



Cooperative Agreement with County of Orange for the Antonio Parkway, Avenida de las Banderas, and Avenida Empresa Regional Traffic Signal Synchronization Program Project (RTSSP)

January 14, 2026

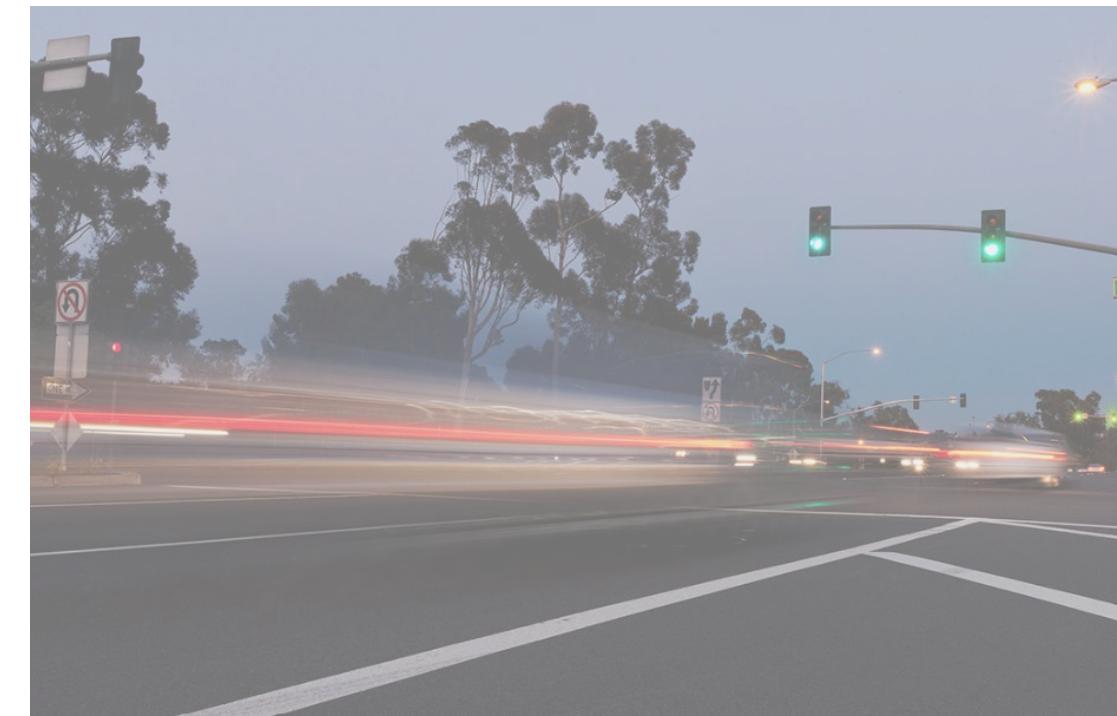




OCTA Measure M2 Regional Traffic Signal Synchronization Program Project (RTSSP)

The Regional Traffic Signal Synchronization Program (Project P)

- OCTA Measure M2 funding program based on a competitive basis
- Funding for the coordination of traffic signals across jurisdictional boundaries
- Includes funding for project based operational and maintenance related items

