


COUNCIL COMMUNICATION

	Number:	21-037	Meeting:	January 25, 2021
	Agenda Item:	6	Roll Call:	21-0069
	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: E. Douglas Avenue Reconstruction - E. 42nd Street to E. 56th Street - Receiving bids, (2-16-21), and Setting date of hearing, (3-8-21). Construction Estimate - \$8,190,440.

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 reconstruction of 1.5-miles of East Douglas Avenue from E. 42nd Street to E. 56th Street. This will include a new two-lane roadway with curbs, drainage improvements, and a 10-foot shared-use trail on the south side of the new roadway. The project also includes the construction of an approximate 2-acre storm water detention basin north of East Douglas Avenue, east of Brook Run Drive, and an approximate 2-acre storm water detention basin south of East Douglas Avenue, west of Brook Run Park. The storm water basin south of East Douglas includes ¼-mile shared use path loop in Brook Run Park and around the new basin.

FISCAL IMPACT:

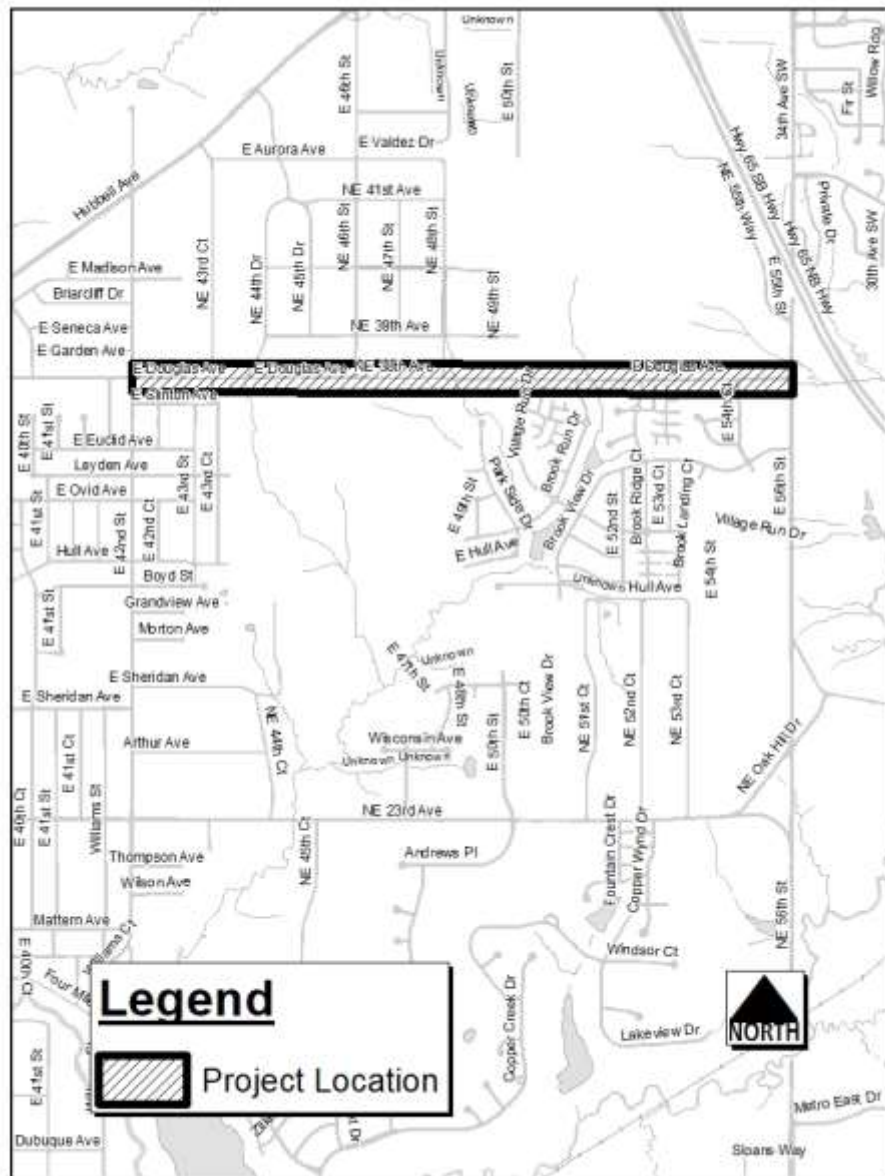
Amount: \$8,190,440 City Engineer's Estimate

Funding Source: 2020-2021 CIP, Page Street – 7, East Douglas Avenue Reconstruction - E 42nd - E 56th, ST270, Being: \$5,800,000 (maximum) Surface Transportation Block Grant Program Federal-aid Swap funds being 100% of eligible construction costs under STBG-SWAP-1945(841)--SG-77, \$125,386 Des Moines Water Works, and the remaining \$1,865,054 in G.O. Bonds; and the remaining \$400,000 in G.O. Bonds to be issued.

