

Scott County Administration
Purchasing Division
600 West Fourth Street, Davenport, IA 52801-1030

REQUEST FOR QUOTATION

Scott County Requisition No. 19540

Bidders need to complete and submit this form.

Submission Date: 4/27/2021	No Later Than: 10:00 a.m.
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Qty	Description
1	DUMP BODY, SNOW PLOW, SALT SPREADER WITH INSTALLATION
	Specifications attached (Pages 1-7)
	DELIVERY MUST BE AFTER JULY 1, 2021
	<u>Submit responses to www.publicpurchase.com</u>
	<u>Please register at www.publicpurchase.com</u>
	price quotation good for 60 days
	Delivery Included-to Eldridge, IA
	From time to time it may be necessary to change or modify a request for purchase. If you have received this request from any other source other than direct fax or email from Scott County, it is your responsibility to check for updates and/or changes to the request. If you would like to receive automatic updates please register your company in our vendor data base by using our website, www.scottcountyia.gov

Scott County reserves the right to accept the bid from the lowest responsible bidder.

Quote submitted by:

Released by:
(Scott County Use Only)

Name

Date: 4/12/2021

Time: 10:00 a.m.

Title

Company

Date

PLEASE NOTE:

Bidders must provide an estimated delivery date in their bid response!

Company Contact Information:	Phone:
	E-Mail:

“By virtue of statutory authority, a preference will be given to products and provisions grown and coal produced within the State of Iowa.”



Scott County of Iowa

April 12, 2021

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Specification For:

Installation of dump/snow removal equipment on one 2021 Single Axle

GENERAL REQUIREMENTS

All bidders **MUST** inspect existing county truck to verify installation of equipment prior to submission of bid. Please make appointment with Wayne Ryckaert at 563-328-4175 for viewing.

The bid will include the installation of hydraulics, box, snow plow, under body scraper, tailgate salter and pre-wet system. Requirements for box, hydraulics and snow plow are included. The tailgate salter shall be a stainless steel, Henderson TGS6, or comparable that meets or exceeds the model named. Salter must be equipped with LED light for spinner. Salter to be mounted 4" below tailgate. Spreader must have 7ga. trough with ¼" end plates. Salter and spreader to be made from 201 stainless. Spill shields will also be stainless and mounted on inside of tailgate. Auger motor with integral speed sensor. The under body scraper will be a Henderson UBS, or comparable that meets or exceeds the model named. Clip both ends of underbody scraper moldboard so edges are as close to the outside of the tires as possible. The new scraper will have a one-piece 1" circle with dual hydraulic reverse cylinders with cushion valve.

The following is a list of other equipment to be installed:

- Heated LED Plow Lights
- Snow plow lights with turn signals mounted on hood
- Steps for easy access to cab
- Steps on the cradle, so driver could step from cab to body. Additional two (2) steps and grab handle on the body driver side front.
- 100-gallon fuel tank mounted behind cab with manual shutoff. See drawing for dimensions. Six (6) LED Amber flashers in cab shield – two forward, two rear, and one on each side. All mounted inside a stainless steel protective enclosure.
- Quarter fenders mounted on frame in front of rear wheels.
- Rear mud flaps with removable pins. Mounted in front of the rear bolster.
- Rear tow hook
- License plate mounts front and rear

HYDRAULIC SPECS (ELECTRIC)

HYDRAULIC PUMP

The hydraulic pump shall be a U.S. manufactured axial piston pressure and flow compensated load-sensing type. The pump shall be cast iron construction and rated to 6.00 cubic inches per revolution at maximum stroke which will deliver 24.7 gpm @ 1000 engine rpm. The pump shall have a 2" inch suction line and ¾" case drain line plumbed directly back to the reservoir. The pump shall be rated for 3000 PSI maximum and 2500 PSI continuous. The pump shall have a 1½" keyed drive shaft and SAE type C mounting flange. The pump shall be Force America PVWH45L or prior approved equal. An auto shut off valve to be installed in outlet line of pump.

MOUNTING

The hydraulic pump shall be mounted with shaft centerline parallel to the crankshaft centerline and at a level to create not more than a **three-degree angle** on the driveline. Pump mounting shall be incorporated with a bracket fabricated to mount in the extended frame rails of the truck.