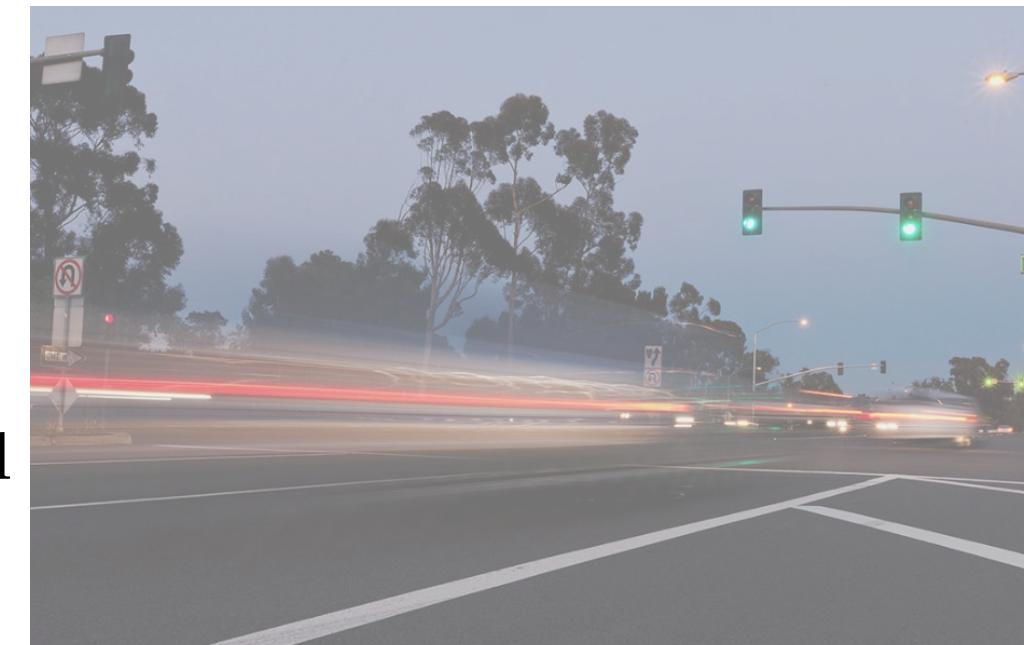




OCTA Measure M2 Regional Traffic Signal Synchronization Program Project (RTSSP)

The Regional Traffic Signal Synchronization Program (Project P)

- May 2024, OCTA approved the Antonio Pkwy Signal Sync Project P grant
- October 2024, City Council approved the Letter Agreement amending Master Funding Agreement No. C-1-2780
- December 2, 2025, the County of Orange Board of Supervisors approved the proposed Cooperative Agreement
- January 14, 2026, RSM City Council approval of proposed cooperative agreement with the County of Orange



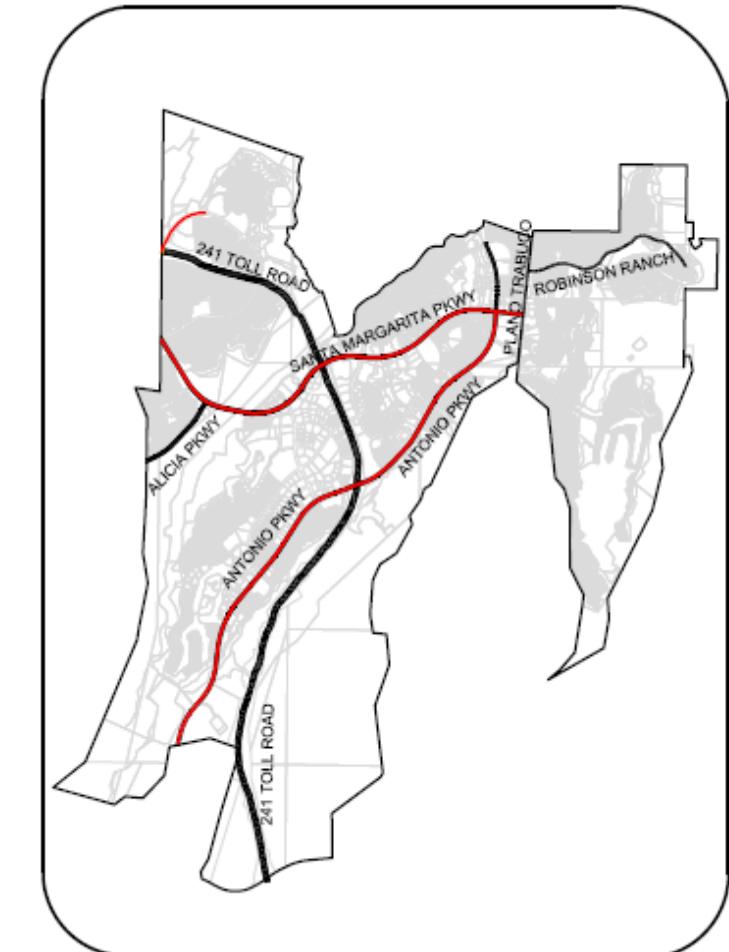


Previous Signal Synchronization Projects (RTSSP)

The Regional Traffic Signal Synchronization Program (Project P)

