

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

REQUEST FOR QUOTATION
Scott County Requisition No. **19514**
Bidders need to complete and submit this form.

Submission Date 6/1/2020	10:00 a.m.
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Qty	Description
1	2021 Dump/Snow removal equipment-single axel cab and chassis
	Specifications attached (pages 1-6)
	Submit responses to www.publicpurchase.com
	Please register at www.publicpurchase.com
	price quotation good for 60 days
	Delivery Included
	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.scottcountyiowa.com

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: 5/26/2020
Time: 12:00 p.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

May 26, 2020

Page 1 of 6

Specification For:

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

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 Hi-Way SA-6C, 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 1/4" end plates. SALTER to be made from 201 stainless with stainless spreader, spill shields mounted on inside of tailgate. Auger motor with integral speed sensor. The under body scrapers will be a Root Model F-44, Henderson UBS, or comparable that meets or exceeds the model named. 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 w/turn signals mounted on hood
- Steps for easy access to cab
- 100 gallon fuel tank mounted behind cab with shutoff. Work with cab and chassis manufacturer to either get a manufacturer's fuel tank equaling 100 gal or design one for behind the cab with fill neck not to exceed 60" from the ground.
- 6 LED Amber flashers in cab shield – 2 forward, 2 rear, 1 each side. All mounted inside a stainless steel protective enclosure.
- Quarter fenders mounted on frame in front rear wheels.
- Rear mud flaps w/removable pins.
- 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 3/4" 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 1 1/4" 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 epc 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.
Tail gate lock and unlock switch to be one of 5 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 12' with cylinder mounted in front of body, no internal doghouse) (Sides shall have 3" board pockets to extend sides to tailgate height). Min tailgate height 38". The box overhang (from the box pivot point to the rear of the box) shall be 12" inches. 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 top center of tailgate for lifting.

Heavy-duty hardware with release hooks down. 1-1/4" diameter pins min. All tailgate hardware to be stainless steel. Hoist is mounted in front of body (no internal doghouse) Assembly 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 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 nitrided 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 endsheets to be 7 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) ½" steel ribs.
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.

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

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

REQUEST FOR QUOTATION
 Scott County Requisition No. **19515**
 Bidders need to complete and submit this form.

Submission Date 6/1/2020	10:00 a.m.
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Qty	Description
1	2021 Tandem Axel Chassis and cab with a Trade-in of a 2014 International 7600
	Specifications attached (pages 1-8)
	Submit responses to www.publicpurchase.com
	Please register at www.publicpurchase.com
	price quotation good for 60 days
	Delivery Included
	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.scottcountyiowa.com

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: 5/26/2020

_____ Title

Time: 12:00 p.m.

_____ Company

PLEASE NOTE:

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

_____ Date

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

May 22, 2020

Page 1 of 8

**One 2021 Model Year 66,000 G. V. W. TANDEM AXLE CHASSIS AND CAB WITH
TRADE OF:**

Year	Make	Model	HRs/Mileage	VIN #
2014	International	7600	6690 hrs 175513 miles	1HTGRSJT6EH025702

Please call 563-328-4175 (Wayne) for an appointment to view trade.

Trade is located at:

Scott County Secondary Roads

950 East Blackhawk Trail

Eldridge, IA 52748

GENERAL REQUIREMENTS:

This unit shall be class 8, Heavy Duty Dump Truck Cab and Chassis with a set forward front axle.

GENERAL REQUIREMENTS AND DIMENSIONS:

1. Minimum gross vehicle weight – 66,000 lbs.
2. Cab to center of tandem bogey 132 inches, 55 inches rear drive axel spacing
3. Front bumper (we save, and put on our own channel iron bumper).
4. Under step after treatment system to allow clearance for underbody plow.



5. Fuel tank necessary for delivery only (steps must be provided if tank is step style, and to be removed).
6. Clearances for Underbody Scraper: The area between the front axle and rear axle shall be clear of all obstructions below the bottom of the frame, and at the mounting position of the scraper brackets. This so as not to interfere with mounting and operation of underbody scraper.
7. Exhaust to be mounted vertical on right rear corner of cab. Exhaust pipe and muffler to be mounted with minimum of 20" ground clearance. (See existing County trucks for clearances of underbody scraper and placement of accessories).
8. General items to include operators manual and parts, service, and electrical manuals with access to online diagnostics.
9. A complete set of replacement filters.
10. It is the intent of the County that the 66,000 GVW truck will be used for mounting a front-mount snow plow, a live hydraulic system, an under-body scraper and a dump body with a salt spreader. These items will be supplied and mounted by others; however, the trucks must be constructed to readily accept the mounting of these items. The 66,000 GVW is to be delivered with accepting the front snow plow frame. All units purchased under this proposal shall be painted highway orange with black frames and undercarriages – silver rims. All units must meet all state and federal safety requirements. Bidders must submit delivery dates and failure to comply with stated delivery dates could result in future bid disqualification.

CAB:

Deluxe, maximum sound dampening cab with extreme climate insulation.

INTERIOR:

1. Standard interior package.
2. Switch and harness pre-wiring for snow plow lights specially designed to turn off truck lights and turn on plow head lights with turn signals and high/low beams.
3. Heater and dual defroster – 30,000 B.T.U. minimum with A/C standard HVAC ducting with snow shield for fresh air intake. Integral Snow-Valve for under hood air selection with in cab control.
4. AM-FM radio, Bluetooth, USB Input, Aux. Input and weather band.
5. High back, air ride driver's seat. High back passenger seat.
6. Interior sun visors (left & right)
7. Factory installed air conditioning.
8. Heavy duty floor mats
9. Power windows and power locks with passenger auto-lock feature disabled.



