

AGENDA



Recommendation for Council Action (CMD)

Austin City Council

Item ID:

23508

Agenda Number

15.

Meeting Date:

April 25, 2013

Department:

Contract Management

Subject

Authorize negotiation and execution of a professional services agreement with W. K. DICKSON & CO., INC., for engineering services for water line condition assessment on Nueces Street in an amount not to exceed \$66,500.

Amount and Source of Funding

Funding is available in the Fiscal Year 2012-2013 Capital Budget of the Austin Water Utility.

Fiscal Note

A fiscal note is attached.

Purchasing Language: Exempt from professional services solicitation requirements due to demonstrated expertise and in- depth knowledge of the existing pipe condition assessment and use of techniques unique to W.K. Dickson & Co.

Prior Council Action: [Redacted]

For More Information: Brenda Baker, 974-1175; Dedurie Kirk, 972-1062; Shirin Helmi, P.E., 974-7133; Susan Garnett, 974-7064; Felecia Shaw, 974-6017.

Boards and Commission Action: To be reviewed by the Water and Wastewater Commission on April 10, 2013.

Related Items:

MBE / WBE: This contract will be awarded in compliance with Chapter 2-9B of the City Code (Minority Owned and Women Owned Business Enterprise Procurement Program). No subcontracting opportunities were identified; therefore, no goals were established for this solicitation.

Additional Backup Information

An existing 20-inch waterline in Nueces Street (between 8th Street and MLK) was installed in the 1930's and is on the Austin Water Utility's list of water lines to be replaced. In addition, there are two other lines (an 8-inch and 12-inch water line) which connect to the Nueces Street water line at 9th Street. One objective of this project is to abandon the smaller of the two lines in 9th Street to limit operational responsibility.

Information about the condition of the existing water mains is limited. Based on the limited records and visual inspection, some sections of the 80 year old pipe may have useful life remaining. The recommended vendor will use a unique pipeline condition assessment technology that will allow the project team to prioritize rehabilitation needs for the project. This condition assessment, will allow the Austin Water Utility to determine the remaining useful service life of the pipe and evaluate options for refurbishing this water line.

W.K. Dickson & Co., Inc. (W.K. Dickson) has significant experience with condition assessment and evaluation of waterlines by utilizing a unique non-intrusive technology that can estimate the remaining useful service life of metallic pipes. Utilizing acoustic listening technologies on the outside of the pipe, their team assesses the average amount of degradation that has occurred in the structural wall thickness of each waterline section being investigated. W.K. Dickson's techniques and devices will keep the line in service and avoid intrusion into the pipe. After collecting the field data, W.K. Dickson will analyze the in-situ soil conditions, original construction methods and other factors to predict the remaining service life of the pipe.

These processes and techniques are unique to W.K. Dickson, and are less intrusive and less costly than traditional pipe assessment techniques.

This request allows for the development of a professional services agreement with the recommended firm.

This project is managed by the Public Works Department.

W.K. Dickson is located in Raleigh, NC.