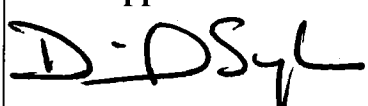


2.7 Actions Related to the Purchase Orders with TransCore ITS, LLC for Centralized Emergency Vehicle Preemption Solution.

CITY COUNCIL ACTION REQUEST

Department(s): Finance	CEQA: Not a Project, File No. PP10-066(a), Agreements and Contracts, Purchase Order	Coordination: Departments of Transportation, Fire, Police, Information Technology, the City Attorney's Office, and the City Manager's Budget Office	Dept. Approval: /s/ Julia H. Cooper
Council District(s): Citywide			CMO Approval: 

SUBJECT: EXECUTE PURCHASE ORDERS FOR CENTRALIZED EMERGENCY VEHICLE PREEMPTION SOLUTION

RECOMMENDATION:

Adopt a resolution authorizing the City Manager to:

1. Execute Purchase Order(s) with TransCore ITS, LLC (Pleasanton, CA), with maximum compensation not to exceed \$600,000, to upgrade the existing Traffic Signal Management System with a Centralized Emergency Vehicle Preemption (EVP) interface, including software development, implementation, and related professional services based on a phased approach as follows:
 - a. Phase 1: Purchase EVP interface and related professional services for a one-year term commencing on or about April 12, 2017 and ending on or about April 11, 2018 in an amount not to exceed \$350,000.
 - b. Phase 2: Additional development and deployment services that may be required to add intelligence and signal prioritization logic for more seamless and less intrusive EVP in an amount not to exceed \$250,000.
2. Negotiate and execute amendments and/or change orders to cover unanticipated changes in requirements or future enhancements, not to exceed \$150,000 and subject to the appropriation of funds.

Desired Outcome: Provide a Centralized Emergency Vehicle Preemption Solution to improve response times for fire, medical and police emergencies and ensure safer, faster on-scene arrival.

BASIS FOR RECOMMENDATION:

The Mayor's FY 2016-2017 March Budget Message¹ directed the Administration to provide resources to implement strategic improvements in technology to improve emergency response times. The Department of Transportation (DOT) is collaborating with the Fire and Police Departments to develop a centralized EVP solution utilizing software interfaces between two existing mission critical systems: a) TransCore's Traffic Signal Management System, and b) Intergraph's Computer Aided Dispatch (CAD) System. These systems must be enhanced and integrated to provide EVP service at all signalized intersections, as presently EVP is enabled at approximately one-third (or 336) of the city's signalized intersections.

The centralized EVP solution utilizes the central a) Traffic Signal Management System, b) CAD, and c) GPS on vehicle, and together communicate and coordinate a response vehicle location, so that traffic signals along the route turn green to clear vehicles stopped at the intersection that are in the path of arriving emergency vehicles allowing vehicles to proceed through the intersection.

This upgrade will allow the City to utilize new technologically advanced and cost-effective software-based solutions without the need to install additional hardware at each signalized intersection which would cost an estimated \$9,000,000 for the remaining 597 intersections.

¹ Link to Mayor's March Budget Message 2016-2017, Agenda 3/29/16: <http://www.sanjoseca.gov/DocumentCenter/View/55153>

Since the Traffic Signal Management System is proprietary, only TransCore can develop the required software interface. Staff recommends purchase order award(s) to TransCore in accordance with the San José Municipal Code Section 4.12.235, entitled "Unique Services Purchases" where the procurement authority has determined that the software required for this upgrade, and related services, may be obtained only from one manufacturer.

Commission Recommendation: In October 2016², the Public Safety, Finance, and Strategic Support Committee accepted the work plan on the implementation of Emergency Vehicle Preemption (EVP) service at all signalized intersections.

This Council item is consistent with the Council-approved Public Safety Mission to "Provide prevention and emergency response services for crime, fire, medical, hazardous, and disaster related situations."

COST AND FUNDING SOURCE:

Fund #	Appn.#	Appn. Name	Total Appn.	Amt. for Recommendation	2016-2017 Adopted Capital Budget Page	Last Budget Action (Date, Ord. No.)
001	7903	Emergency Vehicle Preemption Service	\$1,200,000	\$750,000*	V-645	6/21/16, Ord. No. 29762

*Includes contingency

FOR QUESTIONS CONTACT: Mark Giovannetti, Purchasing Deputy Director at 408-535-7052

² Link to 2016 PSFSS Memo: http://sanjose.granicus.com/MetaViewer.php?meta_id=597043