

St. Mary's Road - Rheem Boulevard Roundabout

PROJECT # 24014

In 2007, the community residents expressed concern of the safety of two intersections with St. Mary's Road - Rheem Boulevard and Bollinger Canyon Road - which are within 500 feet of each other. The safety issues expressed are related to the S-curve located between these two intersections, the change in grade, and sight distance. Following extensive analysis and public input, the Town Council approved in 2010, the construction of a roundabout at the intersection of St. Mary's Road and Rheem Boulevard.

Did You Know?

The National Cooperative Highway Research Program published "Roundabouts in the United States" in 2007 and found that conversions of an intersection from a side-street stop controlled intersection to a roundabout had a 44% reduction in all crashes and an 81% reduction in injury crashes based on a study of 36 intersections.



Scope

Based on the analysis of sight distance, Level of Service and queuing under existing and cumulative conditions, the Town of Moraga will place a roundabout at the St. Mary's Road/Rheem Boulevard intersection. This would provide operational improvement under existing and cumulative traffic volumes, and reduce hazards caused by the existing inadequate sight distance, as all vehicles would slow down to move through the intersection. A roundabout provides additional benefit of reducing vehicle queuing and reducing driver delay. The design will provide flexibility for adding a fourth leg to the roundabout with a future realignment of Bollinger Canyon Road. Potential conflicts with pedestrians and bicycles will be reduced with the roundabout by allowing pedestrians to only need to cross one lane of traffic at a time, while having the ability to wait in the refuge island until there is a break in traffic. Bicyclists traveling through the roundabout will also benefit by allowing them to take up the travel lane as bicyclists will be traveling near the speed of the vehicles (since roundabouts are designed to be traveled at 20 mph). Other potential pedestrian safety improvements to take pedestrians off of the roadway is a pedestrian path from Bollinger Canyon Road to a new crossing at the roundabout at Rheem Boulevard.

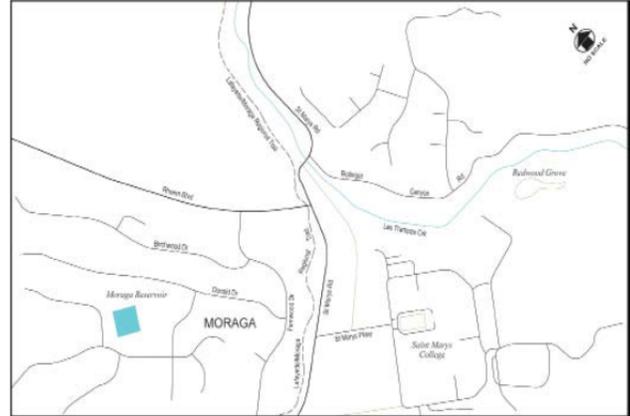
Status

- Project is seeking funding for construction.

Issues/Areas of Concern

- None.

Location



Schedule

	<i>Dates</i>
Preliminary Studies/Planning	Complete
Environmental Clearance	2019-2020
Design	2019-2021
Right of Way and Utilities	2020-2021
Construction	2021-2022
Landscaping	—

Funding by Source (\$ 000s)

	<i>Amount</i>
Measure J	\$464
TBD	5,585
Total	\$6,049