


COUNCIL COMMUNICATION

 CITY OF DES MOINES OFFICE OF THE CITY MANAGER	Number:	24-288	Meeting:	July 15, 2024
	Agenda Item:	19	Roll Call:	24-0945
	Submitted by:	Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Authorization to proceed with acquisition of the necessary property interests for the Intelligent Transportation Systems (ITS) Upgrade – Phase 5 Project by gift, negotiation, or eminent domain.

SYNOPSIS:

Recommend approval of authorization to proceed with acquisition of the necessary property interests for the ITS Upgrade – Phase 5 Project by gift, negotiation, or eminent domain. This action is required by Iowa law before the City can initiate the property acquisition process for this project under eminent domain. Relocation assistance will not be required for this project.

FISCAL IMPACT:

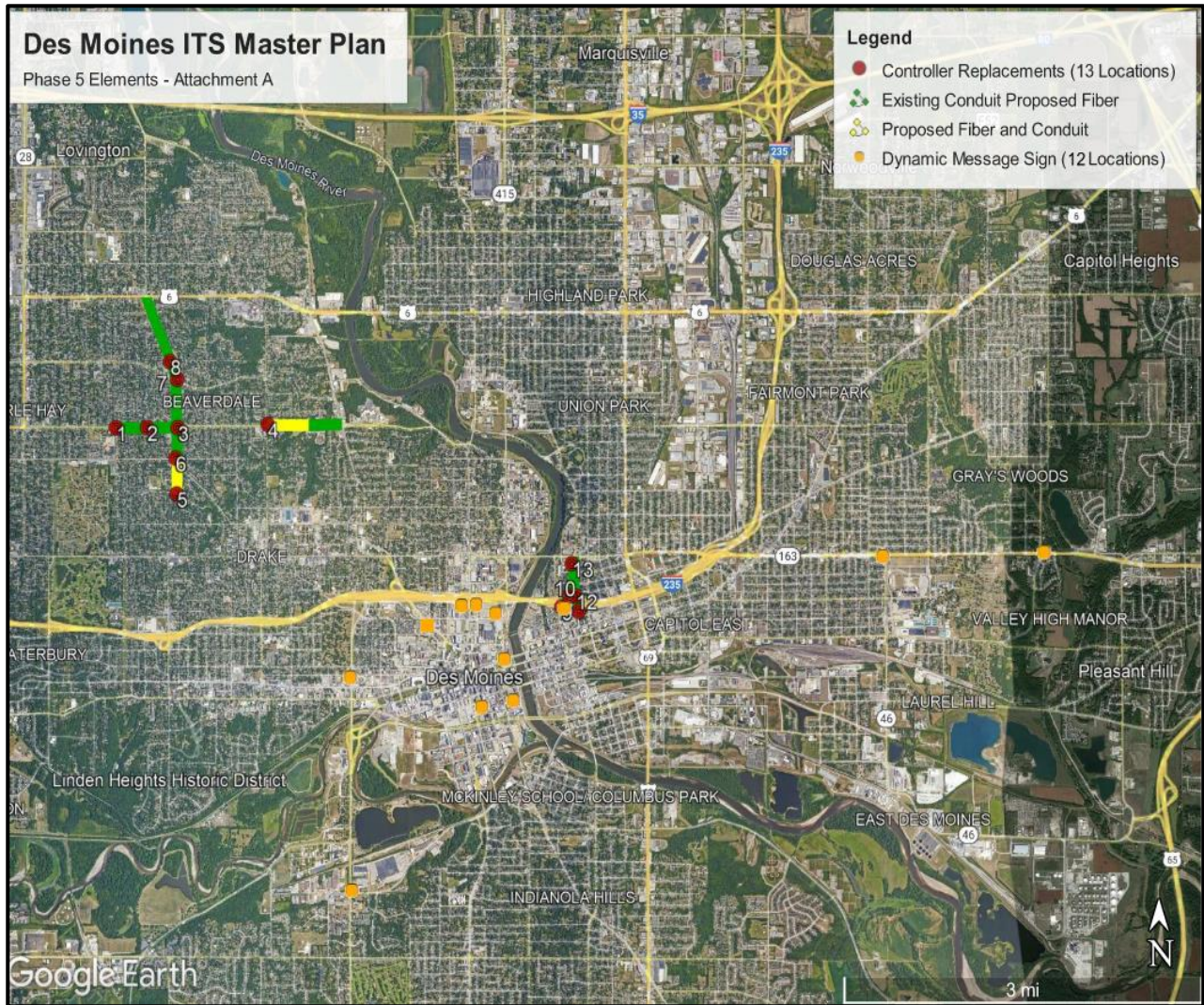
Amount: To be determined after final design is completed.

Funding Source: Fiscal Year (FY) 2024-2025 Capital Improvement Program (CIP), Page 163, Traffic System Operation Improvements, TR097, Being: Surface Transportation Block Grant (STBG) Program, G.O Bonds

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. 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 5 of this project will include upgrading the existing dynamic message signs throughout downtown, with improvement locations shown in Attachment A below. The new dynamic message signs will be used to inform drivers on parking availability, construction activities, and street use events that may impact travel. Eight (8) existing dynamic message signs throughout downtown will be replaced. Four (4) additional signs will be added as shown in Attachment A below.



- At this time, a total of two (2) permanent easements are needed from two (2) individual property owners to complete construction of this project. Relocation assistance will not be required.

PREVIOUS COUNCIL ACTION(S):

Date: May 20, 2024

Roll Call Number: [24-0725](#)

Action: [Approving](#) and authorizing the execution of the Iowa Department of Transportation (IDOT) Agreement for the ITS Upgrade Phase 5. ([Council Communication No. 24-209](#)) Moved by Gatto to adopt. Second by Voss. 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: NONE

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