



City of Broken Arrow

Request for Action

File #: 17-2427, Version: 1

**Broken Arrow City Council
Meeting of: 07-18-2017**

To: Mayor and City Council
From: Department of Engineering and Construction
Title: Approval of and authorization to execute an Agreement for Professional Consultant Services with Olsson Associates, Inc., for Design of a Tiger Hill Soldier Pile Retaining Wall

Background:

Following the partial collapse of the Flight Safety retaining wall on the east side of Tiger Hill at Kenosha Street (71st Street South) and 9th Street (Lynn Lane) in May 2015, Engineering and Construction (E&C) Department contracted with Olsson Associates, Inc., to conduct a geotechnical investigation of the wall that the City constructed on the north side. Olsson's report was submitted August 6, 2015. The report contained general recommendations for remedial action to prevent failure of the City wall. The E&C Department requested Olsson to submit a proposal for development of remedial plans for repair or replacement of the wall. Those plans were submitted in October 2016 and recommended a support wall being built in front of the existing wall to provide the necessary structural support. On January 19, 2019, the City Council approved construction of a wall in front of the existing wall.

Since those plans were submitted, the City has been negotiating an economic development agreement for the property in front of the wall at the corner of Kenosha Street and 9th Street. Part of the development will be to lower the site approximately 4 to 5 feet, which would further compromise the Tiger Hill Wall and compromise the constructability of the new support wall. The E & C Department has now asked Olsson for a fee proposal to develop site plans to drop the entire developable site by 4 to 5 feet and to design a Modified Soldier Pile Wall, allowing for better constructability and allowing the site to be lower. A modified soldier pile wall is a support wall that is placed in front of the current wall with steel pile or concrete pier foundations that are driven or drilled into the soil down to bedrock. The submittal of their fee proposal is \$24,000.00, and the attached Professional Services Contract was prepared.

Funding for the design and construction work for the fountain will be from Sales Tax Capital Improvements. Staff recommends that the Council approve the Agreement for Professional Consultant Services and authorize its execution.

Cost: \$24,000.00
Prepared By: Alex Mills, P.E., Director of Engineering and Construction
Reviewed By: Finance Department
Legal Department
Assistant City Manager - Operations

Approved By: Michael L. Spurgeon, City Manager

**Attachments: Professional Services Contract for Design of Tiger Hill Soldier Pile
Retaining Wall**

Recommendation:

Approve the Agreement for Professional Consultant Services with Olsson Associates, Inc., for design of Tiger Hill Soldier Pile Retaining Wall and authorize its execution.