting Station Platforms

Yosemite Ave connects to Hwy 120, 99, and I-5.

Connections to the platforms are below the covered flyover tracks.

This station will be secure and enclosed.

Alt\_Lathrop WY\_01.pdf



Please see below the educational videos of tunnel-boring machines for different geology.

<https://www.youtube.com/watch?v=1DrLQGxpj1Q>

(25) TBM Variable Density<sup>®</sup> EN - YouTube