

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date:	June 25, 2012
	Agenda Item No.	8
	Roll Call No.	<u>12-962</u>
	Communication No.	<u>12-339</u>
	Submitted by:	Jeb E. Brewer, P.E., City Engineer

AGENDA HEADING:

Approving Professional Services Agreement with Shuck-Britson, Inc. for the Jackson Street Trail Bridge Phase 1 Bridge Rehabilitation Evaluation, not to exceed \$49,376.

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 \$49,376, based on an hourly rate, to provide professional services for the Jackson Street Trail Bridge Phase 1 Bridge Rehabilitation Evaluation.

FISCAL IMPACT:

Amount: \$49,376

Funding Source: 2012-2013 CIP, Page Park-16, PKS045, Recreation Trails.

ADDITIONAL INFORMATION:

The Jackson Street (SW 5th Street) Bridge is a three (3) span, pin connected Pratt truss that was originally built in 1898. The three (3) 134' x 25' spans served as a vehicular bridge from 1898 to 1993, with structural repairs in 1976. In 1996, the spans were closed to traffic, and following structural repairs, that same year, the structure was reopened for pedestrian use only. In 2004, some minor structural repairs were done and the wooden deck was replaced as part of a trail construction project.

Since the last structural repairs in 1996, the biannual bridge inspection has shown continuing structural deterioration, and since this is a fracture critical structure and the original design loading is close to the pedestrian design loading, a full evaluation of the structure is required. Shuck-Britson, Inc. will perform an in depth inspection of the three span structure including Non-Destructive Examination (NDE) of the critical pins and eye bars, prepare a report of findings, evaluate the load rating of the structure's current condition, recommend repairs, and provide an estimate of probable cost for the repairs. This report will be used to develop a plan for repairs and program the necessary funding.

The consultant, Shuck-Britson, was selected because of their experience with historic bridge structures and their previous work with this on this structure in 1996 that included inspection and evaluation of historic structures, replacement, and strengthening of members, structural repair, welding of wrought iron and timber repairs.

Staff has negotiated a Professional Services Agreement with Shuck-Britson for a total cost not to exceed \$49,376, based on hourly rates, to provide evaluation phase services.

PREVIOUS COUNCIL ACTION(S): NONE

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Normal Council actions on professional services agreements.

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