


# COUNCIL COMMUNICATION

	Number:	<b>20-536</b>	Meeting:	<b>December 7, 2020</b>
	Agenda Item:	<b>8</b>	Roll Call:	<b>20-1996</b>
	Submitted by:	<b>Steven L. Naber, P.E., City Engineer</b>		

## AGENDA HEADING:

Approving exception to Request for Proposal (RFP) process for good cause and approving Professional Services Agreement (PSA) with HR Green, Inc., for Intelligent Transportation Systems (ITS) Master Plan Integration – Phase 2, not to exceed \$245,500.

## SYNOPSIS:

Recommend approval of exception to the Engineering Department's RFP process for good cause and approval of the PSA with HR Green, Inc. (5525 Merle Hay Road, Suite 200, Johnston, IA 50131), for a total cost not to exceed \$245,500, based on hourly rates, to complete engineer design services for Phase 2 of the ITS Master Plan including upgrading 58 traffic signal cabinets/controllers, the traffic signal system communications infrastructure and ITS equipment generally along Hubbell Avenue, E Euclid Avenue, E/SE 14th Street, Army Post Road, and Fleur Drive.

## FISCAL IMPACT:

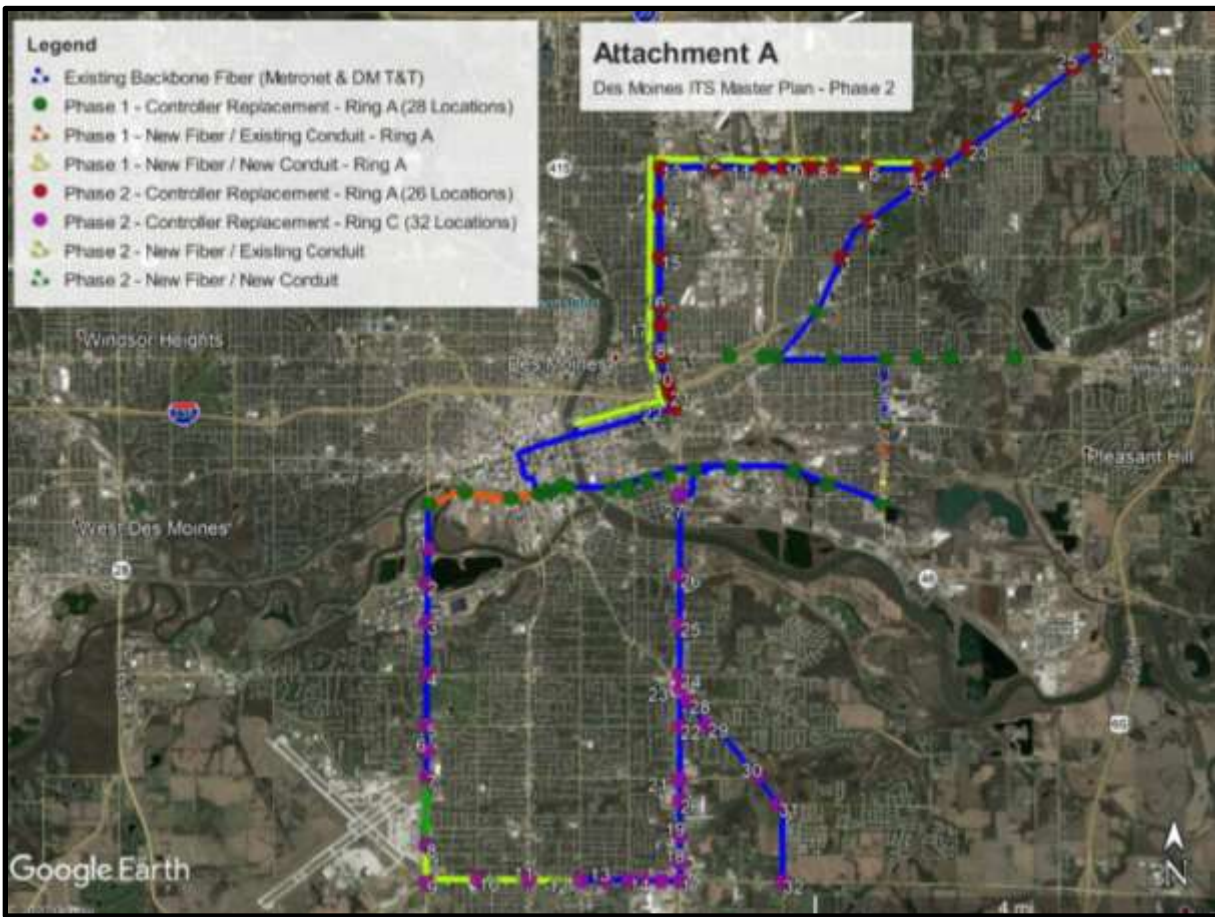
Amount: \$245,500

Funding Source: 2020-21 CIP, TR097, Page 54, Street Improvements - Traffic System Operation Improvements.

## ADDITIONAL INFORMATION:

- The results and recommendations of the ITS Master Plan were presented to Council at a work session on October 22, 2018. The ITS Master Plan was adopted as a framework for the City of Des Moines future traffic management and communication system infrastructure at the November 19, 2018 Council Meeting.
- The ITS Master Plan addresses major components: signal system hardware and software, work order system, fiber communications infrastructure, video observation cameras, and dynamic message signs.
- The current ITS infrastructure for the City of Des Moines primarily consists of antiquated technologies, including traffic signal controllers using 1970's technology and video observation cameras that are often not operable.

- The ITS Master Plan is broken into eight (8) phases of approximately \$1.5 million per phase, with an estimated total cost of \$12.5 million. These eight (8) phases are prioritized on vehicle volumes, roadway capacity, annual crashes, truck/transit route needs, existing operational issues, and conditions of existing communications.
