

Napa Valley Forward

SR-29 Intersection Improvements at Rutherford Rd. and Oakville Cross Rd.





Lead Agency



Partnering Agency



Consultants



Project Overview

Napa Valley Transportation Authority is working with the **Metropolitan Transportation Commission** on multi-modal safety and operational improvements on SR-29 Oakville and Rutherford.

SR-29 is the only contiguous north-south route that connects Napa to the adjacent counties of Lake and Solano. It is a critical evacuation route during wildfires and other emergencies.



Project Overview

Objective

1. Operational improvements on SR-29
2. Intersection improvements at two key locations
3. Safety improvements for all modes



Project Overview

Background

Sep 2021: Held a public outreach session

Jun 2024: Preliminary Engineering
and Environmental Clearance

Jun 2024: Caltrans formal approval of the project



Project Overview

What's next:

- Preparation of Final Design and Caltrans Approval
- Advertise project for construction
- Construction completion of the **traffic signal at Rutherford Road in Winter 2025**
- Construction completion of the **roundabout at Oakville Cross Road to be determined** (funding dependent)



Project Overview

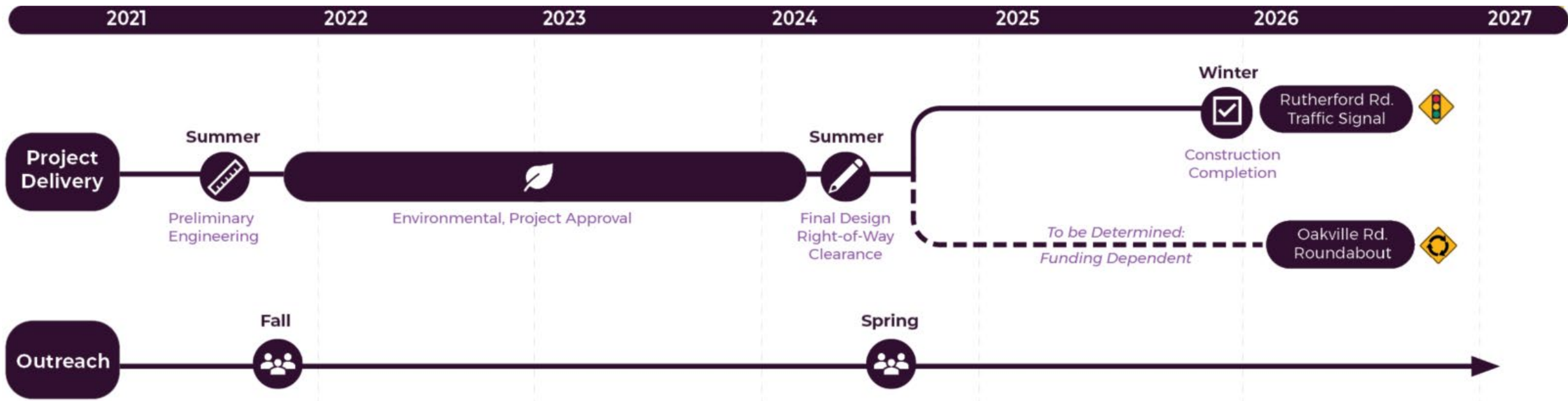
Proposed Improvements



SR-29 and Oakville Cross Road
Roundabout

SR-29 and Rutherford Road
Signalization and safety enhancements

Project Overview





SR-29 and Rutherford Road

Rutherford

Existing Conditions



Rutherford Fire Dept.


Napa Valley Wine Train Tracks


SR-29

Rutherford Grill Parking

Rutherford Rd.


Rutherford Grill

 No traffic controls (stop signs) on SR-29
Unprotected left-turn movements
No marked crosswalks for pedestrian and bicyclist crossing
Bus stop located on northbound and southbound SR-29 shoulder
Railroad crossing control is by stop sign
Railroad crossing is at the intersection
Narrow State Highway right-of-way
State Highway is constrained by railroad and existing developments

