

# High Speed Rail

December 19, 2018 Item 13



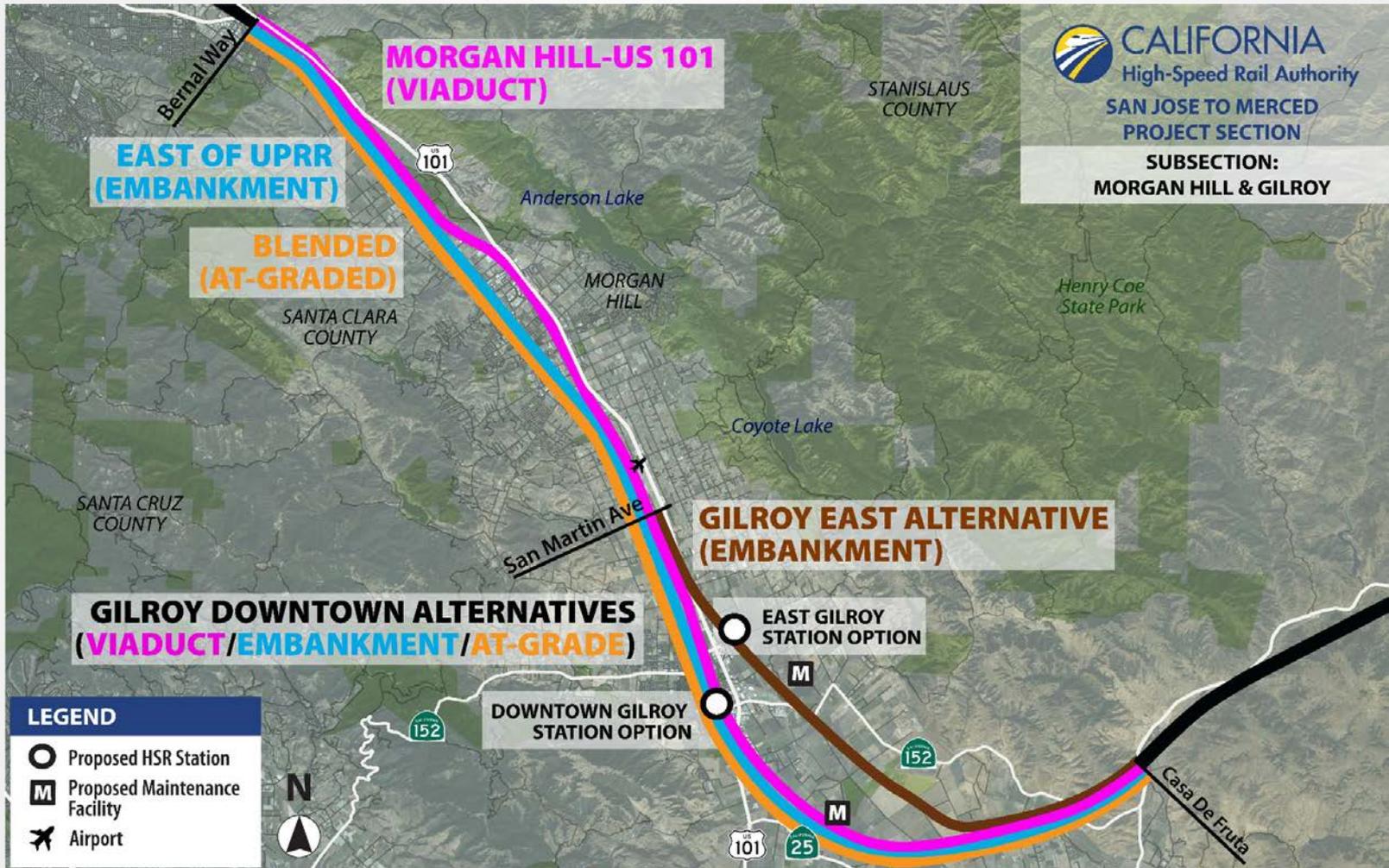
# Agenda



Review HSR Alignment Options & Receive Project Update



Discuss the need/opportunity for studying Grade Separations at Dunne and Tennant Avenues



