

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 : July 9, 2018 Agenda Date July 19, 2018

TITLE : Waiver of Bids - Midwest Water Group, Inc.
SL-RAT Acoustic Pipeline Assesment Project-Phase II

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 _____ 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Were Any Bids Withdrawn _____ Yes _____ No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 _____ Yes _____ No

Responsible Bidder?

If no, explain:

FISCAL IMPACT:

Engineer's estimate/budget estimate \$67,735.50

Amount of Award \$67,735.50 FY 2018 Water & Sewer Capital Reserve Fund 520.790.715.75350
RM PROG 10 Sewer Maintenance and Improvements.

BACKGROUND/RECOMMENDATION:

Waive bids and award a contract for SL-RAT Acoustic Pipeline Assesment - Phase II for amount not to exceed \$67,735.50 in FY 2018

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

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

Through: Carl S. Goldsmith, Director of Public Works *CSG*

From: Brian M. Jack, Utilities Superintendent *BJ*

Date: July 9, 2018

Subject: Waiver of Bid SL-RAT Acoustic Pipeline Monitoring & Assessment Project - Phase II

Background

The Underground Utilities Division maintains 140 miles of sanitary and 110 miles of storm sewer mains to include flushing/cleaning, televising, and repairs. Flushing and cleaning is completed by in-house crews on a four year rotating cycle of sewer mains eight inches up 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 Division strives to eliminate all Sanitary Sewer Overflows (SSOs) and disruption in sewer service to the residents of Lombard.

In 2007 the Public Works Department began treating sewer mains with a chemical root treatment to slow and eliminate the growth of tree roots in the mains. This program has been successful in reducing the number of SSOs down 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 allowing the Division to increase flushing/cleaning in areas needing more frequent attention.

As technology progresses in maintenance and inspections, the Public Works Department continually looks for techniques to increase efficiencies, reduce costs, and increase services to its residents.

Discussion

The Public Works Committee was presented this project 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 Village Sanitary

Sewer Collection system inspected by the end of 2018. Half of the Village from Madison Street to the southern border was completed in 2017 and the remainder is scheduled to be completed in 2018. This will provide a comprehensive base line assessment of the sanitary system and will allow staff to allocate budgeted funds to targeted areas.

This tool uses 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 is collected, a report is generated with a condition or blockage rating of the inspected sewer main segments. This will allow the Underground Utilities Division to focus more on higher priority sewer mains with a higher percentage of blockages and not have to flush or clean basically clear sewer mains. With this technology and inspection program, more frequent flushing and cleaning can be done in problem areas increasing service levels and more efficient operations and reduced 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 instead of doing blanket video inspection and flushing/cleaning of the entire system.

The assessment graded each sewer segment as good, fair, poor, and blocked which are represented by colors on each segment (green, yellow, red, and white respectively). Phase I identified the following percentages within each category:

GOOD - 60.6% POOR - 8.6% NOT SURVEYED - 0.4%
 FAIR - 24.3% BLOCKED - 6.0%

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

Staff has received the following proposal from the following firm:

VENDOR	COST PER LF	LINEAR FT	TOTAL SL RAT	COST PER GPS	# OF MANHOLES	TOTAL GPS	TOTAL COST
Midwest Water Group, INC – Chicago, IL	\$0.25	270,942	\$67,735.50	\$15.00	1,500	\$22,500	\$90,235.50

The 2018 inspection area will be from Madison Street to the northern limits of Lombard. Included in the proposal is a unit cost to GPS the manhole structures in the inspection area, however, the Village staff has decided to complete the manhole GPS location in-house at a later date.

The completion of the Village’s entire sanitary sewer system assessment will be key in programming future maintenance, repairs, and replacement of sewer infrastructure. This

will also aid the Utilities Division in troubleshooting frequent problem areas on the north side of Lombard that has experienced recent flooding in June and July of 2018.

Recommendation

The Utilities Group recommends waiving the bidding process and accepting the proposal for the Sewer Line Inspection using the SL-RAT technology as submitted by Midwest Water Group, Inc. of Chicago, IL and authorize an agreement in an amount not to exceed \$67,735.50. Funds are realized in Water/Sewer Capital Reserve Fund RM PROG 10 Sewer Maintenance and Improvements.