Traffic Signal Synchronization Projects to date

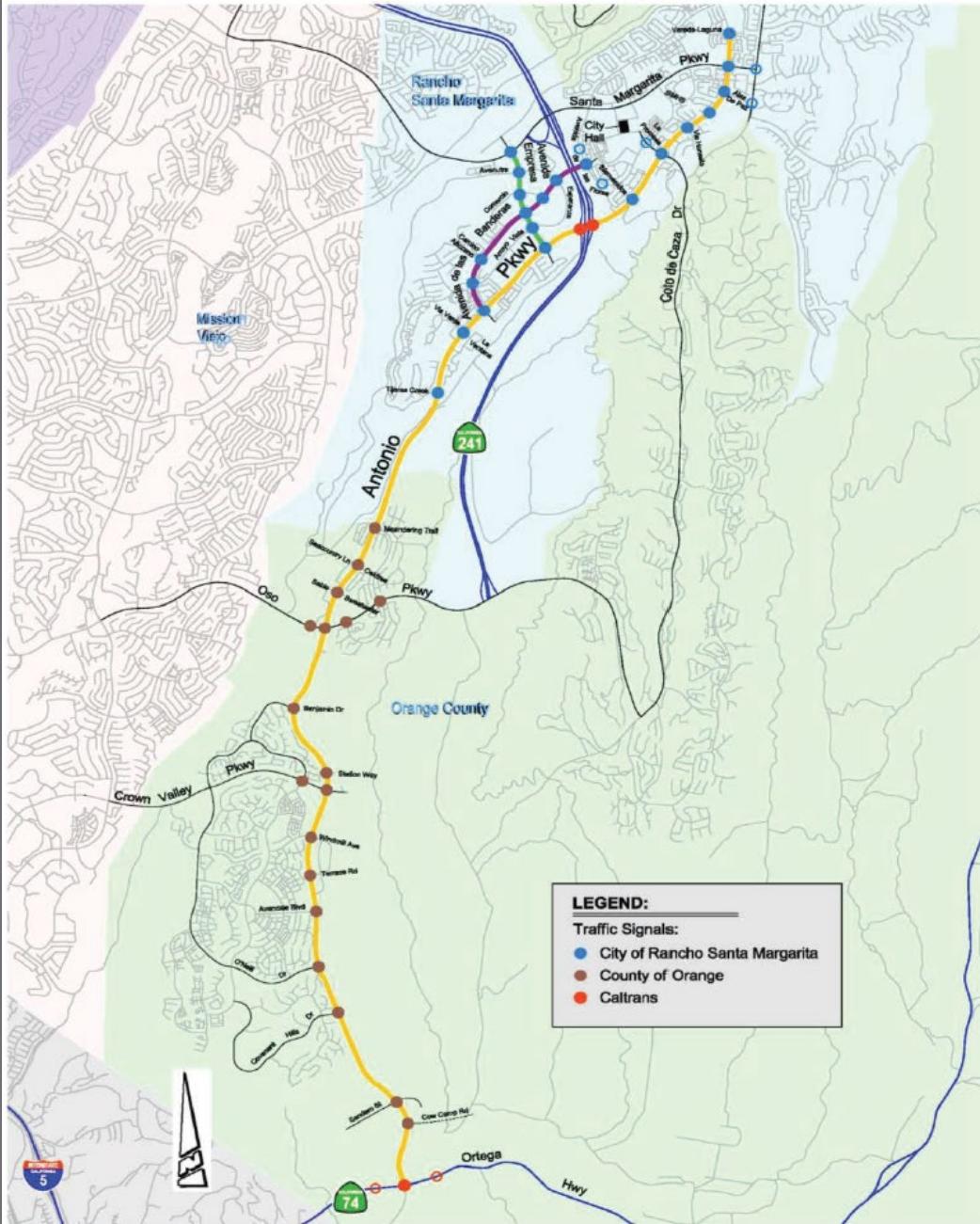
- 1) Santa Margarita Parkway Corridor Improvements – El Toro Road, Lake Forest to Plano Trabuco Road, RSM (2012)
- 2) Los Alisos Corridor Improvements – Paseo de Valencia, Laguna Hills to Altisima, RSM (2012)
- 3) Antonio Parkway Corridor Improvements Santa Margarita – Ortega Highway, County to Santa Margarita Parkway, RSM (2014)
- 4) Melinda Road, Los Alisos Boulevard, Paseo de Valencia, Laguna Hills Drive, and Aliso Viejo Parkway Route Regional Traffic Signal Synchronization – (2018)
- 5) Portola Parkway/Santa Margarita Parkway Regional Traffic Signal Synchronization – Paloma, Lake Forest to Plano Trabuco Road, RSM (2021)
- 6) Antonio Parkway, Avenida de las Banderas, and Avenida Empresa Regional Traffic Signal Synchronization - Ortega Highway, County to Vereda Laguna, RSM (2026)





