

ITEM #: 22
DATE: 05-14-24
DEPT: PW

COUNCIL ACTION FORM

SUBJECT: **SIGNALIZED INTERSECTION TRAFFIC DETECTION SYSTEM PURCHASE**

BACKGROUND:

At its March 12, 2024 meeting, City Council approved single source purchases for NoTraffic Video/Radar Detection Systems from General Traffic Controls of Spencer, Iowa to be used for several current and future CIP projects. These systems allow for more sophisticated, reliable, and efficient management of traffic through the Intelligent Transportation System project. The NoTraffic systems were selected following an exploration of a variety of systems and were selected due to their features, cost, and compatibility with the City's traffic system.

Since that original approval, it was determined that an additional four detection systems are required to completely furnish Phases 1 and 2 of the Intelligent Transportation System with video/radar detection systems. The table below provides information for each detection system.

Fiscal Year	ITS Phase	Location	Cost
2020/21	Phase 1	S. Duff Ave & S. 5th Street	\$25,853
2020/21	Phase 1	Duff Ave & 13th Street	\$25,853
2021/22	Phase 2	University Blvd & Hwy 30 NB Ramp	\$25,853
2021/22	Phase 2	University Blvd & HWY 30 SB Ramp	\$25,853
		Total	\$103,412

The program funding from Phases 1 and 2 of the ITS Program is sufficient to finance the purchase of this equipment as necessary to complete each phase.

ALTERNATIVES:

1. Approve the purchases of NoTraffic Video/Radar Detection Systems from General Traffic Controls, Spencer, Iowa in an amount not to exceed \$103,412 as a single source provider.
2. Do not approve the purchase of traffic detection systems.

CITY MANAGER'S RECOMMENDED ACTION:

Staff has reviewed available technology and selected the system best suited to integrate with the City's traffic signal network needs while providing the City with the best value. Funding for these units has already been approved through the annual budget process and is sufficient for this purchase. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as described above.