


COUNCIL COMMUNICATION

	Number:	22-148	Meeting:	April 4, 2022
	Agenda Item:	7A	Roll Call:	[_____]
	Submitted by:	Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Ordering construction of the following: 2022 City-Wide Traffic Calming Improvements - Receiving bids, (4-19-22), and Setting date of hearing, (5-9-22). Construction Estimate - \$475,000.

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. This project provides traffic calming treatments utilizing speed humps, curb extensions, chicanes, raised crosswalks, raised intersections, sidewalks, and Americans with Disabilities Act (ADA)-compliant sidewalk curb ramps to improve the safety of streets within the project locations.

FISCAL IMPACT:

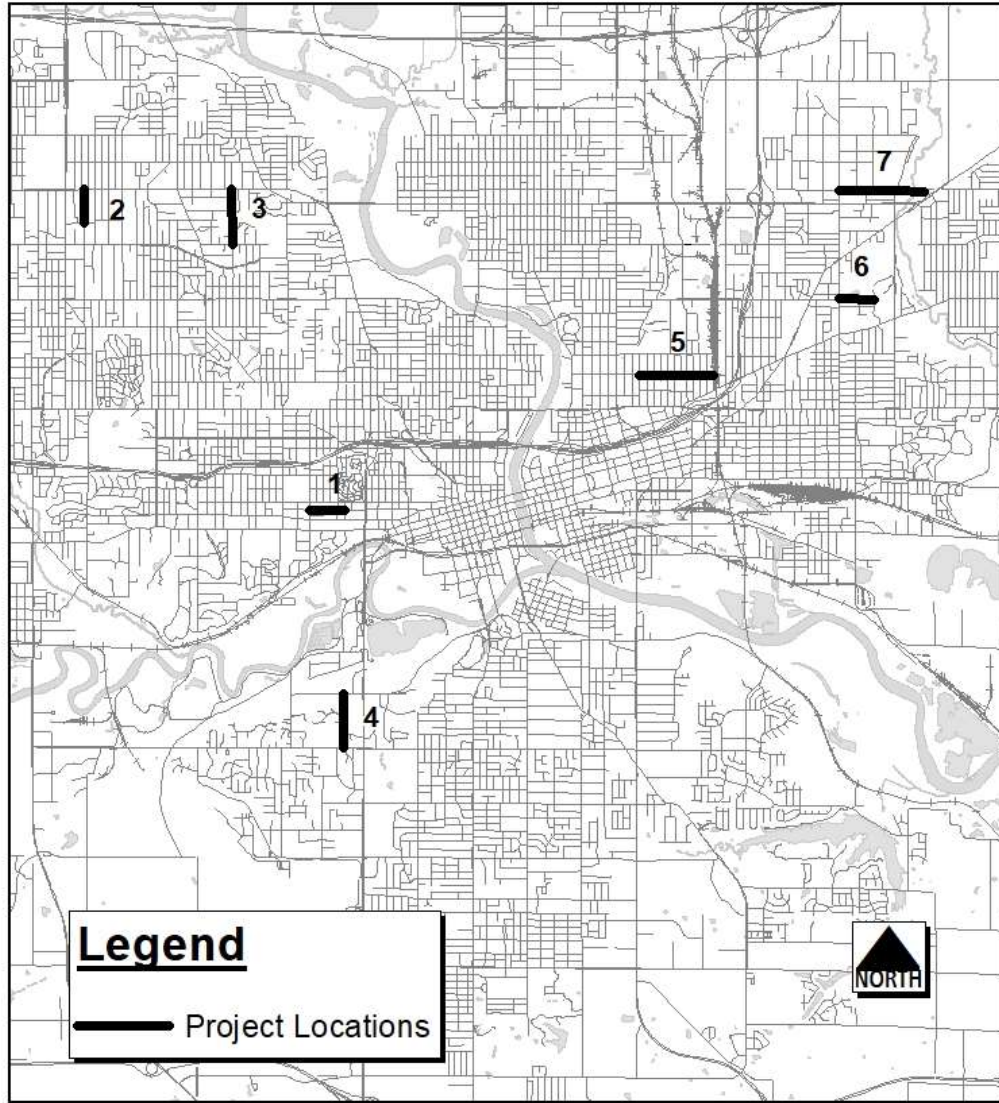
Amount: \$475,000 City Engineer's Estimate