Antonio Parkway - Avenida De Las Banderas - Avenida Empresa Project Corridor

Antonio Parkway, Avenida de las Banderas, and Avenida Empresa



Main Corridor	Cross Street
1 Antonio Pkwy	Vereda-Laguna
2 Antonio Pkwy	Santa Margarita Pkwy
3 Antonio Pkwy	Alas De Paz
4 Antonio Pkwy	SMHS/Eagle Way
5 Antonio Pkwy	Via Honesto
6 Antonio Pkwy	La Promesa/Coto De Caza Dr
7 Antonio Pkwy	Bienvenidos
8 Antonio Pkwy	SR-241 North
9 Antonio Pkwy	SR-241 South
10 Antonio Pkwy	Avenida Empresa
11 Antonio Pkwy	Avenida de las Banderas
12 Antonio Pkwy	Via Verda
13 Antonio Pkwy	Tijeras Creek
14 Antonio Pkwy	Meandering Trail
15 Antonio Pkwy	Seacountry Ln/Oaktree
16 Antonio Pkwy	Sable/Sweetwater
17 Antonio Pkwy	Oso Pkwy
18 Antonio Pkwy	Benjamin Dr
19 Antonio Pkwy	Station Way
20 Antonio Pkwy	Crown Valley Pkwy
21 Antonio Pkwy	Windmill Ave
22 Antonio Pkwy	Terrace Rd
23 Antonio Pkwy	Avenida Blvd
24 Antonio Pkwy	O'Neill Dr
25 Antonio Pkwy	Covenant Hills Dr
26 Antonio Pkwy	Sendero Way
27 Antonio Pkwy	Cow Camp Rd
28 Antonio Pkwy	Ortega Hwy (SR-74)
29 Avenida del las Banderas	Arroyo Vista
30 Avenida del las Banderas	Camino Altozano
31 Avenida del las Banderas	Avenida Empresa
32 Avenida del las Banderas	Comercio
33 Avenida del las Banderas	Aventura/Esperanza
34 Avenida del las Banderas	Avenida de las Flores/Alma Aldea
35 Avenida Empresa	Arroyo Vista/Esperanza
36 Avenida Empresa	Comercio
37 Avenida Empresa	Aventura
38 Avenida Empresa	Santa Margarita Pkwy

Offset signalized intersections that are part of the project:

Main Street	Cross Street
39 Santa Margarita Parkway	Plano Trabuco Rd
40 Plano Trabuco Rd	Alas de Paz
41 La Promesa	Alma Aldea
42 Avenida de las Flores	Richard Reese Way
43 Avenida de las Flores	Calle de los Abanicos
44 Ortega Highway (SR-74)	Reata Road
45 Ortega Highway (SR-74)	Gateway Plaza

