

 <div style="text-align: center;"> <h1>Council Communication</h1> <p>Office of the City Manager</p> </div>	Date:	April 25, 2016
	Agenda Item No. 9 Roll Call No. <u>16-656</u> Communication No. <u>16-218</u> Submitted by: Pamela S. Cooksey, P.E., City Engineer	

AGENDA HEADING:

Approving increase of total project costs for the design and construction of the Des Moines and Raccoon Rivers Project.

SYNOPSIS:

Recommend approval of increase of the total project costs to complete the Des Moines and Raccoon Rivers Project. The increase in total project costs includes the estimated costs to complete the design and construction of the Downtown Closures. The increased City share of the project provides the required local contribution of 35%.

FISCAL IMPACT:

Amount: \$3,232,450 (Federal \$2,462,000, City \$770,450)

Funding Source: The federal share of the project was included in the 2016 Federal Appropriations. The City's share of increased costs include \$770,450 from 2016-2017 CIP, Page Storm Water Improvements – 6, Flood Mitigation Improvements, SM087.

ADDITIONAL INFORMATION:

On October 12, 2009, by Roll Call No. 09-1833, City Council approved the Project Partnership Agreement (PPA), with a Corps of Engineers defined project totaling \$8,827,615 for the Birdland Park Levee, wetland mitigation, and downtown closure improvements. Subsequent increases to the total project were approved by City Council on:

- March 22, 2010, by Roll Call No. 10-0463, to secure stimulus funding, and
- March 28, 2011, by Roll Call No. 11-0553, for actual construction costs exceeding the estimate and the results of the Des Moines River Regulated Flow Frequency Study, and
- August 11, 2014, by Roll Call No. 14-1211, to increase total project costs for design and construction of the downtown closure improvements to provide 100-year or 0.01 probability flood protection consistent with the Des Moines River Regulated Flow Frequency Study.

In the fall of 2015, the Corps of Engineers began construction on two (2) of the nine (9) closures, I-235 Upstream Tie-Off and DM 51 – Carlisle Road. The Corps of Engineers will be awarding the construction of a third closure, DM 45 – Union Pacific Railroad flood swing gate closure, this month.

The Corps of Engineers has requested a payment of \$770,450 from the City to complete the following work on the remaining six (6) closures:

- DM 87 – Iowa Interstate Railroad bridge (east) – construct a swing gate closure (instead of a temporary closure reduction).
- DM 88 - Iowa Interstate Railroad bridge (west) – construct a stop log closure (instead of a temporary closure reduction).
- DM 79 – Walnut Street – construct a tie in floodwall closure between bridge and earthen levee.
- DM 81 – Court Avenue – construct a tie in floodwall closure between bridge and earthen levee.
- Construct earthen levee raise between DM 79 (Walnut Street) and DM 81 (Court Avenue) to complete the closure and provide 0.01 probability flood protection consistent with the Des Moines River Regulated Flow Frequency Study.
- DM 75 – Locust Street – furnish temporary flood fighting measures such as cellular containment systems (instead of the permanent reduction of temporary closure which would be removed during Locust Street bridge replacement scheduled to start in 2018).
- DM 77 – Amphitheater - furnish temporary flood fighting measures such as cellular containment systems (instead of the permanent reduction of temporary closure which did not include raising the remainder of the Amphitheater flood wall to provide 0.01 probability flood protection consistent with the Des Moines River Regulated Flow Frequency Study).

The described closures, in conjunction with raising the Riverwalk Red Multi-Use Trail Bridge, will be constructed to provide 0.01 probability flood protection consistent with the Des Moines River Regulated Flow Frequency Study. The total project costs for the Des Moines and Raccoon Rivers Project will be increased consistent with Corps of Engineer and Congressional limits and available federal funding, currently at \$26,747,000.

The 2016 Federal Appropriations included \$2,462,000 in funding to support the increased project cost. Based on funds provided to date, credits for costs incurred and estimated costs to complete the project, the Corps has requested a payment totaling \$770,450 for the City's share of the increased costs.

During construction of the above described work, there is a possibility the Corps of Engineers may request additional payment(s) from the City for the City's share of increased costs due to change orders during construction, such as unforeseen site conditions.

PREVIOUS COUNCIL ACTION(S):

Date: August 11, 2014

Roll Call Number: [14-1211](#)

Action: [Approving](#) increase of total project costs for the design and construction of The Des Moines and Raccoon Rivers Project. ([Council Communication No. 14-391](#)) Moved by Hensley to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE

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