

CIP EXPENSE DETAIL

DATE OF COUNCIL CONSIDERATION:
CONTACT DEPARTMENT(S):

Austin Water Utility

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.

CURRENT YEAR IMPACT:

Department:	Austin Water Utility
Project Name:	Nueces Water Rehab - 8th To MLK
Fund/Department/Unit:	3960 2207 7465
Funding Source:	Commercial Paper
Current Appropriation:	293,452.00
Unencumbered Balance:	68,857.88
Amount of This Action:	(66,500.00)
Remaining Balance:	<u>2,357.88</u>
Total Amount of this Action	<u><u>66,500.00</u></u>

ANALYSIS / ADDITIONAL 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.

The Austin Water Utility has no information on the actual condition of the existing 1930's era cast iron pipe. Based on the limited history on record and visual inspection, some sections of the 80 year old pipe may have useful life remaining. The recommended sole source vendor is proposing to utilize a unique pipeline condition assessment technology that will allow Austin Water Utility to prioritize rehabilitation needs associated with the project. By performing the condition assessment, Austin Water Utility will be able 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 authorization provides for funding of services related to preliminary engineering services only. Staff anticipates returning to Council for additional funding to the selected firm for design services in an estimated amount of \$66,500.

This request allows for the development of a professional services agreement with the recommended firm. Should the City be unsuccessful in negotiating a satisfactory agreement with the recommended firm, negotiations will cease with that firm. Staff will then return to Council and request authorization to begin negotiations with the alternate recommendation listed below.

This project is managed by the Public Works Department.