Tab 13

SAN JOAQUIN COUNTY

Greatness grows here.

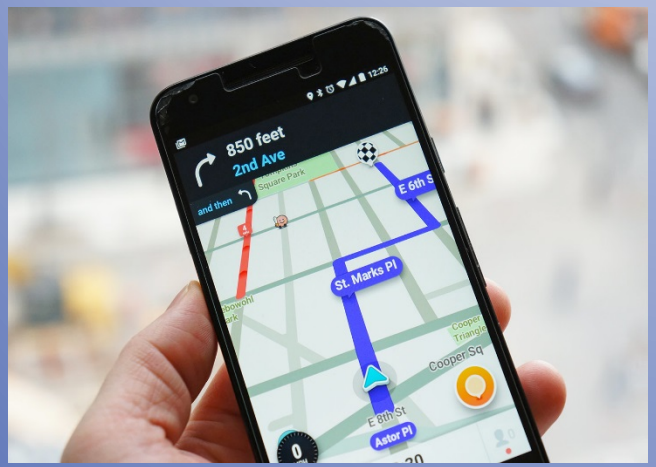
Necessity's *Other* Offspring →

Recent Innovation – San Joaquin County

- **Intelligent Modular (Temporary) Roundabout**

  for the McHenry Avenue Corridor Improvements Project

- **WAZE Road Closure Information Sharing**



McHenry Ave Corridor Improvements

Project Overview

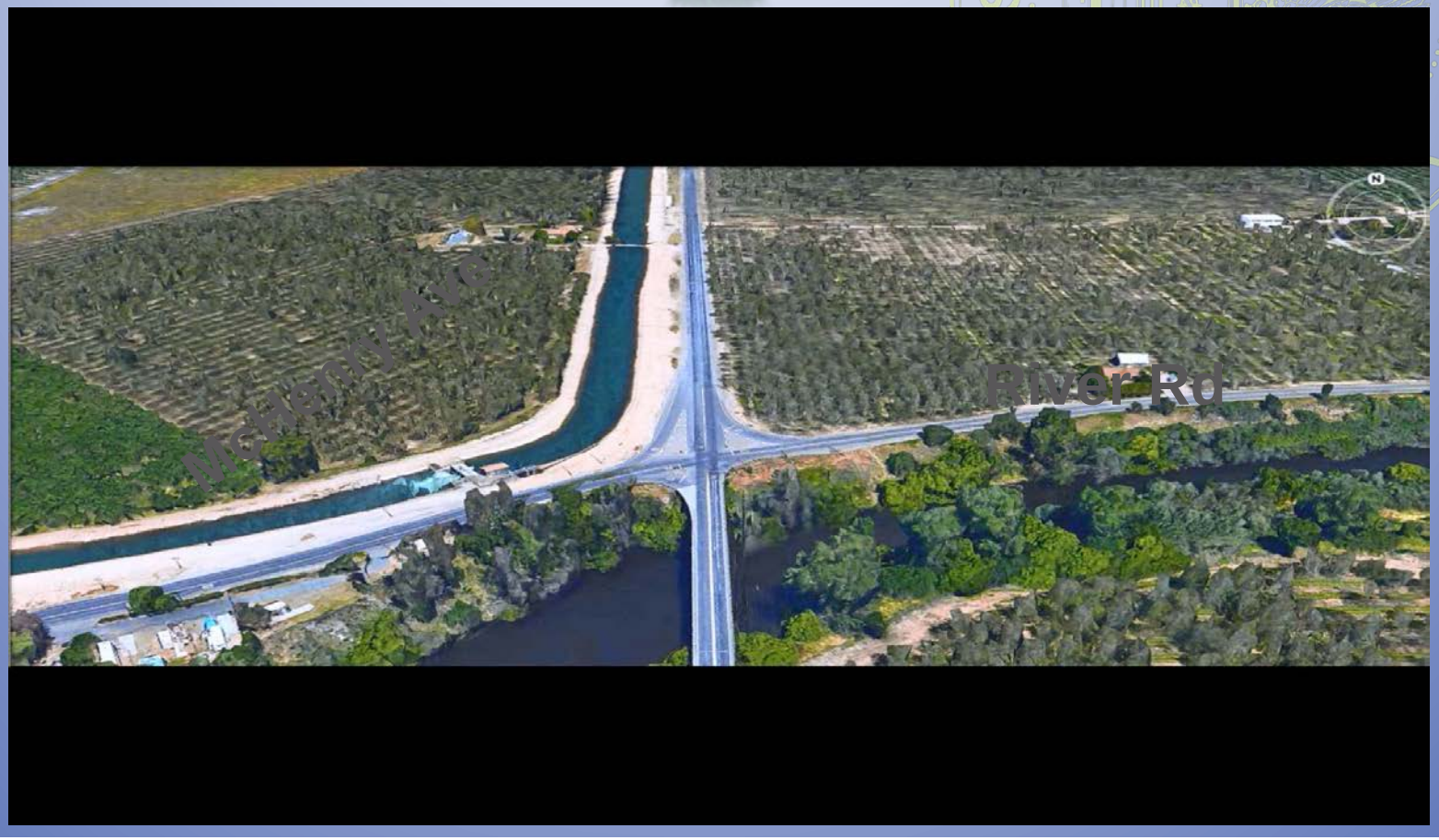
- Choke Point – Only one 1 of 3 river crossings
- Traffic Congestion up to 20 minutes
- Three Season Construction Project

