

ITEM #: 33  
DATE: 03-26-24  
DEPT: PW

**COUNCIL ACTION FORM**

**SUBJECT: 2023/24 INTELLIGENT TRANSPORTATION SYSTEM PROGRAM (PHASE 3)**

**BACKGROUND:**

The Intelligent Transportation System (ITS) program provides for the installation of infrastructure for a traffic adaptive signal system that will conduct real-time optimization of traffic and pedestrian flow at signalized intersections. Traffic adaptive systems provide a significant improvement in efficiency and will optimize travel times during all times of the day. Completion of the network is programmed with six phases (an overall phasing map is attached). Traffic signal improvements rank as one of the highest priority areas from the Ames Resident Satisfaction Survey.

This project is for Phase 3 of the program which will primarily expand the ITS network along Grand Avenue (US HWY 69) and also extend the network north on Duff Avenue from 13th St to Grand Avenue. Staff has been working with HR Green and GBAsi, the consultant team developing this project.

On March 19, 2024, bids for the project were received as follows:

<b>Bidder</b>	<b>Bid Amount</b>
<i>Engineer's Estimate</i>	\$1,705,220.68
Van Maanen Electric, Inc.	\$1,817,416.71
Iowa Signal Inc.	\$2,014,591.02
Kline Electric, Inc. DBA Heartland Underground Solutions	\$2,334,865.00

The table below shows the revenues and expenses for this project:

	<b>Estimated Expenses</b>		<b>Available Revenue</b>
Design	\$ 172,620.00		
Construction	\$1,817,416.71		
Administration	\$ 150,000.00		
		Road Use Tax Fund	\$ 549,700
		G.O. Bonds	\$ 468,300
		ICAAP Grant*	\$1,495,280
		U-STEP Grant**	\$ 400,000
<b>TOTAL</b>	<b>\$2,140,036.71</b>		<b>\$2,913,280</b>

\*The ICAAP Grant is for 80% of eligible construction costs up to a maximum of \$1,495,280

\*\*The U-STEP Grant is for 55% of eligible construction costs along HWY 69 up to a maximum of \$400,000

**ALTERNATIVES:**

1. a. Accept the report of bids for the 2023/24 Intelligent Transportation System Program (Phase 3).  
b. Approve the final plans and specifications for this project and award the 2023/24 Intelligent Transportation System Program (Phase 3) to Van Maanen Electric, Inc. of Newton, Iowa, in the amount of \$1,817,416.71, contingent upon receipt of Iowa DOT concurrence.
2. a. Accept the report of bids for the 2023/24 Intelligent Transportation System Program (Phase 3).  
b. Reject award and direct staff to modify the project for a future Iowa DOT bid letting.
3. Do not proceed with the project at this time.

**CITY MANAGER'S RECOMMENDED ACTION:**

By awarding this project, it will be possible to facilitate improvements to traffic management and a reduction in emissions along project corridors. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as described above.

**ATTACHMENT(S):**

[ITS Cumulative Phase Map.pdf](#)