

2019 You Show Us Innovation Contest

SPREADER SPRAYER



City of Greenwood Village

Tom Sutton

10001 E. Costilla Ave.

Centennial, Colorado 80122

303-944-8490

tsutton@greenwoodvillage.com

PROBLEM STATEMENT

After the snow storm is over, all the truck beds have to be dumped and washed out thoroughly to prevent corrosion. This particular spreader is not removable and cannot be dumped. The only way to empty it is to turn on the conveyor and spin the salt out. A lot of the time the salt sticks to the side of the bed, around the grate and in the beams that hold up the grate. Someone has to climb up on the grate and spray it out with a fire hose. This process is very unsafe, even using a ladder is not safe.

DISCUSSION OF SOLUTION

We created a spray system that stays attached to the spreader grate, making it possible to clean the bed without having to climb on the truck.

LABOR, EQUIPMENT, AND MATERIALS USED

Two City employees built the sprayer which involved 16 personnel hours, hand tools and drills, irrigation supplies, rubber hose, fittings, clamps and U-bolts.

Labor Hours: \$600

Material Costs: \$400

Total Cost: \$1,000

SAVINGS BENEFITS TO AGENCY

Time spent cleaning the bed of the truck has been greatly reduced by installing this spray system. The risk of injury to employees has been reduced by removing the need to climb on the grate and or ladder with a fire-hose. Lastly the purchase of a catwalk or ladder was deemed unnecessary after the installation of the spray system.









