

 <p style="text-align: center;"><b>Council</b> <b>Communication</b> Office of the City Manager</p>	<b>Date:</b>	October 26, 2015
	<b>Agenda Item No.</b>	<b>9</b>
	<b>Roll Call No.</b>	<b><u>15-1766</u></b>
	<b>Communication No.</b>	<b><u>15-569</u></b>
	<b>Submitted by:</b>	<b>Pamela S. Cooksey, P.E., City Engineer</b>

**AGENDA HEADING:**

Approving Supplemental Agreement No. 4 to the 2011 System Wide Local Flood Protection Project Improvements professional services agreement with HR Green, Inc., for design services, not to exceed \$32,300.

**SYNOPSIS:**

Recommend approval of Supplemental Agreement No. 4 with HR Green, Inc., James Rasmussen, President (Water), 5525 Merle Hay Road, Suite 200, Johnston, Iowa, for a total cost not to exceed \$32,300, based on hourly rates, to provide additional design services for the 2011 System Wide Local Flood Protection Project Improvements project.

**FISCAL IMPACT:**

Amount: \$32,300

Funding Source: 2015-2016 CIP – Page Storm Water Improvements-6, Flood Mitigation Improvements, SM087

**ADDITIONAL INFORMATION:**

On June 27, 2011, by Roll Call No. 11-1073, the City entered into a professional services agreement with HR Green, Inc. for design and construction services related to various improvements required on the levee system. Supplemental Agreement No. 1 added improvements identified during levee inspections at the time. With the exception of relief wells along the DM-II levee, all of the levee improvements identified in the original Agreement and Supplemental Agreement No. 1, have been completed, and accepted by City Council.

A preliminary design for a relief well system was developed and reviewed by the Corps of Engineers. In order to meet Corps requirements, it was determined, that additional testing of the test wells, and a revised conceptual design based on those test results would be required, which has been completed under Supplemental Agreement No.2.

Review of the revised conceptual design by the City and Stantec (the City’s consultant coordinating the City’s overall levee accreditation efforts) identified the need to develop a Basis of Design Report for use in future levee certification submittals to FEMA. A draft Basis of Design Report was developed under Supplemental Agreement No. 3, which was reviewed, by the City and Stantec. This review identified the need for additional geotechnical analysis to consider a passive relief well system, which does not

require pumping. If determined to be feasible, a passive relief well system would increase reliability while lowering operating and maintenance needs.

In addition, recent levee inspections have identified the need to abandon two (2) levee gatewells, and install additional riprap slope protection to meet Corps maintenance requirements. Staff has negotiated Supplemental Agreement No. 4 in the amount of \$32,300 to provide the design of these additional levee improvements and additional geotechnical analysis for the relief wells improvements.

#### **PREVIOUS COUNCIL ACTION(S):**

Date: June 9, 2014

Roll Call Number: [14-0836http://www.dmgov.org/government/citycouncil/rollcalls/2011/11-0428.pdf](http://www.dmgov.org/government/citycouncil/rollcalls/2011/11-0428.pdf)

Action: [Approving](#) Supplemental Agreement No. 2 to the 2011 System Wide Local Flood Protection Project Improvements Professional Services Agreement with Howard R. Green Company for design and construction phase services, not to exceed \$102,500. ([Council Communication No. 14-266](#)) Moved by Hensley to adopt. Motion Carried 7-0.

Date: August 27, 2012

Roll Call Number: [12-1332](#)

Action: [Approving](#) Supplemental Agreement No. 1 to the 2011 System Wide Local Flood Protection Project Improvements Professional Services Agreement with Howard R. Green Company for design and construction phase services, not to exceed \$33,000. ([Council Communication No. 12-446](#)) Moved by Meyer to adopt. Motion Carried 7-0.

Date: June 27, 2011

Roll Call Number: [11-1073](#)

Action: [Approving](#) Professional Services Agreement with Howard R. Green Company, in conjunction with design and construction phase services for the 2011 System Wide Local Flood Protection Project Improvements, not to exceed \$377,000. ([Council Communication No. 11-413](#)) Moved by Hensley to adopt. Motion Carried 7-0.

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

#### **ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE**

Normal Council actions on consultant services for design and construction administration, and construction contracts.

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).