

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date:	May 9, 2016
	Agenda Item No.	7
	Roll Call No.	<u>16-0746</u>
	Communication No.	<u>16-254</u>
	Submitted by:	Pamela S. Cooksey, P.E., City Engineer

AGENDA HEADING:

Approving Supplemental Agreement No. 1 to the Professional Services Agreement with Engineering and Research International, Inc. for additional roadway testing, traffic control, analysis, and GIS incorporation of data for the Arterial Roadway Pavement Rehabilitation, not to exceed \$70,000.

SYNOPSIS:

Recommend approval of Supplemental Agreement No. 1 to the Professional Services Agreement with Engineering and Research International, Inc., Abbas A. Butt, President, 1401 Regency Drive East, Savoy, IL, 61874, for a total cost not to exceed \$70,000, based on hourly rates, to provide additional roadway testing, traffic control, analysis and GIS incorporation of data for the Arterial Roadway Pavement Rehabilitation.

FISCAL IMPACT:

Amount: \$70,000

Funding Source: 2016-17 CIP, Page Street-28, Rehabilitation and Preservation of Major Roadways, ST222, G.O. Bonds

ADDITIONAL INFORMATION:

On March 9, 2015, by Roll Call No. 15-0366, City Council approved a professional services agreement with ERES International, Inc. d/b/a Engineering and Research International, Inc. for professional services for the Arterial Roadway Pavement Rehabilitation Evaluation. The Consultant was tasked with evaluating pavement condition, identifying pavement deficiencies, and completing life cycle cost analysis to determine the most economical application of maintenance, rehabilitation, and reconstruction activities for 11 principal and minor arterial roadways.

Additional work under this Supplemental Agreement will include:

1. Completing an additional 500 Falling Weight Deflectometer test locations (increased to 3,700 from 3,200), which provides for eight (8) test locations (four {4} in each direction) for each pavement section.
2. Complete additional 56 pavement cores (increased to 116 from 60, adding seven {7} days of pavement coring work).
3. Collecting and developing an inventory of data for an additional 527 pavement sections (increased to 917 from 390).

4. Providing a GIS shapefile (ArcGIS) with database (Excel) containing pavement inventory, condition ratings, and MicroPAVER results – this will be a standalone GIS with polylines created for 917 pavement sections.
5. Reviewing ISU Pavement Condition data and comparing with data collected under this Agreement.

Traffic control associated with additional non-destructive testing and coring testing was necessary due to varying pavement sections and roadway widening projects on the arterials. Analysis resulting from the additional testing is needed to aid in evaluating the roadways for maintenance, rehabilitation, and reconstruction activities. The Consultant will develop a prioritized list of which streets, or street segments, and in which order they should be maintained, rehabilitated, or reconstructed. Findings of the evaluation will be provided in a report to the City.

Iowa State University Institute of Transportation (INTRANS) develops a Pavement Condition Report every two (2) years for Public Works to assess pavement condition of all City streets. Pavement condition data received from INTRANS for the 11 arterial roadways will be evaluated to determine the reliability, consistency, and comparability with condition data developed by the Consultant. Information received from the evaluation will aid in future assessment of condition data received from INTRANS.

Upon completion of work, the Consultant will input pavement condition data, including data produced in MicroPAVER, into a GIS database that will be compatible with the City's GIS.

PREVIOUS COUNCIL ACTION(S):

Date: March 9, 2015

Roll Call Number: [15-0366](#)

Action: [Approving](#) Professional Services Agreement with ERES International, Inc. d/b/a Engineering and Research International, Inc. for professional services for the Arterial Roadway Pavement Rehabilitation Evaluation, not to exceed \$229,900. ([Council Communication No. 15-107](#)) Moved by Gatto to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Normal Council actions on consultant agreements.

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.