



DATE: February 23, 2011

TO: Honorable Mayor and City Councilmembers

FROM: Development Services Department

SUBJECT: **AUTHORIZATION TO AWARD A CONTRACT FOR IMPROVEMENTS TO THE CITY'S TRAFFIC SIGNAL COMMUNICATION SYSTEM**

SYNOPSIS

Staff recommends that the City Council award a contract in the amount of \$927,000 to Select Electric Inc., of Spring Valley for improvements to the City's traffic signal communications system, and authorize the City Manager to execute the agreement upon receipt of all supporting documents.

BACKGROUND

On December 8, 2010, the City Council approved the plans and specifications and authorized a call for bids. Notices inviting sealed bids were sent to qualified area contractors and were also advertised in local newspapers and trade journals, and Web sites in accordance with the City's standard bidding procedures.

The City's existing computerized signal system was installed in 1998 and is currently monitoring and controlling approximately 142 of 150 City-operated signals. The proposed improvements to the communication system will upgrade the existing traffic signal communication infrastructure, install fiber-optic cable, install closed-circuit television cameras (CTTV) at major intersections in the City, and bring the information into the City's Transportation Management Center (TMC) at City Hall.

The TMC provides an area for City staff to monitor and regulate traffic conditions throughout the City. Other cities throughout the region are installing or upgrading TMCs to provide real-time information to manage everyday traffic conditions on main arterials.

The traffic signal communication system will also enhance the City's network for communications and provide greater performance for public safety and other critical multi-facility applications and systems.

ANALYSIS

The installation of approximately 10 miles of fiber-optic cable will upgrade the existing traffic signal copper cable network and allow the City's communications network to be on a City-owned system rather than leased lines. With the interconnecting of facilities, the City will be able to scale back its dependence on leased lines which provides a significant savings (after the first year the savings could be upwards of \$50,000 annually).

The installation of 20 CCTV cameras at key signalized locations will allow traffic staff to monitor traffic and make signal-timing changes as needed to improve traffic flow.

City staff has deleted the installation of two Changeable Message Signs (CMSs) that were in the original plans due to the higher than anticipated cost. The removal will reduce the cost of the project by approximately \$165,915. (Select Electric still remains the lowest bidder).

The Fire Department is also involved in the functions of the TMC to serve as a primary location for the Emergency Operation Center.

The City has also been approved to receive \$200,000 for this project from the American Recovery and Reinvestment Act awarded to the Department of Energy under the Energy Efficiency and Conservation Block Grant (EECBG) Program. A requirement of this grant is that the money needs to be obligated by March 8, 2011.

The Grant Program requires the use of prevailing wages under the Davis-Bacon Act and Buy American Provision, and the project was bid accordingly.

Bids were publicly opened on January 19, 2011; nine (9) bids were received:

<i>COMPANY</i>	<i>CITY</i>	<i>BID AMOUNT</i>
Select Electric, Inc.	Spring Valley	\$927,000.00
Pro Tech Engineering, Corp	Corona Del Mar	\$1,015,015.00
Flatiron Electric Group, Inc.	Chino, CA	\$1,110,598.00
Dynalectric	Los Alamitos	\$1,125,785.16
HMS Construction, Inc.	Vista	\$1,155,000.00
J.F.L. Electric, Inc.	Los Angeles	\$1,174,278.28
DBX, Inc.	Temecula	\$1,228,291.00
Tel Tech Plus, Inc. dba TTP-US	San Marcos	\$1,449,915.08
Team Fishel	Oceanside	\$1,746,977.45

The lowest responsible bidder is Select Electric Inc., of Spring Valley, with a bid of \$927,000. Their credentials have been researched and found to meet City requirements. The bid was reviewed and found to be complete. Construction is anticipated to begin in April and finish in August of 2011.

FISCAL IMPACT

The FY 2010-11 CIP budget for the Adaptive Signals/TMC (902111200212), funded with Transnet funds in the Streets Program has an approximate balance of \$415,000, Communication System (903526100508) funded with Signal funds has an approximate balance of \$86,000, College Boulevard Adaptive Signals (903521800508) funded with Signal funds has an approximate balance of \$176,000, Signals Unscheduled/Street Lights (903526300213) has an approximate balance of \$52,000; and \$200,000 is available from the Energy Efficiency and Conservation Block Grant (EECBG) Program (999115900274.5320). The total approximate funds available for the project are \$929,000.

The estimated total cost of this project, after award and deleting the bid items for the CMSs is approximately \$761,085. Adding administration, inspection, and project management and contingencies the total project cost is approximately \$913,000; therefore, sufficient funds are available.

INSURANCE REQUIREMENTS

The City's standard insurance requirements will met.

COMMISSION OR COMMITTEE REPORT

The Transportation Commission reviewed the original TMC proposal at their June 16, 2009, meeting.

CITY ATTORNEY'S ANALYSIS

Contracts for public projects in excess of \$5,000 must be awarded to the lowest responsible bidder. "Responsible bidder" is defined as a bidder who has demonstrated the attributes of trustworthiness as well as quality, fitness, capacity and experience to satisfactorily perform a public works contract. The City Council also has discretion to reject all bids and re-advertise.

Section 1.3 of the Contract Documents states, "The Agency reserves the right to delete or reduce any bid item at the time the Notice of Award is sent". The contractor should be notified of the deleted bid items in the "Notice of Award". Section 2.14 of the Contract Documents states, "Agency shall not re-compute, adjust or modify the total amount bid submitted by any Bidder". Deleting the bid items for the changeable message signs may be done by contract change order after the contract has been executed.

RECOMMENDATION

Staff recommends that the City Council award a contract in the amount of \$927,000 to Select Electric Inc., of Spring Valley for improvements to the City's traffic signal communications system, and authorize the City Manager to execute the agreement upon receipt of all supporting documents.

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