 Traffic Signal is the preferred alternative for this intersection



Traffic Signal Control Rendering

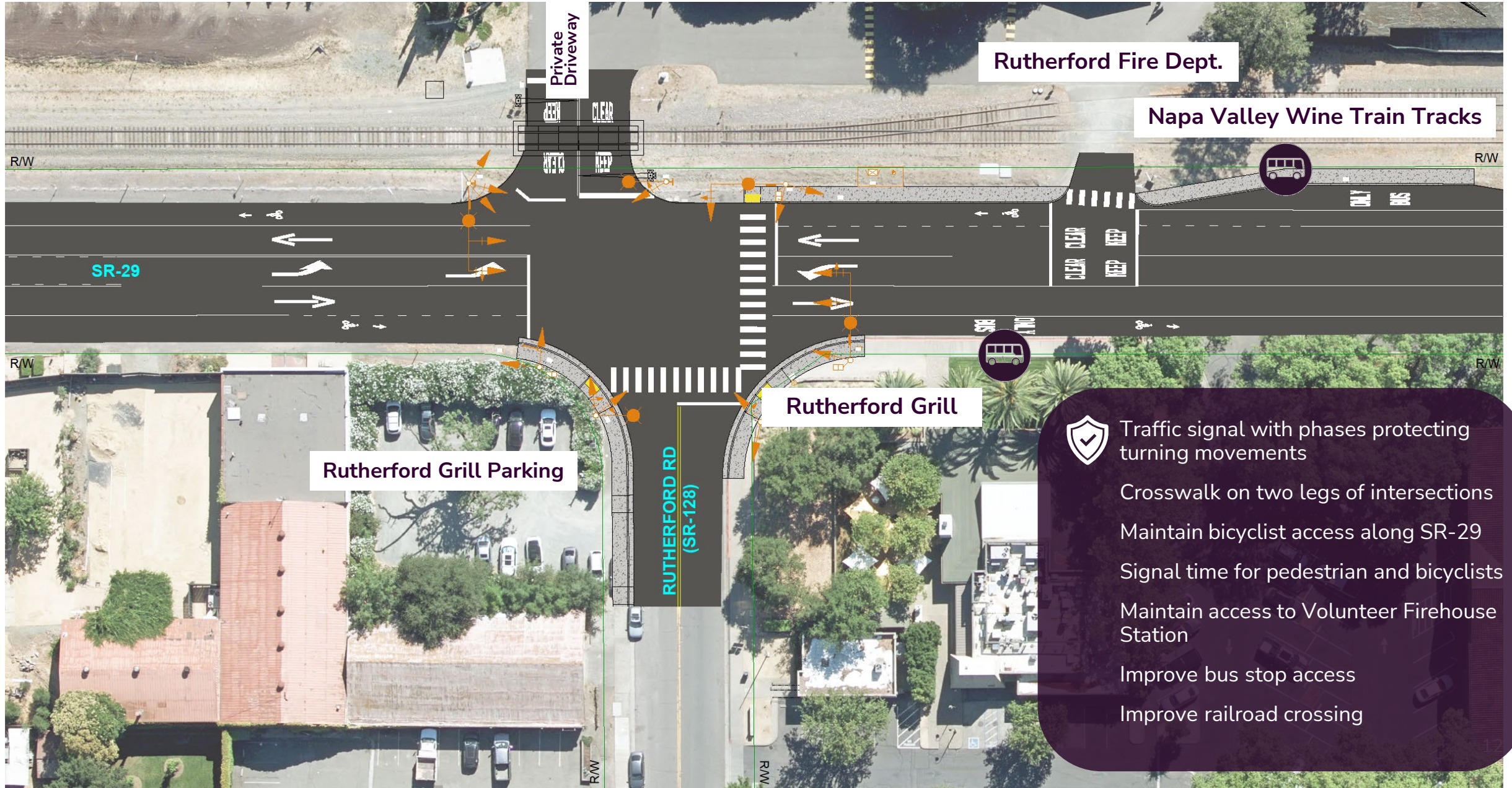
 Traffic signal improves safety by protected vehicular and pedestrian movement


