





### From Presentation to City Council on May 29, 2018

## Rail Committee Recommended Ideas

Type of Separation (Alphabetical Order)	Citywide	Palo Alto 2017 ADT (vehicles/day) = 16,200 (+ 550 bikes)	Churchill 2017 ADT (vehicles/day) = 9,200 (+ 1,020 bikes)	Meadow 2017 ADT (vehicles/day) = 8,900 (+ 900 bikes)	Charleston 2017 ADT (vehicles/day) = 17,900 (+ 240 bikes)
Closure		Palo Alto Ave Closed, Add Improvements (PCX)	Churchill Ave Closed, Add Improvements (CAX)		
Hybrid (Road over Rail)			Churchill Ave Reverse Hybrid (CAR)	Meadow + Charleston Reverse Hybrid, Loma Verde Bike/Ped (MCR)	
Hybrid (Road under Rail)		Palo Alto Ave Hybrid and/or Viaduct (PAH)	Churchill Ave Hybrid (CAH)	Meadow + Charleston Hybrid, Loma Verde Bike/Ped (MCL)	
No Build / Do Nothing					
Rail under Road (Trench)				Meadow + Charleston Trench or Tunnel (MCT)	
Rail under Road (Tunnel)	City-Wide Tunnel within Palo Alto (WBP)				
Rail over Road (Berm/Viaduct)				Meadow + Charleston Viaduct (MCV)	
Road Over Rail					
Road under Rail					



## **Ideas to Review**

- Churchill Avenue Hybrid (CAH)
  - A "hybrid" option that would partially lower the road and partially elevate the tracks



- Churchill Avenue Reverse Hybrid (CAR)
  - The "reverse hybrid" option with a partially elevated road and partially lowered tracks

