أراده الكالية فيستجرب المحمل المحاط والمحاطين

WAUWATOS

GOD WE TRUST

Combination Sewer Tuck

Jetting and Vacuum

Best Management Practice for cleaning and removing debris from the sewer system

SEWER MAINTENANCE

- An annual sanitary sewer system cleaning program lessens the risk of sanitary sewer blockages, which can cause sewer backups in homes.
- Catch basins are designed to catch sediment before entering local waterways, helping to keep them clean. DPW crews clean all catch basins on a rotating schedule.

Performance Indicator	2020	2021	2022	2023
Sanitary Sewers Cleaned (In. ft.)	253,755	165,149	315,987	173,704
Calls for Sanitary Service (each)	98	75	85	94
Catch Basins Cleaned (each)	600	609	635	621
Catch Basin Debris (tons)	75	78	104	65

Current DPW Capabilities | Jet Truck



• 2013 Sewer Jetting Truck has no vacuum capability.

 The Jetting Truck is designed to clean the sewers, but not to remove the debris. Crews use a basket connected to a pole.



Current DPW Capabilities | Combination Truck



 2005 Sewer Combination Truck with jetting and vacuuming is designed to clean sewers and vacuum the debris.



A combination jet and vacuum truck offers several advantages over a standard jet truck for cleaning.

Efficient Debris Removal: While a jet truck can effectively clear blockages with high-pressure water, a combination truck can immediately vacuum the dislodged debris and water, preventing it from settling back into the sewer.

Reduced Cleanup Time: The vacuum capability allows quicker and more thorough cleanup of the area, minimizing the need for additional equipment or manual labor to remove waste after jetting.

Versatility: These trucks can handle various tasks, from clearing clogs to removing accumulated sludge, making them more versatile for different types of sewer maintenance.

Minimized Risk of Damage: The vacuum function can help manage the water flow and pressure, reducing the risk of damaging sewer lines or manholes that might occur with high-pressure jets alone.

SEWER MAINTENANCE – STORM SEWER



SEWER MAINTENANCE – SANITARY SEWER



Maintenance Cost January 2023 through May 2024

Fleet Labor Cost \$24,336.50

Inventory and Supplies \$45,947.83

Total Cost \$70,284.33

Water Pressure is lower than current trucks.

Newer combination trucks are set up for hydro excavation.



Hydro-excavation uses high-pressure water to break up soil, which minimizes the risk of damaging underground utilities compared to traditional excavation methods. Using a vacuum system to remove the slurry (water and soil mixture) allows for the immediate removal of loose material, reducing the likelihood of accidentally impacting utilities near the surface. Both Wauwatosa Water Works and the Electrical and Traffic divisions would utilize this feature with a newer truck.





The current truck is set up with the vacuum, jet, and controls on the back of the truck.

This exposes the operators to oncoming traffic.

Newer trucks have the vacuum, jet, and controls on the front of the truck, providing a buffer for our employees.



"I JUST WANT TO GET BACK TO NORMAL STUFF. DRIVING AGAIN, PLAYING WITH MY SON, TAKING HIM FISHING. I WANT TO GET BACK TO LIFE AGAIN."

SCOTT HANSEN

Wisconsin road maintenance worker and crash survivor



It was the third week of March, it was around noon time and my job that day was to clean sewer lines under Tenth and National and we had coned the whole lane closed and me and my coworker Butch, we had it all coned out and we just got out of the truck and we opened up the manhole and we were just starting to put the hose down the line, down to clean the sewer line and some person came through the cones and hit him and me.

Scott Hansen 2003

Recommending a Level III Fund Transfer for the purchase of a 2025 Vactor 2100i **Combination Vacuum** and Sewer Cleaning Truck and **Maintenance Package** through Sourcewell's cooperative purchasing agreement.



Vactor 2100i PD, 16" Vacuum, 15-yard Debris, Combo, 1500 Gallons Water

Questions