


# COUNCIL COMMUNICATION

 <p>CITY OF DES MOINES OFFICE OF THE CITY MANAGER</p>	Number:	<b>23-372</b>	Meeting:	<b>August 7, 2023</b>
	Agenda Item:	<b>11</b>	Roll Call:	<b>23-1067</b>
	Submitted by:	<b>Steven L. Naber, P.E., City Engineer</b>		

## AGENDA HEADING:

Approving and authorizing the execution of Iowa Department of Transportation (IDOT) Agreement number 1-22-STPU-041 for the Walnut Street Bridge Replacement over the Des Moines River, which rescinds IDOT Agreement number 1-21-STBG-SWAP-016.

## SYNOPSIS:

Recommend approval of IDOT Agreement No. 1-22-STPU-041 for the Walnut Street Bridge Replacement over the Des Moines River, which rescinds the previously approved IDOT Agreement No. 1-21-STBG-SWAP-016.

## FISCAL IMPACT:

Amount: \$19,500,000

Funding Source: Various funding being:

- \$3,400,000 – Surface Transportation Block Grant (STBG) Program federal-aid funds
- \$16,100,000 – 2023-2024 CIP, Page 26, Walnut Street Bridge over the Des Moines River, BR059, Being: Gaming Monies and Tax Increment Funding Bonds

## ADDITIONAL INFORMATION:

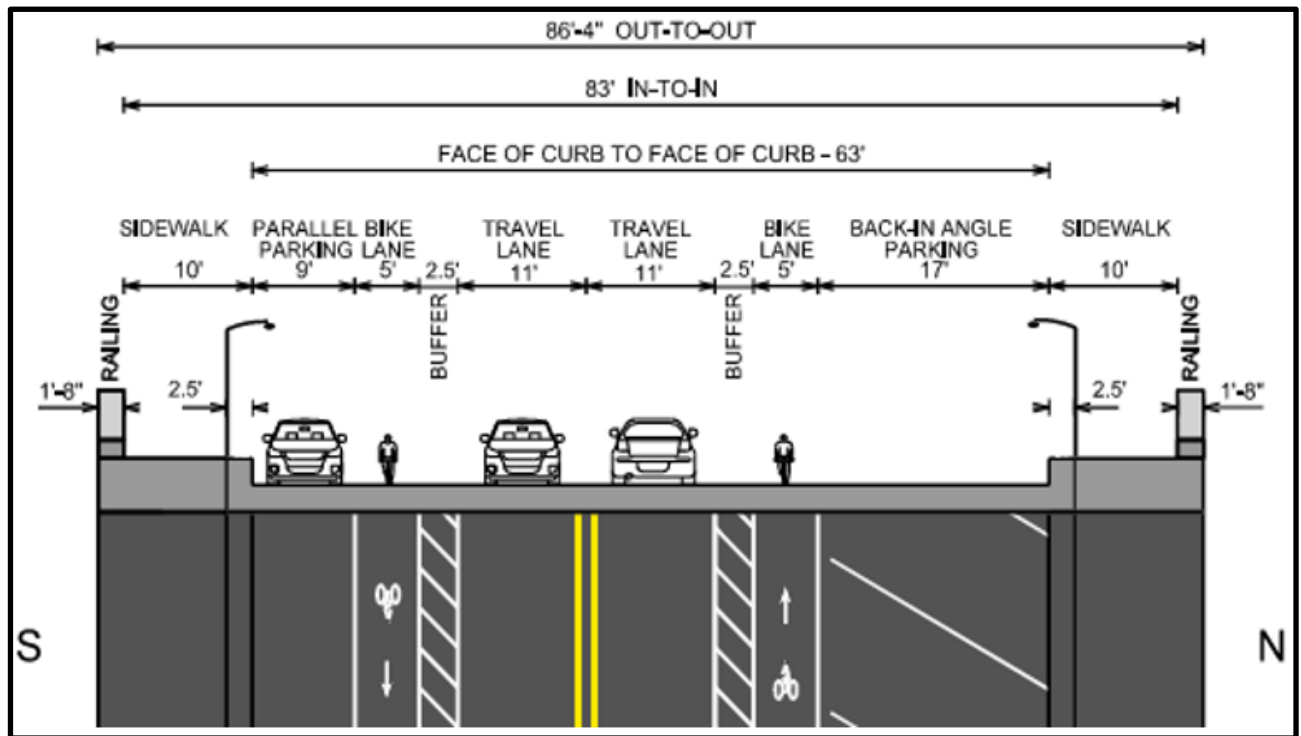
- The Walnut Street Bridge over Des Moines River was constructed in 1911. The bridge is a six (6)-span, 450-foot long closed-spandrel arch bridge, supported on concrete piers and abutments on timber piles. The bridge features a roadway width of 58'- 6" that carries one (1) lane of traffic in each direction, eight (8)-foot-wide sidewalks on both sides, and 88 free back-in-angle on-street parking spaces. Significant rehabilitation of the bridge was done in 1966 and minor repairs were completed in 1990.
- As required by Federal law, the bridge is inspected in accordance with the National Bridge Inspection Standards every two (2) years, and based on recent inspections, the bridge is considered to be in "Poor" condition.
- On January 27, 2014, by Roll Call No. 14-0116, City Council approved a Professional Services Agreement with Shuck-Britson, Inc., for the Des Moines River Downtown Bridges Evaluation, for

