



## Legislation Text

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**File #:** 2019-0262, **Version:** 1

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### Title/Name/Summary

2019 Sanitary Flow Monitoring - Proposal

### History

In 2015, RJN Group Inc. of Wheaton, Illinois (RJN) was selected by 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.

Following the results of the original 2016 flow monitoring and discussions between RJN and village staff, it was determined that a village-wide flow monitoring program would be beneficial to help guide the village's Sanitary Sewer Program. This proposal is for flow monitoring services directly related to the village's Sanitary Sewer Inflow and Infiltration Capital Improvement Program for Year 5.

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.

For 2019, after discussion with Utility Division staff, RJN has recommended the placement of flow meters at five (5) locations to further analyze upstream of the Wedgewood and Fairway Lift Stations. These locations are listed and shown in Exhibit A. By using five (5) flow meters to monitor the basins upstream of the lift stations, baseline flow assessment for two (2) of the village's critical lift stations will be provided. 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. This data will also help determine efficiency and capacity of the lift stations just immediately downstream of the meters. The total cost for the recommended 2019 flow monitoring program is \$44,325.00.

On April 15, 2019, this item was reviewed by the Public Works Committee and recommended for approval and referred to the Village Board of Trustees for consideration.

### Financial Impact

There is sufficient funding in the FY19 budget line item 031-6003-443800 to accommodate this work.

**Recommended Action/Motion**

I move to approve accepting the proposal from RJN Group Inc. of Wheaton, Illinois for 2019 Flow Monitoring Services for a cost not to exceed \$44,325.00.