Traffic signal construction fits within existing public right-of-way

Roundabout has a greater impact to the adjacent private properties

Rutherford

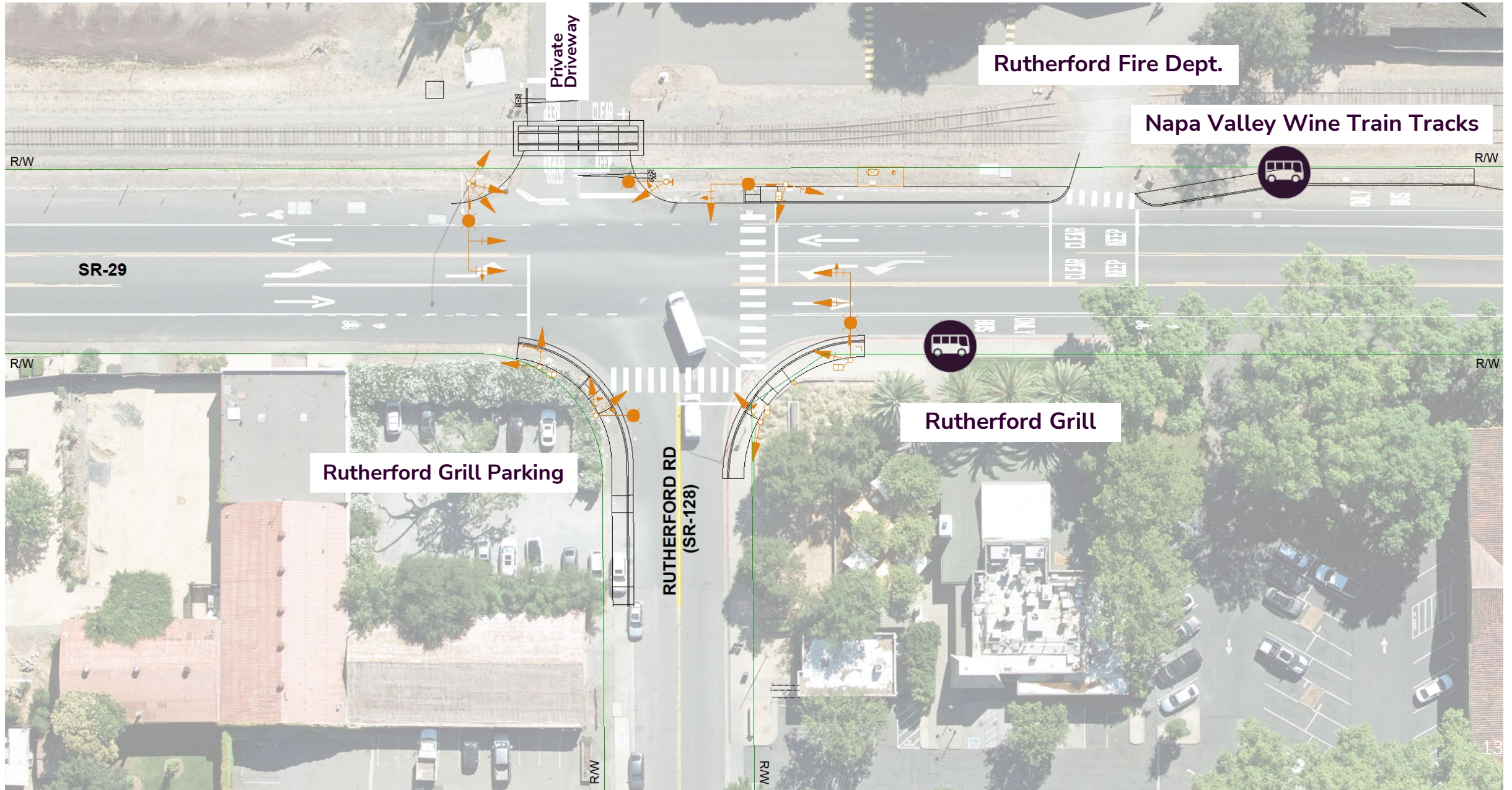
Proposed Project: Traffic Signal



-  Traffic signal with phases protecting turning movements
- Crosswalk on two legs of intersections
- Maintain bicyclist access along SR-29
- Signal time for pedestrian and bicyclists
- Maintain access to Volunteer Firehouse Station
- Improve bus stop access
- Improve railroad crossing

