

# Case Study

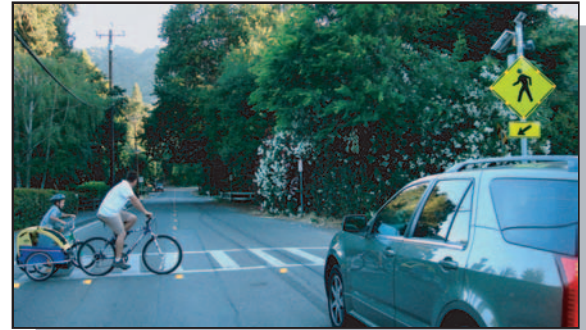
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## Danville Iron Horse Bike and Pedestrian Trail Crosswalk

### Problem

Visit the serene Iron Horse Bike and Pedestrian Trail any given morning and you will find joggers, cyclists and moms with strollers cruising along in the shadows of California's San Ramon Valley. Most of the trail remains wooded and secluded, but occasionally it crosses suburban roadways at mid-block crosswalks, as it does at Del Amigo Road. According to Nazarin Shakerin, one of Danville's traffic engineers, that two lane road handles over 4,000 cars per day, while the trail logs over 1,100 pedestrians per day. With such high numbers, motor traffic and pedestrians were constantly coming into conflict.

The non-pedestrian users created an extra challenge for crosswalk safety. While walkers will use a traditional push button to activate a crosswalk warning system, joggers and cyclists are less likely to do so. "We needed something where the pedestrians were detected automatically to account for those who did not push the button. Spot Devices had several options available to help counteract this," said Shakerin.



### Solution

In Road Warning Lights (IRWLs) are durable lights that are installed in the roadway along the edges of a crosswalk. When activated, they shine bright flashing lights in the direction of oncoming traffic. Spot Devices teamed up with the Town of Danville, evaluated the intersection and installed IRWLs and LED crosswalk warning signs activated by both a pushbutton and a microwave-based passive detection system. "The pedestrians are detected and the lights are automatically triggered every time a pedestrian or cyclist approaches the crossing," said Thomas Burnham, Vice President of Services for Spot Devices.

### Results

Shakerin was completely satisfied with the results. "We are no longer at the mercy of those who don't push the button," she said. "For this situation, passive activation was certainly the correct choice." Shakerin adds that the response in Danville has been nothing but positive. "People feel more secure at this trail crossing and that is because they have been provided with a safer crossing." She is also quick to point out that "Spot Devices has been absolutely wonderful to work with."

By closely working with Spot Devices, the Town of Danville helped to ensure that those enjoying the Iron Horse Trail will now "arrive safely."



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*Arrive Safely*