



# City of Grand Island

Tuesday, February 28, 2023

Council Session

## Item G-13

**#2023-48 - Approving Purchase of a New 14' Vee Box Bulk Salt Spreader for the Streets Division of the Public Works Department**

Staff Contact: Keith Kurz PE, Interim Public Works Director

# **Council Agenda Memo**

**From:** Shannon Callahan, Street Superintendent

**Meeting:** February 28, 2023

**Subject:** Approving Purchase of a new 14' Vee Box Bulk Salt Spreader for the Streets Division of the Public Works Department

**Presenter(s):** Keith Kurz PE, Interim Public Works Director

## **Background**

The Streets Division's Ice Control Operation is performed by spreading salt and other granular products on the roadway to reduce slick conditions for motorists and provide safer roadways during winter weather. This operation impacts a large percentage of roadway users and is very time sensitive.

The spreading of salt is performed by trucks outfitted with bulk salt spreaders. Prior to 2020 the Streets Division had only four salt trucks to complete ice control on the major roadways. With the growth of the City these four trucks were taking a long time to treat all the required roadways. In 2020, a fifth salt truck was added to the operation by means of using a large dump truck with tailgate salt spreader. A salting route was created specifically for this unit as it has a larger capacity than the other units and therefore can travel farther before needing to be reloaded with salt. The highest priority roadway for this unit's route is Webb Road with average traffic counts between 11,000 and 15,000 vehicles per day.

The dump truck with tailgate salt spreader was set up as a trial since all the other units have vee box spreaders. Salt is fed into the tailgate spreader by means of gravity in which the box on the dump truck must be raised as the truck is being driven. In contrast, the vee box spreaders have a conveyor belt system that feeds the spreader without the need to raise a dump box. The tailgate spreader is less expensive to purchase and install so the trial was used to determine if this would work for the City moving forward.

*Tailgate Spreader Example*



*Vee Box Spreader Example*



The dump truck with tailgate spreader trial has shown that this set up is very difficult to use within the City. The height the dump body can be raised in town is limited by the number of overhead power lines, overhead cables, and traffic signals. This limitation has led to issues with salt being fed into the spreader causing inconsistent spreading and issues with salt clumping and sticking to the dump body. Once the salt begins to clump as it is fed to the spreader, the spreader will leave large piles of wasted salt instead of spreading evenly. Often times, the operator has to stop and manually unclog the spreader when working the route which takes up valuable time and is unsafe.

Therefore, the Streets Division is recommending replacing the tailgate salt spreader setup with a vee box spreader. There are funds available in the 2022/2023 budget for a new 14' Vee Box Bulk Salt Spreader because of a \$72,000 cost savings from purchasing a front

end loader opposed to a motor grader (approved by City Council on December 20, 2022, via Resolution No. 2022-357).

### **Discussion**

The City of Grand Island City Council approved the use of the National Joint Powers Alliance Buying Group (NJPA), now known as Sourcewell, with Resolution 2014-326.

To meet competitive bidding requirements, the Streets Division obtained pricing from the (NJPA) Sourcewell Contract No. 080818-HPI awarded to Henderson Products, Inc. of Manchester, Iowa.

Per the Sourcewell Contract No. 080818-HPI the price for the new 14' Vee Box Bulk Salt Spreader, that meets the City's requirements, will be \$34,288.20 with an estimated freight cost of \$2,000.00 for a net purchase price of \$36,288.20.

### **Alternatives**

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

### **Recommendation**

City Administration recommends that the Council approve the purchase of a new 14' Vee Box Bulk Salt Spreader from Henderson Products, Inc. of Manchester, Iowa for a net purchase price of \$36,288.20.

### **Sample Motion**

Move to approve the purchase of a new 14' Vee Box Bulk Salt Spreader from Henderson Products, Inc. of Manchester, Iowa for a net purchase price of \$36,288.20.

R E S O L U T I O N   2023-48

WHEREAS, Sourcewell, formerly known as the National Joint Powers Alliance, cooperative purchasing group was utilized to secure competitive bids for a new 14' Vee Box Bulk Salt Spreader by the Streets Division of the Public Works Department; and

WHEREAS, Sourcewell Contract No. Sourcewell Contract No. 080818-HPI was awarded to Henderson Products, Inc. of Manchester, Iowa; and

WHEREAS, the Public Works Department has recommended the purchase of a new 14' Vee Box Bulk Salt Spreader for a purchase price of \$34,288.20 and an estimated freight cost of \$2,000.00 for a net purchase price \$36,288.20.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that a purchase order and subsequent payment for the new 14' Vee Box Bulk Salt Spreader from Henderson Products, Inc. of Manchester, Iowa is hereby approved.

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Adopted by the City Council of the City of Grand Island, Nebraska, February 28, 2023.

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Roger G. Steele, Mayor

Attest:

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RaNae Edwards, City Clerk

Approved as to Form	☐ _____
February 24, 2023	☐ City Attorney