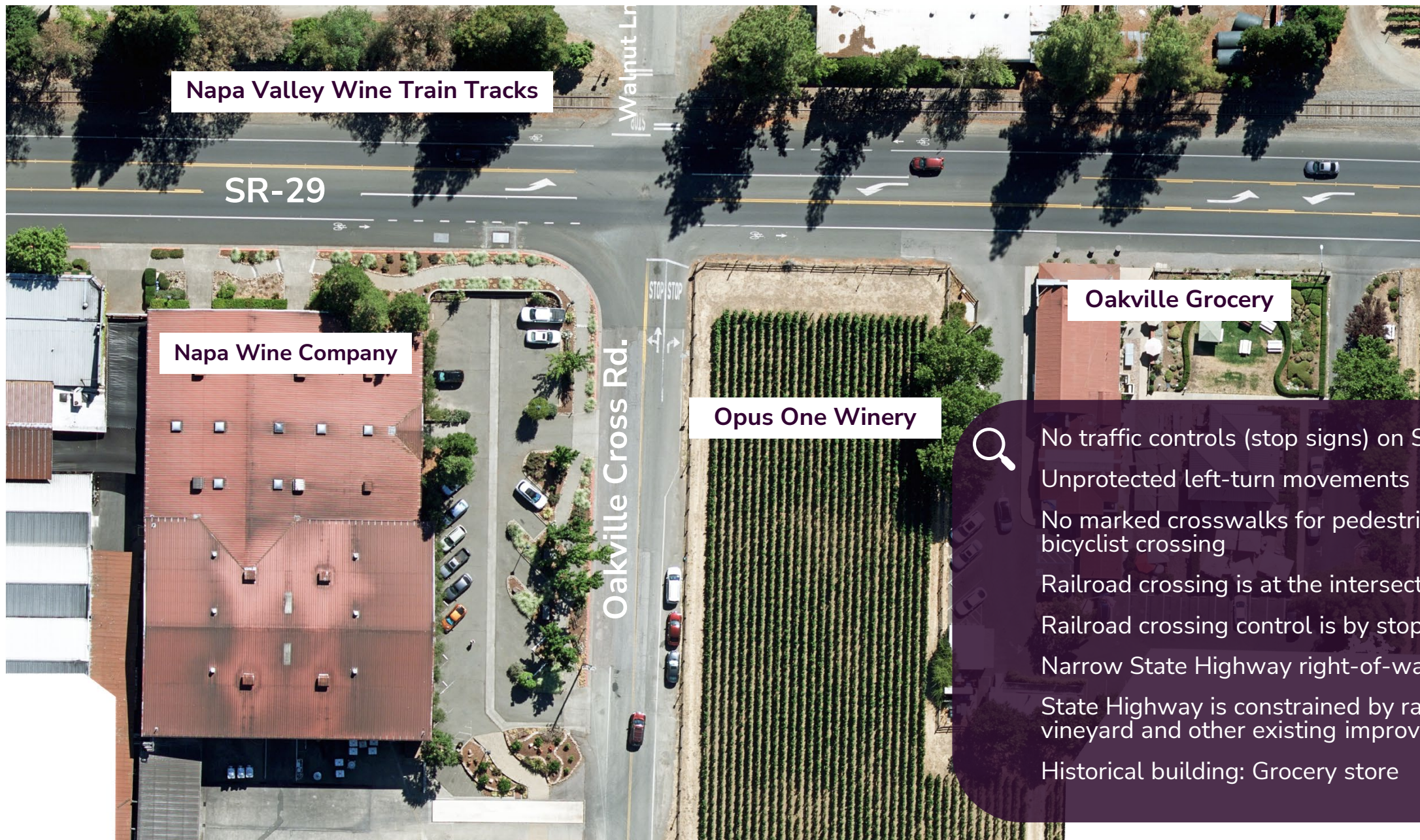
Rutherford

Proposed Project: Traffic Signal





SR-29 and Oakville Cross Road



Napa Valley Wine Train Tracks

SR-29

Napa Wine Company

Oakville Cross Rd.

