

VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda
Bids and Proposals

TO : President and Village Board of Trustees

FROM : Scott Niehaus, Village Manager

DATE : November 12, 2025 Agenda Date November 20, 2025

TITLE : Waiver of Bids - Remote Leak Sensors
 Ferguson Water Works

SUBMITTED BY: Brian Jack, Utilities Superintendent 

RESULTS:

Date Bids Were Published _____ Bidding Closed _____

Total Number of Bids Received _____

Total Number of Bidders Meeting Specifications _____

Bid Security Required	_____	Yes	_____	X	_____	No
Performance Bond Required	_____	Yes	_____	X	_____	No
Were Any Bids Withdrawn	_____	Yes	_____	X	_____	No

Explanation:

Waiver of Bids Requested?	_____	X	_____	Yes	_____	No
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If yes, explain:

Award Recommended to Lowest	_____	X	_____	Yes	_____	No
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Responsible Bidder?

If no, explain:

FISCAL IMPACT:

Engineer's estimate/budget estimate \$25,000

Amount of Award \$ 24,1440.00 Water/Sewer Capital Reserve Fund

RM PROG 32 Water Main Maintenance and Improvements 520.790.715.75420

BACKGROUND/RECOMMENDATION:

Waive bids and award a purchase in the amount of \$24,144.00 to Ferguson Water Works of West Chicago, IL for the Remote Leak Sensor Purchase.

Has Recommended Bidder Worked for Village Previously	_____	X	_____	Yes	_____	No
If yes, was quality of work acceptable	_____	X	_____	Yes	_____	No

REVIEW (as needed):

Village Attorney XX _____	Date _____
Finance Director XX _____	Date _____
Village Manager XX _____	Date _____

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 4:30 pm, Wednesday, prior to the Board Agenda distribution.

MEMORANDUM



To: Scott Niehaus, Village Manager
From: Brian Jack, Utilities Superintendent 
Through: Carl Goldsmith, Director of Public Works
Date: November 12, 2025
Subject: **Waiver of Bids - Remote System Leak Detection Leak Logger Upgrades**

Background

In 2020, the Village started a pilot program for remote leak detection in the water distribution system. The pilot consisted of five remote leak sensors that were deployed in targeted areas of frequent watermain failures. These sensors “listened” for leaks and would send alerts via email to the Utilities Division when a leak was suspected. Underground Utilities Division employees would then investigate these leaks further to confirm and pinpoint the location of the leak for repair.

The pilot program resulted in identifying 12 leaks from October 2020 to November 2022 in the targeted areas. These leaks would not have surfaced to be reported visually for some time if at all as if they were leaking into the earth and not surfacing. With the success of the pilot program, the Village expanded the Remote Leak Detection Program from five sensors to fifteen sensors in 2022. Since the program’s inception, the upgraded system has identified 34 leaks in a five-year period.

As sensor technology and strategies advance and the availability of NB-IoT (narrowband internet of things) communications network and the advancing power of AI, the proactive and predictability of finding and repairing leaks, non-revenue water loss can be reduced more effectively.

The original leak sensors deployed in the 2020 pilot program were replaced in 2024 due to them no longer supported by the manufacturer for updates or repairs, they are also not as intelligent compared to recent advances and can only alert for a leak between two sensors requiring staff to still investigate and correlate the leak after the alert has been given. The newer updated sensors alert leaks but also will correlate and provide a more accurate location of the leak as well as estimated water loss in gallons per minute. As the sensor network grows, it will be able to use AI to predict watermain failures and leaks before they occur, helping to target watermain replacements.

One of the goals of the Division is to continue to expand the remote leak detection system for continuous monitoring for leaks so they can be located and repaired more quickly than after the annual survey is completed. The remote leak detection system will be able

to provide real time information and alerts regarding potential leaks in the distribution system including critical water mains.

Enclosed is the proposal from Ferguson Waterworks (acquired Water Resources in May of 2025) for an additional 16 sensors that will bring the total remote leak sensor network to 31 total sensors that will be able to monitor up to six miles of watermain.

Funding for the upgrades to the remote leak detection program will come from the Water/Sewer Capital Reserve Fund RM PROG 32 Water Main Maintenance and Improvements. Ferguson Waterworks of West Chicago, IL is the local distributor of the Guterman Leak Loggers and will be the vendor for the purchase and provide support for the program. As this purchase will increase the total dollar amount spent with Ferguson Water Works in FY 2025 over \$25,000, staff is seeking approval from the Village Board of Trustees to authorize this waiver of bids and purchase.

Recommendations:

Please present to the Village Board of Trustees at their November 20, 2025, meeting to approve the purchase of the upgraded remote leak detection system equipment as stated above and on the enclosed quote in an amount not to exceed \$24,144.00 to Ferguson Waterworks of West Chicago, IL.



FERGUSON WATERWORKS #2791
1845 WESTERN DR
WEST CHICAGO, IL 60185-0000

Phone: 847-742-3400

Deliver To:
From: Antonio Gattuso
anthony.gattuso@ferguson.com
Comments:

15:49:35 AUG 26 2025

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FERGUSON WATERWORKS #2516

Price Quotation
Phone: 847-742-3400

Bid No: B210036
Bid Date: 08/26/25
Quoted By: AGA

Cust Phone: 630-620-5700
Terms: NET 30 DAYS

Customer: VILLAGE OF LOMBARD
255 E WILSON AVE
LOMBARD VLG
LOMBARD, IL 60148

Ship To: VILLAGE OF LOMBARD
255 E WILSON AVE
LOMBARD VLG
LOMBARD, IL 60148

Cust PO#:

Job Name:

Item	Description	Quantity	Net Price	UM	Total
SP-GZSAIEXT90290	ZONESCAN AI LEAK LOGGER	16	1300.000	EA	20800.00
SP-GZSNETHOSTDATA	ZONESCAN HOST FEE 5 YEAR	16	195.000	EA	3120.00
SP-GZSLBANT	ZONESCAN L BRACKET	16	14.000	EA	224.00
Net Total:					\$24144.00
Tax:					\$0.00
Freight:					\$0.00
Total:					\$24144.00

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

Due to the uncertain impact of potential tariffs, Ferguson's quotation/proposal has not included any provision or contingency for future tariffs or increase of existing tariffs. Ferguson reserves the right to adjust prices to reflect the impact of any new or increased tariffs that affect our costs at the time of shipment. Ferguson will provide notice of any such adjustments along with documentation supporting the changes.

CONTRACTOR CUSTOMERS: IF YOU HAVE DBE/MBE/WBE/VBE/SDVBE/SBE GOOD FAITH EFFORTS DIVERSITY GOALS/ REQUIREMENTS ON A FEDERAL, STATE, LOCAL GOVERNMENT, PRIVATE SECTOR PROJECT, PLEASE CONTACT YOUR BRANCH SALES REPRESENTATIVE IMMEDIATELY PRIOR TO RECEIVING A QUOTE/ORDER.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <https://www.ferguson.com/content/website-info/terms-of-sale>
Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with *NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.



HOW ARE WE DOING? WE WANT YOUR FEEDBACK!

Scan the QR code or use the link below to
complete a survey about your bids:

<https://survey.medallia.com/?bidsorder&fc=2791&on=28811>