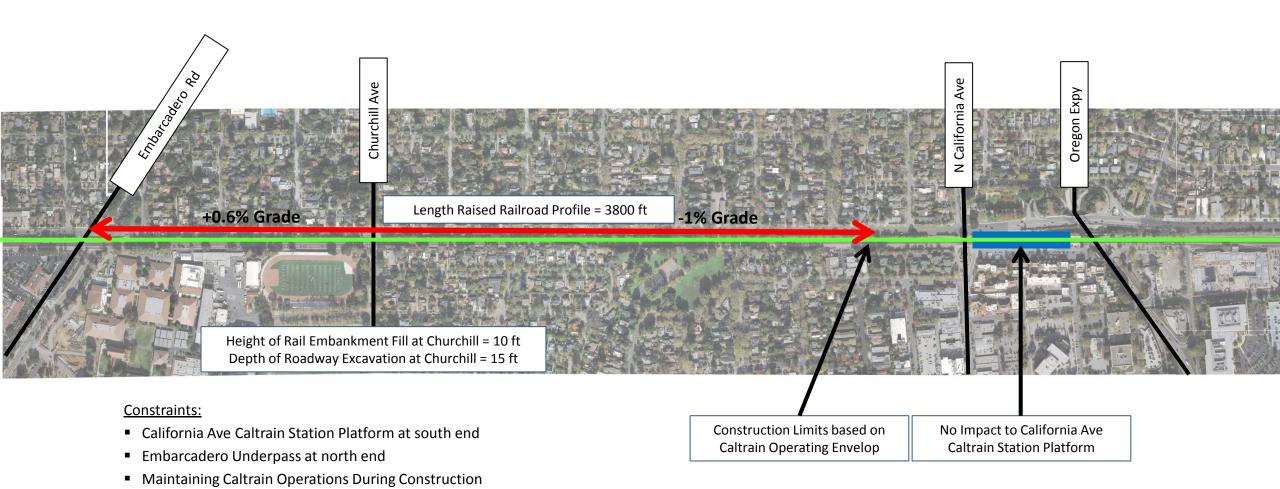


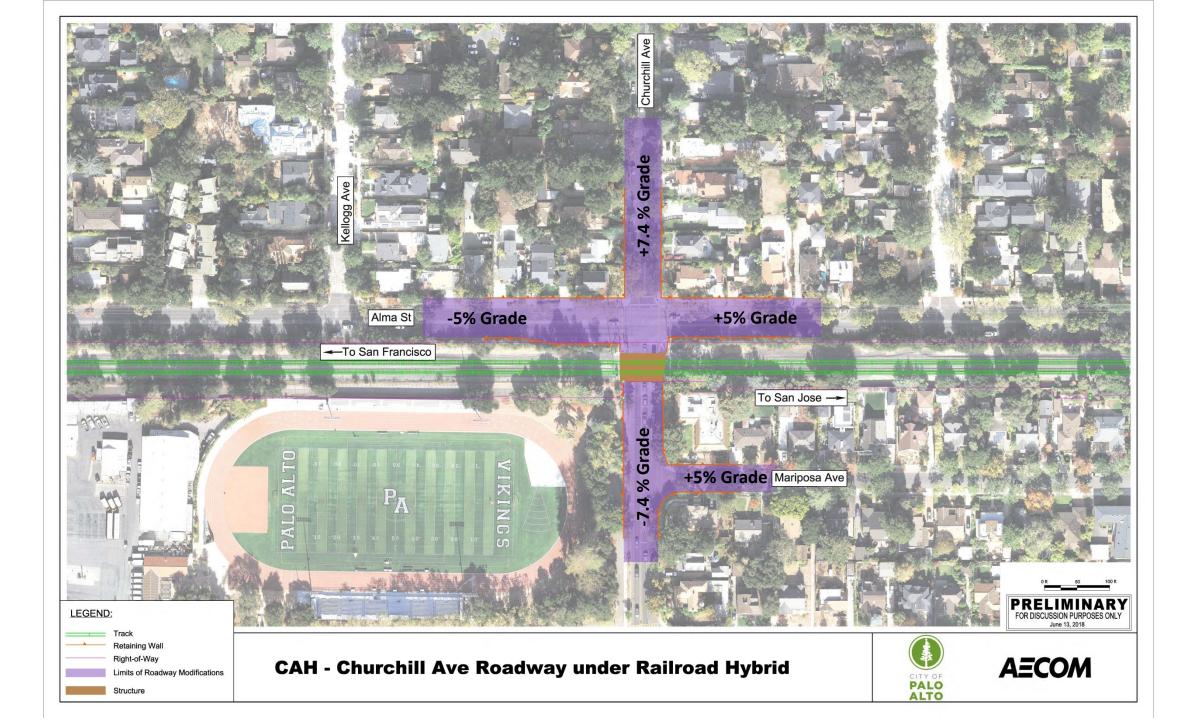
- Palo Alto Hybrid (PAH)
  - A "hybrid" option that would partially lower the road and partially elevate the tracks