Replace Two Bridges

Preconstruction Conditions

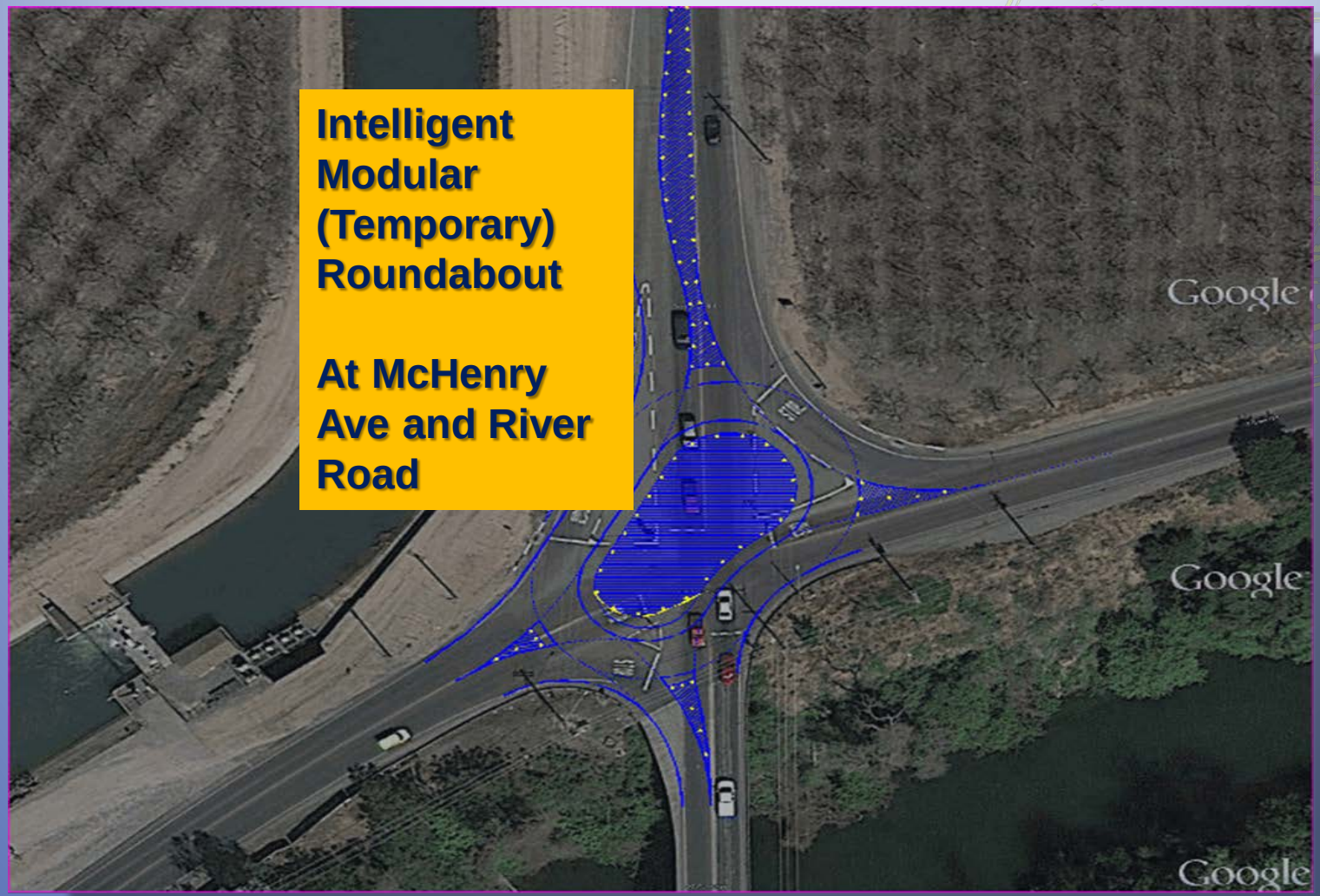
All-Way

Control



