



# 25<sup>th</sup> Avenue Grade Separation

February 20, 2018

# Agenda

- I. Overview**
- II. Project Description**
- III. Project Construction**
- IV. Outreach**
- V. Questions**



# Overview



# Project Location



## E. 25<sup>th</sup> Ave Railroad Crossing

- 92 Caltrain trains each weekday use this crossing, in addition to freight
- Lack of grade separation increases delays along corridor





# Project Description



# Project Elements

Construct Grade Separation (elevated rails, lowered roads) between Hillsdale Blvd and Highway 92

- Concrete bridge 25<sup>th</sup> & 28<sup>th</sup> Ave
- Steel bridge at 31<sup>st</sup> Ave
- Concrete retaining walls
- MSE walls

# Elevated Track





# Grade Separation (25th Ave)



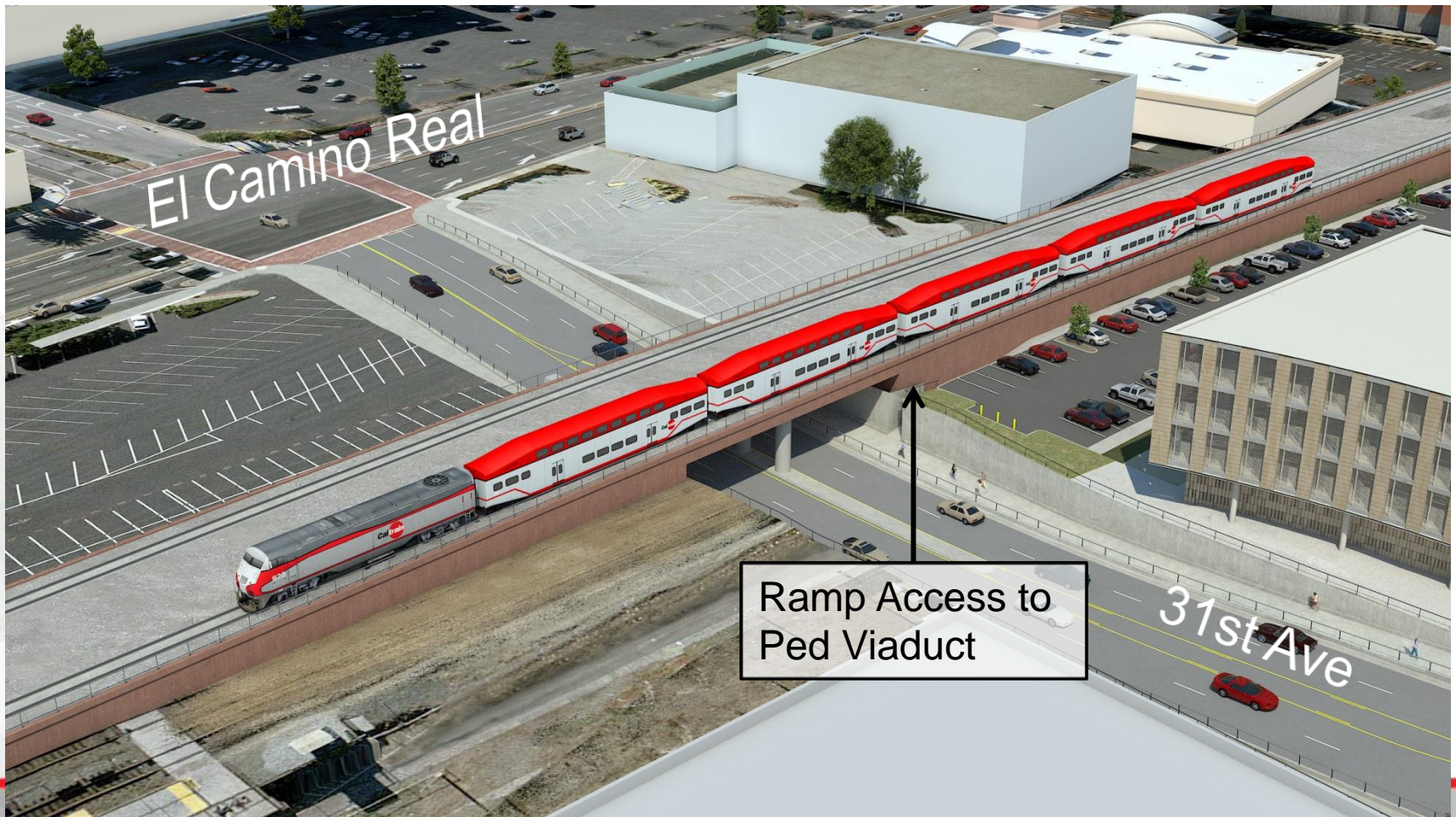


# East-West Connection (28th Ave)





# East-West Connection (31st Ave)





# Relocated Hillsdale Station





# Station Improvements



# Station Improvements – Mosaic Wall



# Station Improvements



Stairway Entrance to Platform



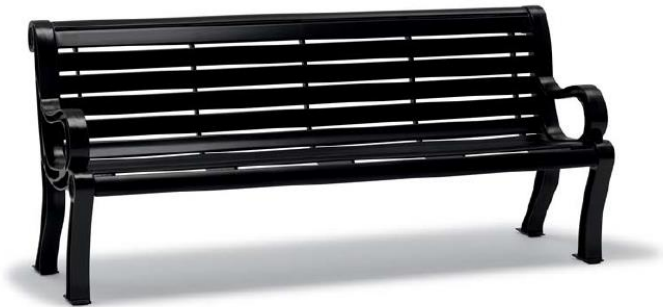
# Station Improvements - Platform



New Station Platform,  
Shelters, Lights



# Station Improvements - Furnishings



STANLEY™ Create a life.  
Product name for reference. Visit [STANLEY.COM](http://STANLEY.COM) for details.

# Project Benefits

- Safe rail operations
- Fewer system-wide delays
- Improved traffic flow
- Improved pedestrian and motorist safety
- Facilitate Caltrain electrification which will reduce noise and vibration



