

 <p style="text-align: center;"><b>Council Communication</b> Office of the City Manager</p>	<b>Date:</b> January 27, 2014
	<b>Agenda Item No.</b> 10 <b>Roll Call No.</b> <u>14-0117</u> <b>Communication No.</b> <u>14-019</u> <b>Submitted by:</b> <b>Jeb E. Brewer, P.E., City Engineer</b>

**AGENDA HEADING:**

Approving Professional Services Agreement with Shuck-Britson, Inc. for design and construction phase services for the Grand Avenue over Des Moines River Bridge Replacement, not to exceed \$626,169.

**SYNOPSIS:**

Recommend approval of the Professional Services Agreement with Shuck-Britson, Inc., Timothy J. Monson, President, 2409 Grand Avenue, Des Moines, Iowa, 50312, for a total cost not to exceed \$626,169, based on hourly rates, to provide design and construction phase services for the Grand Avenue over Des Moines River Bridge Replacement.

**FISCAL IMPACT:**

Amount: \$626,169

Funding Source: 2013-14 CIP, Page Bridge-9, BR047, Grand Avenue Bridge over the Des Moines River

**ADDITIONAL INFORMATION:**

The rehabilitation of the Grand Avenue Bridge over Des Moines River was identified as a high priority project in the 2011 City-Wide Bridge and Structure Evaluation. A Request for Proposal (RFP) was issued and three (3) proposals were received. Shuck-Britson, Inc. was chosen for the work on May 6, 2013, by Roll Call No. 13-0697. The structural evaluation report, prepared by Shuck-Britson, Inc., discovered the Grand Avenue Bridge to be in worse condition than originally anticipated. As part of the evaluation, destructive testing was completed on the Grand Avenue Bridge. Fifty concrete cores were taken to determine chloride ion concentrations with representation across different areas of the bridge, and small air hammers were used to assess the extent of concrete delamination, spalling, and reinforcing condition on the underside of the bridge arches.

The consultant evaluated the initial construction costs and life cycle costs for four (4) repair options and one (1) replacement option, and found that initial construction costs were similar for the repair and replacement options, but that the replacement option had the lowest life cycle cost. It was recommended that the bridge be replaced rather than rehabilitated.

This agreement for professional services will cover the design and construction phases for the replacement of the Grand Avenue Bridge over the Des Moines River. This agreement utilizes the

evaluation phase from the previous Professional Services Agreement for rehabilitation. The previous agreement is being terminated and replaced by this agreement.

Staff has negotiated a Professional Services Agreement with Shuck-Britson, Inc., for a total cost not to exceed \$626,169, based on hourly rates, to provide design and construction phase services.

**PREVIOUS COUNCIL ACTION(S):**

Date: May 6, 2013

Roll Call Number: [13-0697](#)

Action: [Approving](#) Professional Services Agreement with Shuck-Britson, Inc. for evaluation, design, and construction phase services for the Grand Avenue over Des Moines River Bridge Rehabilitation, not to exceed \$273,947. ([Council Communication No. 13-216](#)) Moved by Mahaffey to adopt. Motion Carried 7-0.

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

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

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

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