Legend

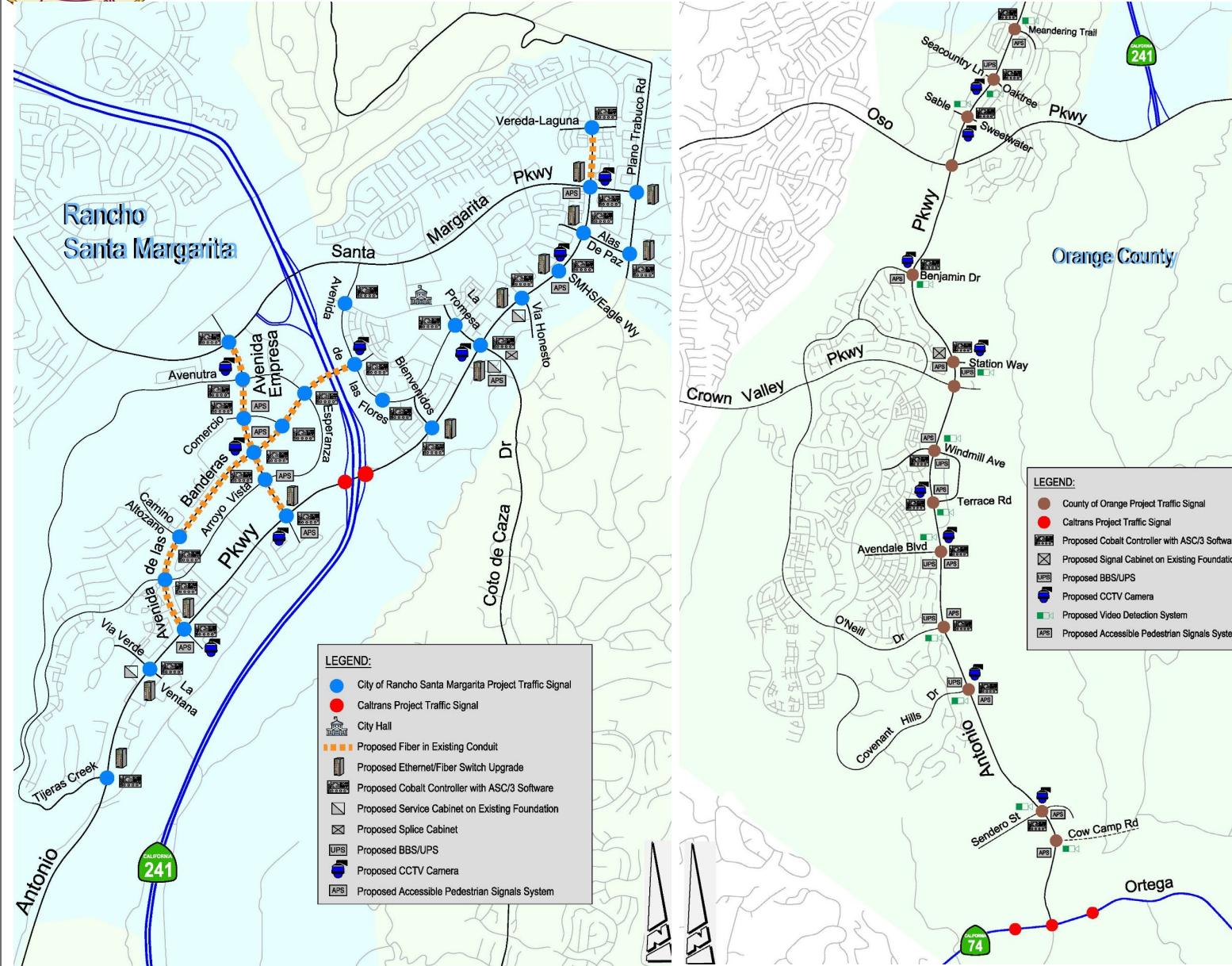
Rancho Santa Margarita
Caltrans
County of Orange

Project Corridor:

- Approximately 12.85 miles
- Antonio Pkwy & Avenida Empresa classified as Major Arterials
- Avenida de las Banderas classified as primary/secondary highway
- Antonio Parkway - 6 lane divided highway with bike lanes
- 5,000 vehicles per day (VPD) north of Santa Margarita Parkway
- 27,000 VPD near SR-241 toll-road
- 32,000 VPD south of Oso Parkway
- Project includes coordination of a total of 45 traffic signals (includes 7 offset signals traffic signals)



Antonio Parkway - Avenida De Las Banderas - Avenida Empresa Traffic Signal Coordination Corridor



Scope of Work:

- Fiber optic communications
- Ethernet switches
- Controller/cabinet upgrades
- Video detection systems
- Accessible Pedestrian Signals systems
- CCTV cameras at selected intersections
- Signal Timing and Coordination Plans & Control strategies



Project Funding

Responsible Agency	Total Project Cost	Project P Funding Request (80%)	In-Kind Match	Remaining Match	Total Match (20%) *
City of Rancho Santa Margarita	\$1,768,325	\$1,414,660	\$35,366	\$318,299	\$353,665
County of Orange	\$1,498,680	\$1,198,944	\$29,974	\$269,762	\$299,736
Total	\$3,267,005	\$2,613,604	\$65,340	\$588,061	\$653,401

* Total Match = AQMD Funds

Project Schedule

Activity	Date
Design	June 2025 – November 2026
Construction	March 2027 – March 2028
Operations and Maintenance Phase	March 2028 – March 2030
Project Completion	May 2030

QUESTIONS?

