



DATE: July 20, 2021

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Adopt a Resolution Awarding a Contract to Western Systems for the Purchase of Eleven Traffic Signal Controller Cabinets with Battery Backup Systems in an Amount Not-to-Exceed \$149,992

RECOMMENDATION

That Council adopts the attached resolution (Attachment II) awarding a contract to Western Systems, in an amount not-to-exceed \$149,992, for the purchase of eleven traffic signal controller cabinets with Battery Backup Systems (BBS).

SUMMARY

The City currently has eleven existing traffic signal controller cabinets that are damaged and need to be replaced. In addition, the existing controller cabinets do not have a Battery Backup System (BBS) integrated with the cabinet. Staff has received three bids for the eleven traffic signal controller cabinets and battery backup systems. The lowest bid is from Western Systems in the amount of \$149,992. The other two bids are from Western Pacific Signal and Jam Services for \$158,934 and \$202,230, respectively.

Staff is requesting Council approve a contract with Western Systems in the not-to-exceed amount of \$149,992 for the purchase of eleven traffic signal controller cabinets and associated battery backup systems. The installation of these controller cabinets and battery backup systems will be performed by City staff.

BACKGROUND

The City currently has eleven existing traffic signal controller cabinets that are damaged and need to be replaced. Traffic signal controller cabinets are located at one corner of each intersection and store the necessary equipment to control the intersections' traffic signal operation. The eleven existing controller cabinets that need replacing do not have a BBS integrated into the cabinet. BBS are recommended for every signalized intersection in order to keep the intersection uninterrupted and operational for hours during power outages and other incidents. Having a BBS provides safety for drivers and law enforcement officials under hazardous conditions.

DISCUSSION

On May 20, 2021, staff issued a Request for Quotation (RFQ) for the purchase of controller cabinets with BBS. In response, the City received three bids. The bids ranged from \$149,992 to \$202,230. Western Systems submitted the lowest bid in the amount of \$149,992. Western Pacific Signal submitted the next lowest bid in the amount of \$158,934. Staff recommends award of the contract to the low bidder, Western Systems.

ECONOMIC IMPACT

Having functioning traffic signals controller cabinets with battery backups provide for continued traffic signals operation during power outages and prevent accidents and delays in residents and commuters' travel time. Battery backups will keep the intersection uninterrupted and running for several hours during power outages and other incidents.

FISCAL IMPACT

The amount not-to-exceed \$149,992 will be supported by Fund 460 Transportation System Improvement, Project 05856 Controller Cabinet Replacement and Battery Backup Program. There is sufficient fund balance in the fund and no additional allocation is required.

Replacing the eleven traffic signal controller cabinets will also provide savings to the City in minimizing the need for contractors to repair malfunctioning traffic signals in off hours.

STRATEGIC ROADMAP

This agenda item supports the Strategic Priority of Improve Infrastructure, though not specifically related to a project identified in the Strategic Roadmap.

SUSTAINABILITY FEATURES

Controller cabinets with battery backups increase public safety and reduce traffic congestion by allowing traffic lights to function even during a power failure.

PUBLIC CONTACT

No public contact is required for this action.

NEXT STEPS

If approved by Council, staff will prepare and route a professional services agreement with Western Systems for execution by the City Manager.

Prepared by: Shabnam Yari, Associate Transportation Engineer
Kathy Garcia, Deputy Director of Public Works

Recommended by: Alex Ameri, Director of Public Works

Approved by:

A handwritten signature in black ink, appearing to read 'K. McAdoo', written in a cursive style.

Kelly McAdoo, City Manager