

City Council Meeting

Agenda Item

Data Sheet

Meeting Date: August 18, 2025

Topic:

Approve an agreement with Consolidated Traffic Controls for the installation and maintenance of the Opticom Traffic Preemption System through HGACBuy contract number PE05-21, for a not-to-exceed amount of \$76,952.64 annually for 10 years, authorize the expenditure of funds therefor, and authorize the City Manager to execute any and all documents related to the expenditure. This amount is included in the FY 2024-2025 budget.

Background:

The Opticom GPS-based traffic signal preemption system is a safety and efficiency tool designed to enhance emergency response by allowing fire, police, and EMS vehicles to control traffic signals as they approach intersections. Using GPS and wireless communication, the system detects authorized emergency vehicles in real time and adjusts traffic lights to provide a green light in their direction of travel, while safely clearing cross traffic. This reduces response times, improves safety for first responders and the public, and helps mitigate congestion during emergencies.

The technology is scalable across the city and ESD #15, is Texas Department of Transportation approved, and integrates with existing traffic infrastructure. The Opticom system is already in use throughout Northwest Harris County, utilized primarily by Emergency Service District Fire Departments and EMS agencies.

Origination: Fire Department

Recommendation: Approval

Party(ies) responsible for placing this item on agenda: Joe Sykora, Fire Chief

FUNDING (IF APPLICABLE)

Are funds specifically designated in the current budget for the full amount required for this purpose?

Yes: ☒ No: ☐

If yes, specify Account Number: # 100-142, 145 & 121-
6106

If no, funds will be transferred from account: # _____ To Account: # _____

Signed: Joe Sykora

Staff Member

08/12/2025

Date

Approved by: _____

City Manager

Date