



AGENDA MEMORANDUM

Action Item for the City Council Meeting of October 1, 2019

DATE: October 1, 2019

TO: Peter Zaroni, City Manager

FROM: Albert Quintanilla, Director of Street Operations
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School Zone Flasher System for Street Operations

CAPTION:

Motion authorizing a five-year service agreement with Paradigm Traffic Systems, Inc, for the purchase of a School Zone Flasher System, including the hardware, cloud-based software, Cellular communication and support, for Street Operations in an amount not to exceed \$313,500.00, effective upon issuance of notice to proceed, with funding available in the Streets Fund.

SUMMARY:

This motion authorizes a service agreement with Paradigm Traffic Systems, Inc for School Zone Flasher System. This new system is an update to the manual system already in place.

BACKGROUND AND FINDINGS:

The City of Corpus Christi has 180 school zone beacon locations citywide and each location has a timer switch that is currently programmed manually by traffic signal technicians. This manual process can take 2.5 weeks to gather all school calendar schedule and one week for implementation.

The purchase of this School Zone Flasher system includes the hardware, cloud-based software, Cellular communication and support. The software allows for school beacon flasher schedules to be sent out remotely to all school beacons in one day. Changes to school flasher schedules can be done directly from City Traffic Management Center

(TMC). In the event of weather delays or other sudden schedule changes, technician can quickly override the school schedule of one or all beacon devices from not only from TMC, but from anywhere with a handheld device. This software would eliminate the need for a traffic signal technician to manually change the information to each beacon in the field. This would allow traffic field technicians the ability to provide additional services to the City's existing traffic signals. The software also provides performance indicators and system outages via text or email.

The Contractor will provide a turnkey installation for the software and hardware with a 5-year warranty. Hardware replacement, software support, and City staff training is included in this Warranty.

The Contracts and Procurement Department conducted a competitive Request for Proposal (RFP) process and received four proposals. All four proposals were screened for the minimum requirements on a pass/fail basis, and all four-firm passed. The technical proposal and product demonstration were scored based on the published evaluation criteria. The evaluation committee was comprised of staff from Streets and IT. After review of the total technical and product demonstration scores, the sealed pricing was opened for four firms. The lowest proposal received 80 points; the other responsible proposer received a proportional share of the points based on the proration of their price to the lowest price provided. Paradigm Traffic System, Inc ranked the highest based on their overall score of 98.4 out of 100. Staff recommends award to Paradigm Traffic Systems, Inc, which is one of the Texas Department of Transportation (TxDOT) approved vendor for Networked School Zone Flasher System.

ALTERNATIVES:

An alternative would be to continue with the manual system that we have in place.

FISCAL IMPACT:

The fiscal impact for the Streets Department is an amount not to exceed \$313,500.00.

Funding Detail:

| | |
|------------------------|--------------------------|
| Fund: | 1041 Streets |
| Organization/Activity: | 12310 |
| Mission Element: | 053 Operate and Maintain |
| Project # (CIP Only): | N/A |
| Account: | 550040 Other Equipment |

RECOMMENDATION:

Staff recommends approval of this motion authorizing a service agreement with Paradigm Traffic System, Inc for School Zone Flasher System as presented.

LIST OF SUPPORTING DOCUMENTS:

Evaluation Matrix
Service Agreement