



Agenda Report

Fullerton City Council

MEETING DATE: NOVEMBER 18, 2025

TO: CITY COUNCIL / SUCCESSOR AGENCY

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

PREPARED BY: JEFFREY CHINCHILLA, CIVIL ENGINEER
MICHAEL PLOTNIK, CITY TRAFFIC ENGINEER

SUBJECT: FISCAL YEAR 2025-26 VEHICLE DETECTION EQUIPMENT PURCHASE

SUMMARY

City Council consideration to award purchase orders to Iteris, Inc. in an amount not to exceed \$250,000 for replacement and/or new installation of vehicle detection equipment at signalized intersections citywide.

PROPOSED MOTION

Authorize Administrative Services Director, or designee, to issue purchase orders to Iteris, Inc. for vehicle detection equipment, in an amount not to exceed \$250,000.

ALTERNATIVE OPTIONS

- Approve the Proposed Motion
- Other options brought by City Council

STAFF RECOMMENDATION

Staff recommends the Proposed Motion.

CITY MANAGER REMARKS

None.

PRIORITY POLICY STATEMENT

This item matches the following Priority Policy Statement:

- Infrastructure and City Assets.

FISCAL IMPACT

The Fiscal Year (FY) 2025-26 Adopted Capital Improvement Program Budget includes costs associated with installation and maintenance of vehicle detection equipment at citywide signalized intersections under Project 46027 Traffic Signal Operation Enhancement within the Capital Projects Fund (Fund 74). The estimated cost of a unit ranges from \$28,000 to \$38,000. Staff has identified several intersections in need of upgrades and anticipates replacing up to six units during the fiscal year.

BACKGROUND AND DISCUSSION

The City's Traffic Engineering Division uses Iteris vehicle detection systems at traffic signals it maintains and operates. Vehicle detection systems play an integral part in traffic signal operations by detecting the presence of vehicles and enabling responsive signal timing. Depending on the location, City staff deploys either video-based or radar-based detection which are both provided by Iteris.

Newly purchased systems would replace existing and outdated traffic detection loops previously installed in the asphalt. This upgrade to the latest video and radar technology allows for future vehicle detection changes without affecting the street asphalt surface and detection of bicycles on any lane of a street. The systems would also replace existing video detection systems that have reached the end of their product lifespans. These upgrades are necessary to ensure continued and reliable traffic signal operation.

Staff recommends continued use of Iteris vehicle detection products for consistency and uniformity and to preserve the continuity and maintenance of the City's traffic signal system. The City has tested these products and found them cost effective with minimal repair and maintenance needs. Staff recommends awarding of purchase orders to Iteris, Inc. in an amount not to exceed \$250,000 in FY 2025-26.

Staff would determine locations eligible for the upgrades based on scheduled capital improvement program projects or as additional existing units reach the end of their lifespans.

cc Interim City Manager Eddie Manfro