


COUNCIL COMMUNICATION

 CITY OF DES MOINES OFFICE OF THE CITY MANAGER	Number:	24-211	Meeting:	May 20, 2024
	Agenda Item:	6A	Roll Call:	[]
	Submitted by:	Jonathan A. Gano, P.E., Public Works Director, and Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Ordering construction of the following: Twana Drive Reconstruction from West of 48th Street to East of 50th Street - Receiving bids, (6-4-24), and Setting date of hearing, (6-17-24). (Construction Estimate - \$160,000).

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 for the removal and replacement of Portland Cement Concrete (PCC) curb and gutter sections at select locations and replacement of all the roadway pavement on Twana Drive from west of 48th Street to east of 50th Street with Roller Compacted Concrete (RCC) pavement.

FISCAL IMPACT:

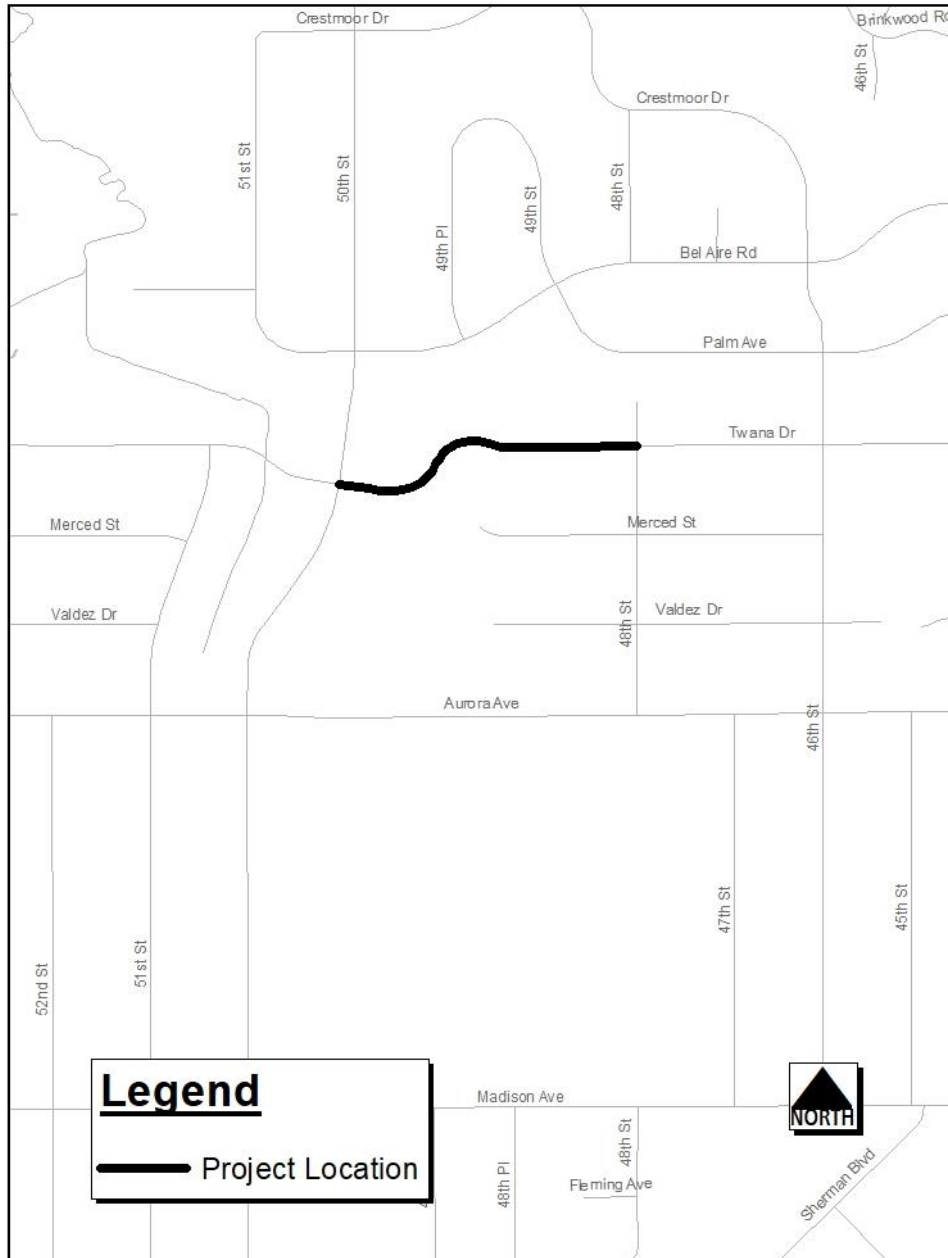
Amount: \$160,000 City Engineer's Estimate

Funding Source: Fiscal Year (FY) 2024-2025 Capital Improvement Program (CIP), Page 81, PCC Pavement Replacement Program, ST065, 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 Twana Drive Reconstruction from West of 48th Street to East of 50th Street, Activity ID 06-2024-009. The improvement includes furnishing labor, equipment, and materials for the removal of existing PCC pavement, prepare subgrade/subbase, construct new pavement with seven (7) inches of Roller Compacted Concrete (RCC), and replace sections of PCC curb and gutter, all in accordance with the contract documents along Twana Drive from west of 48th Street to east of 50th Street and other locations as directed by the City Engineer.
- The estimated construction cost is \$160,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.
- The existing concrete pavement on Twana Drive from west of 48th Street to east of 50th Street needs complete replacement.

- This project includes replacing select sections of concrete curbs and gutters on Twana Drive from west of 48th Street to east of 50th Street, and complete removal of the existing concrete pavement and replacement with seven (7) inches of RCC.
- RCC, named for its method of construction, is placed with conventional or high-density asphalt paving equipment, and then compacted with rollers. RCC has the same basic ingredients (cement, water, aggregates such as crushed gravel or rock) as conventional PCC, but is a drier, stiffer mix that allows for faster construction typically at a lower cost than conventional PCC.
- Construction of this project is anticipated to be completed by fall 2024.



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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