

Proposed Ground Level View - Looking East Charleston Road Intersection



Proposed Viaduct Aerial View - Looking South Meadow Drive Intersection



Proposed Backyard View - Looking East Typical Property West of Tracks

RAIL FACT SHEETS

Meadow-Charleston Viaduct

What is a Viaduct?

For the viaduct alternative, the railroad tracks will be elevated on a structure over Meadow Drive and Charleston Road. The new electrified railroad tracks will be built between the existing railroad tracks and Alma Street (east side) and will begin rising north of Loma Verde Avenue, remain elevated over Meadow Drive and Charleston Road, and return to the existing elevation south of Ferne Avenue.

The roadways at Meadow Drive and Charleston Road will remain at their existing grade and have a similar configuration to what exists today, with the addition of Class II buffered bike lanes on Charleston Road. This addition will require expanding the width of the road to maintain bike lanes through the underpass of the railroad and to accommodate the new column supporting the railroad structure.

By the numbers

- Railroad track is designed for 110 mph.
- Meadow Drive and Charleston Road are designed for 25 mph.
- Maximum grade on railroad is 1.4%.
- Maximum grade on roadway is 5%.
- Travel lane widths are 10-12 feet.
- Bike lane widths are 5-6 feet.
- Construction period is approximately 2 years.

Engineering Challenges

• A non-standard grade of 1.4% will be required on the tracks. Caltrain's preferred grade maximum is 1%.

Cost Breakdown

TOTAL PROJECT COSTS	\$400M to \$500M
Escalation from 2018 to 2025 dollars	\$75M to \$93M
Support Costs	\$84M to \$106M
Right-of-way & Utilities	\$2M to \$3M
Structure Items	\$175M to \$218M
Roadway & Railroad Items	\$64M to \$80M

Preliminary and subject to change. Maintenance costs and relocation of fiber optic lines not included.

