

MAKING ROUNDABOUTS AND TRAFFIC SIGNALS WORK TOGETHER

Westfield Galleria at Roseville - Roseville, CA (a 1.6 million S.F. Regional Mall)

BEFORE



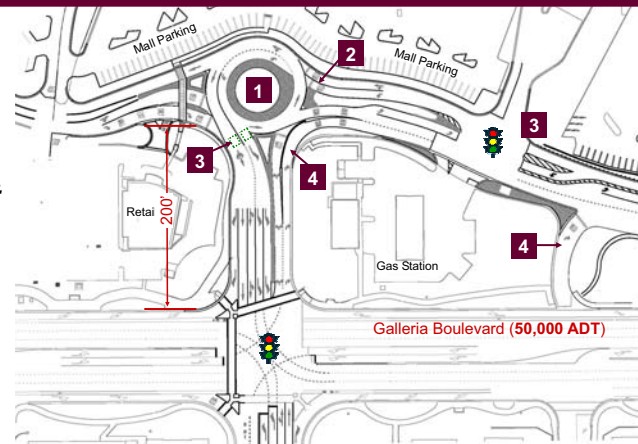
The Problem:

- On-site queuing created **gridlock conditions**.
- Severe parking area exiting congestion resulted in **911 calls to the police for help!**
- Sequential **left turns exacerbate circulation issues**.
- **Lack of storage for exiting vehicles** approaching major thoroughfare.

SOLUTION

A "Modern" Roundabout

Designed to operate with a closely spaced signalized intersection



Unique Design Attributes:

- 1 Compact, multi-lane roundabout, **fits within limited available right-of-way**.
- 2 Dual left turns **accommodate heavy outbound traffic flows**.
- 3 On-site traffic signal **responds to peak holiday queuing at "signalized intersection"** backing into the roundabout using downstream vehicle queuing detectors.
- 4 By pass lanes **maintain continuous traffic flow** into the site.

AFTER

The Results:

- In operation since 2007
- Carries approximately 20,000 Daily Trips
- No accidents have been reported to the City of Roseville Police Department
- Queue detector activates signal about 3-times per year
- Greatly improves holiday season on-site circulation (**no 911 calls!**)

