



## Legislation Text

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**File #:** 2017-0145, **Version:** 1

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**Title**  
2017 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. A vendor 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 vendor 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 a number of meetings 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 2.

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.

In 2016, following a detailed review of the Village's sanitary sewer GIS atlas, RJN recommended 13 locations for flow monitoring, along with an evaluation of flow through four lift stations. The information collected provided valuable information in determining how to move forward with the program. RJN will use this data to recommend future long-term operations and maintenance programs.

For 2017, RJN has recommended the implementation of six flow meters to provide a more detailed analysis of our primary project area. These locations are listed and shown in the attached proposal. The total cost for the recommended 2017 flow monitoring program is \$82,300. This cost includes the purchase of three additional flow monitoring devices which will bring the Village owned fleet to six (6), each of the 6 will remain in place for longer-term evaluation.

On March 6, 2017, 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 FY17 budget line item 031-6003-470500 to accommodate this work.

**Recommended Action/Motion**

I move to approve accepting the proposal from RJN Group Inc. of Wheaton, Illinois for 2017 Flow Monitoring Services for a cost not to exceed \$82,300.