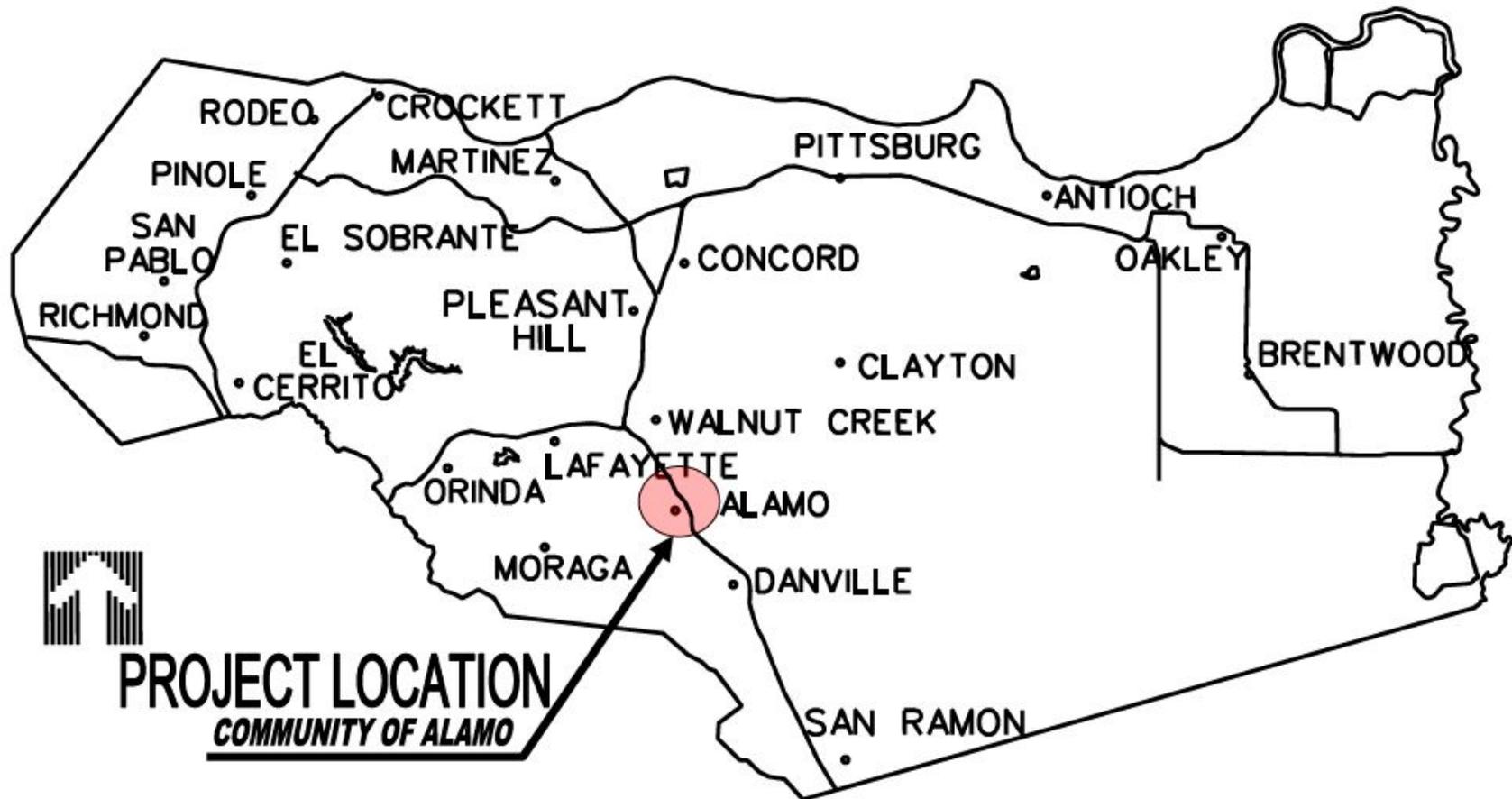


Danville Boulevard / Orchard Court Complete Streets Project

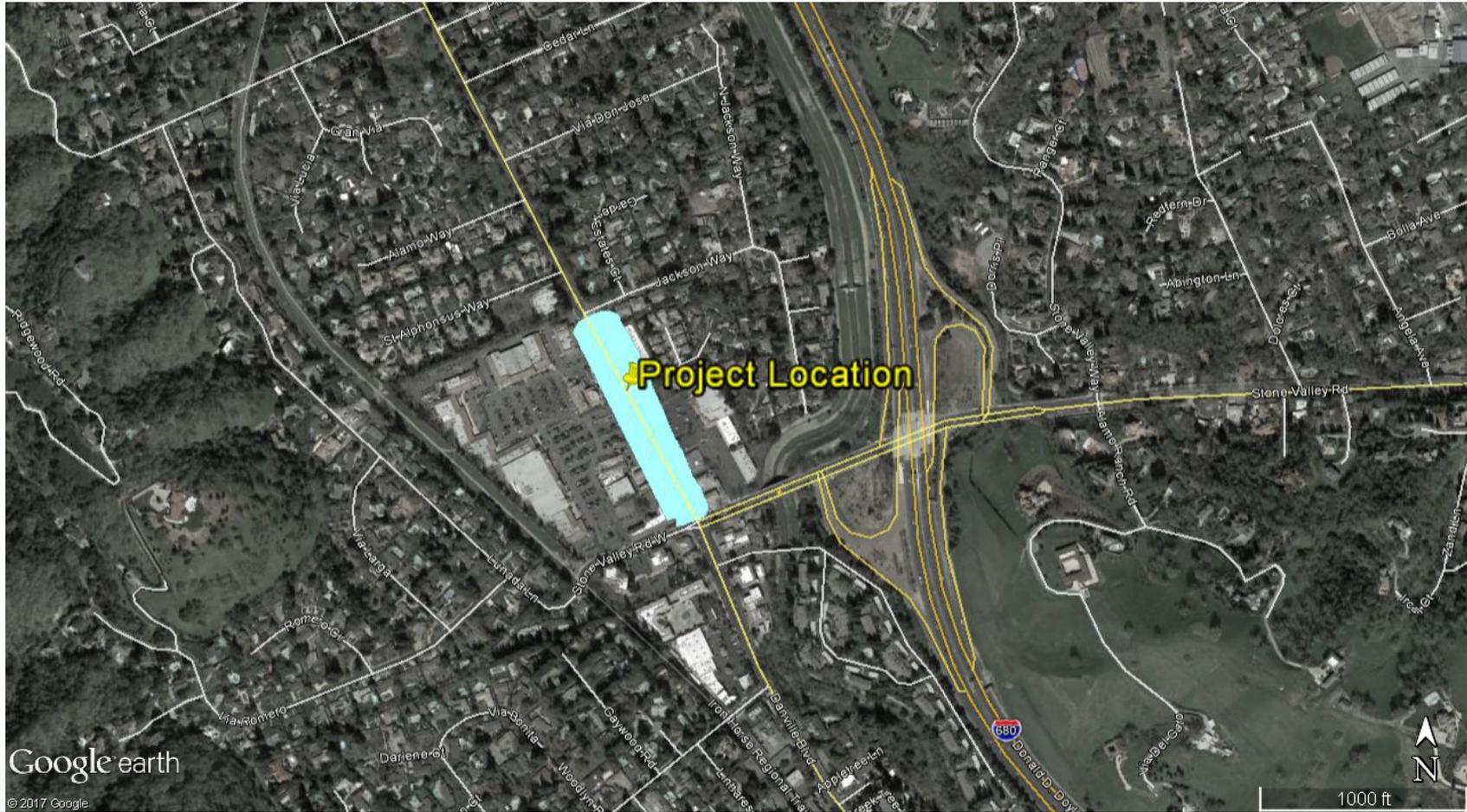
Michelle Cordis, Associate Civil Engineer
Contra Costa County Public Works Department

Air Quality Conformity Task Force Meeting
June 22, 2017

Project Location



Project Location



Project Purpose & Need

The purpose of the project is to:

- Install a roundabout at the Danville Blvd and Orchard Ct Intersection
- Install complete streets improvements along Danville Blvd between Jackson Way and Stone Valley Rd

The project is needed to:

- Improve safety through corridor for all users
- Improve sidewalks to meet ADA requirements
- Reduce conflicts at the intersection
- Encourage active modes of transportation and local business growth