Innovation

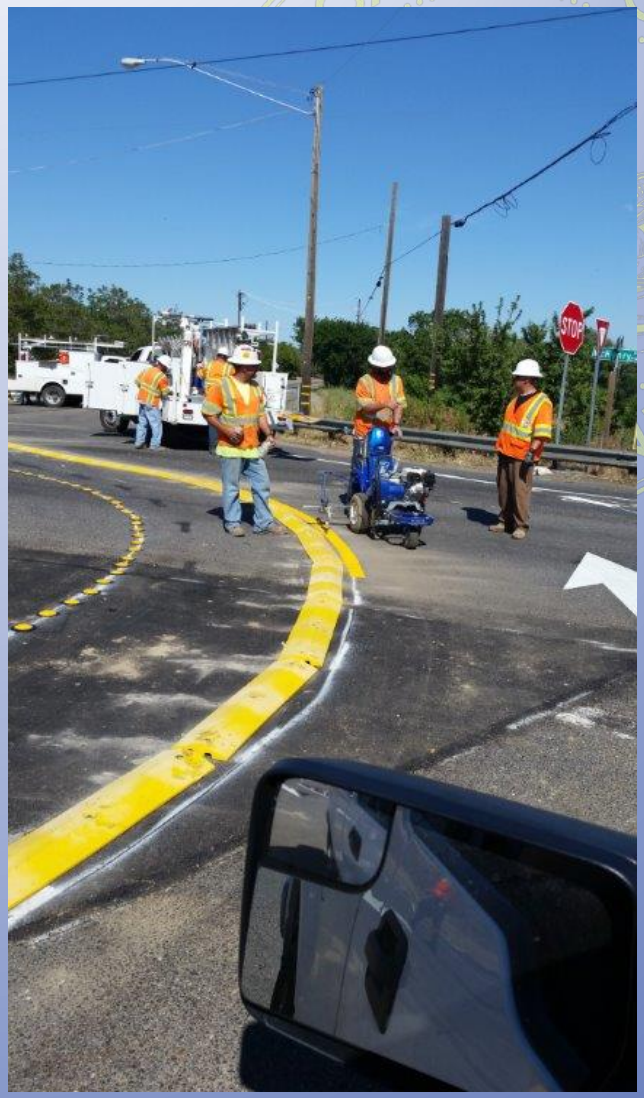
Replace All-Way STOP with Temporary Roundabout



