



Legislation Text

File #: 2021-0106, **Version:** 0

Title/Name/Summary

2021 Strategic Flow Monitoring - Proposal

History

In 2015, RJN Group Inc. of Wheaton, Illinois (RJN) was selected through a competitive proposal process to complete the Village's Comprehensive Sanitary Sewer Evaluation Project. An engineering consultant was required to guide the Village through the various technical processes required to conform to new mandates issued by the Metropolitan Water Reclamation District (MWRD) as it relates to the reduction of inflow/infiltration (I/I) into the Village's sanitary sewer system.

The consultant was tasked to "provide assistance in developing and implementing a Village-wide comprehensive sanitary sewer system evaluation & repair program." Section F, in the Village's scope of work, requires the consultant to assist in the establishment of programs, parameters and bid documents for short term and long term operational activities, including but not limited to, manhole inspections, smoke testing, flow monitoring and televising sanitary sewers. In 2020, the Village Board approved an additional five-year contract with RJN to continue assisting the Village with MWRD requirements through 2024. See attached contract.

Village staff determined that a Village-wide flow monitoring program would be beneficial to help guide the Village's Sanitary Sewer Program. Flow monitoring, in short, determines if there are differences in sanitary sewer flows during dry and wet weather conditions. The primary purpose of the flow monitoring project is to provide the Village with a comprehensive and comparative assessment of the sanitary sewers. The attached proposal is for flow monitoring services directly related to the Village's Sanitary Sewer Inflow and Infiltration Capital Improvement Program for the next four (4) years.

For 2021, after discussion with Utility Division staff, RJN has recommended the placement of flow meters at eight (8) locations to further analyze these locations. These locations are listed and shown in Exhibit A of the task order proposal to original contract. By using eight (8) flow meters to monitor the basins in this location, it will provide baseline flow assessment outside the high priority area to determine future need for further evaluation and analysis. Having baseline data for these areas will be beneficial so that future inspections required under the MWRD IICP- Long Term Operation & Maintenance Program (LTOMP) can be quantitatively analyzed for flow reduction, and flow reduction efforts can be quantified following sewer rehabilitation activities in the area. The last Flow Monitoring program took place in 2019 with five (5) meters a total cost of \$44,325.00. The total cost for the recommended eight (8) meters for the 2021 flow monitoring program is \$48,420.00.

Financial Impact

There is sufficient funding in the FY21 budget line item 031-6003-470500 to accommodate this work.

Recommended Action/Motion

I move to approve accepting the task order proposal under the 2020-2024 contract from RJN Group

Inc. of Wheaton, Illinois for 2021 Flow Monitoring Services for a cost not to exceed \$48,420.00;

And,

To authorize the Village Manager to execute all related contracts, subject to Village Attorney review.