

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date: August 11, 2014
	Agenda Item No. 13A Roll Call No. <u>14-1212</u> Communication No. <u>14-396</u> Submitted by: Pamela S. Cooksey, P.E., Acting City Engineer

AGENDA HEADING:

Approving Professional Services Agreement with Howard R. Green Company for engineering evaluation services for the Birdland and Central Place Levee Systems Evaluation project, not to exceed \$235,000.

SYNOPSIS:

Recommend approval of the Professional Services Agreement with Howard R. Green Company (James R. Rasmussen, President, 5525 Merle Hay Road, Suite 200, Johnston, Iowa, 50131) for a total cost not to exceed \$235,000, based on hourly rates to provide engineering evaluation services for the Birdland and Central Place Levee Systems Evaluation project.

FISCAL IMPACT:

Amount: \$235,000

Funding Source: 2014-15 Capital Improvement Program (CIP), Page Storm – 6, Des Moines River Flood Mitigation Improvements, SM087, \$235,000 Storm Water Utility Fund.

ADDITIONAL INFORMATION:

In 2013, the United States Army Corps of Engineers (Corps) completed two (2) construction projects which rebuilt the Birdland Park levee and the Central Place levee. Both levee improvement projects were designed and constructed to meet Corps and Federal Emergency Management Agency (FEMA) standards to provide protection from the 100 year design flood on the Des Moines River. For purposes of the National Flood Insurance Program, FEMA requires an engineering evaluation be completed to verify that FEMA levee accreditation standards (44 CFR 65.10) are met prior to showing the levee as providing flood protection on Flood Insurance Rate Maps.

The Corps is currently completing an engineering evaluation for the improvements that were completed as part of their Birdland and Central Place levee projects. However, there was some existing City infrastructure that was incorporated into the levee projects which the Corps did not design or construct. The City is responsible to provide the necessary engineering documentation for that infrastructure in the levee which existed prior to the Corps projects. The infrastructure to be evaluated by the City includes six (6) storm water pump stations, various sewer pipe crossings and gatewell structures. The engineering evaluation to be provided by the City will be incorporated into an overall levee certification package to be submitted by the Corps to FEMA.

Howard R. Green Company was selected by staff as the consultant to complete the engineering evaluation on behalf of the City. Howard R. Green was involved in previous projects related to the infrastructure to be evaluated including Central Place and Birdland levee pump station generator projects and Central Place pump station trash rack improvements. In addition, Howard R. Green provided previous FEMA levee certification evaluations for other City levee systems.

Staff has negotiated a Professional Services Agreement with Howard R. Green Company, for a total cost not to exceed \$235,000, based on hourly rates, to provide engineering services.

PREVIOUS COUNCIL ACTION(S):

Date: March 28, 2011

Roll Call Number: [11-0553](#)

Action: [Increase](#) of total project costs in project partnership agreement with the Department of the Army for construction of the Des Moines and Raccoon Rivers Project for the Birdland Park Levee. ([Council Communication No. 11-176](#)) Moved by Mahaffey to adopt. Motion Carried 7-0.

Date: June 28, 2010

Roll Call Number: [10-1020](#)

Action: [Approving](#) Project Partnership Agreement with the Department of the Army for construction of the Des Moines and Raccoon Rivers Project. ([Council Communication No. 10-411](#)) Moved by Hensley to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE

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