

ITEM #: 22  
DATE: 02-13-24  
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. Plans and specifications have been completed with total estimated revenues and expenses for this project shown in the table below:

	<b>Estimated Expenses</b>		<b>Available Revenue</b>
Design	\$ 172,620.00		
Construction (Est)	\$1,705,220.68		
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>\$2,027,840.68</b>		<b>\$2,913,280</b>

\*The ICAAP Grant is for 80% of eligible construction costs up to a maximum of \$1,495,280.00

\*\*The U-STEP Grant is for 55% of eligible construction costs along HWY 69 up to a maximum of \$400,000.00

This project is scheduled to have a March 19, 2024 letting, conducted through the Iowa Department of Transportation (DOT). Construction is anticipated to occur beginning in 2024 and be completed early in 2025.

**ALTERNATIVES:**

1. Approve plans and specifications for the 2023/24 Intelligent Transportation System Program (Phase 3) and establish March 19, 2024 as the date of letting through the Iowa DOT and March 26, 2024 as the date for the report of bids.
2. Do not approve this project.

**CITY MANAGER'S RECOMMENDED ACTION:**

This project will facilitate improvements to traffic management and reduction in emissions along project corridors. Approval of the plans and specifications will continue to keep this project on the Iowa DOT's March 19, 2024 letting schedule. 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](#)