DRIVE LINE

The hydraulic pump shall be driven directly off the engine crankshaft via a splined driveline to allow for movement. The driveline shall include grease fittings on both u-joints. Driveline shall be a Spicer model 1310 series.

HYDRAULIC TANK AND VALVE ENCLOSURE:

The hydraulic tank shall be 30 gallon capacity with in tank filter and sight/temperature gauge. Hydraulic tank shall be vertically mounted on driver's side of full width cylinder cradle between cab and body, just behind fuel tank. The valve enclosure shall also be cradle mounted between cab and body (passenger side), just behind fuel tank. Steel tank and valve enclosure to be powder painted black.

FILTER

Hydraulic oil filter shall be mounted in the reservoir. Hydraulic filter shall be a 16-micron absolute and rated for no less than 60 GPM. Filter shall be model TEF31016VG16SP-UG60E115 or prior approved equal and include visual and electrical bypass indicators. A warning light and buzzer shall be mounted in the cab and wired to the electrical indicator. Low oil pressure auto pump shut down with manual override in cab.

HYDRAULIC VALVE

1. Hoist, 4-way for a double acting cylinder with down side work port relief set at 500 psi.
2. Plow Lift, 4-way for a double acting cylinder.
3. Plow Angle, 4-way for a double acting cylinder.
4. Under body lift, 4-way for a double acting cylinder with down side work port relief set at 500 psi.
5. Underbody swing, 4-way for a double acting cylinder.
6. SOV-Dual 2-way 12v electric proportional control section for the operation of the auger and spinner.
7. Hydraulic section for pre-wet
8. Pressure relief manifold for front plow.
9. Supervisor and calibration keys supplied to Scott County.

CONTROL CENTER GENERAL

Force America Ultra 5100 EX with 5100 EX model spreader control.

Tailgate lock and unlock switch to be one of five armrest switches.

Red indicator light to be installed in dash to let driver know when tail gate is unlocked.

DUMP BODY

EXTRA HEAVY DUTY STAINLESS STEEL 5-6 CU.YD. (120" CA. – 196" WHEEL BASE)

5 cu. yd. body struck capacity and 6 cu. yd. capacity at tailgate height. Sides 30", front 54" and rear 38" (approximately). Body to be 11 ft. long by 7 ft. wide (overall length of body is 12ft. with cylinder mounted in front of body, no internal doghouse). Sides shall have 3" board pockets to extend sides to tailgate height. Minimum tailgate height 38". The box overhang (from the box pivot point to the rear of the box) shall be 12". Nothing in the box construction shall inhibit the use of a tailgate spreader. Body to be equipped with 7 gauge 201 stainless steel half cab shield welded in place at 6 inches above cab. Weld joining box and cab shield on top to be continuous. Two lift pockets on top of dump body head sheet. One piece floor plate 3/16" AR400 formed into floor (4-6" radius 45 degree bevel, sides to floor). ½" x 118" HMW liner installed with full length stainless steel cover strips, also bolted down across front. Double acting tailgate, with offset hinges and spreader chains. Top of tailgate to be tapered to shed rock or dirt, with D ring welded to inside top center of tailgate for lifting.

Heavy-duty hardware with release hooks down. 1-1/4" diameter pins minimum. All tailgate hardware to be stainless steel. Hoist is mounted in front of body assembly (no internal doghouse) to lift loads by uni-body superstructure and not by head sheet only. Full length sub frame of adequate strength, compatible with box and hoist. Truck frame must be 2" shorter than body sub frame to assure pintle hitch clearance when box is raised at full angle with tailgate spreader mounted. Rear pintle plate with 40 ton manual pintle hook, D rings and trailer plug with existing chassis air lines through plate and capped with ½" plugs. Five inch structural steel I-beam longitudinal with no cross-members under box. Internal step and outer pullout 3 step ladder for driver's egress of dump body.

HOIST

Double acting front mount telescopic trunnion mounted. Cylinder to have minimum 110" stroke. Casing (base) to be minimum diameter of 5 ½" outside. The cylinder stages shall feature bronze head guides and steel top bushings. All cylinder stages to be double nitride for corrosion resistance. The air bleeder to be recessed in the top of the cylinder casing to prevent damage from impact. Cylinder cradle and rear hinge to be integrated into a 4" sub-frame assembly. This assembly is to be of a "bolt-on" design.

