

(Department)

To: Public Works Committee

From: Tim Hayden

Date: 5/7/2025

Subject: Purchase of Trailer-Mounted High-Pressure Sewer Cleaner

Background

The Wastewater Treatment Plant has been managing ongoing issues with plugged waste-activated sludge lines for several years. These lines are 6 inches in diameter and span over 900 feet in length, presenting significant challenges due to limited access points for cleaning. Numerous attempts to clean the lines have been unsuccessful, highlighting the need for a more effective solution.

A quote for cleaning these pipes using an outside service was obtained, with costs estimated at \$26,575 for the first 12 hours and \$9,775 for each additional 12-hour period—an average cost of \$1,514 per hour.

As part of our evaluation process, we collaborated with Brown Equipment Company, which provided a demonstration of a trailer-mounted high-pressure sewer cleaner equipped with specialized nozzles. The demonstration confirmed the equipment's ability to safely and effectively clean the lines, enabling routine maintenance to prevent future blockages.

Based on the success of the demonstration and the long-term operational and financial benefits, we moved forward with acquiring bids for Trailer-Mounted High Pressure Sewer Cleaners with specifications matching the unit used in the successful demonstration. This investment will not only address the immediate issue but also enhance our capacity for maintaining the infrastructure more cost-effectively and efficiently.

Budget Goal

The purchase of a Combination Sewer Cleaner Truck came in at \$124,692 under budget. We propose using these remaining funds to cover the cost of the Trailer Mounted High-Pressure Sewer Cleaner and the cleaning nozzles.

The results of our request for quotes yielded three responses...

Company	Equipment Name	Cost	Lead Time
Brown Equipment Company	Sewer-747-FR200 ECO Trailer Jetter	\$103,055.64	In stock June 1, 2025
JWR	GapVax G7 Trailer Jetter	\$88,342	End of the year.
MacQueen	RamJet Trailer	\$104,440	3-4 months from order date.

Financial Impact

Due to the remaining funds budgeted for the purchase of a Combination Sewer Cleaner Truck, there is no additional impact on the 2025 budget. After the purchase of this piece of equipment the remaining funds allocated to the Combination Sewer Cleaner Truck will be \$21,636.36. These funds will be used to purchase accessories for both the Combination Sewer Cleaner Truck and the Trailer Jetter.

Recommendation

Due to the issue with plugged wastewater activated sludge lines requiring a quick response, the demonstration proving that the Sewer-747-FR200 performs well, and has the shortest lead time... We recommend the purchase of a Sewer-747-FR2000 Eco Trailer Jetter from Brown Equipment Company for a total of \$103,055.64.