



25th Avenue Grade Separation Project Night Work Look Ahead

About the Project

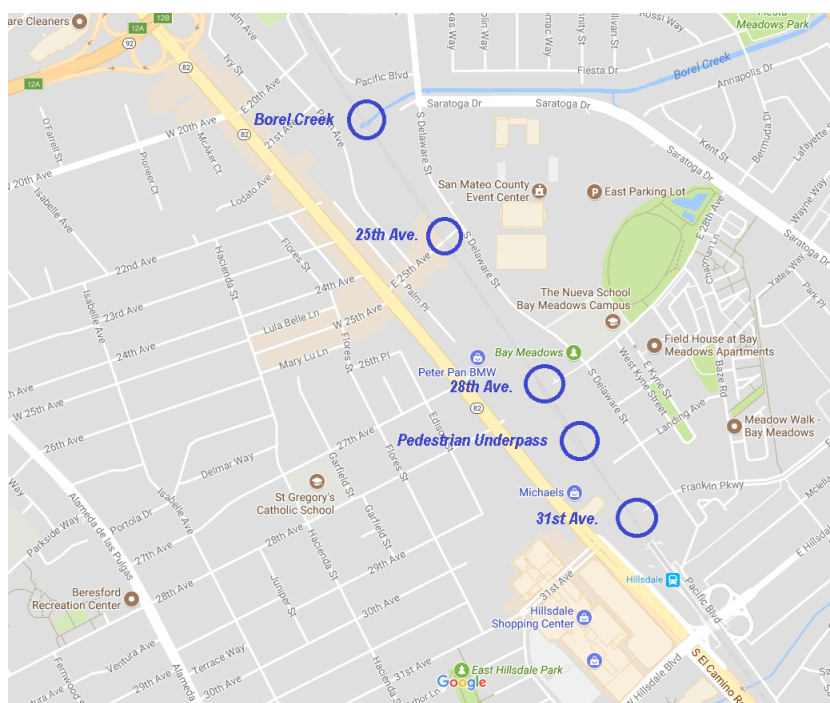
Caltrain, in cooperation with the City of San Mateo, will raise the tracks and slightly lower the road (grade separate) at E. 25th Avenue in San Mateo. This will improve safety for both motorists and pedestrians, and it will reduce local traffic congestion and horn noise in San Mateo. In addition, the project will create new east-west street connections at 28th and 31st Avenues; and as part of the project improvements, Caltrain will build a new elevated Hillsdale Station with updated amenities at E. 28th Avenue.

Night Work Look Ahead

The majority of the construction work will occur during the day. However, some activities will need to be conducted during nights and weekends outside of normal train service hours, due to their close proximity to the railroad tracks. In an effort to start construction earlier, Caltrain will single track its trains on evenings when night work is scheduled. To help the community better understand the night work that will occur, these activities are outlined below. Please note that the construction schedule is subject to change. For the most up to date information visit www.caltrain.com/25thgs and sign up for weekly construction updates.

Phase I

In this first phase of night work, there are two main activities: shoring and pile construction. Caltrain has mitigation measures in place to reduce the amount of noise as much as possible, but due to the nature of these activities, residents may experience temporary, localized noise impacts. Below is a map of where these activities are taking place. This work has been occurring since November 6, 2017.



Shoring

Sheet piles, used for the shoring, are a retention system where steel sheets are installed with a vibratory hammer to create a wall that provides lateral support. In an effort to mitigate the noise, crews plan to pre-drill prior to inserting the steel sheets. This work is anticipated to be done by the end of the year. Below is the work sequence and estimated timeframe for completion.

- Borel Creek: Completed
- 28th Avenue: by end of November 2017
- 31st Avenue: by mid-December 2017
- 25th Avenue: by end of December 2017

Pile Construction & Installation

Cast-in-drilled-hole piles are installed by drilling a borehole into the ground, which is then reinforced. Crews then pour concrete into the borehole to form the pile. Under normal circumstances, one to two piles can be constructed a night. This work is anticipated to be done by February. Below is the work sequence and estimated timeframe for completion.

- Pedestrian Underpass: (12 piles) by early December 2017
- 28th Avenue (12 piles) by mid-December 2017
- Borel Creek (10 piles) by end of December 2017
- 31st Avenue (14 piles) by end of January 2018
- 25th Avenue (12 piles) by end of February 2018

Phase II

In the second phase of night work, the main activities are: MSE walls, structural concrete at 25th Ave, and setting bridge girders. Noise impacts expected from this work will be minimal and will mainly consist of construction vehicle and equipment back-up alarms (these safety devices beep while the vehicle is reversing).

MSE Walls

Starting as early as February 2018, the MSE walls will begin to be constructed along the project area. These are pre-fabricated panels, meaning they do not require formwork or additional work on the facing. Each layer is structurally sound as it is laid, reducing construction and noise impacts. This work is anticipated to take one year.

Pouring of Concrete Abutments and Bents at 25th Avenue

While concrete at the other bridges will be poured during the day, concrete at the 25th Avenue Bridge will be poured during the night to minimize impacts to traffic and local businesses. This work will occur in spring 2018, and lights will be pointed down towards the project area to minimize light impacts.

Setting Bridge Girders

In spring/summer 2018, concrete bridges will be built at Borel Creek, 25th Avenue, 28th Avenue, and the Pedestrian Underpass, while a steel bridge will be built at 31st Avenue. A crane will assist this work, which is anticipated to take two weekends per bridge.

Phase III

In fall 2018, the tracks will need to be cut over to the final alignment. This is anticipated to take two weekends of work.

Holidays

Please note, construction will not occur on the following holidays:

- Martin Luther King Day
- Memorial Day
- Independence Day
- Labor Day
- Thanksgiving Day
- The day after Thanksgiving
- Christmas Eve
- Christmas Day
- New Year's Eve
- New Year's Day

For the most up to date information visit www.caltrain.com/25thgs and sign up for weekly construction updates. For questions about the project, please call the Caltrain Construction Hotline at 650.508.7726 or email smgradesep@caltrain.com.