

**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 : August 28, 2019 (B of T) Date: September 4, 2019  
TITLE : Waiver of Bids - Midwest Water Group, Inc. - Sewer Line Cleaning & Televising  
SUBMITTED BY: Sean P. Kelly, P.E., Village Engineer *SPK*

**RESULTS:**

Date Bids Were Published \_\_\_\_\_ Bidding Closed \_\_\_\_\_  
Total Number of Bids Received \_\_\_\_\_  
Total Number of Bidders Meeting Specifications \_\_\_\_\_  
Bid Security Required \_\_\_\_\_ Yes \_\_\_\_\_ No  
Performance Bond Required \_\_\_\_\_ Yes \_\_\_\_\_ No  
Were Any Bids Withdrawn \_\_\_\_\_ Yes \_\_\_\_\_ No  
Explanation:  
Waiver of Bids Requested? \_\_\_\_\_ X Yes \_\_\_\_\_ No  
If yes, explain:  
Award Recommended to Lowest Responsible Bidder? \_\_\_\_\_ Yes \_\_\_\_\_ No  
If no, explain:

**FISCAL IMPACT:**

Engineer's estimate/budget estimate \$82,500/\$117,000  
Amount of Award \$82,500 FY 2019

Sewer Televising and Cleaning: \$34,000 RM PROG 05  
Large Sewer Flushing Program: \$83,000 RM PROG 14

**BACKGROUND/RECOMMENDATION:**

Waive bids and award a contract for Sewer Line Cleaning & Televising for amount not to exceed \$82,500 in FY 2019

Has Recommended Bidder Worked for Village Previously X Yes \_\_\_ No  
If yes, was quality of work acceptable X Yes \_\_\_ No  
Was item bid in accordance with Public Act 85-1295? \_\_\_ Yes X No  
Waiver of bids - Public Act 85-1295 does not apply X Yes \_\_\_ No

**REVIEW (as needed):**

Village Attorney XX \_\_\_\_\_ Date \_\_\_\_\_  
Finance Director XX *AK* \_\_\_\_\_ Date \_\_\_\_\_  
Village Manager XX *SEN* \_\_\_\_\_ Date 8/28/19

**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:** Gage Miller, Civil Engineering Technician *GM*  
**Through:** Carl Goldsmith, Director of Public Works  
**Date:** August 27, 2019  
**Subject:** Midwest Water Group, INC-Sewer Line Cleaning & Televising

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### Executive Summary/Background

The Department of Public Works maintains 135 miles of sanitary sewer and 111 miles of storm sewer mains which require preventative maintenance including flushing/cleaning and televising to proactively find and repair defects before a pipe fails. Flushing and cleaning sanitary sewer mains is completed by the Department's in-house crews on a four-year rotating cycle for all pipes eight to fifteen inches in diameter. Sewer mains fifteen inches and larger are completed via contractor following the same four year cycle one year behind the in-house crews. The Underground Utilities Division strives to eliminate all Sanitary Sewer Overflows (SSOs) and disruption in sewer service to the residents of Lombard.

In 2007 the Department began chemical treating a portion of sewer mains to slow and eliminate the growth of tree roots in the mains. This program has been successful in reducing the number of SSOs to less than one per year on average. It has also reduced the frequency in sewer flushing/cleaning in the treated areas due to the reduction in tree roots and the collection of debris due to the roots. This allows the Division to increase flushing/cleaning in areas needing more frequent attention.

To increase efficiencies, improve data collection, reduce maintenance costs and increase serviceability to those living and working within the Village of Lombard, the Department continuously seeks out technological advances that utilize trenchless maintenance and inspections of the Village's infrastructure.

### Discussion

The Public Works and Environmental Concerns Committee was presented the SL-Rat program from Midwest Water Group, Inc on December 12, 2016 along with the results of the 2016 pilot program. The committee was supportive of moving forward in utilizing this technology for planning of future projects and routine maintenance in the Capital Budget with the goal of having the entire sanitary sewer collection system inspected by the end of FY 2018. Half of the Village, from Madison Street to the southern border, was completed in 2017 and the remainder was completed in 2018. This has provided a

comprehensive base line assessment of the sanitary system and will allow staff to allocate budgeted funds to targeted areas.

