

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date: August 24, 2015
	Agenda Item No. 10B Roll Call No. <u>15-1411</u> Communication No. <u>15-465</u> Submitted by: Pamela S. Cooksey, P.E., City Engineer

AGENDA HEADING:

Approving Supplemental Agreement No. 1 to the Professional Services Agreement with Stantec Consulting Services, Inc. for additional levee system design and permitting support services for Levee Assessment and Analysis, in an amount not to exceed \$593,000.

SYNOPSIS:

Recommend approval of Supplemental Agreement No. 1 to the Professional Services Agreement with Stantec Consulting Services, Inc., John S. Montgomery, Vice President, 1859 Bowles Avenue, Suite 250, St. Louis, Missouri 63026, for a total cost not to exceed \$593,000, based on hourly rates, to provide additional levee system design and permitting support services for Levee Assessment and Analysis. This is Phase 2 of the anticipated services required to ultimately obtain USACE Section 408 approval and Federal Emergency Management Agency (FEMA) accreditation.

FISCAL IMPACT:

Amount: \$593,000

Funding Source: 2015-16 CIP, Page Storm Water Improvements – 6, Flood Mitigation Improvements, SM087, Sales Tax Increment, Storm Revenue Bonds Issued

ADDITIONAL INFORMATION:

On June 24, 2013, by Roll Call No. 13-1059, City Council approved a professional services agreement with Stantec for DM-I, DM-II and DM-III for Levee Assessment and Analysis. Work supported the City’s levee accreditation program relative to the requirements listed in the National Flood Insurance Program (NFIP) regulations cited in the Code of Federal Regulations (CFR) Title 44, Chapter 1, Section 65.10 (44 CFR 65.10) and included field reconnaissance, geotechnical exploration and laboratory testing, engineering analyses of freeboard, closure structures, embankment protection, levee and foundation stability, settlement, and interior drainage. Stantec also supported the City in coordination with the U.S. Army Corps of Engineers (USACE) relative to the requirements for levee alterations listed in United States Code (USC) Title 33, Chapter 9, Subchapter 1, Section 408. This included meetings with USACE to discuss Section 408 requirements, hydraulic risk analysis to evaluate impacts, and preparation of preliminary submittals. The above stated work was deemed Phase 1 of the levee accreditation program.

Phase 2 of the program, provided in the scope of services for this agreement, includes overall hydraulic model management for the river system (DM-I, DM-II, DM-III, and SEDM), development of a Four

Mile Creek two-dimensional hydraulic model, Section 408 coordination with USACE, Section 408 Concept Plan submittal, a Programmatic Environmental Assessment (EA), design support for geotechnical alterations, and design support for interior drainage conceptual improvement analysis. Subsequent phases are anticipated to include design and permitting of the individual hydraulic and non-hydraulic alterations, construction of the alterations, and ultimate certification of the levee system to achieve accreditation by FEMA. Stantec will be involved through each phase in varying degrees to ensure hydraulic modeling is maintained and meets the requirements of USACE and FEMA. The work performed will be incorporated into the USACE feasibility approved by Council on August 10, 2015, by Roll Call No. 15-1337.

PREVIOUS COUNCIL ACTION(S):

Date: August 10, 2015

Roll Call Number: [15-1337](#)

Action: [Approving](#) Agreement between the Department of the Army and City of Des Moines for the Des Moines Levee System. ([Council Communication No. 15-446](#)) Moved by Hensley to adopt. Motion Carried 7-0.

Date: June 24, 2013

Roll Call Number: [13-1059](#)

Action: [Approving](#) Professional Services Agreement with Stantec Consulting Services Inc, for professional services in conjunction with the levee assessment and analysis, not to exceed \$1,558,000. ([Council Communication No. 13-321](#)) Moved by Hensley to adopt. Motion Carried 7-0.

Date: October 8, 2012

Roll Call Number: [12-1545](#)

Action: [Approving](#) Professional Services Agreement with Stantec Consulting Services, Inc. for professional services in conjunction with the Hydraulic Modeling Coordination, not to exceed \$250,000. ([Council Communication No. 12-525](#)) Moved by Hensley to adopt. Motion Carried 7-0.

Date: March 28, 2011

Roll Call Number: [11-0554](#)

Action: [Professional](#) Services Agreement with Stantec Consulting Services, Inc. (Robert J. Campbell, Principal) in connection with the Des Moines River Flow Frequency Analysis, not to exceed \$51,000. ([Council Communication No. 11-177](#)) Moved by Moore to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Normal Council actions on consultant agreements. Consultant services for subsequent phases required to design and permit identified improvements to obtain USACE Section 408 approval and achieve FEMA accreditation.

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.