ADDITIONAL INFORMATION:

- The Engineering Department has prepared plans, specifications, form of contract documents, and City Engineer's estimate for the construction of the E. Douglas Avenue Reconstruction - E. 42nd Street to E. 56th Street, 06-2018-014. The improvement includes construction of Portland Cement Concrete (PCC) pavement eight (8) inches thick, PCC sidewalks, driveways, and trail, along with earthwork, clearing and grubbing, erosion control, subdrains, storm sewers, traffic control, traffic signals, surface restoration, necessary removals, and other incidental items; all in accordance with the contract documents, including Plan File Nos. 617-001/258, located on East Douglas Avenue between East 42nd Street and East 56th Street.

- The estimated construction cost is \$8,190,440. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.
- Construction of the improvement is anticipated to start this spring 2021 and be completed fall 2022.



- On December 3, 2012, by Roll Call No. 12-1825, City Council authorized the submittal of federal Surface Transportation Program (STP) Fund fiscal year (FY) 2017 applications to the Des Moines Area Metropolitan Planning Organization (MPO), which included an application for East Douglas Avenue Widening – E 42nd Street to E 56th Street. The City was awarded \$1,000,000 in FY 2017 STP Funds.

- On November 18, 2013, by Roll Call No. 13-1776, City Council authorized the submittal of federal STP Fund FY 2018 Applications to the MPO, which included an application for the East Douglas Avenue Widening – E 42nd Street to E 56th Street. The City was awarded \$2,000,000 in FY 2018 STP Funds.
- On November 21, 2016, by Roll Call No. 16-1974, City Council authorized the submittal of federal STP Fund FY 2018 Applications to the MPO, which included an application for the East Douglas Avenue Widening – E 42nd Street to E 56th Street. The City was awarded \$2,800,000 in FY 2021 STP Funds, providing for a total of \$5,800,000 in federal STP Funds for the project.
- At the time of the federal STP applications, a three-lane roadway with bicycle lanes was proposed.
- Since 2016, City staff have reviewed the traffic data with future traffic projections and determined a three-lane roadway is not warranted.
- City staff recommended a two-lane roadway section with a shared use path on the south side of the roadway.
- City staff also recommended stormwater management improvements to manage roadway stormwater runoff and alleviate flooding and erosion in the Brook Run Neighborhood. The recommended stormwater management improvements include two (2) stormwater management basins:
 - 2-acre stormwater detention basin north of East Douglas Avenue, east of Brook Run Drive.
 - 2-acre stormwater detention basin south of East Douglas Avenue, west of Brook Run Park.



- A public meeting was held for the project on December 18, 2018 at a site at 3800 East Douglas Avenue. The feedback received from the public indicated area residents supported a two-lane roadway section instead of a three-lane roadway section, and residents desired a shared use path on the south side of the roadway. The Brook Run Neighborhood Association provided a letter at the meeting in support of the proposed two (2) stormwater basins.

- The two (2) proposed stormwater detention basins will provide approximately 1,000,000 cubic feet of storage volume to reduce flood risk downstream and reduce stormwater runoff and velocities downstream.
- A ¼-mile long shared use path loop will be constructed as part of the project in Brook Run Park and around the new (south) stormwater basin. Brook Run Park will also be expanded 1-acre to the east providing more green space to offset some of the space needed for the new stormwater basin.



PREVIOUS COUNCIL ACTION(S):

Date: April 8, 2019

Roll Call Number: [19-0581](#)

Action: [On](#) intent to commence a public improvement project to construct the East Douglas Avenue Widening – E. 42nd Street to E. 56th Street Project and to authorize acquisition of the necessary property interests, including agricultural land for the project. ([Council Communication No. 19-161](#)) Moved by Westergaard to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S):

Board: Transportation Safety Committee

Date: May 12, 2020

Resolution Number: N/A

Action: Presentation of Capital Improvement Program Update, including the East Douglas Avenue Reconstruction project for information only. No action was required.

Board: Parks and Recreation Board

Date: February 25, 2020

Resolution Number: 20-015

Action: Motion by Bollard to receive and file the Brook Run and East Douglas Trail Project. Second by Potter. Motion carried.

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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