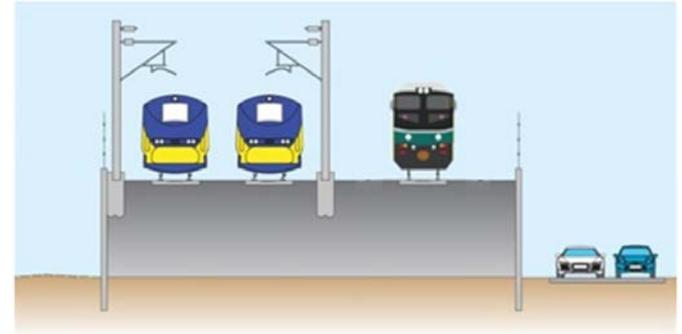
# Viaduct Option

- Along west side of Hwy 101 (Morgan Hill)
- East of UPRR (San Martin)
- HSR on viaduct (35-75 ft high)



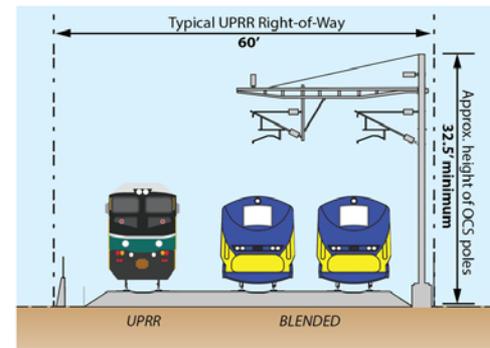
# Embankment Option

- Adjacent to east side of UPRR corridor
- HSR and UPRR on retained fill (0-15 ft high)

