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MEMO

TO: CEA Review Committee

FROM: Carl Schultz, Operations Foreman

DATE: March 31, 2014

SUBJECT: Request to upgrade single axle truck #19 when replaced in 2015

Truck #19 is due for replacement into 2015. Truck #19 has a conventional tailgate mounted auger and spinner for placing salt on the roadway. This is the most efficient way to place salt during snow and ice removal operations in most circumstances. I am requesting an upgrade from the traditional tailgate mounted system to a live bottom dual auger, RDS body with dual front spinners. I feel this body type gives us a more efficient alternative to the traditional style truck for responding to emergency snow removal requests.

Generally our snow removal consists of either a plowing or plowing and salting operation of varying scales, from 1 quick response truck to a full plow event involving 35 pieces of equipment. A tailgate mounted auger and spinner is best suited for most operations because of the cheaper cost and the need to place salt in the middle of residential streets (along the center line). The benefit of the live bottom, dual auger front spinner truck is that it allows the truck to apply salt to two lanes at once vs. the traditional one lane road. This is an advantage when primarily salting roads more than 2 lanes wide.

Part of our response for snow and ice control operations is a hills and bridges route, and a 7-man arterial and collector route. These routes concentrate on hills, bridges, 4 lane arterial and 2 lane collector streets. The unique ability of a live bottom, dual auger front spinner truck allows the driver to salt two lanes of traffic at once, greatly reducing the driver's need to travel the same street 2 additional times. This also increases the response time for our operations during a snow event. It is estimated, under the right conditions, that salt application time can be reduced by as much as 30% to 50% with the dual augers.

The estimated additional cost to replace truck #19's conventional tailgate auger and spinner unit with a live bottom dual auger, RDS body with dual front spinners is \$13,000. If approved, the additional cost for the upgrade will be included in the Public Works Department budget request for 2015.

Thank you for your consideration in this matter.