



City of Oceanside

300 North Coast Highway,
Oceanside, California 92054

Staff Report

File #: 26-1323

Agenda Date: 4/8/2026

Agenda #: 6.

DATE: April 8, 2026

TO: Honorable Mayor and City Councilmembers

FROM: Public Works Department

TITLE: APPROVE A PURCHASE ORDER FOR ADVANCED TRAFFIC SIGNAL CONTROLLERS AND CAMERAS FOR THE PUBLIC WORKS TRAFFIC ENGINEERING DIVISION

RECOMMENDATION

Staff recommends that the City Council approve a purchase order in an amount not to exceed \$200,000 to CT WEST, Inc., for the purchase of Advanced Traffic Signal Controllers (ATC) and Closed-Circuit Television (CCTV) cameras for the Public Works Traffic Engineering Division; approve the procurement as a sole source purchase; and authorize the Financial Services Director, or designee, to execute the purchase order.

BACKGROUND AND ANALYSIS

The City currently maintains 164 traffic signal controllers. These controllers regulate the timing of the traffic signals to allow vehicles and pedestrians to move safely and efficiently through signalized intersections.

Of the 164 traffic signal controllers, the City has upgraded 150 controllers to Advanced Traffic Controllers (ATC). To complete the upgrade of all the remaining outdated equipment, an additional 14 controllers will be needed.

The City also maintains 43 Closed-Circuit Television (CCTV) cameras throughout the traffic signal system. These cameras are used to monitor traffic congestion and assist with traffic management during special events.

Upgrading the remaining traffic signal controllers to Advanced Traffic Controllers (ATC) will allow the City to standardize its signal system on a modern platform that supports advanced traffic management features such as improved signal coordination, transit signal priority, and pedestrian safety enhancements. Furthermore, the recommended replacements will improve system reliability and reduce maintenance challenges, as older controllers are challenging to repair due to the limitations on available parts.

The City's CCTV camera network supports traffic operations by providing real-time monitoring of traffic conditions, allowing staff to quickly verify congestion, and evaluate signal operations remotely. These cameras also provide situational awareness for public safety staff during roadway incidents

and special events.

Finally, the modernization of ATC controllers and the continued use of CCTV monitoring will improve the City's ability to manage traffic operations efficiently and respond to roadway conditions in a timely manner.

FISCAL IMPACT

The purchase order for CT WEST, Inc. for \$200,000 will be charged to the accounts shown on the table below.

Description	Account	Amount	FY 25/26 Available Balance
C.T. WEST Purchase Order	902135500212.5330.10200 Neighborhood Traffic Safety	\$142,000	\$428,241
	632444562.5330 Adaptive Signals/TMC Maintenance	\$58,000	\$114,053

COMMISSION OR COMMITTEE REPORT

Does not apply.

CITY ATTORNEY'S ANALYSIS

Purchases must be made according to the procedures set forth in Chapter 28A of the City Code.

Prepared by: Teala Cotter, City Traffic Engineer
Reviewed by: Hamid Bahadori, Public Works Director
Submitted by: Jonathan Borrego, City Manager

ATTACHMENTS:

1. Staff Report
2. Sole Source Justification