The tool used active acoustic transmissions through a selected section of sewer main to determine the amount of blockage in that section of pipe. Once all of the data was collected, a report was generated with a condition or blockage rating of the inspected sewer main segments. This allows the Underground Utilities Division to focus on higher priority sewer mains with blockages rather than flushing/cleaning sewer mains without blockages. With this technology and inspection program, more frequent flushing and cleaning can be done in problematic areas which increases service levels, creates more efficient operations and reduces overall costs. Although this technology cannot pinpoint blockages or see what type of blockage is in the pipe, it is a fraction of the cost of video inspection. It is intended to aid the Village in focusing its routine flushing and cleaning program, video inspections, repairs and replacements in areas needed rather than conducting a blanket video inspection and flushing/cleaning the entire system.

The Underground Utilities Division focused on the poor and blocked segments for verification of the assessment through sewer flushing and root cutting. The Division concluded that the assessment was accurate and the identified problematic sewer mains were cleared and returned to normal flows.

The entire sewer system has been graded by the SL Rat and we will begin the process of cleaning the pipe and televising it to check and remove blockages, or if the pipe needs it, conduct necessary repairs. Each pipe was given a rating from 0 - 10, with 0 being the lowest or completely blocked. For FY 2019, Underground Utilities would like continue to build on the efficiencies of the approved SL Rat technology, targeting further investigation of the portions of sewer that SL Rat rated 0 - 3. Doing so will allow the department to save money targeting "known" problem areas that may require additional cleaning and/or repair instead of revisiting sections of pipe that are already in good condition.

In addition to televising and cleaning, the contractor will also send us repair recommendations and will compile our data in an executive dashboard with data presented as drill down options to quickly identify the defects observed on the project. Custom reports and filters can be created on request. The dashboard includes consequence of failure, average defect of pipes, types of defects, and likelihood of failure (PACP).

The repair of the Village's lower rated sanitary sewer system will be key in programming future maintenance, and replacement of sewer infrastructure. This will also aid the Utilities Division in troubleshooting frequent problem areas on the north side of Lombard.

The proposed area for cleaning and televising in 2019, based on the SL Rat ratings, is Madison Street to the northern limits of Lombard, the Lombard Meadows subdivision and Main St. from Roosevelt Rd. to St. Charles Rd. in preparation for upcoming reconstruction/resurfacing projects in 2020.

While many contractors/vendors perform sewer televising/cleaning, Midwest Water Group, INC, also utilizes a proprietary software platform which directly imports the SL Rat inspection data, and builds on it with PACP inspection/coding of the sewers, provides GPS location of specific defects, and provides specific repair recommendations for pipe segments. This data is all compiled within an executive dashboard with data presented as drill down options to quickly identify the defects observed on the project. Custom reports and filters can also be created on our request. Examples of the type of filterable data to be provided, include consequence of failure, average defect of pipes, types of defects, and likelihood of failure (PACP).

Staff has received the following proposal from Midwest Water Group, INC.

### Project Proposal Fee Schedule

Task	Unit Price	Unit	# Units (Approx)	Total Cost
Pipeline Televising (no cleaning) PACP coding, 8" – 15" pipe Repair Recommendations Executive Dashboard	\$1.50	LF	55,000	\$82,500
Light Cleaning	\$0.50	LF		
Heavy Cleaning (3 passes)	\$1.50	LF		
Easement and Backyard Setup	\$0.50	LF		
Reversal setup fee	\$250.00	EA		
<b>Total (Not to Exceed)</b>				<b>\$82,500.00*</b>

The proposal received is in line with unit cost prices in the last three years for the village and slightly less.

