

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date:	December 18, 2017
	Agenda Item No.	8
	Roll Call No.	<u>17-2119</u>
	Communication No.	<u>17-860</u>
	Submitted by:	Pamela S. Cooksey, P.E., City Engineer

AGENDA HEADING:

Approving and authorizing the execution of the Iowa Department of Transportation (IDOT) Agreement for the Locust Street Bridge Replacement over the Des Moines River.

SYNOPSIS:

Recommend approval of IDOT Agreement No. 1-17-STPU-027 between the City of Des Moines and IDOT for the Locust Street Bridge Replacement over the Des Moines River.

FISCAL IMPACT:

Amount: \$8,000,000

Funding Source: Various funding being:

- \$1,000,000 - Federal Surface Transportation Block Grant Program
- \$7,000,000 - 2017-18 CIP, Page Bridge - 10, Locust Street Replacement over the Des Moines River, BR052, T.I.F. Bonds

ADDITIONAL INFORMATION:

- The structural evaluation report, prepared by Shuck-Britson, Inc. in 2013, discovered the Locust Street Bridge to be in worse condition than originally anticipated. The consultant evaluated the initial construction costs and life cycle costs for different repair options and replacement options. It was determined that the replacement option had the lowest life cycle cost and was recommended that the bridge be replaced rather than rehabilitated.
- This project includes the demolition of the existing bridge and construction of a new bridge. The new bridge will be a 4-span 446 foot, pretensioned-prestressed concrete beam bridge with concrete stem piers and semi-integral abutments, all with driven steel piling into bedrock. The bridge will support 2-lanes of traffic (one {1} in each direction), eastbound bicycle “sharrows”, and curb parking on both sides. Similar to Grand Avenue Bridge, a scalloped metal panel façade will be placed to hide the bridge beams and contribute to the aesthetic character of the bridge. These painted metal panels will be backlit with LED lighting. In addition, aesthetic elements and pedestrian level LED lighting will be carried into the pedestrian railing along the outside of the bridge which also serves as the vehicular crash rated railing.
- On July 29, 2016, U.S. Transportation Secretary Foxx announced the City of Des Moines has been awarded \$8,000,000 in funding from the Transportation Investment Generating Economic

Recovery (TIGER) grant program. The Locust Street Bridge project is one (1) of four (4) bridges included in the TIGER grant. Although no direct TIGER grant funding is made available for the Locust Street Bridge, the replacement of Locust Street Bridge is an integral part of the City's TIGER grant. The Locust Street project is scheduled for a June 19, 2018 IDOT letting.

- The Locust Street Bridge Replacement over the Des Moines River project received \$1,000,000 in Federal Surface Transportation Block Grant Program funding through the Des Moines Area Metropolitan Planning Organization. Federal regulations required the IDOT to administer federal funds. Iowa Code provides for recipients (in this case the City) and IDOT to enter into agreements with each other for the purpose of financing transportation improvement projects on streets and highways in Iowa with federal funds.

PREVIOUS COUNCIL ACTION(S):

Date: April 11, 2016

Roll Call Number: [16-0542](#)

Action: [Approving](#) and authorizing the application for a Department of Transportation TIGER Discretionary Grant for the Bridges to Opportunity: Des Moines' Community Connection Project. ([Council Communication No. 16-199](#)) Moved by Coleman to adopt. Motion Carried 7-0.

Date: November 18, 2013

Roll Call Number: [13-1776](#)

Action: [Authorizing](#) submittal of STP and TAP Fund FY 2018 Applications to the Des Moines Area Metropolitan Planning Organization. ([Council Communication No. 13-554](#)) Moved by Coleman to adopt. Motion Carried 6-0.

BOARD/COMMISSION ACTION(S):

Board: Urban Design Review Board

Date: May 16, 2017

Resolution Number: N/A

Action: Approved staff recommendation with Board comments forwarded. Project is to come back for Final Design approval.

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Anticipated actions include 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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