Redwood City, CA
Hudson Bicycle & Pedestrian Improvement

PROJECT OWNER:
City of Redwood City

PROJECT DATE(S):
2014 - 2016

TJKM CLIENT REFERENCE:
Christian Hammack
City of Redwood City
1017 Middlefield Road
Redwood City, CA 94063
(650) 780-7378
chammack@redwoodcity.org

TJKM FEE:
$176K

PROJECT DESCRIPTION:

As the only truly continuous north-south roadway through Redwood City west of El Camino Real, Hudson Street is a potentially desirable route for bicyclists and pedestrians, but also attracts relatively high vehicle traffic volumes. According to historic count data, daily traffic volumes along most of Hudson Street vary from approximately 6,000 to nearly 10,000 vehicles per day, with the higher end of the volume range occurring south of Jefferson Avenue. The roadway widths of 30 or 40 feet with curbside parking allowed on some segments, combined with the high traffic volumes, present significant design challenges for bicycle and pedestrian improvements.

TJKM addressed these design constraints by developing improvements, such as traffic circles, curb bulb-outs, raised islands, landscaping, and peak hour bicycle lanes, which provided an optimal balance among roadway width for bicyclists, reduced crossing distance for pedestrians, and safe accommodation of vehicle traffic. Rapid rectangular flashing beacon signs, pedestrian push button, bicycle detection, and traffic signal modifications along the corridor were also designed as part of the project.

TJKM prepared exhibits and conducted two public workshops to receive input from the surrounding neighborhoods on the concepts developed. Alternatives were then refined and design plans of the pedestrian and bicycle improvements were prepared.