Project Progress Bar

Row Labels	Count of Status	Percent
complete	1400	93.96%
Could not Surv	32	2.15%
Could Not Loca	58	3.89%
Grand Total	1490	100.00%

Progress On Project

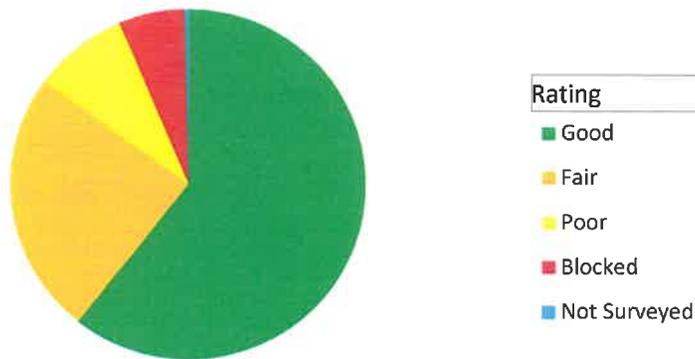


Results to Date

Rating	Data	
	Percent of Total Footage Surveyed	Sum of GIS Length (ft)
Good	60.65%	159407.3
Fair	24.35%	63994.6
Poor	8.60%	22599
Blocked	6.03%	15851.6
Not Surveyed	0.37%	982.1
Grand Total	100.00%	262834.6

Percent of Total Footage Surveyed Sum of GIS Length (ft)