an amount not to exceed \$171,397, which included 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.

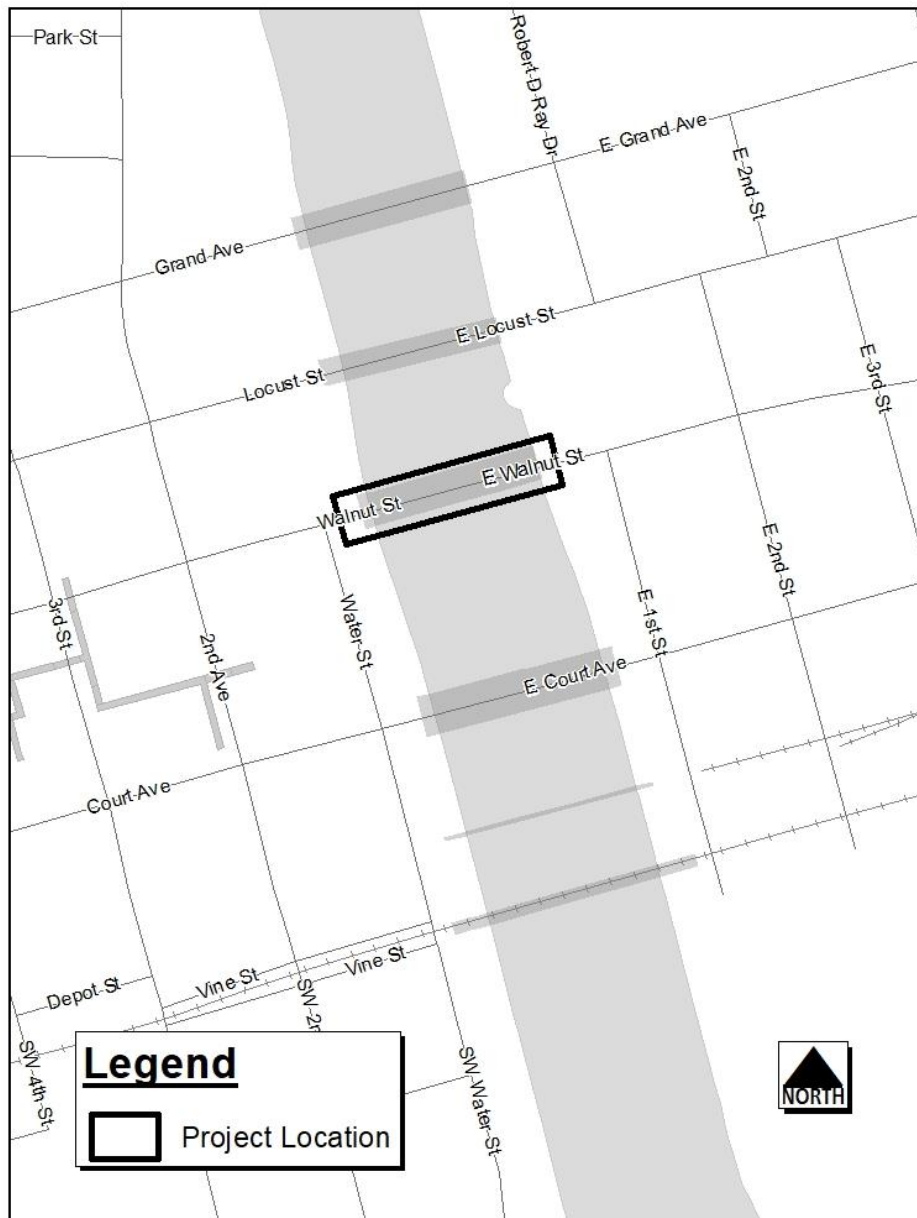
- On April 6, 2015, by Roll Call No. 15-0572, City Council approved the revised design concept for the Grand Avenue Bridge Replacement to proceed with the “metal panel scallop” design concept. This same design concept was also used on the Locust Street Bridge Replacement completed in 2021. The Walnut Street Bridge replacement is designed to utilize the same aesthetic design as the Grand Avenue and Locust Street Bridges.
- On November 21, 2016, by Roll Call No. 16-662, City Council authorized the submittal of Federal STBG Fiscal Year (FY) 2021 Applications to the Des Moines Area Metropolitan Planning Organization, which included an application for the Walnut Street Bridge Replacement. The City was awarded \$2,000,000 in STBG Funds for the Walnut Street Bridge Replacement project.
- On November 19, 2018, by Roll Call No. 18-1894, City Council authorized the submittal of Federal STBG FY2023 Applications to the Des Moines Area Metropolitan Planning Organization, which included an application for additional funding for the Walnut Street Bridge Replacement. The City was awarded an additional \$1,400,000 in STBG Funds, providing a total of \$3,400,000 in STBG Funds for the Walnut Street Bridge Replacement project.
- On October 14, 2019, by Roll Call No. 19-1574, City Council approved a Professional Services Agreement (PSA) with Shuck-Britson, Inc. for an amount not to exceed \$1,188,126, for preliminary design, 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 Des Moines River’s east river wall.
- On July 19, 2021, by Roll Call No. 21-1088, City Council approved and authorized the execution of the IDOT Agreement for the Walnut Street Bridge Replacement for \$3,400,000 in STBG Federal-aid Swap funds.
