



Legislation Details (With Text)

File #:	2016-0264	Version:	0	Name:	Sanitary Flow Monitoring - Proposal
Type:	MOTION	Status:		Status:	PASSED
File created:	3/30/2016	In control:		In control:	Board of Trustees
On agenda:	4/4/2016	Final action:		Final action:	4/4/2016
Title:	Sanitary Flow Monitoring - Proposal				
Code sections:					
Attachments:	1. Flow Monitoring-Rev., 2. HR Green Flow Monitoring Proposal, 3. RJN Group - Signed Contract - Comp Sanitary Sewer Eval. Add A Sanitary Flow Monitoring				

Date	Ver.	Action By	Action	Result
4/4/2016	0	Board of Trustees		
3/30/2016	0	Public Works Department	INTRODUCED TO BOARD	

Title
Sanitary Flow Monitoring - Proposal

History

RJN was recently 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, as selected through the competitive proposal process, was tasked to “provide assistance in developing and implementing a Village-wide comprehensive sanitary sewer system and evaluation & repair program.” Section F in the Village’s scope of work from the competitive proposal 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 has been determined that a Village-wide flow monitoring program will 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. Flow monitoring, in short, determines if there are differences in sanitary sewer flows during dry and wet weather conditions.

Following clean-up and a detailed review of the Village’s sanitary sewer GIS atlas, RJN recommended 13 locations for flow monitoring, along with evaluation of flow through four lift stations. These locations are listed and shown in the attached proposal.

Flow monitoring in the Village is important for a number of reasons. The primary purpose for the flow monitoring project is to provide the Village with a comprehensive and comparative assessment of the sanitary sewers. Using the data from the 13 meter sites and four lift stations, over 80% of the sewers within the Village are included in the assessment. RJN will use this data to recommend future long term operations and maintenance programs. The information will also be

used to evaluate sewer capacity to provide service for future development on currently undeveloped land. The total cost for the recommended flow monitoring program is \$147,320. This cost includes the purchase of three flow monitoring devices which will remain in place for longer term evaluation.

Financial Impact

There is sufficient funding in the FY16 budget line item 031-6003-470500 to accommodate this work.

Recommended Action/Motion

I move to approve accepting the proposal for Flow Monitoring Services submitted by RJN Group Inc. of Wheaton, Illinois for a cost not to exceed \$147,320.