


COUNCIL COMMUNICATION

	Number:	21-521	Meeting:	December 6, 2021
	Agenda Item:	9	Roll Call:	21-1793
	Submitted by:	Steven L. Naber, P.E., City Engineer		

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 3, not to exceed \$344,000.

SYNOPSIS:

Recommend approval exception to the Engineering Department’s RFP process for good cause and approval of the PSA with HR Green, Inc. (8710 Earhart Lane SW, Cedar Rapids, Iowa 52404) for a total cost not to exceed \$344,000, based on hourly rates, to complete engineering design services for Phase 3 of the ITS Master Plan including upgrading 78 traffic signal cabinets/controllers, the traffic signal system communications infrastructure, and ITS equipment generally on the northwest side of the City of Des Moines.

FISCAL IMPACT:

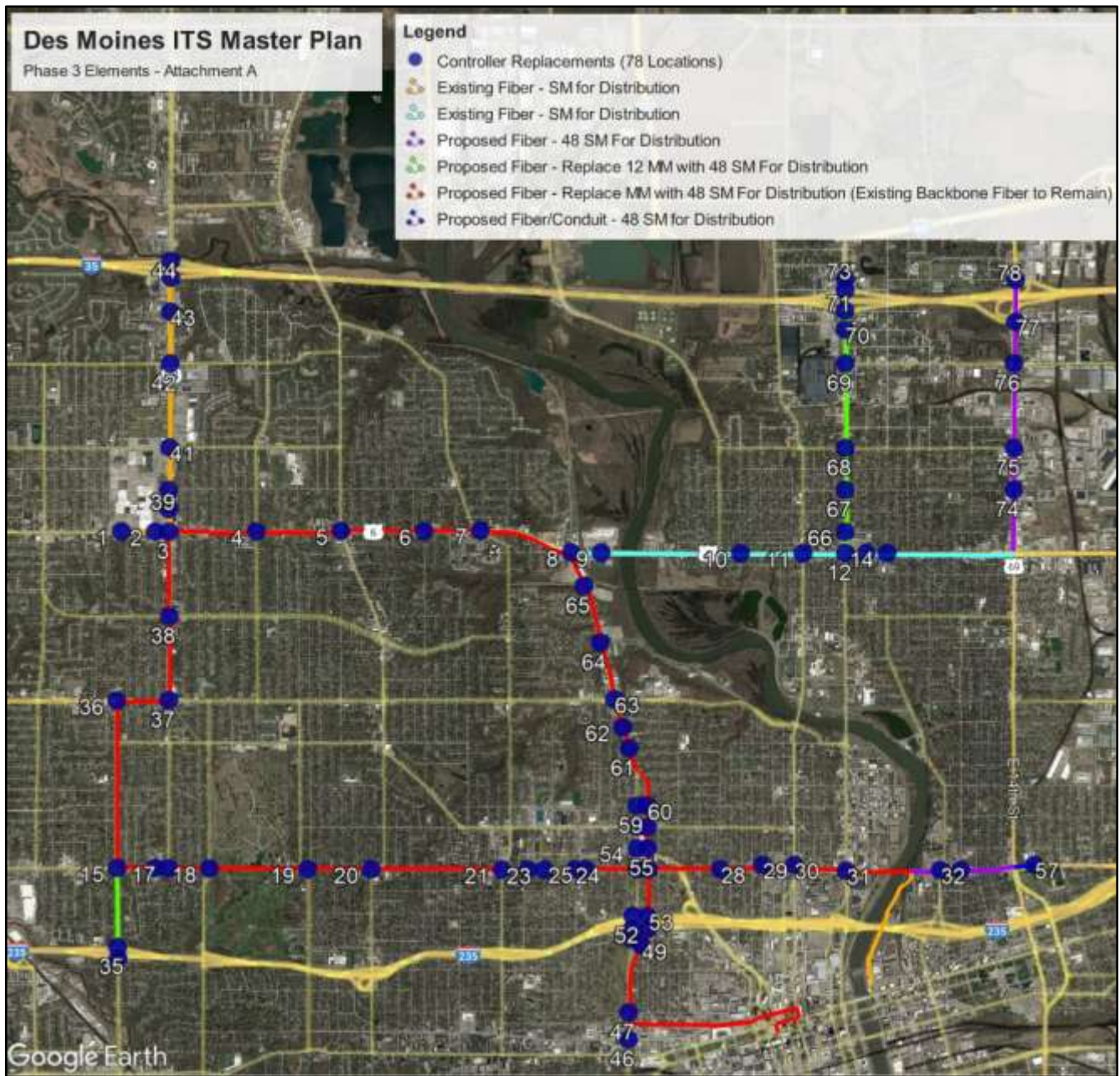
Amount: \$344,000

Funding Source: 2021-22 CIP, Page 164, Traffic System Operation Improvements, TR097.

ADDITIONAL INFORMATION:

- The results and recommendations of the ITS Master Plan were presented to City Council at a work session on October 22, 2018. At the November 19, 2018 City Council Meeting, by Roll Call Number 18-1895, the ITS Master Plan was adopted as a framework for the City of Des Moines future traffic management and communication system infrastructure.
- The ITS Master Plan addresses major components of the City’s traffic management and communication system infrastructure: 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 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.
- Phase 2 construction documents were completed and publicly bid on November 16, 2021. Construction of Phase 2 is expected to be completed by the end of calendar year 2022.
- This PSA is to facilitate the execution of Phase 3 of the ITS Master Plan.
- Phase 3 includes upgrading 78 traffic signal locations along University Avenue, Martin Luther King Jr. Parkway, 63rd Street, Merle Hay Road, 2nd Avenue, and E 14th Street as shown in the map below. At each intersection, Phase 3 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 same consultant team completed the engineering design services for Phase 1 and Phase 2 of the ITS Master Plan Implementation.
 - The consultant's familiarity with the City.
 - The consultant's experience with ITS Implementation.
- City staff has negotiated a PSA with HR Green, Inc., for a total cost not to exceed \$344,000, based on hourly rates, to provide professional services for Phase 3 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.

For more information on this and other agenda items, please call the City Clerk's Office at 515-283-4209 or visit the Clerk's Office on the first floor of City Hall, 400 Robert D Ray Drive. Council agendas are available to the public at the City Clerk's Office on Thursday afternoon preceding Monday's Council meeting. Citizens can also request to receive meeting notices and agendas by email by calling the Clerk's Office or sending their request via email to cityclerk@dmgov.org.