Project Background

- Located in downtown Alamo
- Shopping centers on both sides of Danville Blvd at project site
- Over 10 years of community support (through Alamo MAC)
- Numerous mature oak trees, “Boulevard of Trees,” have made the sidewalks uneven
- Existing intersection is side street stop controlled
- Danville Blvd is one of the County’s top 20 corridors with the highest number of bicycle and/or pedestrian collisions between 2010 and 2014



Example of tripping hazards on sidewalk caused by existing trees
(Sidewalk to be reconstructed to preserve trees and meet ADA requirements)

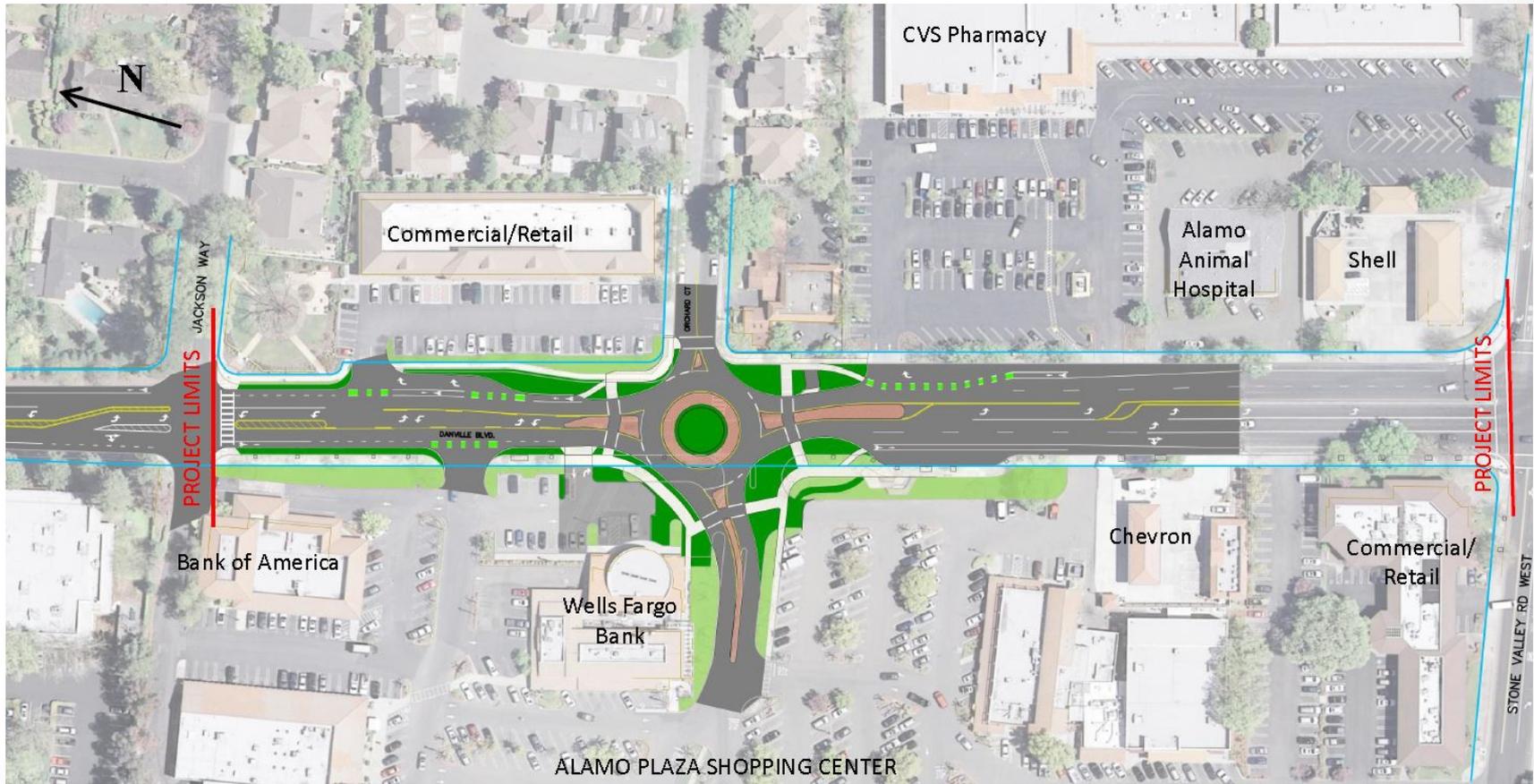
Project Components

- Reconstruct sidewalks
- New curb extensions, curb ramps, and entry medians
- Modification of storm drain, utilities, landscaping, signage
- Slurry seal
- Restriping
- Right of way acquisition



