

ITEM #: 22  
DATE: 04-25-23  
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 provide reliable 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.

Phases 1 and 2 of the ITS network are currently under construction and include the corridors of S. Duff (Crystal Street to 13<sup>th</sup> Street), E. 13<sup>th</sup> Street (Duff Ave to Dayton Ave), Dayton Ave (E. 13<sup>th</sup> Street to E. Lincoln Way), Lincoln Way (Dayton Ave to University Blvd), University Blvd (Lincoln Way to Airport Road), and Airport Road (University Blvd to S. Duff). Construction on these phases is anticipated to be completed by the fall.

**This project is for Phase 3 of the program which will expand the ITS network along Grand Avenue (US HWY 69) and extend the network north on Duff Avenue to Grand Avenue. The segment of 24<sup>th</sup> Street between Grand Avenue and Duff Avenue is also included. (Shown in green on the attachment)**

**This professional service contract involves the design of the Phase 3 project. Elements include an initial needs assessment of the corridor, communication network architectural design, preparation of construction plans, and integration assistance during construction.** The project will have an estimated January 17, 2024, bid letting through the Iowa DOT.

Proposals for the design work were solicited from six firms who showed interest in the Phases 1 and 2 design services. Only one proposal was received from the team of HR Green with GBASI as a sub-consultant. This same team performed the design services for Phases 1 and 2, although GBASI was the lead consultant on those phases. HR Green’s proposal was reviewed and met all of staff’s requirements; therefore, **staff has negotiated a contract with HR Green of Johnston, Iowa in the amount of \$172,620.** General Obligation Bonds from the 2023/24 Intelligent Transportation System Program - Phase 3 (**\$468,300 budgeted**) will be used for this contract.

**ALTERNATIVES:**

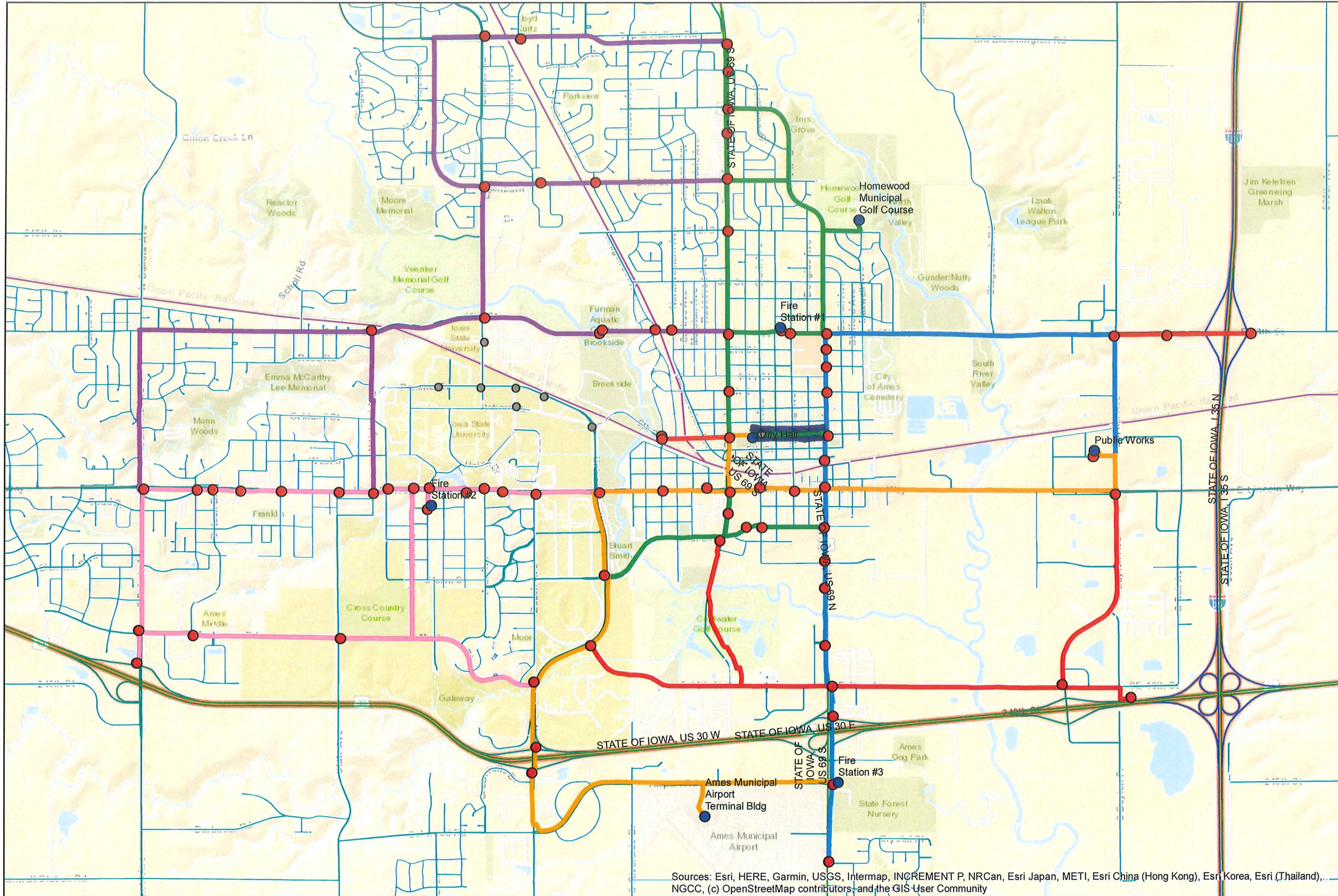
1. Approve the Professional Services Agreement for the 2023/24 Intelligent Transportation System Program (Phase 3) project with HR Green, Inc. of Johnston, Iowa in an amount not to exceed \$172,620.
2. Do not move forward with the project at this time.

**CITY MANAGER'S RECOMMENDED ACTION:**

Based on staff's evaluation of the proposal, HR Green, Inc. will provide high quality and high value service to the City in designing this project. **Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as noted above.**

# City of Ames - Fiber Interconnect (Cumulative Phase 6)

Date: 12/19/2019



### Legend

- City Facilities
- Signal Online After Phase
- Other Signals
- Proposed Phase 1 Fibe
- Proposed Phase 2 Fibe
- Proposed Phase 3 Fibe
- Proposed Phase 4 Fibe
- Proposed Phase 5 Fibe
- Proposed Phase 6 Fibe

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community