 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date:	October 9, 2017
	Agenda Item No.	6A
	Roll Call No.	<u>17-1710</u>
	Communication No.	<u>17-722</u>
	Submitted by:	Pamela S. Cooksey, P.E., City Engineer

AGENDA HEADING:

Ordering construction of the following: E. 6th Street and Des Moines Street Traffic Signals - Receiving bids, (10-24-17), and Setting date of hearing, (11-6-17). Construction Estimate - \$205,000.

SYNOPSIS:

Recommend the City Council proceed with construction of the improvement and set dates to receive bids and hold a public hearing, as required by Iowa Code, utilizing the method of financing referenced below. The project includes the construction of a new traffic signal, pavement markings, and sidewalk ramps at the intersection of E. 6th Street and Des Moines Street.

FISCAL IMPACT:

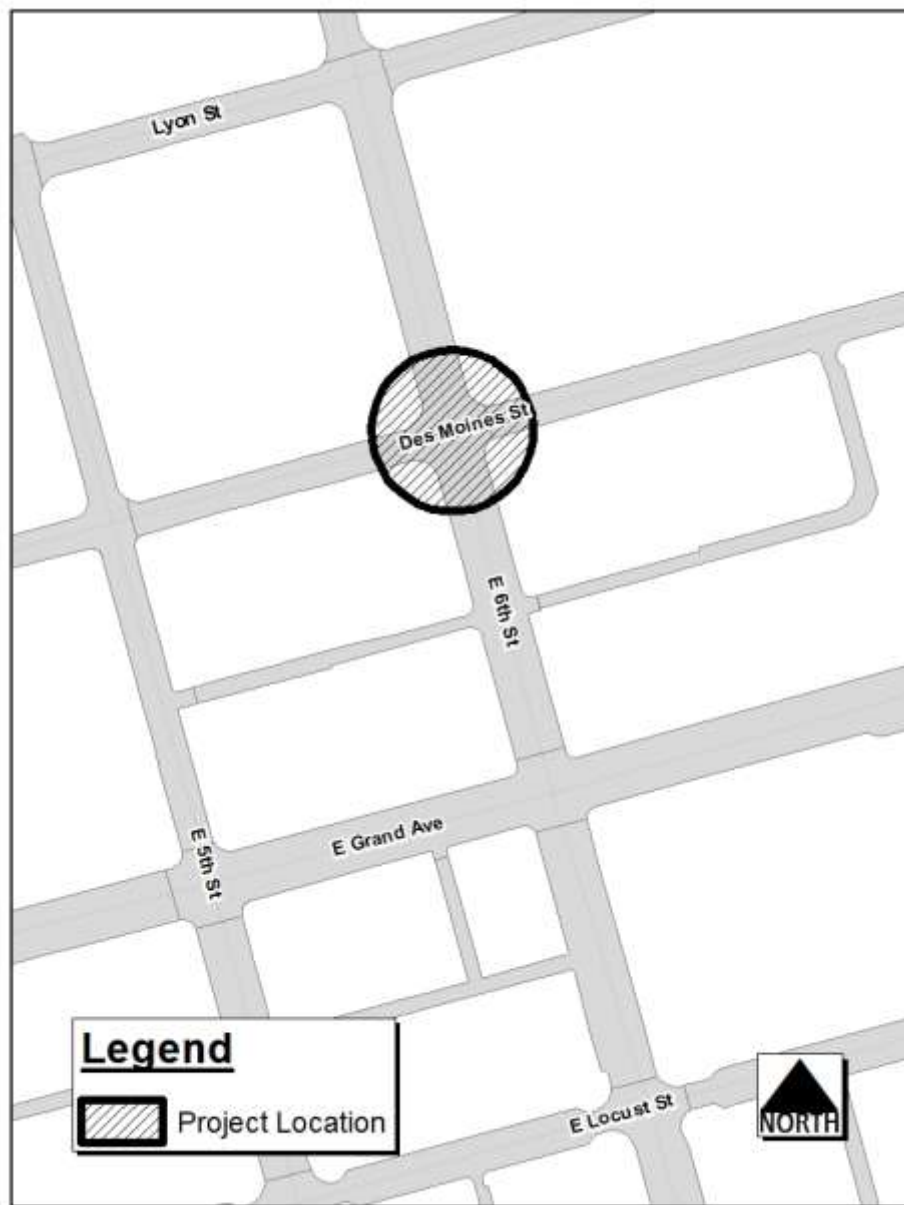
Amount: \$205,000 City Engineer's Estimate

Funding Source: 2017-2018 CIP, Page Streets – 44, Traffic Signals, Channelization, and School Crossings, TR091, G. O. Bonds

ADDITIONAL INFORMATION:

- The Engineering Department has prepared plans, specifications, form of contract documents, and City Engineer’s estimate for the construction of the E. 6th Street and Des Moines Street Traffic Signals, 04-2017-020. The improvement includes the construction of traffic signals, vehicle loop detectors, pavement markings, Portland Cement Concrete (PCC) sidewalk ramps, and other incidental items; all in accordance with the contract documents, including Plan File Nos. 587-185/199, located at the intersection of E. 6th Street and Des Moines Street, Des Moines, Iowa.
- The estimated construction cost is \$205,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.
- This project was identified through an engineering study of the existing traffic operations and safety at Des Moines Street and E. 6th Street. The study showed an existing crash problem with broadside crashes, 10 crashes occurred here in 2016, along with a large volume of southbound traffic queuing back up past Lyon Street during the morning rush.

- Several solutions were proposed to address these issues including changing E. 6th Street to one-way travel southbound, keeping E. 6th Street two-way and eliminating the southbound travel lane, or installing an all-way stop at the intersection. These options were not preferred as each of these would cause increased southbound queuing in the morning rush up to the I-235 ramps. For this reason, the installation of a traffic signal was pursued. Signalizing this intersection is the preferred treatment to address the crash and queuing concerns at this intersection. The traffic signal would be interconnected to the existing traffic signals at the I-235 ramp and at E. Grand Avenue to keep the southbound traffic backup from increasing.
- New traffic signals include significant capitol and ongoing maintenance costs; however, this signal should result in a decrease of the broadside crashes occurring at the intersection.



PREVIOUS COUNCIL ACTION(S): NONE

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Anticipated actions include 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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