Opus One Winery

Oakville Grocery



- No traffic controls (stop signs) on SR-29
- Unprotected left-turn movements
- No marked crosswalks for pedestrian and bicyclist crossing
- Railroad crossing is at the intersection
- Railroad crossing control is by stop sign
- Narrow State Highway right-of-way
- State Highway is constrained by railroad, vineyard and other existing improvements
- Historical building: Grocery store



Roundabout is the preferred alternative for this intersection

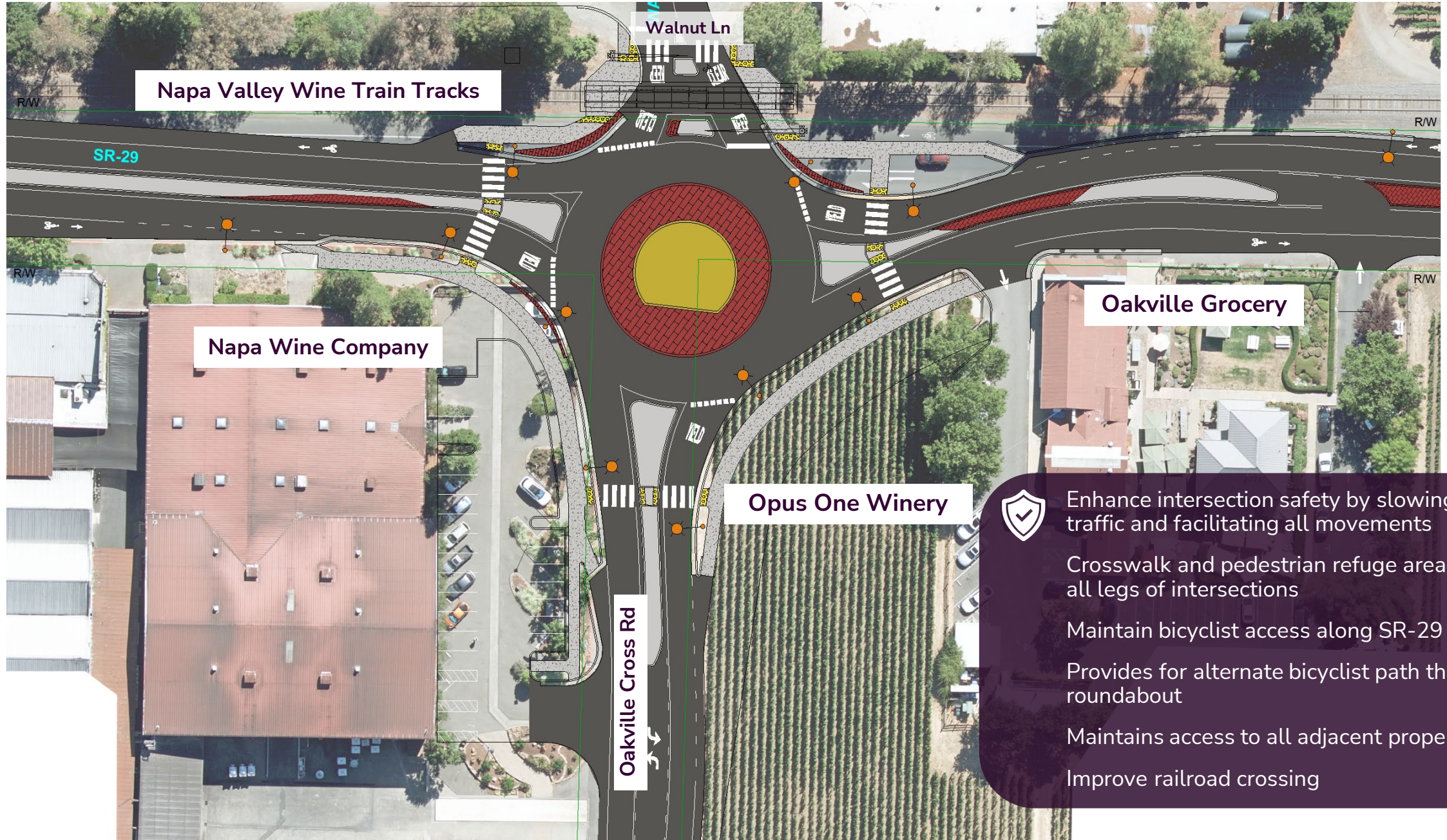



Roundabout provides traffic operations that improves safety while also reducing congestion

