

VILLAGE OF HOMEWOOD



BOARD AGENDA MEMORANDUM

DATE OF MEETING: June 27, 2023

To: Village President and Board of Trustees

Through: Napoleon Haney, Village Manager

From: John D. Schaefer, Director of Public Works

Topic: Bid Award – Water Distribution System Leak Survey

PURPOSE

Every drop of clean water is precious. Unfortunately, water is lost through aging infrastructure; specifically, underground leaks in water pipes. Overtime, lost water equals lost revenue for water operations and capital projects. Water is lost through leaks and cracks in pipes and their fittings. Since most water infrastructure is underground, it is virtually impossible to visually determine the location of these leaks unless the leaking water reaches the surface (causing ponding and sink holes, structural damage, buckling pavement, etc.), and the exact location of the leak may be nearly impossible to determine. Leak detection requires special technologies that allow inspectors to precisely determine the location and severity of pipe leaks. Public Works let out to bid for the Water Distribution System Leak Survey Project, per the 2023-2024 Budget.

PROCESS

As part of our water distribution system infrastructure maintenance, and in an effort to reduce water loss, Public Works let out for bid for a Water Distribution System Leak Survey, in which the Village's 113 miles of water main will be inspected. The awarded vendor will supply a written report on all leaks with their location and estimated water loss to the Village. A computerized leak analysis pinpointing every leak suspected will be confirmed with an electronic leak correlator.

OUTCOME

Public Works publicly opened bids on June 15, 2023. A tabulation of bids received is below.

Vendor	Bid Price
M.E. Simpson Co., Inc.	\$25,425
American Leak Detection	\$37,700
Wachs Water Service	\$101,700

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FINANCIAL IMPACT

- **Funding Source:** CIP - Water/Sewer Fund
- **Budgeted Amount:** \$30,000
- **Cost:** \$25,425

LEGAL REVIEW

Not Required

RECOMMENDED BOARD ACTION

Award a bid to M.E. Simpson Company, Inc. of Valparaiso, IN, the lowest responsible bidder, for the Water Distribution System Leak Survey Project, in an amount not to exceed \$25,425.

ATTACHMENT(S)

None