

**COUNCIL ACTION FORM**

**SUBJECT: 2018/19 TRAFFIC SIGNAL PROGRAM (US HWY 30 WB OFF-RAMP & S DAKOTA AVE)**

**BACKGROUND:**

The Traffic Signal Program is the annual program that provides for replacing older traffic signals and constructing new traffic signals in the City, which will result in improved visibility, reliability, and appearance of signals. This program provides the upgrading of the traffic signal system technology. In recent years, traffic signal replacements have included radar detection systems instead of in-pavement loop detection systems that had previously been used (frequently a point of vehicle detection failure). Another advantage of the radar detection system is that it detects bicycles in addition to vehicles. **This project will install a new signal and new pedestrian ramps at US HWY 30 Westbound Off-Ramp & S Dakota Avenue.**

On September 4, 2019, bids were received for this project as follows:

<i>Bidder</i>	<i>Base Bid Amount</i>	<i>Alternate Bid Amount</i>	<i>Total Bid Amount</i>
<i>Engineer's estimate</i>	\$229,858.95	\$19,500.00	\$249,358.95
Iowa Signal, Inc.	\$180,744.43	\$18,944.00	\$199,688.43
Voltmer, Inc.	\$199,879.00	\$18,744.00	\$218,623.00
K & W Electric, Inc.	\$210,862.60	\$28,745.00	\$239,607.60

Staff is recommending the selection of the Base Bid and the Alternate Bid, considering the City received such favorable pricing. The Alternate Bid consists of back-up pedestrian and bike/vehicle detection equipment. Below is a breakdown of revenues and expenses for the project.

<b>Revenues</b>		<b>Expenses</b>	
Road Use Tax	\$180,000	Administration	\$20,000
U-STEP (55%)	\$145,321	Design	\$18,300
		Construction	\$199,688
		Signal Cabinet	\$41,451
		Signal Poles	\$23,080
<b>Total</b>	<b>\$325,321</b>	<b>Total</b>	<b>\$302,519</b>
		<b>Contingency (7.0%)</b>	<b>\$22,801</b>

\*U-STEP funding covers 55% of eligible construction and equipment costs only (no design or inspection).

**ALTERNATIVES:**

1. a. Accept the report of bids for the 2018/19 Traffic Signal Program (US HWY 30 WB Off-Ramp & S Dakota Ave) project.
  - b. Approve the final plans and specifications for this project.
  - c. Award the 2018/19 Traffic Signal Program (US HWY 30 WB Off-Ramp & S Dakota Ave) project to Iowa Signal, Inc. of Grimes, Iowa, in the amount of \$199,688.43 (Base and Alternate bids).
2. Award the contract to one of the other bidders.
  3. Do not proceed with this project.

**CITY MANAGER'S RECOMMENDED ACTION:**

Proceeding with this project will make it possible to provide better safety and a more reliable service for users of this intersection.

Therefore, the City Manager recommends that the City Council adopt Alternative No. 1, as described above.