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DEPARTMENT OF PUBLIC WORKS
Operations Division
2625 East Glendale Avenue
Appleton, WI 54911
TEL (920) 832-5580
FAX (920) 832-5570

MEMO

TO: CEA Review Committee

FROM: Mike Stanonik, Operations Foreman

DATE: March 25, 2021

SUBJECT: Request to upgrade sweeper #113 when it's replaced in 2021

The Department of Public Works is requesting permission to upgrade sweeper #113 with a second gutter broom when it is replaced in 2021.

Sweeper #113 is one of 2 mechanical sweepers in our fleet. For traditional residential streets with one lane of traffic in each direction there are few issues with having one gutter broom on the right side of the unit. However, streets that have curbed islands, medians or roundabouts pose situations that need to be addressed. For example, sweeping Meadow Grove Blvd. currently requires a sweeper to travel against the flow of traffic while sweeping next to the island/median because there isn't a broom on the left side of the unit. This same situation applies to every roundabout in the City when we are sweeping the inside curb of the roundabout. The sweeper must travel against the flow of traffic to sweep the inside gutter. The traffic control standards require traffic control for each of the incoming lanes of traffic when sweeping against the flow of traffic. This means that the three (3) other sweepers need to leave their assigned route and be onsite to assist when sweeping a roundabout and one additional sweeper on other City streets with medians.

Upgrading sweeper #113 to include a gutter broom on both sides will allow for this unit to sweep with traffic and therefore eliminating the need for additional sweepers to leave their route to help with traffic control, which will greatly improve efficiency. Also, this additional gutter broom will improve safety for the sweepers and motorists as there will no longer be a need to sweep against the flow of traffic.

The estimated additional cost to upgrade sweeper #113 is approximately \$10,000. If approved, the additional cost for the upgrade will be included in the Department of Public Works Stormwater division budget request for 2021.

Thank you for your consideration in this matter.