Intersection of Danville Boulevard and Orchard Court with view from Alamo Plaza
(Western entry to future roundabout)

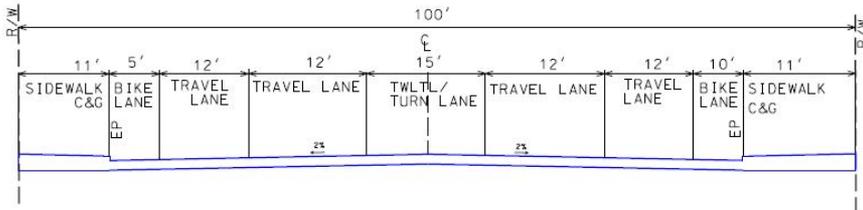
Proposed Layout



Cross Sections

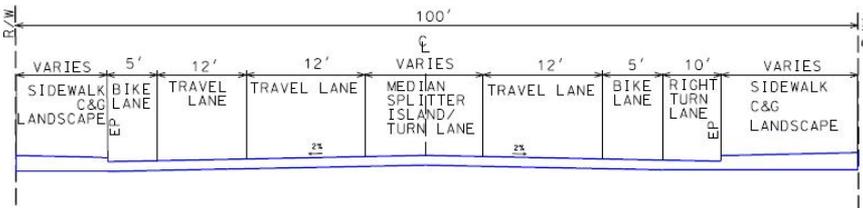
SOUTH OF ORCHARD CT (FACING NORTH)

TYPICAL CROSS SECTION



EXISTING

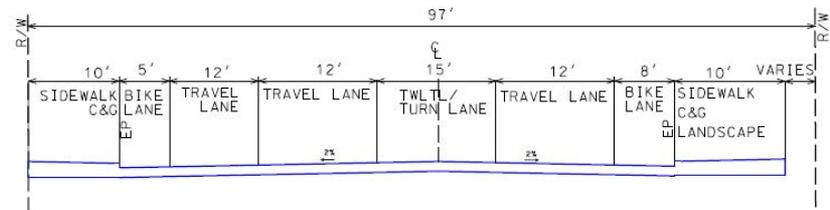
TYPICAL CROSS SECTION
APPROACHING ROUNDABOUT



PROPOSED

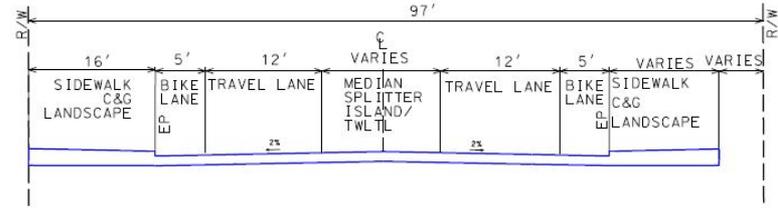
NORTH OF ORCHARD CT (FACING NORTH)

TYPICAL CROSS SECTION



EXISTING

TYPICAL CROSS SECTION
APPROACHING ROUNDABOUT



PROPOSED

Traffic Impact

- Opening Year (2020)

	LOS (AM/PM)	AADT	Truck AADT
Build	B / B	18,260	365
No Build	A / F	18,260	365

- Design Year (2040)

	LOS (AM/PM)	AADT	Truck AADT
Build	B / C	19,000	380
No Build	A / F	19,000	380

- Based on 2013 counts. Truck counts taken during peak hour were less than 2%. Truck percentage is not expected to change with project.

Not a Project of Air Quality Concern

- Project benefits
 - Reduce vehicle speed through roundabout
 - Minimize conflict points
 - Improve pedestrian crossings
 - Improve LOS F to LOS C
 - Will not generate additional traffic volumes or change number of diesel vehicles in traffic in project area
 - Reduce vehicle emissions

Questions?