Box to have horizontal weld-on side and tailgate braces sides and end sheets to be seven ga. 201SS.

All body and tailgate side braces to be welded full length and all reinforcing and webs to be welded full length. Rear hinge pins to be greasable.

Electric Solenoid operated air actuated tailgate lock kit. Anchor lock 24 LS brake chamber or compatible with box tripping mechanism.

LED LIGHTS

Lights, mountings, and reflective tape (installed on lower edge of box sides and center of tailgate) supplied with box to meet all DOT and Iowa regulations. Body is to be equipped with three oval light holes in each rear corner post. Top light amber strobe, middle light tail light, and bottom light backup. We are requesting a bottom steel or poly plate, to give additional protection to lights and wiring, on the lower portion of each rear post. Must include a power distribution panel to separate equipment electrical from the chassis electrical. Power distribution panel must be mounted in cab and shall have each circuit fused and labeled to ease trouble shooting and maintenance.

Upper and lower chain hooks, (upper for tailgate down operation) Min. ½" thick stainless material. Stainless steel steps on front driver's side of body. Includes step on tank mount and two stainless steps on body plus stainless grab handles.

PREWET SYSTEM

Tailgate mounted unit with 75 gallon poly tank. Tank frame must be stainless steel.

Pump to be hydraulic driven with flow meter. Includes flush kit to ease cleanout of pump.

On-Off controlled by Force Ultra 5100EX.

GENERAL SNOW PLOW REQUIREMENTS

The intent of these specifications is to describe snow plows and frames assembled complete with all necessary equipment. The plow is to be complete and ready for use. Dealer shall attach specifications and appropriate literature to their proposal. Units shall be properly primed and painted. Units are to be heavy duty construction throughout.

SPECIFICATIONS:

One (1) eleven foot Two-Way level top Plow. The Plow to be equipped with "Quick hitch" style hitch. The truck portion of hitch is to be included in bid.

1. Two-Way snow plow, integral shield - discharge off both sides.
2. Safety tripping devices; full moldboard trip to tip forward, for driver and vehicle safety.
3. Moldboard cutting edge to be 11 foot in length.
4. Level plow height 41 - 42 inches from front edge of plow to ground.
5. Plow frame to have twin double acting four inch cylinders with plow-mounted cushion valve, hoses from cylinders to truck hitch, and including ½" male and female quick couplers. Plow reversing cylinders to be mounted above push frame to protect from road debris and ease maintenance.
6. Plow to be not less than 10 gauge throughout. – Stainless moldboard sheet - completely and adequately reinforced throughout. Must have a minimum of eight (8) steel ribs, ½" in thickness.
7. Plow hitch to be "quick hitch" style with 30-1/2" centers with oscillating quick hitch. Truck portion to be low profile for hood clearance.
8. The cutting edge shall be a 3/4" x 6" carbide blade with 1/2" x 6" cover blade - bolted to plow moldboard with hole pattern conforming to A.A.S.H.O. specifications.
9. Plow to be Equipped with 24" blade markers mounted to top outer edges of plow.
10. Plow to be equipped with deflector to throw snow up and out as well as provide good vision. (I.e. front rubber flap).
11. Plows to be painted highway orange.
12. Plow to be equipped with parking jack. Position jack stand to the outside of the frame.

List all variations to spec, and state plow angles.

Quotation

Company Name and Address

Contact Information

Please list all exceptions and associated cost not included in the vehicle base price on page 6.

Installation Base Price:

Exceptions Costs

Delivery Costs:

Total Purchase Price:

A FIRM delivery date shall be provide at the time of bid submission. If you have never done business with Scott County, please provide your company's W-9 with bid submission.

Delivery Date: _____

Scott County of Iowa is tax exempt (42-6004465). Payment terms are net 30 from the date of delivery.

Accept Terms and Conditions

Yes___ No___

Exception Items List

EXCEPTION	ALTERNATIVE OPTION with Cost

Optional Items List

ITEM	PRICE
Total Option Cost	