


# COUNCIL COMMUNICATION

	Number:	<b>19-213</b>	Meeting:	<b>May 20, 2019</b>
	Agenda Item:	<b>10</b>	Roll Call:	[ ]
	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 Services, not to exceed \$296,300.

## SYNOPSIS:

Recommend approval 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 \$296,300, based on hourly rates, to complete Phase 0 and Phase 1 of the ITS Master Plan during the 2019 and 2020 fiscal years in which Phase 0 consists of preparing and coordinating with the City of Des Moines Procurement Office a RFP for the procurement of Advance Traffic Management Software (ATMS) and procurement of Local Controller Software (LCS) and Phase 1 includes updating 20 traffic signal systems in the area generally bound by Fleur Drive on the west, SE 30th Street on east, Maury Street on the south, and Martin Luther King Jr. Parkway on the north.

## FISCAL IMPACT:

Amount: \$296,300

Funding Source: 2019-20/2024-25, TR097, Page 42, Street Improvements - Traffic System Operations 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, video observation cameras that are often not operable, and a central management software that is outdated and will soon be unable to run on City computer systems due to operating system upgrades.
- 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.
- This agreement is to facilitate the execution of Phase 0 and Phase 1 of the ITS Master Plan.
- Phase 0 includes the following activities:
  - Preparing and coordinating with the City's Procurement Office a RFP for the procurement of ATMS and procurement of LCS.
  - Preparing and coordinating with the City's Procurement Office a RFP for the procurement of Work Order Management Software (WOMS).
  - Facilitate the selected System Software (ATMS, LCS, WOMS software) vendor and City Information Technology.
- Phase 1 includes upgrading 18 traffic signal locations in the area generally bound by Fleur Drive on the west, SE 30th Street on east, Maury Street on the south, and Martin Luther King Jr Parkway on the north. At each intersection, Phase 1 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 team member of the design team that completed the ITS Master Plan.
  - 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 \$296,300, based on hourly rates, to provide professional services for 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 phases recommended by the ITS Master Plan through a future CIP.

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