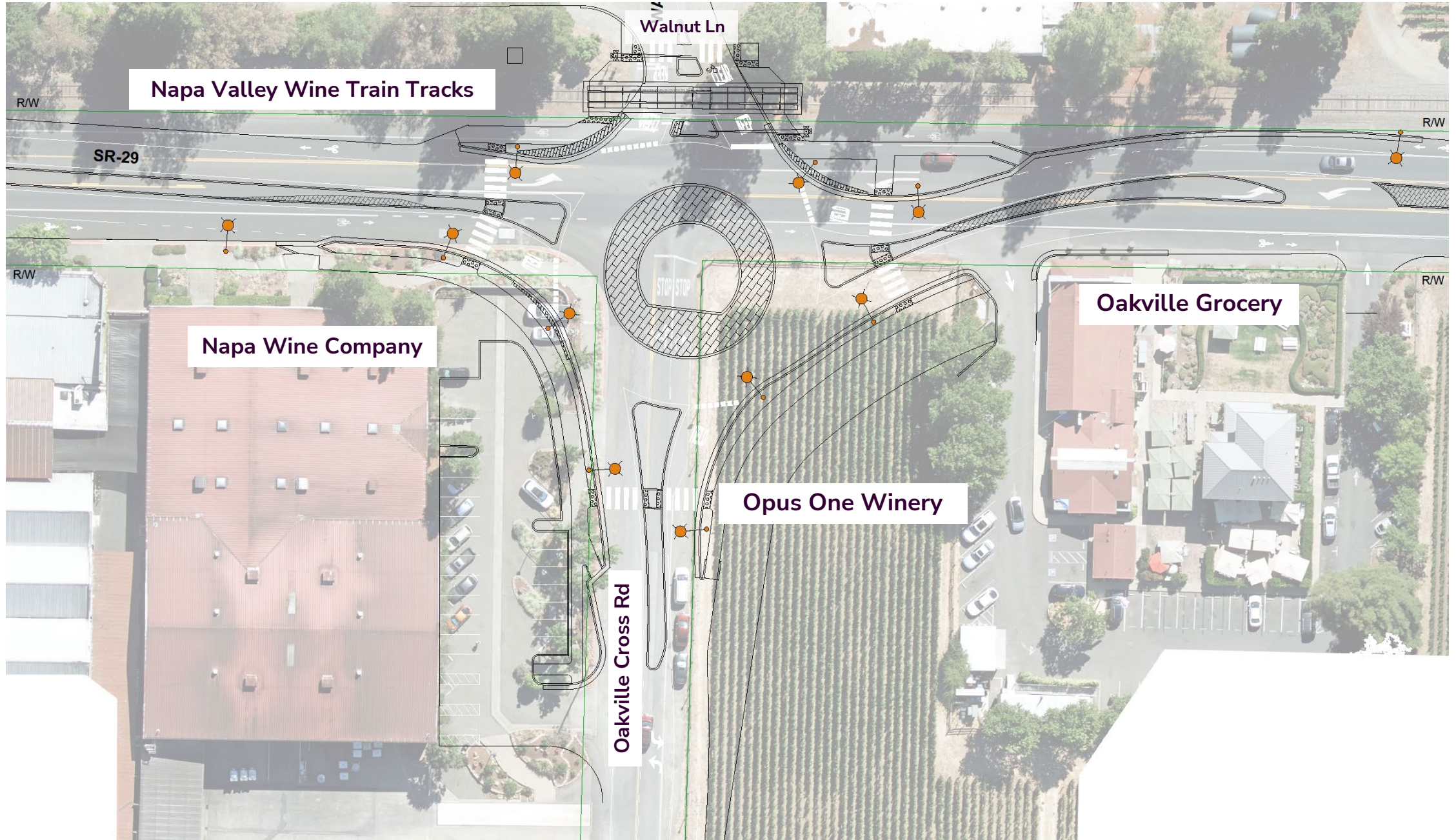
Roundabout improves access for bicyclists and pedestrians

Adjacent property owners are supportive of roundabout at Oakville

Roundabout Rendering



-  Enhance intersection safety by slowing traffic and facilitating all movements
- Crosswalk and pedestrian refuge areas on all legs of intersections
- Maintain bicyclist access along SR-29
- Provides for alternate bicyclist path through roundabout
- Maintains access to all adjacent properties
- Improve railroad crossing



Contact



Pamela Kwan



pkwan@bayareametro.gov



(415) 778-5378



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Danielle Schmitz



dschmitz@nvta.ca.gov



(707) 259-5968



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