


COUNCIL COMMUNICATION

 CITY OF DES MOINES OFFICE OF THE CITY MANAGER	Number:	22-341	Meeting:	July 18, 2022
	Agenda Item:	7	Roll Call:	[]
	Submitted by:	Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Approving and authorizing the execution of the Iowa Department of Transportation (IDOT) Agreement for the Intelligent Transportation Systems Upgrade – Phase 3.

SYNOPSIS:

Recommend approval of IDOT Agreement No. 1-22-STBG-SWAP-019 between the City of Des Moines and IDOT for the Intelligent Transportation Systems Upgrade – Phase 3.

FISCAL IMPACT:

Amount: \$3,000,000

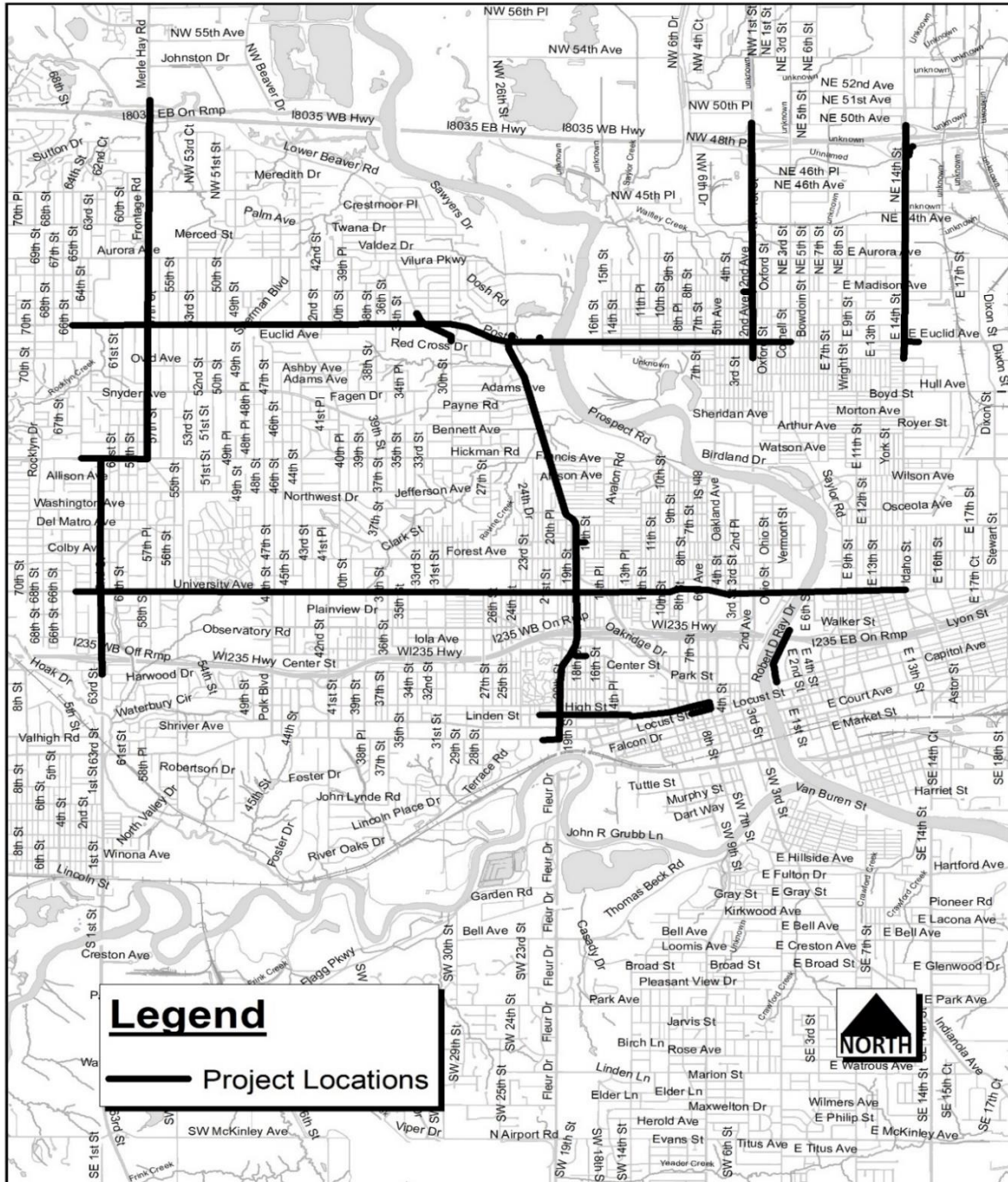
Funding Source: – Various funding being:

- \$1,000,000 – Transportation Block Grant (STBG) Program Federal-aid Swap funds
- \$2,000,000 – 2022-23 CIP, Page Street Improvements – 174, Traffic System Operation Improvements, TR097, G.O. Bonds

ADDITIONAL INFORMATION:

- The City of Des Moines Intelligent Transportation System (ITS) Master Plan Report was completed and adopted by the City Council in June 2018. The Report outlines a 7-phase implementation plan to upgrade of the City’s ITS systems (traffic signals, communication network, video camera observation system, central management software, etc.) which will enable the City to actively manage traffic during peak travel times, special events, construction detours, and emergency situations. This capability will provide safer and more efficient travel for people throughout the region as they travel to, from, or within Des Moines.
- Phase 3 of the ITS Master Plan implementation includes upgrading the traffic signal system communications infrastructure, communications network, traffic signal cabinet/controller and ITS equipment of the traffic signals, including upgrading 78 traffic signal controller systems, installing 16 uninterruptable power supply systems, and replacing or installing nearly 97,000 feet of fiber optic cable, identified in the map below. The estimated project cost of Phase 3 is \$3.0 million.

- On November 19, 2018, by Roll Call No. 18-1894, City Council authorized the submittal of Federal STBG Fund Federal Fiscal Year (FFY) 2023 Applications to the Des Moines Area Metropolitan Planning Organization, which included an application for the Intelligent Transportation Systems Upgrade – Phase 3. The City was awarded \$1,000,000 for the Intelligent Transportation Systems Upgrade – Phase 3 project. The remaining \$2,000,000 cost of the project will be funded by G.O. bonds.
- Design for this project is underway, and this project will be bid in the fall of 2022 with construction anticipated to begin in spring 2023.



PREVIOUS COUNCIL ACTION(S):

Date: November 19, 2018

Roll Call Number: [18-1894](#)

Action: [Authorizing](#) submittal of Federal Surface Transportation Block Grant (STBG) and Transportation Alternative Program (TAP) fund Fiscal Year (FY) 2023 applications to the Des Moines Metropolitan Planning Organization (MPO). ([Council Communication No. 18-627](#)) Moved by Mandelbaum to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Anticipated actions include approving professional services agreement for design services, 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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