



Agenda Report

Fullerton City Council

MEETING DATE: DECEMBER 2, 2025

TO: CITY COUNCIL / SUCCESSOR AGENCY

SUBMITTED BY: STEPHEN BISE, P.E., PUBLIC WORKS DIRECTOR

PREPARED BY: MICHAEL PLOTNIK, P.E., CITY TRAFFIC ENGINEER

SUBJECT: BASTANCHURY ROAD CORRIDOR REGIONAL TRAFFIC
SIGNAL SYNCHRONIZATION GRANT PROGRAM
PARTICIPATION

SUMMARY

Authorization to participate in a grant application to the Orange County Transportation Authority for the Bastanchury Road Corridor Regional Traffic Signal Synchronization Program (RTSSP) under the Competitive Measure M2 Regional Transportation Signal Synchronization Program.

PROPOSED MOTION

Adopt Resolution No. 2025-XXX.

RESOLUTION NO. 2025-XXX – A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF FULLERTON, CALIFORNIA, AUTHORIZING PARTICIPATION IN AN APPLICATION FOR FUNDS FOR THE BASTANCHURY ROAD REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROGRAM TO THE ORANGE COUNTY TRANSPORTATION AUTHORITY UNDER THE COMPETITIVE MEASURE M2 REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROGRAM.

ALTERNATIVE OPTIONS

- Approve the Proposed Motion
- Reject participation
- Other options brought by City Council.

STAFF RECOMMENDATION

Staff recommends the Proposed Motion.

CITY MANAGER REMARKS

The City Manager recommends adopting the Resolution.

PRIORITY POLICY STATEMENT

This item matches the following Priority Policy Statements:

- Fiscal and Organizational Stability
- Infrastructure and City Assets.

FISCAL IMPACT

The estimated Bastanchury Road Corridor RTSSP project cost totals \$3,557,245 with the estimated Fullerton cost share totaling \$1,522,850 for traffic signal improvements in the City of Fullerton. The grant requires 20% matching local funds totaling \$319,610, expected to come from Measure M2 local fair share funding, Gas Tax funds and/or Traffic Mitigation Fees. Staff would program these costs into the applicable Capital Improvement Program fiscal year budgets upon grant award.

DISCUSSION

The Orange County Transportation Authority issued a call for projects (Project P) for Regional Traffic Signal Synchronization Program projects. RTSSP projects develop and maintain corridor-based, multi-jurisdictional signal synchronization along corridors through Orange County.

The City of Yorba Linda submitted a grant application for the Bastanchury Road corridor on behalf of all partnering agencies listed in this report. The City of Yorba Linda would serve as lead agency for the project, working cooperatively with the cities of Placentia and Fullerton. The project encompasses approximately 11.4 miles and involves 38 traffic signals within the three cities jurisdiction. Sixteen of the signals are in the City of Fullerton. The attached Vicinity Map (Attachment 2) shows the proposed project limits and project signals along the Bastanchury Road corridor.

The City would enter co-operative agreements with Yorba Linda and the other agencies to implement project objectives. Staff expects notification of grant award in Fiscal Year (FY) 2026-27, with project engineering and design completed in FY 2027-28 and construction starting in FY 2028-29.

The project would develop inter-jurisdictional synchronization for morning peak, midday peak, afternoon peak and weekend periods. The project would consider special generators, such as schools and businesses, along with cross traffic.

Fullerton would receive new uninterruptable power supply / battery back-up units, traffic signal controller / cabinet assembly units, electrical services, closed circuit television cameras, arterial speed detection system, fiber communication and video detection. Network communication and the Central Traffic Management System would receive upgrades, replacing antiquated equipment in the City Traffic Management Center. The project would develop and implement new timing and coordination patterns at all signalized intersections within the project limits. The project includes ongoing operation and maintenance for two years.

The preliminary cost estimate for the Bastanchury Road Corridor Regional Traffic Signal Synchronization Project totals \$3,557,245. The grant would provide an estimated \$2,845,796 with a required \$711,449 (20%) matching share coming from all participating agencies, including \$319,610 from Fullerton.

Attachments:

- Attachment 1 – Draft Resolution No. 2025-XXX
- Attachment 2 – Vicinity Map

cc: Interim City Manager Eddie Manfro