

ITEM #: 13
DATE: 02-25-25
DEPT: PW

COUNCIL ACTION FORM

SUBJECT: 2024/25 INTELLIGENT TRANSPORTATION SYSTEM PROGRAM (PHASE 4)

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 4 of the program which will primarily expand the ITS network along Lincoln Way from University Blvd. to South Dakota and Mortensen Road from University Blvd. to South Dakota.

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:

Estimated Expenses		Available Revenue	
Design	\$ 241,150.00		
Construction (Est)	\$2,254,037.90		
Administration	\$ 150,000.00		
		Road Use Tax Fund	\$ 558,900
		G.O. Bonds	\$ 476,100
		ICAAP Grant*	\$1,521,280
		Road Use Tax (Savings from FY 23-24 Phase 3)	\$ 100,000
TOTAL	\$2,645,187.90		\$2,656,280

*The ICAAP Grant is for 80% of eligible construction costs up to a maximum of \$1,521,280.00

This project is scheduled to have a March 18, 2025 letting, conducted through the Iowa Department of Transportation (DOT). Construction is anticipated to occur beginning in 2025 and be completed early in 2026.

ALTERNATIVES:

1. Approve plans and specifications for the 2024/25 Intelligent Transportation System Program (Phase 4) and establish March 18, 2025 as the date of letting through the Iowa DOT and March 25, 2025 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 18, 2025 letting schedule. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as described above.

ATTACHMENT(S):

[CAF Map.pdf](#)