

COUNCIL COMMUNICATION

	Number:	21-328	Meeting:	July 19, 2021
	Agenda Item:	9	Roll Call:	21-1088
	Submitted by:	Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Approving and authorizing the execution of the Iowa Department of Transportation (IDOT) agreement for the Walnut Street Bridge Replacement.

SYNOPSIS:

Recommend approval of IDOT agreement No. 1-21-STBG-SWAP-016 between the City of Des Moines and IDOT for the Walnut Street Bridge Replacement.

FISCAL IMPACT:

Amount: \$14,627,692

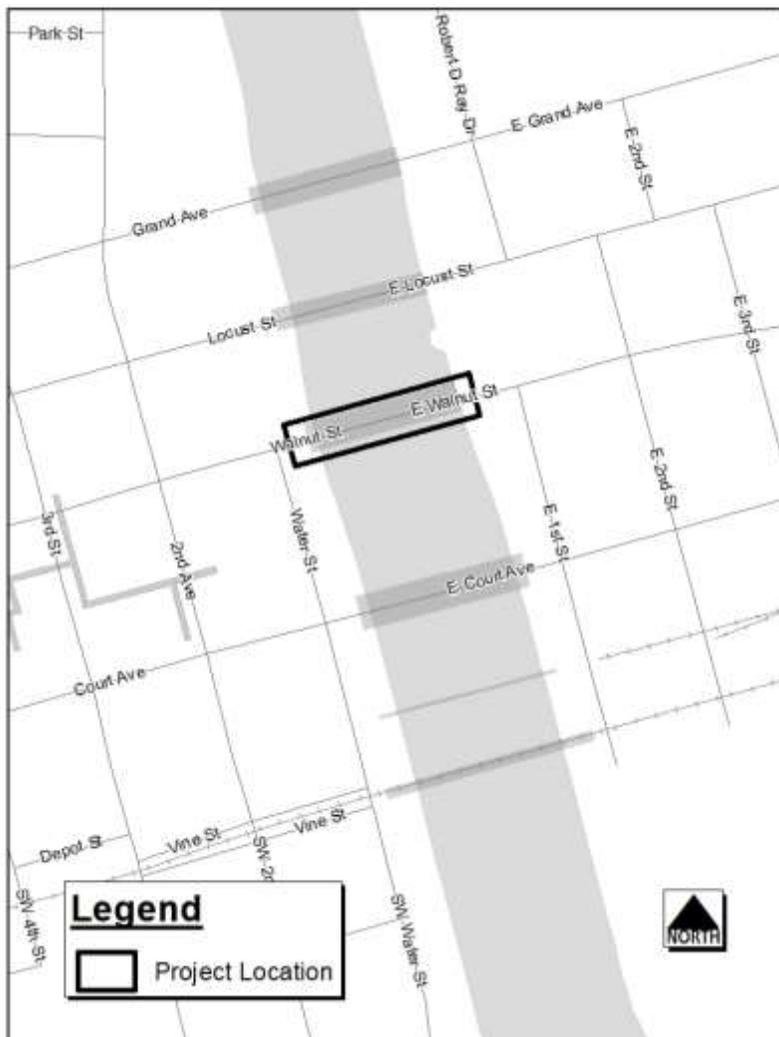
Funding Source: Various funding being:

- \$3,400,000 – Surface Transportation Block Grant (STBG) Program federal-aid swap funds
- \$11,227,692 – 2021-2022 CIP, Page 26, Walnut Street Bridge over the Des Moines River, BR059, G.O. Bonds

ADDITIONAL INFORMATION:

- The Walnut Street Bridge over Des Moines River was constructed in 1911 and underwent significant rehabilitation in 1966. Some minor repairs were subsequently completed in 1990. The bridge is currently structurally deficient and has elements in poor condition; however, the bridge still adequately meets current vehicular loading requirements.
- In 2014, an agreement for professional services was entered into with Shuck-Britson, Inc. for an in-depth evaluation of the Locust Street, Walnut Street, and Court Avenue Bridges. Via a life-cycle cost analysis of rehabilitation versus replacement options for the Walnut Street Bridge, the replacement option was determined to have the lowest life-cycle cost.
- On October 14, 2019, by Roll Call No. 19-1574, City Council approved a Professional Services Agreement (PSA) with Shuck-Britson, Inc. for preliminary, final design, and construction phase services for the complete bridge replacement, including improvements to the Simon Estes Amphitheater vertical access lift and repairs to the east river wall.

- As part of the design of the Grand Avenue Bridge, an aesthetic review committee was established to help guide the decision-making process regarding the future aesthetics of the downtown bridges. City Council’s approved design concept and budget were the starting point for the committee.
- On April 6, 2015, by Roll Call No. 15-0572, City Council approved the revised design concept for the Grand Avenue replacement bridge to proceed with the “metal panel scallop” design concept. This same design concept was used on the Locust Street Bridge (completed in 2021). The Walnut Street Bridge replacement is planned to utilize the same aesthetic appearance as the Grand Avenue Bridge and Locust Street Bridge.
- On November 19, 2018, by Roll Call No. 18-1894, City Council authorized the submittal of Federal STBG Fund federal Fiscal Year (FY) 2023 Applications to the Des Moines Area Metropolitan Planning Organization, which included an application for the Walnut Street Bridge Replacement. The City was awarded \$3,400,000 for the Walnut Street Bridge Replacement project. The remaining \$11,227,692 cost of the project will be funded by G.O. bonds.
- Construction of the Walnut Street Bridge replacement project is scheduled to begin in 2022 and be completed in the first half of 2024.



PREVIOUS COUNCIL ACTION(S):

Date: November 19, 2018

Roll Call Number: [18-1894](#)

Action: [Authorizing](#) submittal of Federal Surface Transportation Block Grant (STBG) and Transportation Alternative Program (TAP) fund Fiscal Year (FY) 2023 applications to the Des Moines Metropolitan Planning Organization (MPO). ([Council Communication No. 18-627](#)) Moved by Mandelbaum to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Anticipated actions include approving PSA for design services, ordering construction, 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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