- Due to the implementation of the Infrastructure Investment and Jobs Act (IIJA), IDOT requires that the City of Des Moines convert the Federal-aid Swap funds for this project to Federal-aid funds. The new IDOT Agreement No. 1-22-STPU-041 rescinds the previously approved IDOT Agreement No. 1-21-STBG-SWAP-016.
- Design of the Walnut Street Bridge Replacement over Des Moines River is complete with final construction plans submitted to IDOT in preparation for construction bidding this winter, providing for construction to begin in 2024 and be completed in 2026.
- The total estimated construction cost for Walnut Street Bridge Replacement over Des Moines River project is \$19,500,000, which includes \$2,600,000 for replacement of the riverwall and balustrade along the east side of the Des Moines River between Court Avenue and Walnut Street.



Above Image: Rendering of Walnut Street Bridge Replacement Design



Above Image: Proposed Cross Section with Walnut Street Bridge Replacement



**PREVIOUS COUNCIL ACTION(S):**

Date: July 19, 2021

Roll Call Number: [21-1088](#)

Action: [Approving](#) and authorizing the execution of the IDOT Agreement for the Walnut Street Bridge Replacement. ([Council Communication No. 21-328](#)) Moved by Gatto to adopt. Motion Carried 7-0.

**BOARD/COMMISSION ACTION(S): NONE**

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

Anticipated actions include as supplemental agreement to the professional services agreement for additional design and construction administrative services for moving the project from a Department of Transportation SWAP Project to a Federal Aid Project and to bid the project in 2024, 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.

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](mailto:cityclerk@dmgov.org).