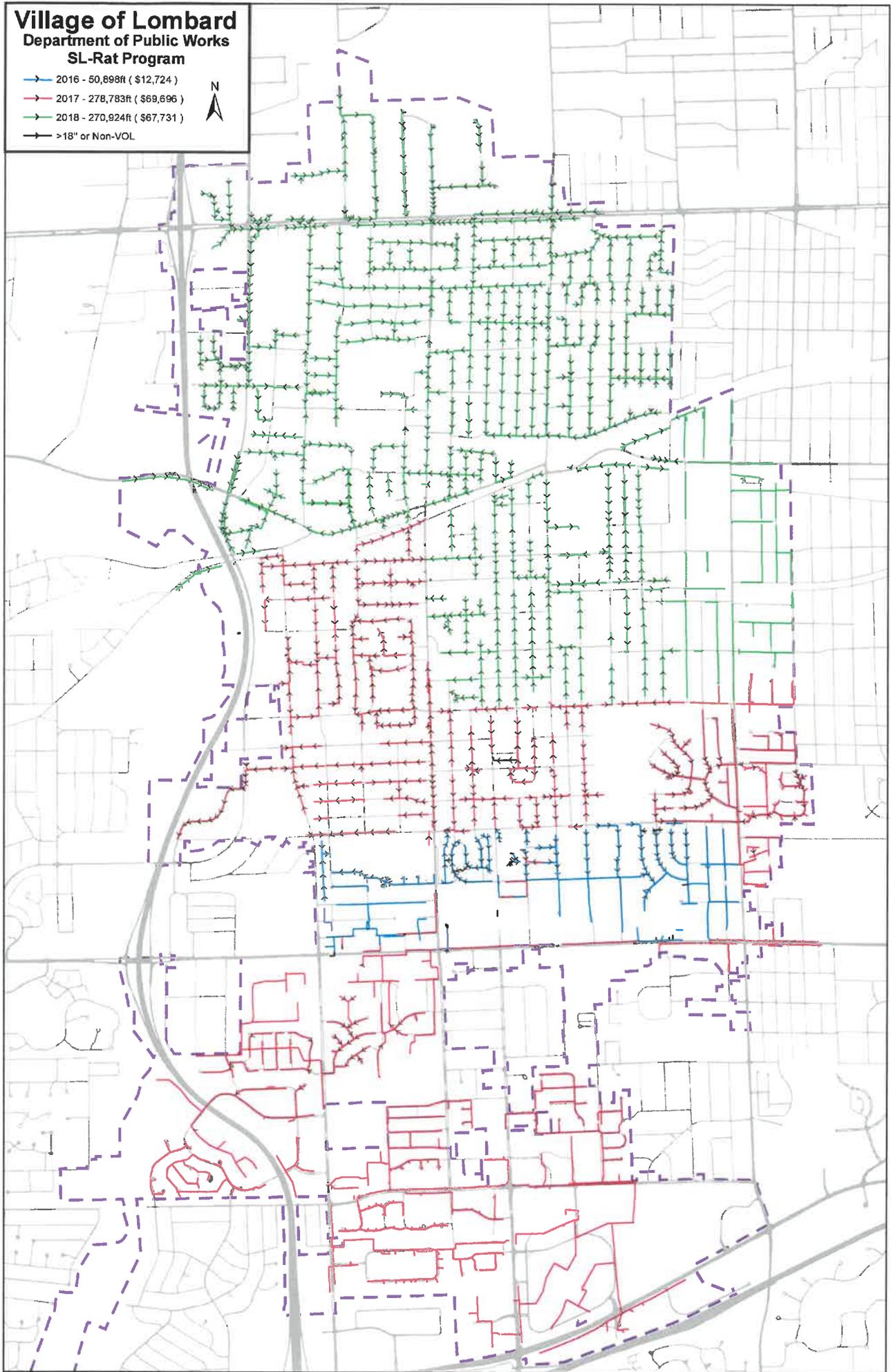
Percent of Total Footage Surveyed



Values

Village of Lombard
Department of Public Works
SL-Rat Program

- 2016 - 50,898ft (\$12,724)
- 2017 - 278,783ft (\$69,696)
- 2018 - 270,924ft (\$67,731)
- >18" or Non-VOL





Quotation

MIDWEST WATER GROUP, INC.
4410 S. HI-POINT RD.
MCHENRY, IL. 60050
Phone: 866.526.6558
Fax: 866.526.6559
www.midwestwatergroup.com

Date: 7/9/2018
Quote #: 3512
Outside SR: CS
Inside SR: MH

Bill To:

Village of Lombard
235 East Wilson Ave
Lombard, IL 60148-3926

Ship To:

Village of Lombard-PW
1051 S. Hammerschmidt
Lombard, IL 60148
ATTN: Brian Jack

Item	Description	Qty	Unit Price	Total
SL-RAT INSPE...	Sewer Line Inspections using SL-RAT (Minimum of 50,000 ft)	270,942	0.25	67,735.50
GPS	GPS Coordinates	1,500	15.00	22,500.00T
	Sales Tax		0.00%	0.00

Any questions, please call Chad Smeltzer at 302-419-6776.

Proposal Total \$90,235.50

VILLAGE OF LOMBARD

SL RAT Acoustic Pipeline Monitoring & Assessment Phase II FY 2018

This agreement is made this 19th day of July, 2018, 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., of McHenry, IL) 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:

Provide labor, equipment, and materials for Sewer Root Control in an amount not to exceed
\$67,735.50

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 July 9, 2018.
 - 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 amount not to exceed \$67,735.50 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.
5. The Contractor represents and warrants that it will comply with all applicable Federal, State and local laws concerning prevailing wage rates regarding installation services provided under this Contract and all Federal, state and local laws concerning equal employment opportunities.
6. The Contractor shall deliver the goods under this Contract by December 31, 2018.

7. In executing this Contract, Contractor agrees that it has examined the site of the work and the conditions existing therein, has examined the Contract Documents and taken and compared field measurements and conditions with those Documents.

8. This Contract represents the entire agreement between the parties and may not be modified without the written approval of both parties.

9. Where the terms of this Contract conflict with the provisions of the Contract Documents, the Contract Documents shall be binding.

IN WITNESS WHEREOF, the Village of Lombard, Illinois by Village Manager, and the Contractor have hereunto set their hands this 19th day of July, 2018.

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 ___ day of _____, 20__.

Individual or Partnership _____ Corporation _____

By Position/Title

By Position/Title

Print Company Name

THE VILLAGE OF LOMBARD, ILLINOIS

Accepted this 19th day of July, 2018.

Keith Giagnorio
Village President

Attest:

Sharon Kuderna
Village Clerk

**VILLAGE OF LOMBARD
CONTRACTOR'S CERTIFICATION**

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

I am the _____ (Officer or Owner of Company)
_____ (Title) for _____ (Name of Company),

(the "Contractor"), which has submitted a proposal for 2016 SCADA Control Room Redesign Project 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 _____ (Name of employee/driver or "all employee drivers")

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: _____
Authorized Agent of Contractor

Subscribed and sworn to
before me this _____
day of _____, 2018.

Notary Public