Intelligent Modular (Temporary) Roundabout

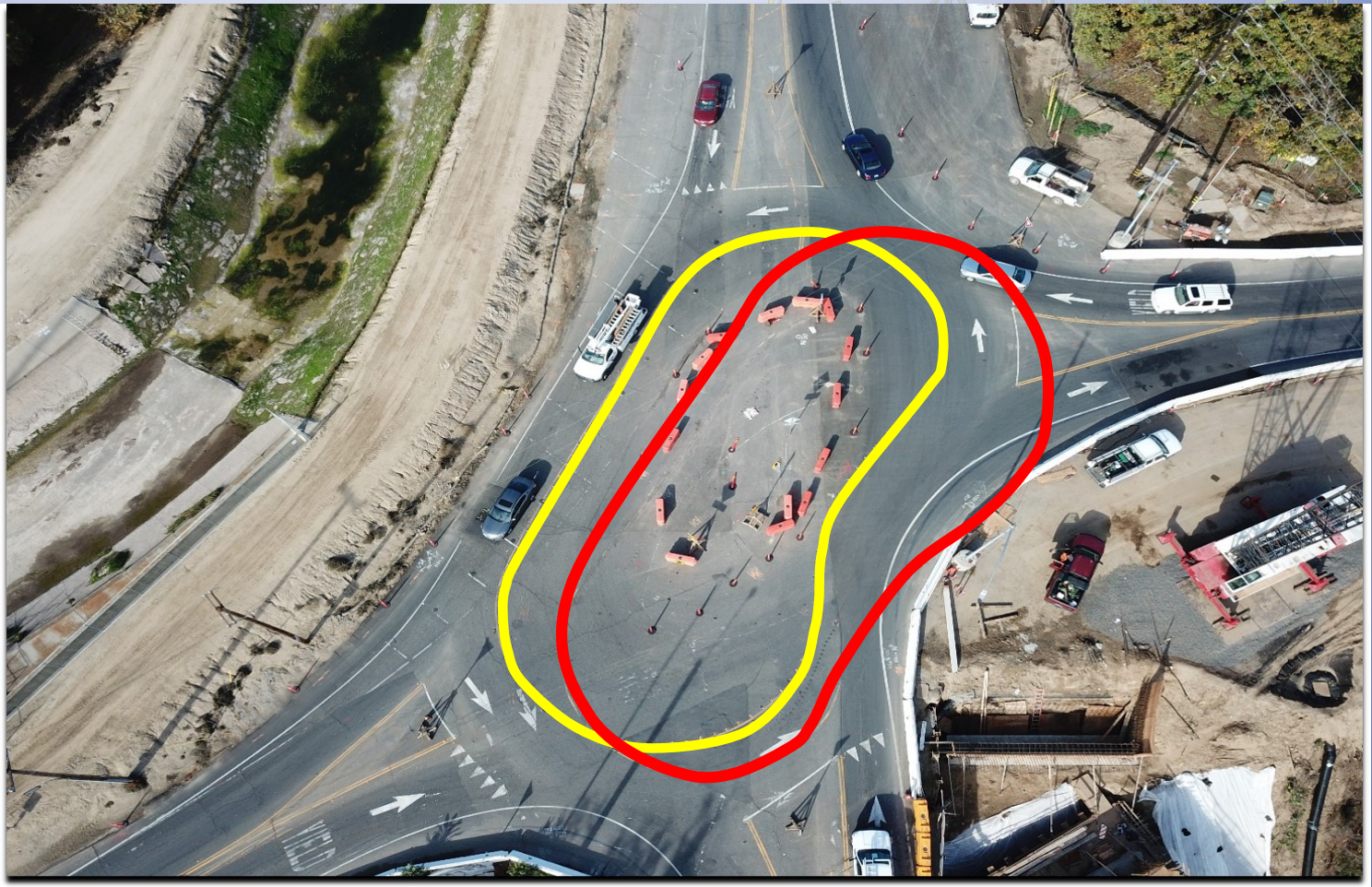
"Bean-a-bout"

