


COUNCIL COMMUNICATION

 CITY OF DES MOINES OFFICE OF THE CITY MANAGER	Number:	25-013	Meeting:	January 13, 2025
	Agenda Item:	7G	Roll Call:	25-0014
	Submitted by:	Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Ordering construction of the following: 2025 Traffic Signal Replacement Contract 1 - Receiving bids, (1-28-25), and Setting date of hearing, (2-10-25). (Construction Estimate - \$1,100,000).

SYNOPSIS:

Recommend the City Council order 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 replacement of traffic signals at the intersection of Keosauqua Way and 12th Street and the intersection of 9th Street and Walnut Street, and replacement of the sidewalk curb ramps at these intersections to meet Americans with Disabilities Act (ADA) requirements. This project also includes:

- Constructing concrete bumpouts/curb extensions at 12th Street and Keosauqua Way, which will add on-street parking along Keosauqua Way and reduce southbound Keosauqua Way to two (2) lanes south of 12th Street. Northbound Keosauqua Way would be reduced to two (2) lanes from 12th Street to Crocker Street.
- Constructing concrete bumpouts/curb extensions on Keosauqua Way near 9th Street to shadow parking and reduce driver confusion with current required merge with traffic on 9th Street.
- Adding a Rectangular Rapid Flash Beacon (RRFB) pedestrian crossing at the currently uncontrolled southbound transition from Keosauqua Way to 9th Street.
- Restriping on 9th Street to better align lanes and allow for the removal of peak hour parking restrictions on 9th Street to the south all the way to the viaduct.

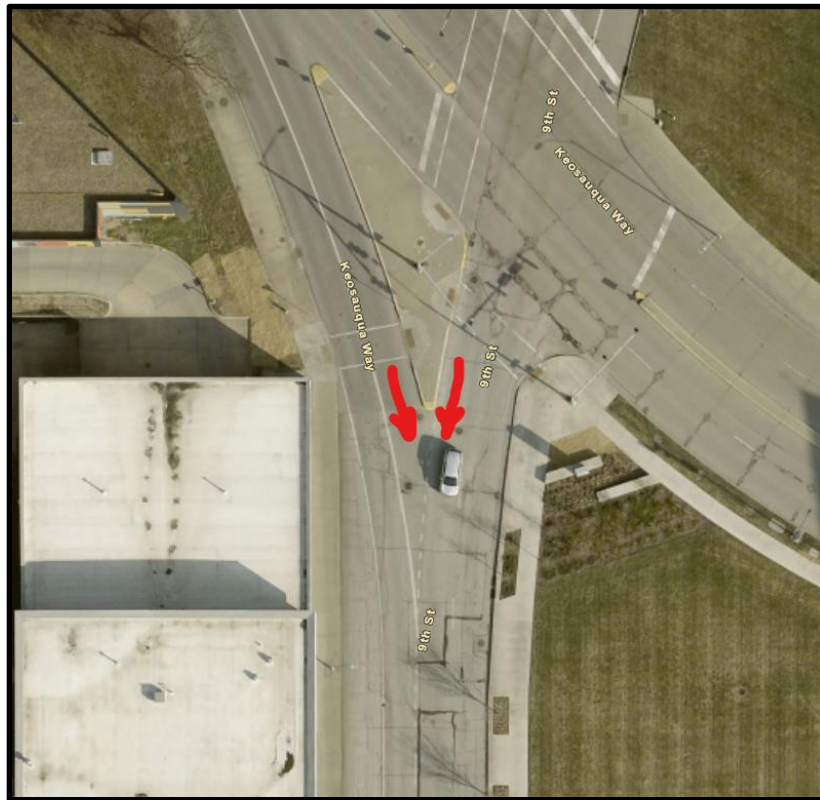
FISCAL IMPACT:

Amount: \$1,100,000 City Engineer's Estimate

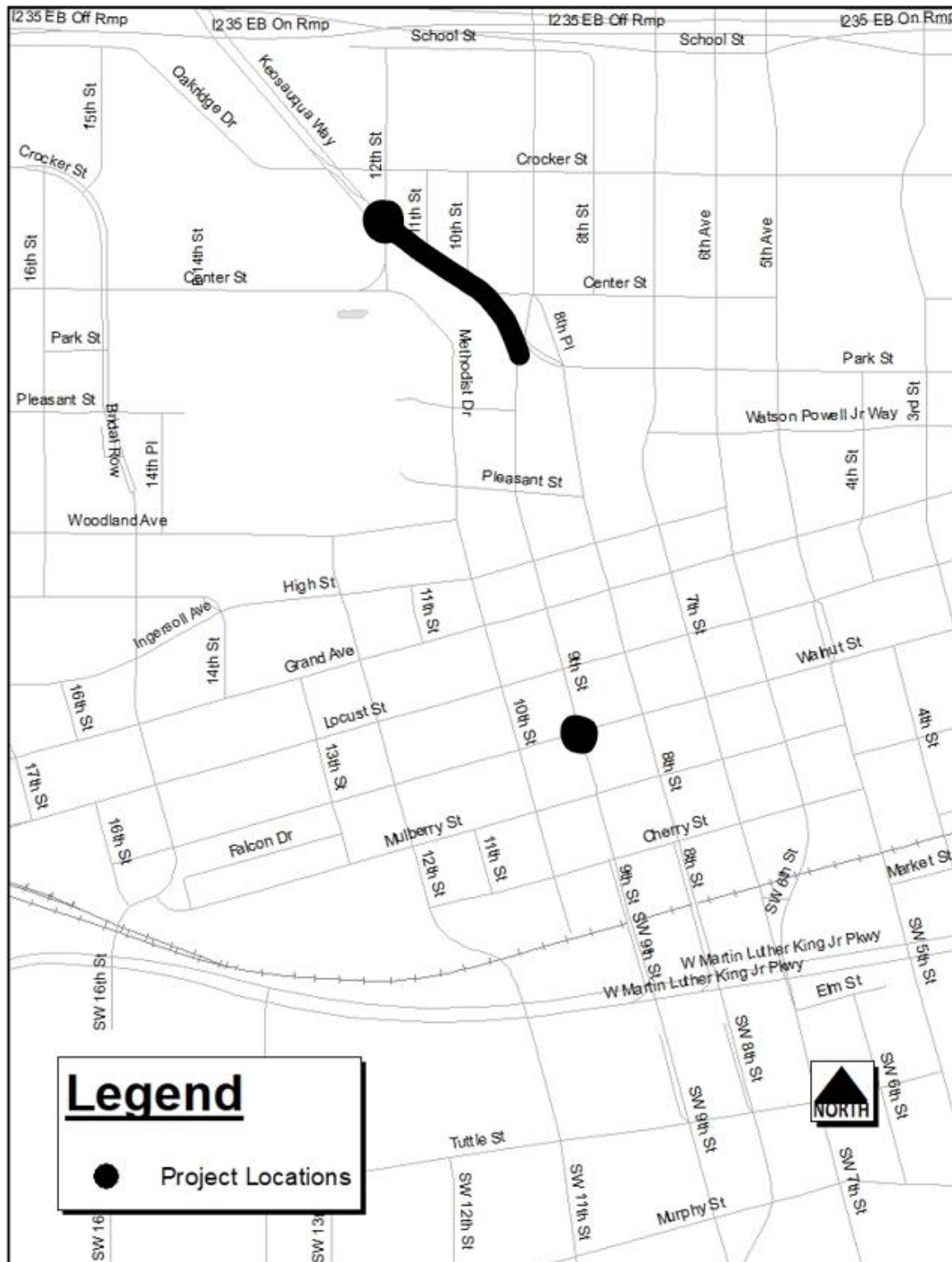
Funding Source: Fiscal Year (FY) 2024-2025 Capital Improvement Program (CIP), Page 162, Traffic Signals – Replacement, TR091, G.O. Bonds

ADDITIONAL INFORMATION:

- The Engineering Department has prepared plans, specifications, form of contract documents, and City Engineer's estimate for the construction of the 2025 Traffic Signal Replacement Contract 1, Activity ID 04-2024-007. The improvement includes new traffic signal system, vehicle detector loops, Portland Cement Concrete (PCC) sidewalks, PCC Curb and Gutter, PCC median, pavement markings, traffic signage and other incidental items, all in accordance with the contract documents including Plan File No. 672-109/162, located on Keosauqua Way from 9th Street to 12th Street and the intersection of 9th Street and Walnut Street.
- The estimated construction cost is \$1,100,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.
- The traffic signals at the intersection of 9th Street and Walnut Street are being replaced due to the age of the infrastructure and equipment, and the sidewalk curb ramps need improvements to meet ADA requirements.
- The traffic signals at the intersection of Keosauqua Way and 12th Street are being replaced due to the age of the infrastructure and equipment and having inadequate length of the signal mast arms to add protected left turning phases. Sidewalk will need to be removed and replaced on each corner of the intersection to replace the traffic signals.
- Keosauqua Way between I-235 and the area of 9th/10th/Center currently has three (3) lanes in each direction.
- With multiple, recent developments occurring on this stretch of corridor, City Councilmembers and City staff have received multiple requests for calming traffic and adding on-street parking along Keosauqua Way. The speed limit on this stretch of roadway was recently reduced from 30 miles per hour (mph) to 25 mph in July of 2024.
- City Engineering developed a concept to reduce the number of travel lanes on Keosauqua Way and add parking between 9th Street and Crocker Street, that includes the following improvements:
 - Constructing concrete bumpouts/curb extensions at 12th Street and Keosauqua Way, which will add on-street parking along Keosauqua Way and reduce southbound Keosauqua Way to two (2) lanes south of 12th Street. Northbound Keosauqua Way would be reduced to two (2) lanes from 12th Street to Crocker Street.
 - Constructing concrete bumpouts/curb extensions on Keosauqua Way near 9th Street to shadow parking and reduce driver confusion with current required merge with traffic on 9th Street (see *image below highlighting merge of Keosauqua Way and 9th Street traffic*).



- Adding an RRFB pedestrian crossing at the currently uncontrolled southbound transition from Keosauqua Way to 9th Street.
- Restriping on 9th Street to better align lanes and allow for the removal of peak hour parking restrictions on 9th Street to the south all the way to the viaduct.
- With this concept, north of Crocker Street, Keosauqua Way would still have three (3) lanes in each direction. Based on the traffic modeling, traffic operations on Keosauqua Way with this lane reduction will be similar to traffic operations today. These improvements would also provide the following benefits:
 - Reduce pedestrian crossing distances of Keosauqua Way at 9th Street and 12th Street.
 - Add an active crossing of Keosauqua Way near 9th Street, which is currently uncontrolled.
 - Add approximately 40 parking spaces on Keosauqua Way where they have been requested by several adjacent properties.
 - Provide traffic calming due to reduced street width.
- Construction of this project is anticipated to be completed in fall 2025; however, the contractor shall not begin work at locations where private property rights are required until June 1, 2025, or until the actual date the property acquisition process is completed.



PREVIOUS COUNCIL ACTION(S): NONE

BOARD/COMMISSION ACTION(S):

This project will be presented to the Transportation Safety Committee in either February or March 2025.

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.

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.