



TOWN-WIDE BICYCLE FACILITES IMPROVEMENTS, CIP C-621



LOCATION

Town-wide at various signalized intersections

TIMELINE

Spring 2019

PROJECT COST

Traffic Signal Video Camera/Bicycle Detection Upgrades (Phase 1): \$35,000

This Capital Improvement Project (CIP) will provide new and improvements to existing bicycle routes and infrastructure throughout the Town. The project, approved in the 2018-19 CIP Program, includes several components that strives to enhance safety while improving the bicyclist experience when riding on public streets and trails. The first component of this multi-phased project that will be implemented is the deployment of traffic signal video camera detection technology at various Town-owned and operated signalized intersections.

Project Features

Video detection cameras are commonly used at signalized intersections to detect the presence of motor vehicles. What is unique about the camera systems included in this project is their ability to effectively detect and differentiate between bicycles and motor vehicles. The cameras will ensure consistent detection of bicyclists while also providing the necessary “green” time to travel through and clear the signalized intersection. A companion component to these camera systems is a proprietary LED-illuminated bicycle indicator that will be side-mounted to the signal pole adjacent to the pedestrian push buttons. When a bicycle has been detected by the camera, the indicator will illuminate to alert the waiting bicyclist. This messaging will provide confirmation and assurance to the bicyclist that they will receive the green light regardless of the presence of other motorized vehicles.

Locations

This will be the first of several phases of camera system installations. The first phase includes intersections of Diablo Road/Green Valley Road, Diablo Road/El Cerro Blvd., Diablo Road/Camino Tassajara, Danville Blvd./El Cerro Blvd., Hartz Ave./Railroad Ave., and San Ramon Valley Blvd./Hartz Ave./Railroad Ave., Sycamore Valley/Brookside Drive.



STAFF CONTACT

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