# Project Construction



# Schedule: Overview

| Activity   | Date                 |
|--|----------------------|
| Mobilization   | Sept 2017 - Oct 2017 |
| Begin Construction   | Oct 2017             |
| Hillsdale Station Temp Parking<br>(available for public use) | Oct 2017 – Jan 2019  |
| Bridges and MSE Walls  | Nov 2017 – Nov 2018  |
| E. 25 <sup>th</sup> Ave. (lane closures)                     | Nov 2017 – Oct 2019  |
| Bridge at E. 25th Ave<br>(14FT clearance)                    | May 2018 – Oct 2019  |



## Schedule: Overview cont.

| Activity                                | Date   |
|---|--|
| Station Closed                          | Dec 2018 – May 2019  |
| Road Completed – 28 <sup>th</sup> Ave   | May 2019   |
| E. 25 <sup>th</sup> Ave. Closure (full) | Oct 2019 – Dec 2019  |
| Roads Completed                         | Oct 2019 – 31 <sup>st</sup> Ave<br>Dec 2019 – 25 <sup>th</sup> Ave |
| Project Completed                       | Jan 2020   |

# Schedule: Night Work Overview

| Activity                               | Date  |
|--|---|
| Temporary Sheet Pile Shoring           | Nov 2017 – Dec 2017<br>(25 <sup>th</sup> Ave: 5 nights in Feb.) |
| Cast-in-drilled-hole pile construction | Nov 2017 – Feb 2018   |
| MSE walls                              | March 2018 – Sept 2018  |
| Bridges                                | March 2018 – July 2018  |
| Final Track Cutover                    | Dec 2018 & Jan 2019   |