**Recommendation**

As the proprietary Midwest Water inspection/coding software directly builds upon the approved SL Rat technology and provides the unique capabilities of specific GPS location of defects and repair recommendations, both Engineering & Underground Utilities recommend waiving the bidding process and accepting the proposal for the Sewer Line Televising & Cleaning as submitted by Midwest Water Group, Inc. of Chicago, IL and authorize an agreement in an amount not to exceed \$82,500. Funds are realized in Water/Sewer Capital Reserve Fund RM PROG 05 & 14 Sewer Maintenance and Improvements.

## VILLAGE OF LOMBARD

### Contract for Sewer Cleaning and Televising

This agreement is made this 28 day of August, 2019, by and between, and shall be binding upon, the Village of Lombard, an Illinois municipal Corporation hereinafter referred to as (the "Village") and Midwest Water Group, INC. hereinafter referred to as (the "Contractor").

Witnesseth That in consideration of the mutual promises of the parties delineated in the Contract Documents, the Contractor agrees to sell and the Village agrees to pay for the following described items as set forth in the Contract Documents:

Sewer Line Cleaning & Televising using SL-RAT Data in an amount not to exceed  
\$82,500

1. This Contract shall embrace and include all of the applicable Contract Documents listed below as if attached hereto or repeated herein:
  - a. The Contractor's Proposal dated June 23, 2019
  - b. Required Certificate of Insurance, Indemnification, Venue, Other Contractor Responsibilities
2. The Village agrees to pay, and the Contractor agrees to accept as full payment for the items which are the subject matter of this Contract the total sum of \$82,500 paid in accordance with the provisions of the Local Government Prompt Payment Act and the provisions of the Contract Documents.
3. Risk of loss, destruction or damage of or to goods under this Contract shall be on contractor until delivery of the goods to the Village and acceptance of the goods by the Village.
4. The Contractor agrees to perform the terms of this Contract according to the following schedule set forth in their quotation after the Notice to Proceed has been delivered. Time is of the essence of this Contract.

IN WITNESS WHEREOF, the Village of Lombard, Illinois by Village Manager, and the Contractor have hereunto set their hands this \_\_\_\_ day of \_\_\_\_\_, 2019.

If an individual or partnership, all individual names of each partner shall be signed or if a corporation, an officer duly authorized shall sign here:

Accepted this 27 day of August, 2019.

Individual or Partnership \_\_\_\_\_ Corporation

M. Howard President  
By \_\_\_\_\_ Position/Title

By \_\_\_\_\_ Position/Title

Midwest Water Group Inc.  
Print Company Name

THE VILLAGE OF LOMBARD, ILLINOIS

Accepted this 5<sup>th</sup> day of September, 2019.

\_\_\_\_\_  
Keith Giagnorio  
Village President

Attest

\_\_\_\_\_  
Sharon Kuderna  
Village Clerk

VILLAGE OF LOMBARD  
CONTRACTOR'S CERTIFICATION

Michelle Harrod, having been first duly sworn, depose and states as follows:

I <sup>(Officer or Owner of Company)</sup> am the president for Midwest Water Group, Inc. <sup>(Name of Company)</sup>  
<sub>(Title)</sub>

(the "Contractor"), which has submitted a proposal for Sewer Cleaning and Televising to the Village of Lombard and, having personal knowledge of the matters certified to herein, and being authorized by the Contractor to make the certifications set forth herein, hereby certifies that said Contractor:

1. has a written sexual harassment policy in place, in full compliance with 775 ILCS 5/2-105(A) (4);
2. is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:
  - a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate revenue Act; or
  - b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement;
3. is in full compliance with the Federal Highway Administration Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382, and that

All employee drivers  
<sub>(Name of employee/driver or "all employee drivers")</sub>

is/are currently participating in a drug and alcohol testing program pursuant to the aforementioned rules; and

4. is not barred from contracting with any unit of state or local government as a result of a violation of either Section 33E-3 or 33E-4 of Article 33E of the Illinois Criminal Code of 1961.

By: Michelle Harrod  
Authorized Agent of Contractor

Subscribed and sworn to before me this 28 day of August, 2019.

Notary Public Michelle M Anderson