Easy to Construct



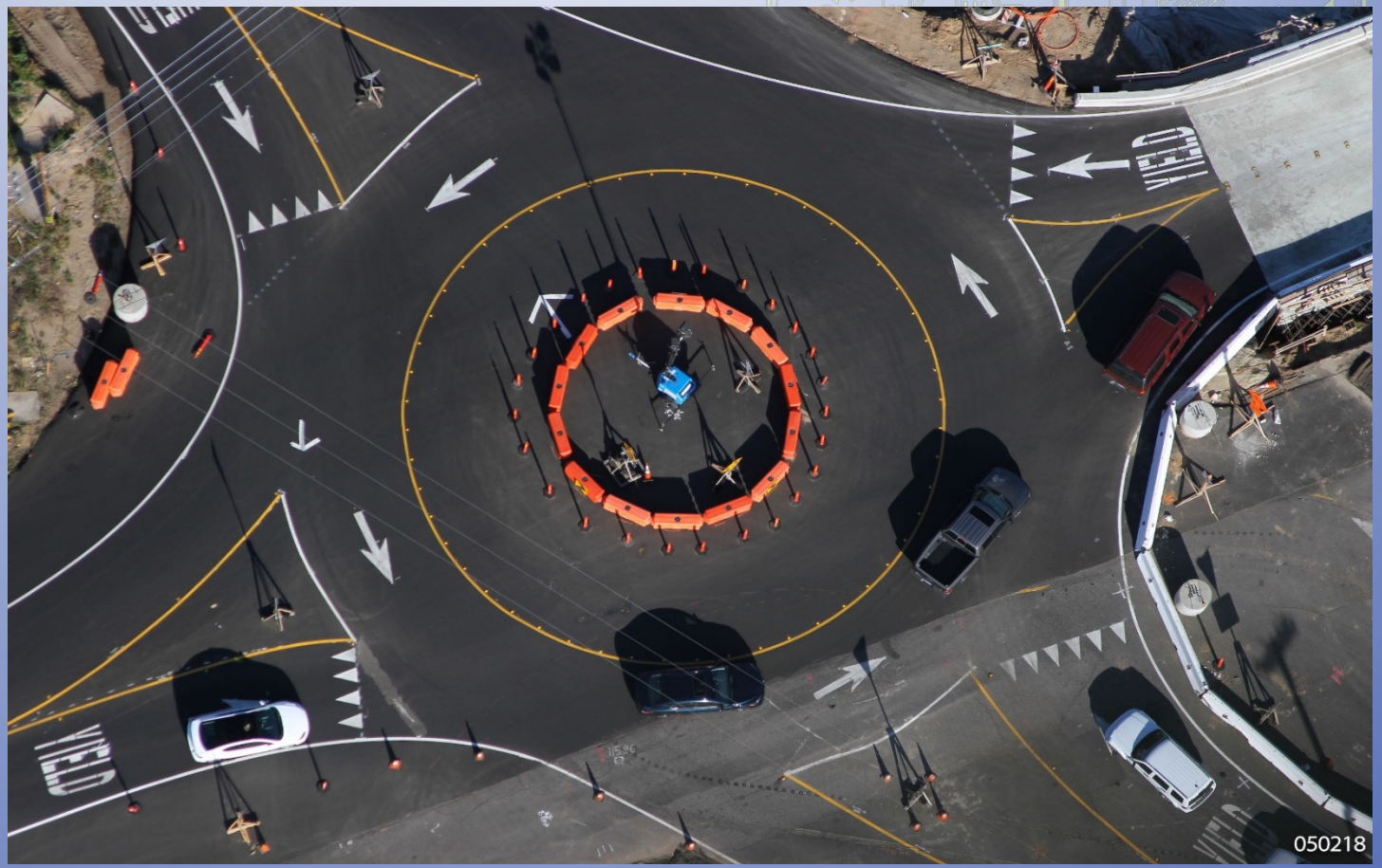
Intelligent Modular Roundabout Version 2.0

