

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date:	October 9, 2017
	Agenda Item No.	7
	Roll Call No.	<u>17-1712</u>
	Communication No.	<u>17-734</u>
	Submitted by:	Jonathan A. Gano, P.E., Public Works Director, and Pamela S. Cooksey, P.E., City Engineer

AGENDA HEADING:

Approving exception to Request for Proposal (RFP) process for good cause and approving Professional Services Agreement with The University of Iowa on behalf of the Iowa Institute of Hydraulic Research (IIHR), for the Des Moines River Upstream Mitigation Study, not to exceed \$454,996.

SYNOPSIS:

Recommend approving exception to RFP process for good cause and approving Professional Services Agreement with The University of Iowa on behalf of the IIHR, 2 Gilmore Hall, Iowa City, IA 52242, for the Des Moines River Upstream Mitigation Study, for a lump sum amount of \$449,996 plus reimbursable costs up to a total not to exceed amount of \$5,000.

FISCAL IMPACT:

Amount: \$454,996

Funding Source: 2017-2018 CIP, Storm Water Improvements – 6, Flood Mitigation Improvements, SM087

ADDITIONAL INFORMATION:

- On June 22, 2015, by Roll Call No. 15-1093, City Council approved an agreement with the Flood Mitigation Board and the Des Moines Metropolitan Wastewater Reclamation Authority (WRA), and by Roll Call No. 15-1094, City Council authorized the use of sales tax increment revenue to fund the costs of the Des Moines-WRA Flood Mitigation Project.
- The Project Plan in the joint application to the Iowa Flood Mitigation Board submitted by the City and WRA included the Upstream Mitigation Study which will examine and recommend mitigation strategies that could be implemented upstream of Des Moines that would reduce the flood risk and improve the reliability of flood protection and risk reduction measures with an expected cost of hundreds of millions of dollars. The vast majority of funding for upstream improvements is federal and state agricultural conservation funding. The output of this study will help direct those investments to deliver both water quality and water quantity benefits.

- The IIHR was selected to complete the Des Moines River Upstream Mitigation Study based on:
 - IIHR – Hydrosience and Engineering is a premiere hydraulics and water resources institute recognized across the nation and around the world for its advanced fundamental and applied engineering research.
 - IIHR is the home of the Iowa Flood Center (IFC), Iowa Geologic Survey (IGS) and co-founder of the Iowa Nutrient Research Center (INRC).
 - IIHR, thru IFC, IGS and INRC, has unique access to specialized datasets related to Iowa's stream network, hydrology, soils, land cover, and water quality information. Access to these data result is specific modeling and analysis efficiencies and reduce overall project costs.
 - IIHR was the lead partner, conceptualizing and writing the HUD-funded Iowa Watershed Approach (IWA) project that brought \$96.9 million to Iowa. This IWA project is conducting similar work to that proposed in the Des Moines River, in eight (8) watersheds across Iowa, including the North Raccoon River Watershed. Additionally, IIHR completed a similar watershed analysis project in the Middle-South Raccoon. Collectively, IIHR will provide comprehensive watershed information for the entire Raccoon and Des Moines River watersheds through the proposed Des Moines River project, the HUD-funded project and previous work.
 - IIHR has deployed and operates a unique hydrologic and water quality monitoring network throughout the state (including the Des Moines River basin). Through this network, it has unique understanding of the hydrology of Iowa's rivers and streams.
 - IIHR has unique hydrologic modeling software for analyzing the benefit of conservation practices on flood damage reduction and has applied this modeling software to numerous large watersheds in Iowa.
- City staff has negotiated a Professional Services Agreement with The University of Iowa on behalf of the IIHR for a lump sum amount of \$449,996 plus reimbursable costs up to a total not to exceed amount of \$5,000, to complete the Des Moines River Upstream Mitigation Study.

PREVIOUS COUNCIL ACTION(S):

Date: June 22, 2015

Roll Call Number: [15-1093](#) and [15-1094](#)

Action: Items regarding the Flood Mitigation Application: ([Council Communication No. 15-357](#))

- (A) [Approving](#) agreement with the Flood Mitigation Board and the Des Moines Metropolitan Wastewater Reclamation Authority. Sponsor: Mayor Cownie. Moved by Moore to adopt. Motion Carried 7-0.
- (B) [Authorizing](#) the use of sales tax increment revenue to fund the costs of the Des Moines-WRA Flood Mitigation Project. Sponsor: Mayor Cownie. Moved by Moore to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

City staff does not anticipate any future Council actions on this Professional Services Agreement at this time; however, unanticipated changes to this Professional Services Agreement will require a Supplemental Agreement, which may require Council action.

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 Administration Building, 400 E. Court Avenue Ste.116. 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.