10. Tilt and telescoping steering wheel.
11. Safety triangles and fire extinguisher.
12. WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time
13. TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights
14. HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on
15. ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, with Ignition "OFF" and any Door Opened

EXTERIOR:

1. Hood – tilt style, stationary grill heavy duty grill guard and rock screen protection with front fender extensions.
2. Three Piece Hood
3. Adjustable hood stops.
4. West coast style rear view mirrors on both sides (7"x16" minimum) power adjusting, with electric heaters, with switch on dash.
5. Windshield wipers, snow type, electric intermittent (left & right)
6. Window washers (left and right).
7. All necessary steps and grab bars for easy access into cab for both sides.
8. Dual air horns.
9. Lights and reflectors mounted in accordance with State and Federal requirements.
10. Air ride cab.
11. Exterior sun visor.
12. Fresh air intake.
13. Color to be Omaha orange
14. Clearance lights on cab to be LED

ENGINE:

Tier 4 certified 475 hp minimum, 1700 lb. ft. torque minimum. Engine to be equipped with:

1. Inside/outside engine air intake integral snow valve with in cab control.
2. Engine block heater 1000 watt, 110 volt plug-in.
3. Front crankshaft PTO adapter to drive hydraulic pump. PTO MUST be under the radiator. A PTO THROUGH the radiator will not be accepted due to damage that can be caused to the radiator and charge air cooler if the drive shaft that drives the hydraulic pump fails.



4. Largest available DEF tank with protective cover.

ELECTRICAL SYSTEM:

1. Heavy duty 12v alternator, minimum output 200 amps with internal regulator.
2. (4) Heavy duty commercial group 31 Batteries, 12 volt with stud posts, 312 amp hour rating, 2500C.C.A.
3. Back-up lights and alarm
4. Electric trailer light option(chassis wiring for rear trailer lights)
5. Power port outlet
6. Auxiliary snow plow light harness with switch in cab
7. Wiring for 2-way radio.
8. CB radio and antenna installed in cab
9. Headlights Will Automatically Turn on if Windshield Wipers are turned on
10. Switch in cab for Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights
11. (6) Switches spare switches mounted in instrument panel, with a (6) channel power module for integration of body and equipment installation.

DRIVE TRAIN:

1. Allison 4000 RDS automatic transmission w/ column mounted stalk shifter.
2. Rear axle ratio to produce maximum speed of approximately 70 MPH.
3. Transmission Control Module mounted inside of the cab out of the weather

BRAKE SYSTEM:

1. AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System, with Automatic Traction Control
2. In-Cab Switch for Traction Control
3. Automatic traction control (Bendix) includes in cab switch.
4. 15.9 C.F.M. or greater air compressor.
5. Bendix System Guard AD-IP Air Dryer (or comparable). Air dryer to be mounted outside of frame
6. All air tanks and air dryer systems not to extend below or above frame rails.
7. Bendix ABS system only.



8. Dust Shields on Front and Rear
9. Trailer Connections 4-Wheel- air run to rear of frame with Tractor Protection Valve

FRONT AXLE - SPRINGS – TIRES:

1. Set forward-Front axle 20,000 Meritor or equal.
2. Heavy duty springs 20,000 minimum w/ Heavy Duty Shock Absorbers
3. Tires: 445/65R22.5 radial floats with spare aluminum rim and tire (Bridgestone).
4. Aluminum wheels 22.5' X 13.0'
5. Dual steering gear.

REAR AXLE – SPRINGS – TIRES:

1. 46,000 lb minimum heavy duty tandem axle, 150,000 train capacity w/operator controlled traction locking differential in both tandem rear axles.
2. 46,000 lb. Walking Beam rear suspension system with maintenance free bushings.
3. Maximum clearance between dual tires and between tire and truck to accommodate use of chains.
4. Tires to be Bridgestone tubeless 315/80R22.5 with hub piloted rims. Rims to be powder coated gray
5. Driver controlled locking differential in both rear axles..

TRUCK FRAME:

1. Heavy duty reinforced deep section. Frame reinforcement to extend from front of spring hanger through rear spring hangers. Yield strength 125,000 psi minimum
2. Front integral frame to extend a minimum of 20 inches from front of radiator-grill and spring hangers. (full frame extension)

WARRANTY:

Full 2-year/100,000 mile engine and drive train warranty (written)

Cab Warranty; 5 Year – Unlimited miles cab structure and corrosion

Frame Warranty; 7 Year – Unlimited miles frame side rails

NOTE: All questions on the above to be directed to the Public Purchase web site so all bidders to see the written responses Bidders are encouraged to inspect trucks currently being operated by the Scott County Secondary Roads Department to determine required clearances for fuel-hyd., oil tank, underbody scraper and front plow mounting frame. It may be necessary for the dealer to



make modifications to the truck unit after delivery to provide the clearances necessary to mount this equipment. Some items may require remounting and other modifications after other equipment has been installed (i.e., exhaust system).



Quotation

Company Name and Address _____

Contact Information _____

MAKE: _____ MODEL: _____ YEAR: _____

Please list all exceptions and associated cost not included in the vehicle base price on page 8.

Vehicles Base Price: _____

Exceptions Costs: _____

Delivery Costs: _____

Less Trade-In _____

Total Purchase Price: _____

The Motor Vehicle Purchase Agreement and Odometer Reading Certificate to be provided at the time of delivery.

Delivery cannot be accepted prior to July 1, 2020.

Estimated 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