


COUNCIL COMMUNICATION

	Number: 24-266	Meeting: June 17, 2024
	Agenda Item: 8	Roll Call: 24-0845
	Submitted by: Steven L. Naber, P.E., City Engineer	

AGENDA HEADING:

Approving Supplemental Agreement No. 1 to the Professional Services Agreement (PSA) with Shuck-Britson, Inc. for professional services for Walnut Street Bridge over Des Moines River Replacement, not to exceed \$228,430.

SYNOPSIS:

Recommend approval of Supplemental Agreement No. 1 to the PSA with Shuck-Britson, Inc. (Timothy J. Monson, President, 400 E. Court Avenue, Suite 140, Des Moines, Iowa 50309) for an amount not to exceed \$228,430 based on hourly labor rates and reimbursable costs, to provide additional project coordination, additional design and plan development, and additional construction administration services for Walnut Street Bridge over Des Moines River Replacement project.

FISCAL IMPACT:

Amount: \$228,430

Funding Source: Fiscal Year (FY) 2024-2025 Capital Improvement Program (CIP), Page 3, Walnut Street Bridge over the Des Moines River, BR059, Being: Federal Surface Transportation Block Grant (STBG) funding allocated by the Des Moines Metropolitan Planning Organization (MPO), and Tax Increment Funding (TIF) Bonds

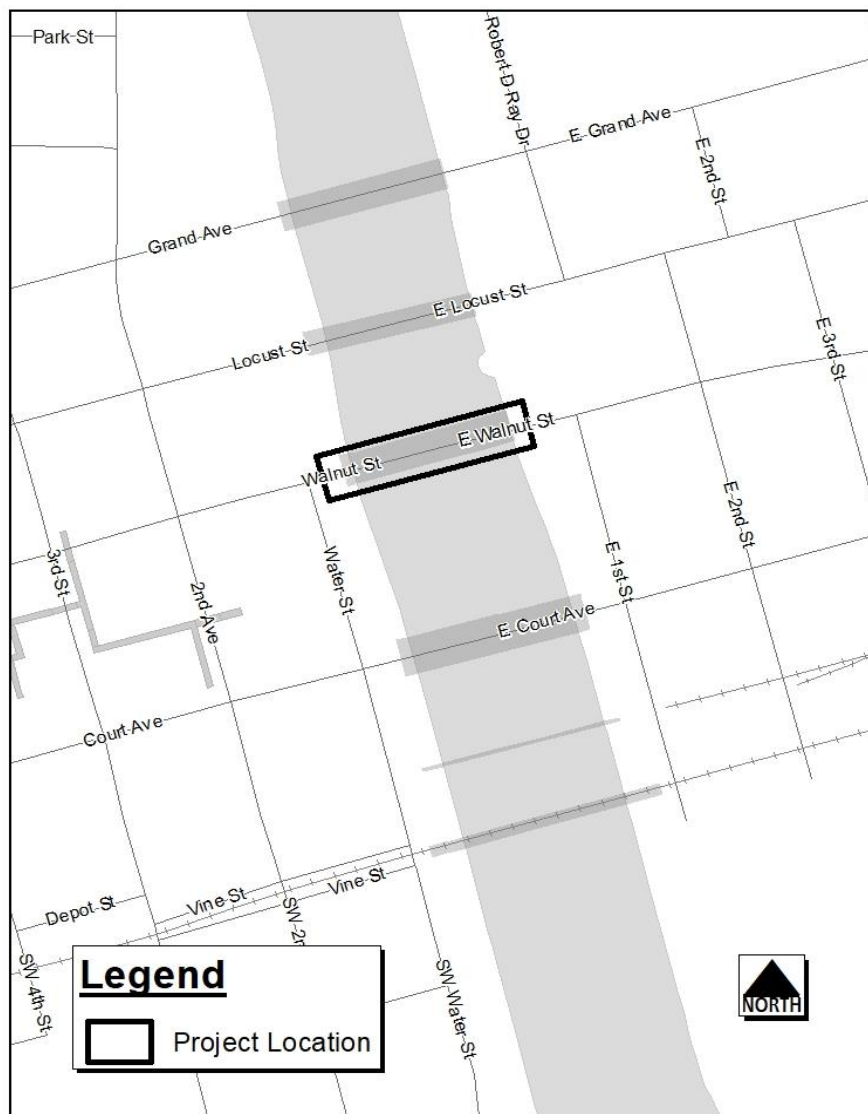
ADDITIONAL INFORMATION:

- 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 was 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.
- The existing six (6)-span bridge is being replaced with a new concrete beam four (4)-span bridge featuring standard bridge construction with an aesthetic metal panel facade, pedestrian railing, and LED lighting. The new bridge will maintain one (1) east bound lane, one (1) west bound lane, parallel parking on the south side, back-in angle parking along the north side, five (5)-foot-wide painted bike lanes, and 10-foot-wide sidewalks. This project also includes removal and replacement of the east riverwall with new balustrade railing between Walnut Avenue and Court Avenue.
- On November 21, 2016, by Roll Call No. 16-1974, City Council authorized the submittal of Federal STBG Fund FY 2021 Applications to the Des Moines Area MPO, which included an application for additional funding for the Walnut Street Bridge Replacement. The City was awarded \$2,000,000 in STBG Funds.
- 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 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 Iowa Department of Transportation (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 required 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 rescinded the previously approved IDOT Agreement No. 1-21-STBG-SWAP-016.
- On August 7, 2023, by Roll Call No. 23-1067, City Council approved and authorized the execution of IDOT Agreement No. 1-22-STPU-041 for the Walnut Street Bridge Replacement over the Des Moines River, which rescinds IDOT Agreement No. 1-21-STBG-SWAP-016.
- Removal of the Walnut Street Bridge started February 19, 2024, and construction of the new replacement bridge is anticipated to be complete in the fall 2026.

- City staff negotiated Supplemental Agreement No. 1 to the Agreement for Professional Services with Shuck-Britson, Inc. for an additional amount not to exceed \$228,430, based on hourly labor rates and reimbursable costs, to additionally provide project coordination, additional design services and plan design development, and additional construction phase services.
- Services included as part of this Supplemental Agreement No. 1 include:
 - Additional design and project coordination that is required because of funding modifications to the Federal-aid component of the project that is administered through IDOT, due to converting the Federal-aid Swap funds to Federal-aid funds.
 - Additional hydraulic design, modeling, and coordination requirements for regulatory permitting.
 - Further evaluation of project design alternatives due to cost considerations.
 - Develop design details for the east Riverwall repairs.
 - Additional construction phase services to simplify the reconstruction of the Riverwall based on existing wall details discovered.
 - Provide a construction web camera for 20 months.



PREVIOUS COUNCIL ACTION(S):

Date: October 14, 2019

Roll Call Number: [19-1574](#)

Action: [Approving](#) PSA with Shuck-Britson, Inc. for Walnut Street Bridge over Des Moines River Replacement, not to exceed \$1,188,126. ([Council Communication No. 19-443](#)) Moved by Gatto to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

City staff do not anticipate any future Council actions on this PSA at this time; however, unanticipated changes to this PSA would require a Supplemental Agreement, which may require Council action.

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