- Phase 1 construction documents were completed and publicly bid on November 17, 2020. Construction of Phase 1 is expected to be completed by the end of calendar year 2021.
- This agreement is to facilitate the execution of Phase 2 of the ITS Master Plan.
- Phase 2 includes upgrading 58 traffic signal locations along Hubbell Avenue, E Euclid Avenue, E/SE 14th Street, Army Post Road, and Fleur Drive as shown in the map below. At each intersection, Phase 2 will include the following activities:
  - Communication infrastructure upgrades.
  - Communication network upgrades.
  - Traffic Signal Cabinet/Controller/ITS Device Upgrades.
- The City Engineer recommends that good cause exists to exempt the procurement of these professional services from the Engineering Department's RFP process, including advertisement, for project design and schedule efficiencies. HR Green Inc. is qualified to perform the professional services and was selected to complete the ITS Master Plan Integration Services based on:
  - The consultant being a subconsultant on the ITS Master Plan.
  - The consultant leading design of Phase 1 of the ITS Master Plan Implementation.
  - The consultant's familiarity with the City.
  - The consultant's experience with ITS Implementation.
- City staff have negotiated a PSA with HR Green Inc. for a total cost not to exceed \$245,500, based on hourly rates, to provide professional services for Phase 2 of the ITS Master Plan Integration.



**PREVIOUS COUNCIL ACTION(S):**

Date: November 19, 2018

Roll Call Number: [18-1895](#)

Action: [Approval](#) of the Intelligent Transportation System (ITS) Master Plan as the framework for the City’s future traffic management and communication systems infrastructure. ([Council Communication No. 18-624](#)) Moved by Gatto to adopt. Motion Carried 7-0.

**BOARD/COMMISSION ACTION(S):**

Board: Transportation Safety Committee

Date: September 11, 2018

Resolution Number: N/A

Action: Motion was made by Jim Windsor to support investments in new technology and infrastructure; seconded by Scott Bents. Motion passed 8-0.

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

Additional anticipated actions for the project include ordering construction, public hearing, receive and file bids, designate lowest bidder, and approve contract and bond; also, partial payments to the contractor and final acceptance of work.

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