

SUBJECT

BOARD RESOLUTION NO. 17-570

Pertaining to a professional services agreement with Short Elliott Hendrickson Inc. to provide a condition assessment of large-diameter cast iron water mains.

BACKGROUND INFORMATION

Staff is seeking approval of an agreement with Short Elliott Hendrickson Inc. to perform a condition assessment of 11,363 feet of large-diameter cast iron water main in the Board's distribution system. The technology used for the assessment relies on acoustic signals to estimate average pipe wall thickness and will provide a grade of good, moderate or poor to each water main asset. This will help SPRWS make informed decisions about future water main replacement. The water mains to be assessed as part of this project were chosen because they lie within streets to be reconstructed within the next three years.

SEH is the local partner of Echologics, the company that owns and operates the equipment used for this type of pipe condition assessment. SEH and Echologics will be performing similar assessments in the Twin Cities this summer, which results in a lower cost for all participants. For that reason, no other firms were requested to bid on this assessment work.

Following Board approval, City Contracts and Analysis will process a Professional Services Agreement which will include the City's standard terms and conditions, liability and insurance language, and the following Scope of Work (paraphrased for brevity):

Scope of Work

1. Perform pipe condition assessment using Echologics' proprietary acoustic technology on 11,363 linear feet of large diameter (12"+) water main
2. Prepare a report that presents and discusses the results of the assessment
3. Provide data in GIS format for inclusion in SPRWS GIS databases

The work is further detailed in the attached Proposal of February 20, 2017, which will be part of the agreement.

Cost: Not to exceed \$67,800.00

Term: one year

RECOMMENDATION

Approval is recommended.