CITY OF BRYAN
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ACTION FORM
BRYAN CITY COUNCIL

Meeting Date (?) 08/16/2016

Subject Matter* (?) Purchase Traffic Signal Controllers and Cabinets
This must match rolling agenda entry

Department of Origin* ENGINEERING DEVELOPMENT

Submitted By* W. Paul Kaspar

Type of Meeting* ○ BCD ○ Special ◉ Regular

Classification* ○ Public Hearing ○ Consent ◉ Statutory ○ Regular

Ordinance* ◉ None ○ First Read ○ Second Read ○ First & Only Read

Strategic Initiative* ☑ Public Safety ☐ Service ☐ Economic Development ☑ Infrastructure ☑ Quality of Life

Agenda Item Description* Consider purchasing 41 traffic signal controllers and 22 traffic signal controller cabinets from ITERIS for the not to exceed amount of $269,200.00. This purchase will eliminate current communication errors with the existing controllers that have outdated communication ports.

Summary Statement *

ITERIS is the sole source vendor for these units for the City of Bryan and the City of College Station and they are the Siemens sales representative for the State of Texas. The controllers the City of Bryan purchases are produced by Siemens. Over the last couple of years both cities have standardized their equipment for ease of replacement parts as well as technical training of their signal operations staff. College Station took the lead in standardization of the equipment; their selection of equipment was reviewed by the City of Bryan, which consequently adopted the same equipment to achieve future communication between the cities traffic signal systems across city borders.

This action item will allow the City of Bryan to purchase 41 traffic signal controllers and 22 traffic signal controller cabinets. At 19 intersections the signal controller cabinets also will require replacement in order to install the new controllers as they are not compatible with existing cabinets. The original plan was to have staff install these units over a period of 10 months, however ITERIS has offered, without charge, to send their crew down and make these installations for the City of Bryan (with City of Bryan Traffic staff there to supervise and assist) over a period of two (2) weeks. ITERIS did this with the City of College Station last year with their major signal upgrade project.

ITERIS is offering the City of Bryan a discount to trade in the existing controllers (valued at $200/per controller), which staff believes is more than if the controllers were auctioned. Based on a search of the auction website the City of Bryan uses, similar units were being sold for substantially less. Specifically, the City of College Station had 64 of their old controllers listed with a minimum bid of $30 for the entire lot and they received $68 for all 64 controllers. In talking with College Station, they have in the past received this similar discount from ITERIS and take them up on the offer when ITERIS is interested in the trade in of the old units. ITERIS also has agreed to send their staff (as they did with College Station this past year) to install these controllers and cabinets for the City of Bryan as part of this purchase price. This service is being offered, without charge (I.e., not added into the prices), and will save the City of Bryan staff many hours of installation time. The City of Bryan will save $8,200 by trading in the existing controllers with this purchase.

On February 23, 2016, the City Council approved the purchase of 25 switches and 25 Ethernet radios, which are in the process of being installed by City staff. These units will allow communication between signal controllers and the new central control software that staff uses to make changes to traffic signal timings and remotely check the health of each traffic signal. The current signal controllers proposed for replacement have what is called a serial connection, as opposed to more current Ethernet connection. This difference is making connection of the radios and switches problematic and staff has noticed existing switches and radios have been having errors because of this serial connection requiring an adaptor. Staff believes the issue is in the adaptor but working with the manufacturer and other suppliers it became evident there was not a solution with an adaptor and replacing the controller to have built in Ethernet connection is needed.

Upon installation of the previously purchased radios, switches, and these new controllers and cabinets, the City of Bryan will have full communication capabilities to all 69 signalized intersections.

Staff Analysis & Recommendation *

Staff recommends purchasing 41 traffic signal controllers and 22 traffic signal controller cabinets from ITERIS for the not to exceed amount of $269,200.00. This purchase will eliminate current communication errors the City has with the existing controllers that have outdated communication ports and bring the City one step closer to having full communication to all of the City of Bryan maintained signalized intersections.

Options *

(In Suggested Order of Staff Preference)

1. Approve the purchase.
2. Do not approve the purchase and provide direction to staff.

Funding Source *

Fund 240 – Transportation Fee (as budgeted)

Attachments

ITERIS QUOTE.pdf 129.63KB

Please detail attachments and note attachments available for viewing in City Secretary's Office:

Note: Both attachments are in a single pdf

1. ITERIS Quote with Discount for Trade-in and free installation and programming
2. ITERIS Quote without Discount for Trade-in

Dept. Head Signature	
Deputy City Manager Signature	
City Manager Signature	
City Attorney Signature	