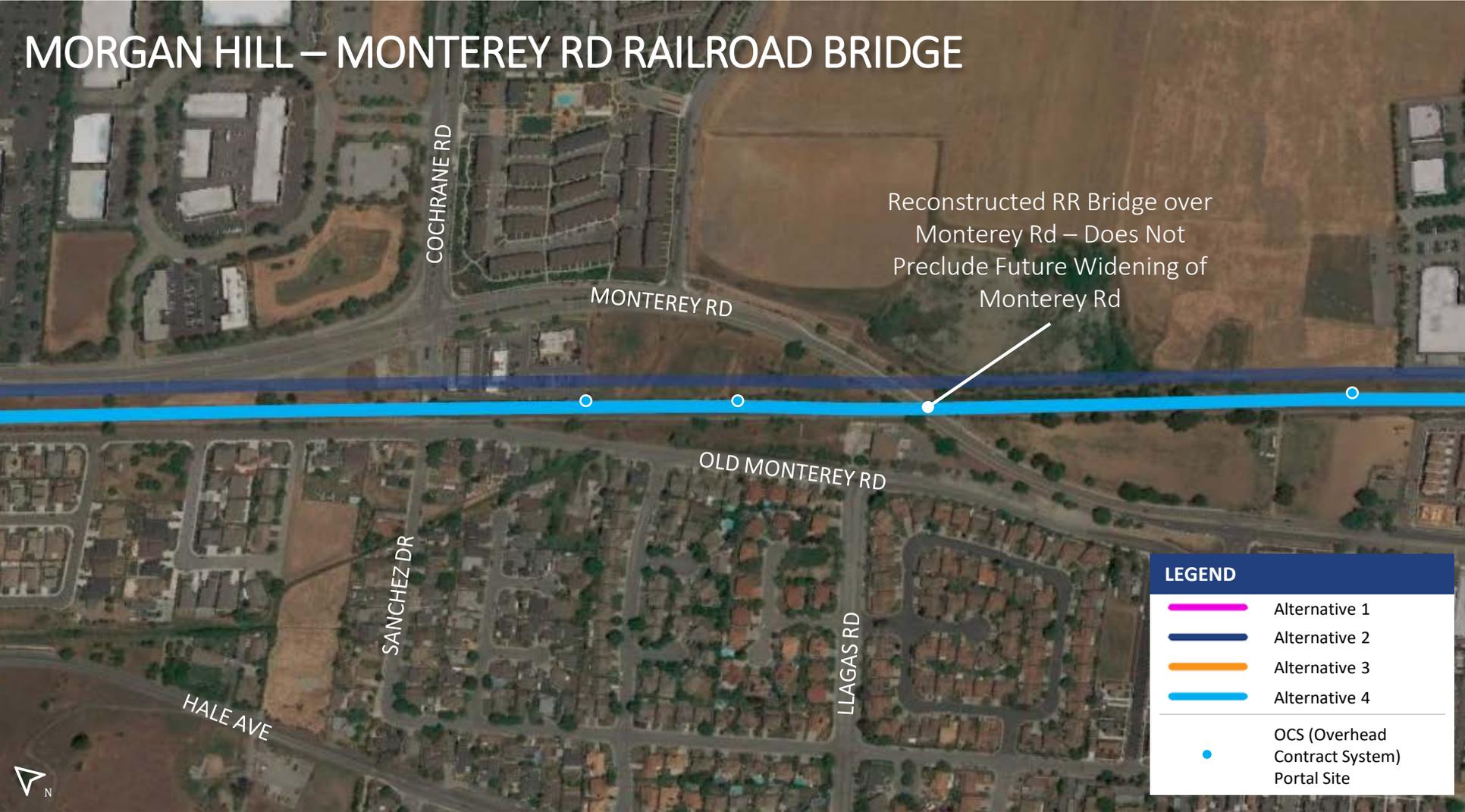


# Blended Option

- Two electrified tracks and one conventional track
- Predominantly within the existing railroad ROW
- At-grade tracks with quad gates at each road crossing



# MORGAN HILL – MONTEREY RD RAILROAD BRIDGE



Reconstructed RR Bridge over Monterey Rd – Does Not Preclude Future Widening of Monterey Rd

LEGEND	
	Alternative 1
	Alternative 2
	Alternative 3
	Alternative 4
	OCS (Overhead Contract System) Portal Site



# MORGAN HILL CALTRAIN STATION



Potential Parking Deck over Existing Caltrain Lot for Displaced Parking

BUTTERFIELD BLVD

E MAIN AVE

EDUNNE AVE

Proposed Pedestrian Undercrossing

Reconstructed Morgan Hill Caltrain Station

MONTEREY RD

LEGEND	
	Alternative 1
	Alternative 2
	Alternative 3
	Alternative 4
	OCS (Overhead Contract System) Portal Site
	Stand Alone Radio Sites
	Quad Gates



# Why Study Grade Separations?

- HSR projecting between 8-10 trains per hour
- Caltrain service to increase in South County
- Tennant & Dunne Avenues have high ADT crossings
- Multi-modal Safety was #1 concern during HSR community meetings

# Benefits of Study

- Better understanding of impacts
- Ability to indicate preference to CHSRA
- Opportunity to update Transportation Documents
- Position City for Transportation Grants
- Problem-solve design and engineering issues



Underpass Example



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Google earth

Overpass Example

37°20'39.66" N 121°55'05.71" W elev. 68 ft eye alt. 931 ft



Embankment Example

# Recommendation



1. Authorize City Manager to execute a contract with HDR Engineering, Inc., in the amount of \$125,000 to study roadway grade separations at Dunne Avenue and Tennant Avenue; and
2. Adopt resolution approving a three-year interfund loan in the amount of \$125,000 to the Traffic Impact Fund from the Local Drainage Impact Fund and amend the City's adopted Fiscal Year 2018-19 budget in funds No. 303 and 309 for related expenditures.

# Questions?