- Operating Envelop for Construction Limits

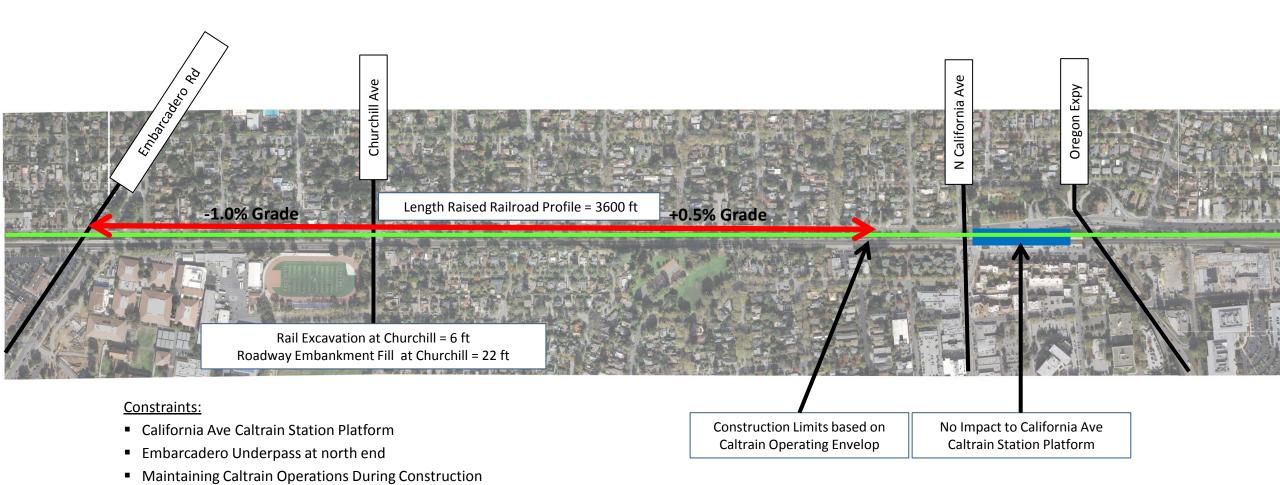


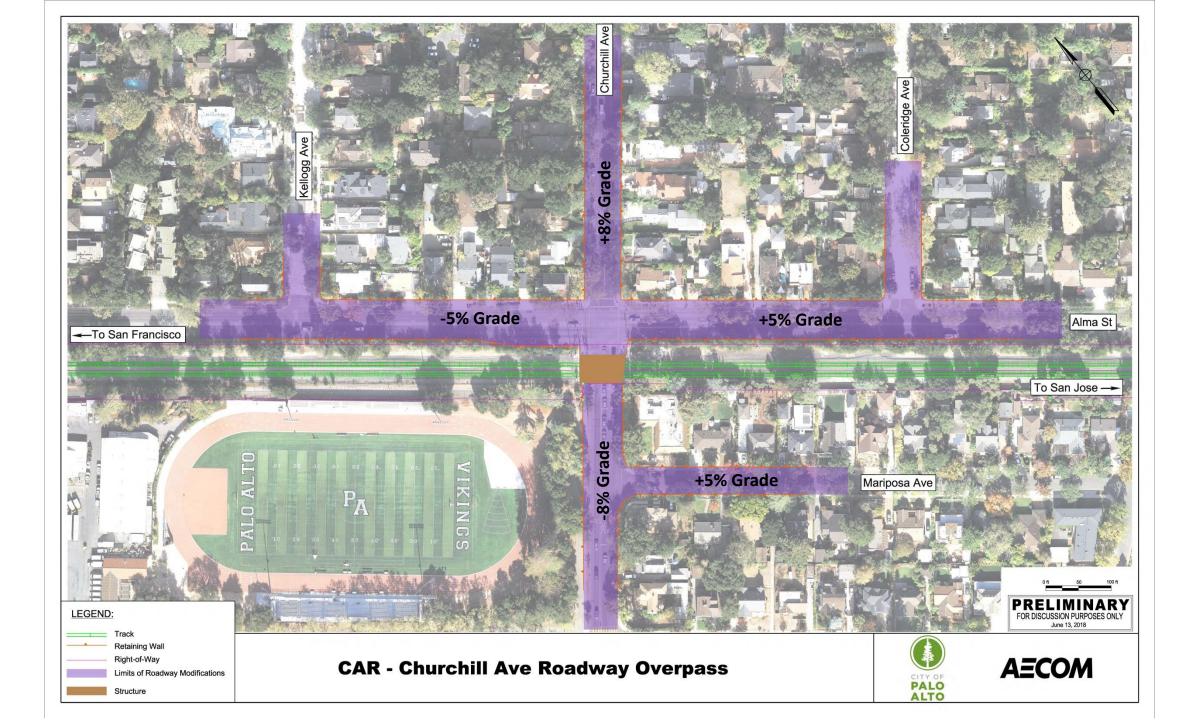




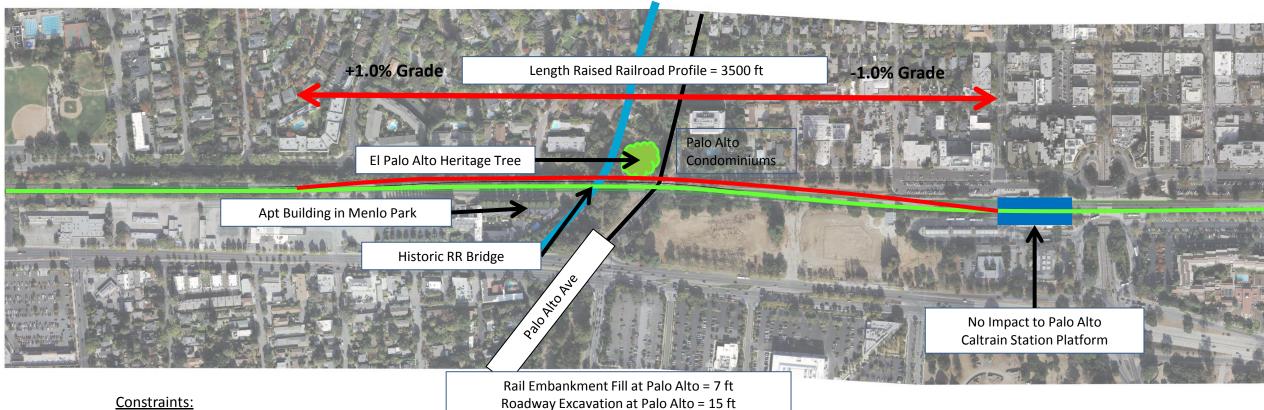
- Operating Envelop for Construction Limits

# **Churchill Avenue Reverse Hybrid (CAR)**









#### Constraints:

- Palo Alto Caltrain Station Platform
- Historic Bridge over San Francisquito Creek
- El Palo Alto Heritage Tree in El Palo Alto Park
- Apt Building in Menlo Park on west side of track
- Maintaining Caltrain Operations During Construction
  - Operating Envelop for Construction Limits

