

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 : March 22, 2021 Agenda Date April 1, 2021
TITLE : Waiver of Bid - Sensus Omni Register Head Replacement - Core & Main
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Were Any Bids Withdrawn _____ Yes X No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
If yes, explain: See attached memo.
Award Recommended to Lowest _____ X Yes _____ No
Responsible Bidder?
If no, explain:

FISCAL IMPACT:

Engineer's estimate/budget estimate \$40,000
Amount of Award \$37,760.00 Water/Sewer Capital Reserve Fund RM PROG 32
520.790.715.73110

BACKGROUND/RECOMMENDATION:

Award a contract in the amount of \$37,760.00 to Core & Main LP of Carol Stream, IL for the purchase of Sensus Omni Register Heads.

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: March 22, 2021
Subject: Waiver of Bids - Sensus Omni Register Head Replacements Core & Main LP

Background

In 2011 the Village replaced all of the large residential and commercial water meters with Sensus Omni meters. It was decided at that time that the Sensus Omni meters gave the best accuracy and performance for accounting of water consumption and revenue collection. This large meter replacement was the first phase of the full-scale water meter replacement program that was completed in 2018.

As ten years have passed since these Sensus meters were installed, and the register heads are beginning to fail and not record any consumption. These failures are resulting in loss of consumption records and the need to estimate bills until they are repaired. The manufacturer warranties the register heads for 10 prorated years from the manufactured date. We have provided Sensus with the meter serial numbers and have been provided the manufacture date for each meter. As these register heads fail, staff cross references the manufacture date to determine if there is any prorated warranty remaining before ordering replacements.

The Utilities Group met with the Finance Department and developed a replacement plan for these failing meters/register heads. The chart below is an inventory of the Sensus Omni meters currently in the Village's water meter system.

Table with 7 columns: Meter Size, Meter Type, Quantity, Register head, Neptune Meter Cost, Total Register only, Total Meter replacement. Rows include 1.5", 2", 3", 4", 6" meter sizes and a Total Replacement Cost row.

Currently the meters and register heads are being replaced as they fail with failure rates increasing each billing cycle. There are currently 263 or 47% of the Sensus Omni Meters that are failed and accounts are being estimated.

This replacement plan has not been budgeted for in the FY 2021 budget. However, staff is recommending that the proactive approach in replacing the register heads for meters 3" to 6" in size in 2021 at a cost of \$37,760 and budgeting for in FY 2022 and FY 2023 for the full replacement of meters 1.5" - 2" at a cost of \$265,100.00 or \$132,550.00 in each respective year. The \$37,760 cost for the register head replacements can be absorbed in the Water/Sewer Capital Reserve Fund RM PROG 32 Water Main Maintenance and Improvements.

The new register heads will come with the same 10-year prorated warranty and is a more budget friendly plan as the register heads are a cost of \$295.00 each in comparison to the \$2,100 - \$4,370 cost for full meters as shown in the chart above. Staff is also recommending replacing the full meters sized 1.5" and 2" meters with Neptune Water Meters (current water meter system established during the full residential water meter replacement program) as the cost of the meter is more in line with the register head replacement cost and the Neptune Meters come with a 20-year prorated warranty.

Core & Main LP is the local distributor of Sensus Meters and equipment and will be the vendor for the register head purchase. Water Resources Inc. of Elgin, IL will be the local distributor of Neptune Meters and equipment for the meter purchases.

Recommendations:

Please request the Board of Trustees to approve the purchase of Sensus Omni register head replacements in an amount not to exceed \$37,760.00 to Core & Main LP of Carol Stream IL for FY 2021 at their April 1, 2021 meeting.