Funding Source: 2022-23 CIP, Page 166, Traffic Studies & Improvements, TR031, 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 2022 City-Wide Traffic Calming Improvements, Activity ID 04-2022-011. The improvement includes Portland Cement Concrete (PCC) pavement, Hot Mix Asphalt (HMA) paving, milling, PCC sidewalks, PCC curb and gutter, PCC raised crosswalks, PCC chicane, PCC curb extension removals, earthwork, storm sewer, intakes, pavement markings, traffic control, traffic signs, and surface restoration; all in accordance with the contract documents, including Plan File No. 641-268/324, located at the following locations within the City of Des Moines:
 - High Street between 24th Street and 28th Street.
 - 56th Street between Ovid Avenue and Douglas Avenue.
 - 38th Street between Adams Avenue and Douglas Avenue.
 - S.W. 23rd Street between Park Avenue and Bell Avenue.
 - Cleveland Avenue between Hutton Street and Wayne Street.
 - Guthrie Avenue between E. 29th Street and E. 32nd Street.
 - E. Douglas Avenue between E. 29th Street and Hubbell Avenue.

- The estimated construction cost is \$475,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.
- On November 20, 2017, by Roll Call Number 17-2003, City Council approved the establishment of a Traffic Calming Program for Des Moines' neighborhoods that includes the program process, requirements, and consideration of future funding. The goal of this program is to reduce vehicular speeds and discourage traffic not related to residential use to provide a more livable neighborhood that encourages walking and biking.
- The 2022 City-Wide Traffic Calming Improvements include a variety of traffic calming measures, including:
 - Speed tables – midblock traffic calming devices that raise the entire wheelbase of a vehicle to reduce its traffic speed. Speed tables are longer than speed humps and flat-topped.
 - Raised crosswalks –like speed tables, but instead located at a crosswalk, which are elevated to bring the crosswalk from street level to sidewalk level.
 - Curb extensions – sometimes called bumpouts, and visually and physically narrow the roadway, which can also create safer and shorter crossings for pedestrians at crossings.
 - Chicanes – offset curb extensions on streets that create a chicane (narrowing or turn) effect that slows traffic speeds.
- The 2022 City-Wide Traffic Calming Improvements include the following improvements developed from the City's Traffic Calming Program:
 - High Street between 24th Street and 28th Street – construction of three (3) speed tables.
 - 56th Street between Ovid Avenue and Douglas Avenue – construction of three (3) speed tables.
 - 38th Street between Adams Avenue and Douglas Avenue – construction of a speed table, chicane, raised crosswalk, and filling in a sidewalk gap north of Amick Avenue.
 - S.W. 23rd Street between Park Avenue and Bell Avenue – construction of two (2) raised crosswalks and one (1) speed table.
 - Cleveland Avenue between Hutton Street and Wayne Street – construction of six (6) speed tables, a raised intersection at E. 17th Street, and a curb extension at the southwest corner at Wayne Street.
 - Guthrie Avenue between E. 29th Street and E. 32nd Street – construction of two (2) speed tables and a curb extension.
 - E. Douglas Avenue between E. 29th Street and Hubbell Avenue – construction of six (6) speed tables.
- Construction of this project is anticipated to begin in spring 2022 and be completed in fall 2022.



1. High St - 28th St to 24th St
2. 56th St - Ovid Ave to Douglas Ave
3. 38th St - Adams Ave to Douglas Ave
4. SW 23rd St - Bell Ave to Park Ave

5. Cleveland Ave - Hutton St to Wayne St
6. Guthrie Ave - E 29th St to E 32nd St
7. E Douglas Ave - E 29th St to Hubbell Ave

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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