



Legislation Text

File #: 2015-0401, **Version:** 1

Title

Combination Sewer Cleaner Replacement - Purchase

History

The Village currently owns and operates a combination sewer cleaner (Vactor). The combination sewer cleaner is currently used to perform cleaning and maintenance functions for sanitary sewers and storm sewer lines, including both jetting and vacuuming. The sewer cleaner also performs hydro excavations for digs and utility location/verifications. The Utility Division currently performs routine cleaning of the sanitary sewer system but needs to expand the program for increased storm sewer routine cleaning and maintenance. The current machine is also undersized for the maintenance of the larger diameter storm sewer piping.

In order to accomplish this expanded function, Public Works initially considered whether to purchase a second combination sewer cleaner. This new sewer cleaner would have been used primarily for storm sewer cleaning and maintenance and as a back-up to the existing sewer cleaner, which then would have been used primarily for hydro excavations and sanitary sewer cleaning services; thus accommodating the need for the expanded routine storm sewer cleaning and maintenance program.

Consistently evaluating ways to reduce cost and increase efficiencies, staff was tasked with performing a cost analysis for the privatization of sewer cleaning. Upon evaluation it was determined that the consistency of pipe location and the benefit of previous cleaning make the sanitary system the most viable option for privatization. The analysis found that there were significant cost savings that favors the Village's privatization of sanitary sewer cleaning services well past the life of a newly purchased combination sewer cleaner. Contracting sanitary sewer cleaning would allow for the existing sewer cleaner to be utilized primarily for storm sewer cleaning services and hydro excavations. The Utility Division would still service sanitary sewer lines as the need occurs.

Contracting out sanitary sewer cleaning services would also accommodate the Village's need for replacement of the existing combination sewer cleaner. The current combination sewer cleaner is a 14-year old "Vactor" model 2110 with approximately 48,000 miles and 9,600 engine hours. Typical replacement is generally considered after ten (10) years, with maintenance costs increasing significantly every year beyond that date. While contracting components of sewer maintenance services provides cost savings, owning a combination sewer cleaner is critical for hydro excavation needs and emergency response for sanitary and storm sewer blockages.

Staff recommends purchasing a 2016 Vactor, model 2112 Plus Combination Sewer Cleaner, through the Suburban Purchasing Cooperative (SPC), contract #127. This unit, larger than the existing machine, has a 12 yard capacity debris tank, 1,500 gallons water capacity, and has a two stage fan which increases the vacuum power needed for storm sewer maintenance. In comparison, the current machine has a ten yard debris tank, with a single fan and holds 1,000 gallons of water. The Vactor 2112 is locally made in Streator, Illinois and sold through Standard Equipment of Chicago, Illinois who

is the SPC contract holder and factory authorized dealer of this sewer cleaner. The Village has owned & operated a "Vactor" brand combination sewer cleaner for more than twenty years and has had excellent and reliable service from both the brand and authorized dealer.

On July 6, 2015, this item was reviewed and approved by the Public Works Committee and referred to the Board for approval.

Financial impact

Funds are available for the purchase of a replacement combination sewer cleaner in accounts 031-6002-470600 and 031-6003-470600.

Recommended Action/Motion

I move to approve to the Village Board to waive the bid process;

And

Approve the purchase of a replacement 2016 Vactor, model 2112 Plus Combination Sewer Cleaner in an amount not to exceed \$383,238.00 through the Suburban Purchasing Cooperative from Standard Equipment Company of Chicago, Illinois.