



Legislation Details (With Text)

File #:	2019-0900	Version:	0	Name:	Consulting Engineering Services for Comprehensive Sanitary Sewer Evaluation - Contract Services
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On agenda:	1/6/2020	Final action:		Final action:	1/6/2020
Title:	Consulting Engineering Services for Comprehensive Sanitary Sewer Evaluation - Contract Services				
Code sections:					
Attachments:	1. Proposal, 2. Contract - Signed, 3. Addendum E - Signed				

Date	Ver.	Action By	Action	Result
1/6/2020	0	Board of Trustees		
12/5/2019	0	Public Works Department	INTRODUCED TO BOARD	

Title
Consulting Engineering Services for Comprehensive Sanitary Sewer Evaluation - Contract Services

History
In 2015, RJN Group Inc. of Wheaton, Illinois (RJN) was selected by a competitive proposal process to perform the village's Comprehensive Sanitary Sewer Evaluation Project. A consultant was requested to guide the Village through the various technical processes to conform to new mandates issued by the Metropolitan Water Reclamation District (MWRD) Watershed Management Ordinance (WMO) as it relates to the reduction of inflow and infiltration (I&I) into the Village's sanitary sewer system.

RJN Group was tasked to "provide assistance in developing and implementing a Village-wide comprehensive sanitary sewer system evaluation & repair program." RJN Group has assisted in the establishment of some initial programs, parameters and bid documents for short term and long term operational activities.

In 2016, following large scale flow monitoring and a number of meetings and discussions between RJN and Village staff, the priority basin to focus our MWRD short term improvement efforts was identified. The basin is part of the tributary area to the 151st Street Lift Station, generally bounded between 143rd Street, 159th Street, LaGrange Road, and Harlem Avenue. Portions of the MWRD priority basin were also televised in 2016.

In 2017, efforts within the sanitary sewer system included smoke testing, manhole inspections, cleaning and televising of nearly half of the MWRD priority basin. Additional investigations occurred at the 151st Street Lift Station.

In 2018, smoke testing, manhole inspections, cleaning and televising, and dye testing continued in the high priority basin.

In 2019, work was approved by the board to remediate the deficiencies identified over the past several years. Additional testing, inspections, cleaning and televising also continue in the MWRD

high priority basin.

2019 was the last contract year for the consulting services of the RJN Group. The MWRD WMO requires additional programs, monitoring and continued reporting of the I&I within the Village. RJN Group has extensive experience with the MWRD's WMO Article 8 requirements and further demonstrated that they have well qualified staff available to complete the development of the various programs for the Village. RJN has been working with Village staff since 2015 building our I&I program and has extensive knowledge of our sanitary sewer system. RJN's rate schedule was clear, comprehensive and appropriately geared to accommodate staff's cost estimates for the development of the required programs. Staff has worked well with RJN Group and is requesting to continue with the RJN Group for performing the following:

- A. To continue assisting the Village of Orland Park in developing a Sewer System Condition Assessment within the high priority area and completing the Short Term Requirements Annual Summary Report.
- B. Assist the Village of Orland Park in the Sanitary Sewer System Rehabilitation Program including Manhole Rehabilitation and Cleaning & Televising. Utilize assessment data to identify rehabilitation needs and high priority deficiencies. Development of a Capital Improvement Program (CIP) based on the severity of the condition.
- C. Implement and submit to MWRD for a Private Sector Program (PSP) that addresses disconnection of direct and indirect cross-connections identified during inspections and repairs to service laterals.
- D. Update/revise the submittal to MWRD of the Village's Long Term Operations & Maintenance (O&M) Program conforming to Section §805 of the MWRD Watershed Management Ordinance.
- E. Public Outreach/Notification Campaign:
Due to the highly visible nature of this type of work, the Consultant will assist staff with creating and maintaining an effective public outreach campaign that will consist of the following:
 - 1. Pre-Project campaign to notice citizens educating them of upcoming Testing/work
 - 2. Web based information, notifications and educational material
 - 3. Scheduled mailings and/or handouts
 - 4. Reminder information by neighborhood or designated work area
 - 5. Brochures, pamphlets and targeted neighborhood correspondences
- F. Continue to assist with programs, parameters and bid documents for short term and long term operational activities including but not limited to:
 - 1. Manhole Inspections
 - 2. Smoke Testing
 - 3. Flow monitoring
 - 4. Televising sanitary sewers

Staff anticipates that the consulting work to develop these critical programs will continue through FY2024. Staff requested a five year proposal (attached) for continuing the current programs and meeting the upcoming MWRD requirements. Estimated costs to continue program development are not to exceed \$70,000 annually for both FY 2020 and FY 2021. The cost will increase for FY 2022

and FY 2023 to \$75,000 each year as well as an increase to \$80,000 for FY 2024. RJN Group has held their annual pricing from FY 2018 for FY 2019 through 2021.

It is the staff's recommendation to continue our program with RJN Group, Inc. of Wheaton, Illinois.

Financial Impact

There are sufficient funds available in the Water Fund Capital account 031-6003-443800.

Recommended Action/Motion

I move to approve accepting the five year consulting engineering services proposal from RJN Group, Inc. of Wheaton, Illinois for Program Management & Compliance with MWRD Inflow and Infiltration Control Program in an amount not to exceed \$70,000 annually for FY2020 and FY2021, an amount not to exceed \$75,000 annually for FY2022 and FY2023 and an amount not to exceed \$80,000 for FY2024.