September 2017 thru April 2018



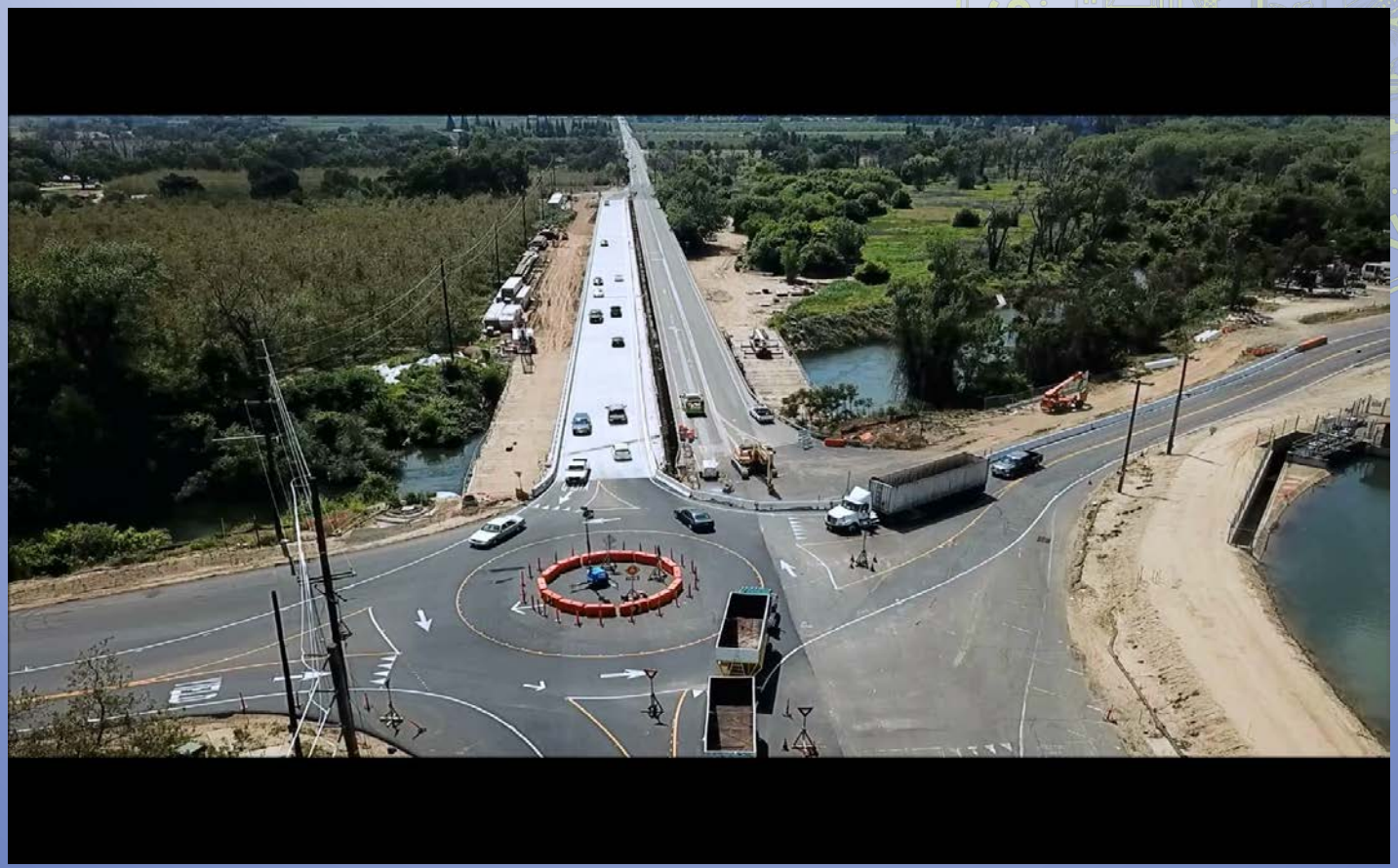
Intelligent Modular Roundabout Version 3.0 "iAbout3.0"

Current Configuration

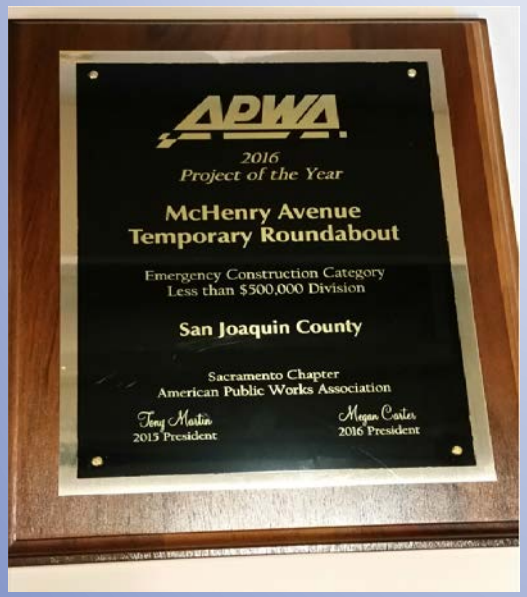


McHenry Avenue and River Road

"iAbout3.0"



