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MEMORANDUM

DATE: February 24, 2026
TO: Janet Herman, P.E. Director of Public Works
THRU: Dan Roberts, Assistant Director of Public Works Operations
FROM: Shawna Potter, Operations Finance Specialist
SUBJECT: Purchase of Chemical Inspection Sprayer Bed – Preferred Vendor Approval

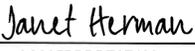
Our current invasive weed spraying assembly is a truck mounted system which includes a vehicle bed, tank, pumps, hoses, mixing, and spraying equipment. The system is currently mounted on a Ford F550 Four Wheel Drive Truck, Unit 16081. The unit is approximately 20 years old and was not replaced when the truck on which it was originally mounted was replaced in 2016.

Recently, we had Norstar, a specialized weed spraying system manufacturer, provide a quote to rebuild the system which has become obsolete and inoperable. The estimate to rebuild the system is \$102,000. Replacement with a new system has been quoted at \$136,084.

We recommend replacement of the old assembly with a new system as a better solution for long-term operation. We request your approval to proceed with this purchase with Nortstar as a preferred vendor since they are a specialized supplier.

Funding will come out of our equipment parts line item 31400.436200

If you approve of the use of a Preferred Vendor, please sign below.

DocuSigned by:

8C085BBDBE87489...
Janet Herman P.E.
Director of Public Works

Signed by:

EB22981118E544C...
Douglas Debord
County Manager



Douglas County, Colorado

Staff Report

File #: 4446

Agenda Date: 3/10/2026

Agenda #:

Daniel Roberts. Assistant Director. Operations

Norstar Chemical Injections Sprayer Bed

Douglas County Public Works Operations wishes to purchase a Norstar NSC-RS6000-G-725 Chemical Injection Sprayer Bed.

This Sprayer is an attachment to 16081. The current sprayer has aged and needs replacement. The sprayer is used on County Right of Way and Open Space Parcels spraying for noxious weeds.

Public Works Operations will be using funds from our equipment parts 31400.436200.

Public Works Operations recommend the Board approve the purchase of a Chemical Injection Sprayer Bed in the amount of \$136,084.00

NORSTAR **INDUSTRIES, INC.**

February 12, 2026

Curtis Marshall
Noxious Weed Supervisor
Douglas County Co.

RE: NORSTAR NSC-RS6000-G-725 CHEMICAL INJECTION SPRAYER BED QUOTE.

We are pleased to budget quote a 2026 NSC-RS6000-G-725 Norstar Chemical Injection Sprayer installed on customer supplied chassis with 84" CA and minimum 19,000 GVW. The following are features, equipment and components included on the sprayer bed.

- NSC-6 Custom 13ft. low mount sprayer bed, black powder coat finish with (3) chemical and (1) water pump drop wells. Full width cab guard, curb side access ladder with hand rails, rear grip strut step. LED marker lights, stop tail turn LED back-up, Cab guard mounted mini light bars, front and rear mini flashers. Cab guard mounted power, fuse and relay distribution enclosure.
- NSC-30725 725 Gallon black poly round legged water tank with surge baffle system, anti-siphon fill, 2" QD ball valve "Y" strainer and 25' fill hose.
- NSC-50200-V2 9HP GX270 clutch driven 9203C Hypro centrifugal water pump with cab controlled start/stop, water pump on/off and 50 mesh filters.
- NSC-2018-V2 Seven section boomless nutating spray head, dual mount feature allows right or left side spraying. The spray head is equipped with all brass solid stream nozzles producing 2', 2', 4', 4', 4', 6', 6', spray swaths totaling 28' all seven sections are individually controlled from the cab. First four nozzle sections nutate, all sections are sized for a total application rate of 35 gallons per acre at 11 MPH. Other features include cab controlled 30 degree tilt and 90 degree swing in-out.
- Nine (9) section solenoid-regulator assembly with (9) 144 A Directo Valves, (9) 3/4 inch brass regulators and (9) 2 1/2" inch liquid filled gauges contained in a powder coat finished panel. Manifold hose connection are 3/4" Camlock QD.
- Three (3) 30 Gallon cone bottom poly chemical tanks with three (3) 3/4" distribution valves, low level sensors, calibration valves and 2-speed agitation on the 30 gallon tanks.
- Norstar TASC 6300-RS6000 Chemical rate-mechanical control consoles cab mounted with articulated base for driver or passenger operation.
- Three (3) TeeJet model MT 500 peristaltic chemical injection pumps with an output of .05-350 ounces per minute and pump tube kits.

(1)



February 12, 2026

(2)

Douglas County Co. NSC-RS6000-G-725 sprayer bed budget quote (Cont.)

- NSC-91609 12 Gallon hand wash curb side mounted ball valve.
- Cab guard mounted weather tight enclosure for fuse and relay connections.
- Maintenance Calibration Kit.
- ELE-SY990-LED Rear Arrow Stick cab controlled LED caution light bar.
- One 18"x18"x36" Tool Box mounted under deck.
- NSC-90158 3-Tank Close Loading W/Chem Probe.
- NSC-73200 1/2"x200 hose reel, electric rewind and stainless steel rollers.
- NSC-20320 Guard rail nozzle.
- NSC-92000 Spill Kit.
- ASM-3119 8th nozzle extends spray pattern 10'-12'.
- Training will be provided by Norstar at a time and place agreed upon by Douglas County.

FOB Castle Rock Colorado \$ 136,084.00

TERMS AND CONDITIONS:

- Payment net 30 after receipt of equipment.
- Applicable taxes not included in quote pricing.
- Delivery approximately 90-120 days after receipt of acceptable chassis.
- Quote good for 60 days.

KB Swain
Norstar Industries
kbs@norstarind.com

Certificate Of Completion

Envelope Id: AA11D1AD-FDEE-454F-B582-B2D782DAEC38

Status: Completed

Subject: Memo - Purchase of Chemical Inspection Sprayer Bed

Contract Type:

Tuition Reimbursement Application:

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Document Pages: 4

Signatures: 2

Envelope Originator:

Certificate Pages: 5

Initials: 0

Amy Williams

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100 Third St.

Envelopeld Stamping: Enabled

Castle Rock, CO 80104

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Janet Herman

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Director

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ddebord@douglas.co.us

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Shawna Potter spotter@douglas.co.us Administrative Assistant Security Level: Email, Account Authentication (None) Electronic Record and Signature Disclosure: Accepted: 4/29/2025 2:10:51 PM ID: d7a6e970-3834-4874-99d2-6fa4ef9422a0	COPIED	Sent: 2/24/2026 2:15:28 PM Viewed: 2/24/2026 3:06:41 PM
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