

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date:	January 25, 2016
	Agenda Item No.	7
	Roll Call No.	<u>16-0104</u>
	Communication No.	<u>16-048</u>
	Submitted by:	Pamela S. Cooksey, P.E., City Engineer

AGENDA HEADING:

Approving Supplemental Agreement No. 2 to the Professional Services Agreement with Stantec Consultant Services, Inc. for additional Hydrologic and Hydraulic Analysis requested by the U.S. Army Corps of Engineers (USACE) for Levee Assessment and Analysis, not to exceed \$48,000.

SYNOPSIS:

Recommend approval of Supplemental Agreement No. 2 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 \$48,000, based on hourly rates, to provide additional Hydrologic and Hydraulic Analyses for Levee Assessment and Analysis. The USACE has requested additional Hydrologic and Hydraulic Analyses to support the completion of the Des Moines Levees Feasibility Study.

FISCAL IMPACT:

Amount: \$48,000

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

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 FEMA requirements, 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 USACE relative to Section 408 requirements. 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.

On August 24, 2015, by Roll Call No. 15-1411, City Council approved Supplement Agreement No. 1 to the professional services agreement with Stantec for Phase 2 of the program, which includes overall hydraulic model management for the river system (DM-I, DM-II, DM-III, and SEDM), development of a Four Mile Creek 2-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.

USACE will use Stantec's hydraulic models completed in Phases 1 and 2 of the levee accreditation program to complete the Des Moines Levees Feasibility Study approved by Council on August 10, 2015 by Roll Call No. 15-1337. USACE requests additional support from Stantec to complete additional hydrologic and hydraulic analyses, respond to technical questions, assumptions, and troubleshooting should they arise during the Feasibility Study. USACE has recommended these services under Supplemental Agreement No. 2 be considered work-in-kind credits for Des Moines Levees Feasibility Study.

PREVIOUS COUNCIL ACTION(S):

Date: August 24, 2015

Roll Call Number: [15-1410](#) and [15-1411](#)

Action: Approving Supplemental Agreement No. 1 to the Professional Services Agreements with the following:

- (A) [Architecture](#) by G.E. Wattier, Inc. d/b/a Slingshot Architecture for the Skywalk Bridge 6D-7D Repairs, not to exceed, \$7,540. ([Council Communication No. 15-459](#)) Moved by Hensley to adopt. Motion Carried 7-0.
- (B) [Stantec](#) Consulting Services, Inc. for additional levee system design and permitting support services for levee assessment and analysis, not to exceed \$593,000. ([Council Communication No. 15-465](#)) Moved by Hensley to adopt. Motion Carried 7-0.

Date: August 10, 2015

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

Action: [Approving](#) Agreement with the Department of the Army 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.

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