For more Rail Fact Sheets visit: https://connectingpaloalto.com/ fact sheets/



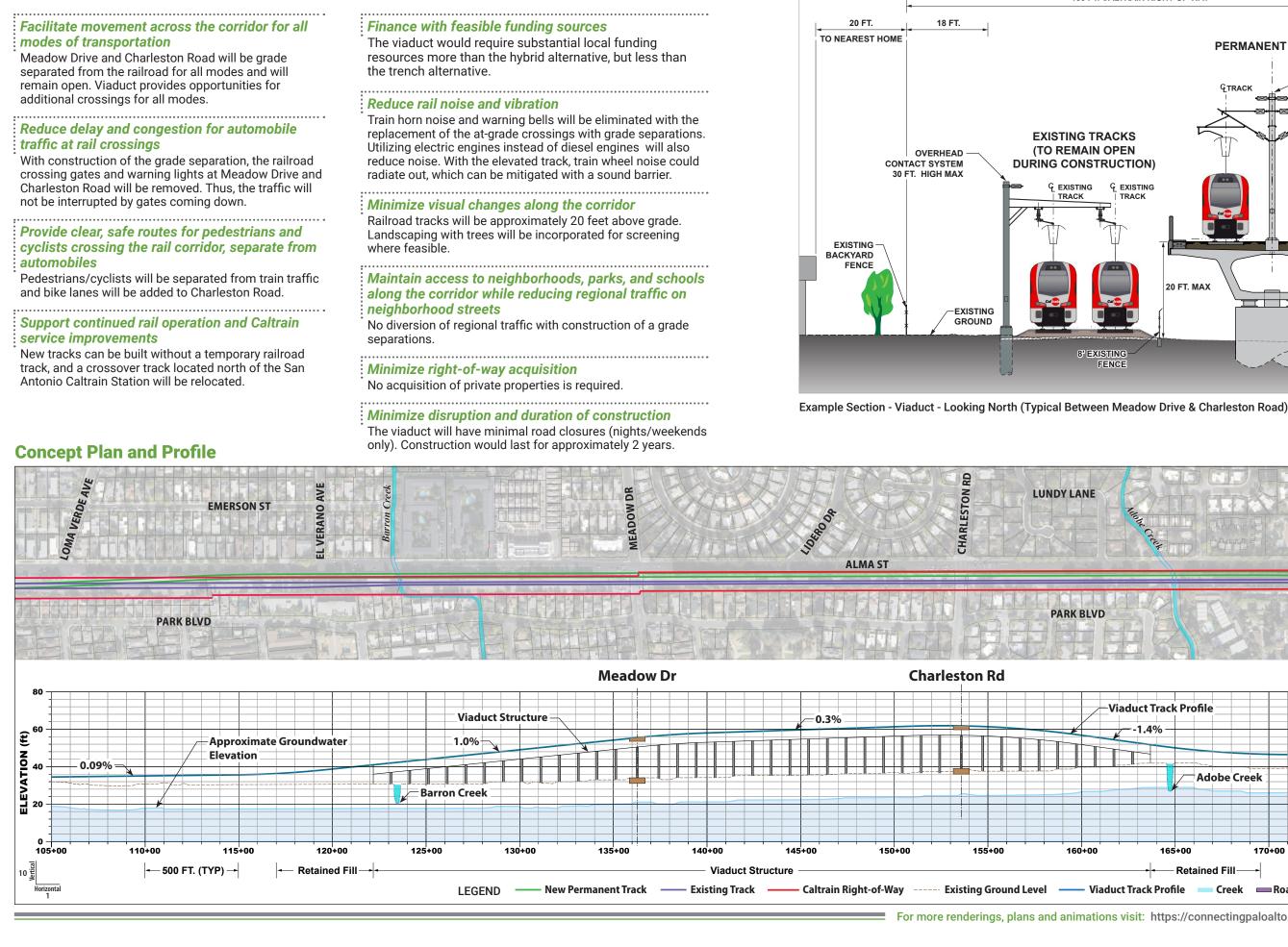
Neighborhood Considerations

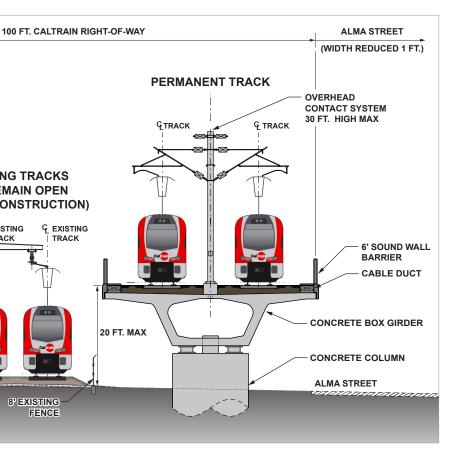
- During construction, Meadow Drive and Charleston Road will be closed intermittently at night and on weekends.
- During construction, Alma Street will have narrow lanes for the portions north of Meadow Drive and south of Charleston Road.
- Vertical clearance of the railroad over Meadow Drive and Charleston Road will be 15.5 feet.
- The railroad tracks will be approximately 20 feet above the existing street between Meadow Drive and Charleston Road.
- With grade separations at Meadow Drive and Charleston Road the traffic at nearby intersections is expected to improve.

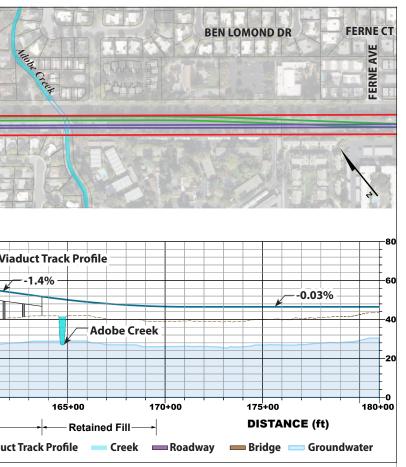


Caulfield to Dandenong Viaduct - Australia

Evaluation with City Council-Adopted Criteria







For more renderings, plans and animations visit: https://connectingpaloalto.com/renderings-plans-and-animations/