

# Vision Zero Quick-Build Project Updates

April 2020

## Design Spotlight: Bike Signals

Bicycle signals improve safety at signalized intersections by designating when bicyclists have right-of-way through an intersection, reducing the number of interactions between people in vehicles and people on bicycles. Bike signals visually indicate when bicyclists should enter the intersection and are paired with vehicle signals that direct turning drivers to either yield to bicyclists or to stop and wait until their designated time to enter the intersection.

### Projects in Progress

Bike signals are a component of many quick-build projects, including the following:

- 5th Street
- The Embarcadero
- Indiana Street
- 7th Street
- Folsom Street
- Valencia Street

### Design Considerations

- Introducing dedicated phases for bicycle movement to a signalized intersection requires reallocating time from other traffic movements, which may have cascading effects on nearby intersections.
- To install new bicycle signals, the underground electrical conduit system must have room to accommodate additional wires and existing poles must have space to mount more signal heads in positions that are clearly visible to approaching traffic. The act of installing new poles or upgrading underground conduits triggers further coordination with utility companies and other City departments, which adds to overall timelines.
- Mixing zones, where bicyclists and turning motorists merge in advance of the intersection, may be installed as an interim design to bike signals or where bike signals are not feasible in a quick-build project.

### Evaluation Results



Interactions between people bike and people driving decreased by 89% at observed intersections after converting a mixing zone to a bicycle separated signal.

Close calls were drastically reduced from 53 at observed mixing zones to 5 at the same locations, after upgrading to bicycle separated signals.



## Updates Regarding COVID-19

For the duration of the public health emergency related to COVID-19, SFMTA staff are continuing to advance quick-build projects and minimize disruption as much as possible. Staff may be working with limited capacity, restricted in their field operations, or functioning as Disaster Service Workers.

To get the most up to date information, please check our regularly updated webpage at [SFMTA.com/COVID19](https://sfmta.com/COVID19). You can also view citywide updates at [sf.gov/topics/coronavirus-covid-19](https://sf.gov/topics/coronavirus-covid-19).

## Preparing for Implementation



### Mission Street and Geneva Avenue

The Mission/Geneva Safety Project is a community project focused on improving safety for pedestrians, transit, and other road users in the business district of the Excelsior neighborhood, along Mission Street from Geneva Avenue to Trumbull Street and along Geneva Avenue from Mission Street to Prague Street. In advance of larger streetscape changes, the project will install quick-build improvements such as painted safety zones, daylighting, loading/parking changes, and transit stop changes. Staff are currently designing and preparing these measures to be installed in summer 2020.



### California Street

Earlier this year, the California Street Quick-Build Project completed installation of several key safety improvements. Daylighting, updates to continental crosswalks, and other pavement markings were constructed between Arguello Boulevard and 18th Avenue.

These improvements create a safer environment for people of all ages along the project corridor, which sits on the Vision Zero High Injury Network. Later this year, the project will further improve safety by reconfiguring the roadway from four lanes to three to encourage travel at safer speeds.