



"...meeting community needs...enhancing quality of life."

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: Nate Loper, Deputy Director of Public Works

Date: March 20, 2018

Subject: Request to upgrade single axle truck #30 when it's replaced in 2019

The Department of Public Works (DPW) is requesting approval to upgrade single axle truck #30 with dual auger front salting units when it's replaced in 2019. Truck #30 is a 2007 single axle dump truck and is one of the first salt trucks dispatched during snow and ice events. This truck currently has a single rear mounted auger and salting unit for placing salt at the centerline of the roadway.

We are requesting to upgrade this truck from the current setup to a dual auger truck with dual front salting units. We feel this upgrade will provide us with a more efficient alternative to the traditional style truck for responding to emergency salting operations. Our first priority during snow and ice control operations is to treat our arterial streets, collector streets, hills, bridges and curves. Most of these streets are 4 lane roads and require multiple passes to salt all lanes. The benefit of the dual auger truck with front spinners is that it allows the truck to apply salt on two (2) lanes at once vs. one (1) lane at a time with the current truck. This greatly reduces our response time and is a much more economical method of salting wide streets. This style truck also allows the operator to salt the parking lanes when necessary, unlike the traditional salt trucks that can only salt the center of the roadway.

Another benefit with the dual auger truck design is the valve enclosure and hydraulic tank are mounted on top of the frame rail and behind the cab. Having these parts mounted in this location greatly reduces the salt exposure and corrosion, compared to the traditional truck design with these parts mounted on the frame rails.

The estimated additional cost to replace truck #30 with dual auger front salting units is \$3,000. If approved, the additional cost for the upgrade will be included in the Public Works Department budget requests for 2019.

Thank you for your consideration.