Award Winning Project



- APWA 2016 Project of the Year – McHenry Avenue Temporary Roundabout "Emergency Construction Category Less than $500,000 Division".
- California State Association of Counties 2016 Challenge Merit Award for the McHenry Avenue Temporary Roundabout Project, presented 12/13/16

Innovative Public Outreach – Information is Key

- **Travel Time Information – In Real Time**

  Low Cost Speed Alert Display Sign converted to Travel Time Display

- **Video Simulation of Construction Staging**
- **Email & Text Alerts on Construction Impacts**

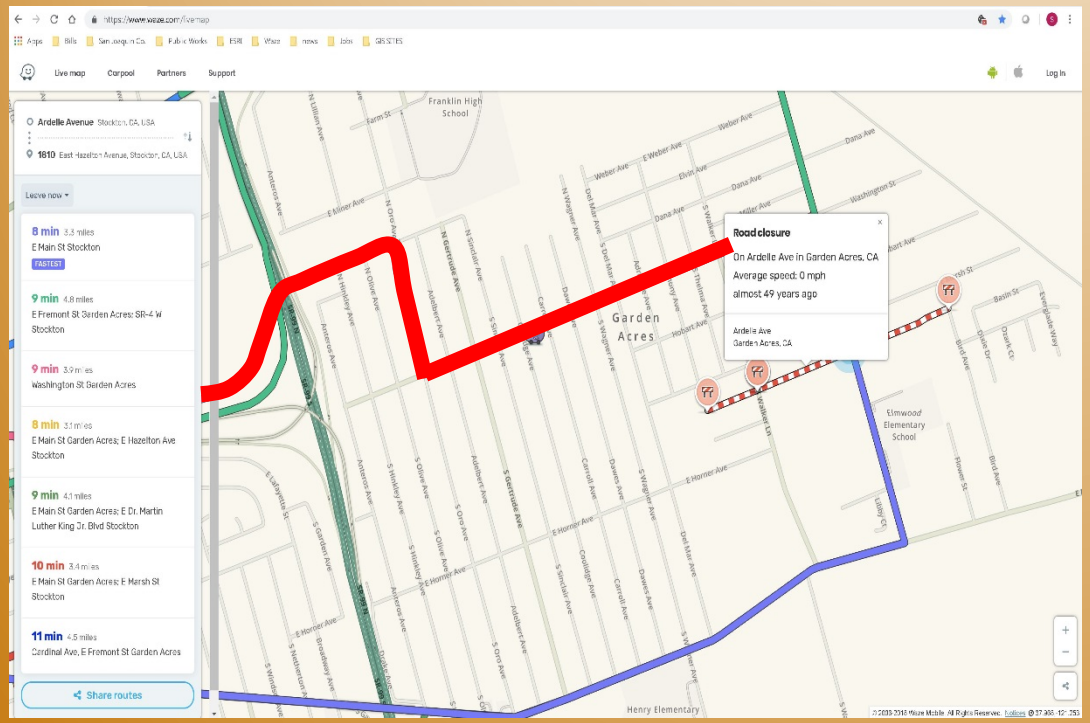
WAZE Information Sharing

Innovations

- Provide Road Closure Information To WAZE Users
  - Updated In Real Time
- County Receives Traffic Data Analytics
  - Used For Future Planning
- Working On Including Truck Information
  - Designated Routes
  - Weight Limits
  - Restricted Roadways

WAZE Information Sharing

- Getting Information To Motorists
- Bonus - Receiving Traffic Data/Analytics



Thank You! Questions?