# Construction

## Sheet Piles



# Construction

## CIDH Piles





# Construction

## Pile Caps



Forming Pile Cap



Pile Cap at Pedestrian Underpass



# Construction

## Temporary Parking Lot





# Construction Notices

## 25th Avenue Grade Separation Project

Dear Caltrain Neighbor,

Starting in mid-October 2017, Caltrain will begin construction on the 25th Avenue Grade Separation Project. Caltrain, in cooperation with the City of San Mateo, will raise the tracks and slightly lower the road (grade separate) at E. 25th Avenue in San Mateo. This will improve safety for both motorists and pedestrians, and it will reduce local traffic congestion in San Mateo. In addition, the project will provide an opportunity to complete east-west street connections at 28th and 31st Avenues. As part of the project improvements, Caltrain will build a new elevated Hillsdale Station located at E. 28th Avenue. The new station will offer updated amenities and will allow for better safety and reduced traffic.

The first phase of construction includes the clearing of shrubbery and potholing. Crews will begin to build the bridges and walls needed for the grade separation. Starting October 23, there will be a partial parking lot closure at Hillsdale Station, with temporary parking available at 31st Ave. There will also be periodic partial lane closures and parking restrictions on E. 25th Avenue (all businesses on E. 25th Avenue will remain open for business as usual). In order to maintain regular train service, some activities will be conducted during nights and weekends, outside of normal train service hours. Neighbors may experience construction noise and light during these times. For those who ride Caltrain, there may be some single tracking for a period of time at Hillsdale Station. We apologize for any inconvenience this may cause.

As key milestones approach we will continue to send out notifications. Caltrain also offers a weekly notice for those interested in the latest construction activities. For more information on the project and to sign-up for the weekly construction notice, please visit [www.caltrain.com/25thGS](http://www.caltrain.com/25thGS). For questions about the project, please call the Caltrain Construction Hotline at 650.508.7726 or email [SMGradeSep@caltrain.com](mailto:SMGradeSep@caltrain.com).

10.6.17

## 25th Avenue Grade Separation Project: Upcoming Night Work

Dear Caltrain Neighbor,

As part of the 25th Avenue Grade Separation Project, crews will begin installing temporary shoring at 25th Avenue in the Caltrain right-of-way in mid-February. Sheet piles, used for temporary shoring, are a retention system where steel sheets are installed with a vibratory hammer to create a support wall. In an effort to mitigate the noise, crews will pre-drill prior to inserting the sheets. The majority of work is conducted during the day, some night work is required due to the activity's proximity to the railroad. To start construction earlier in the evening, Caltrain plans to single track its trains when night work is scheduled.

sidewalk and lane closures on E. 25th Avenue (between El Camino Real and S. Delaware) are also occurring as part of the project and will be intermittent for up to four months. All businesses along E. 25th Avenue will remain open during construction. The construction schedule is subject to change. We apologize for any inconvenience the construction may cause.

25th Avenue Grade Separation Project will raise the tracks and slightly lower the road (grade separate) at E. 25th Avenue in San Mateo. Caltrain, in cooperation with the City of San Mateo, is implementing the project to improve safety for both motorists and pedestrians. In addition, the project provides an opportunity to complete east-west street connections at 28th and 31st Avenues. The project will reduce local traffic congestion and horn noise, and as part of the project improvements, Caltrain will build a new elevated Hillsdale Station with updated amenities at E. 28th Avenue, allowing for better safety and reduced traffic.

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1.8.18

## Proyecto de Separación de Niveles en 25th Avenue: Próximamente se realizarán obras nocturnas

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Para traducción llama al 1.800.660.4287  
電話傳呼: 1.800.660.4287  
Call direct (toll-free), see page 1.800.660.4287



## Public Outreach & Community Engagement

- Project website:  
[www.caltrain.com/25thGS](http://www.caltrain.com/25thGS)
- Construction Outreach Hotline: 650.508.7726
- Email: SMGradeSep@Caltrain.com
- Regular Updates and Public Meetings
  - Prior to Station Closure
  - Prior to Street Closure



# Questions

