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Town of Shaftsbury
Municipal Offices at Cole Hall

PO Box 409
61 Buck Hill Road
Shaftsbury, VT 05262-0409
802 442 4038

INVITATION FOR BID PROPOSALS

2023 Single Axle Truck with Combination Dump body/Sander, Plow, Wing and all necessary Hydraulics and attachments

Sealed bids will be received at: Office of the Town Administrator
PO Box 409
61 Buck Hill Road
Shaftsbury VT 05262

All sealed bids must be received by: **12:00PM Thursday, February 3rd 2022**

Bids will be Opened at **February 7th 2022**, 6:30PM at Cole Hall 61 Buck Hill Road Shaftsbury, VT 05262

Bids will be Awarded on **February 21st 2022**, 6:30PM at Cole Hall 61 Buck Hill Road Shaftsbury, VT 05262

Envelopes should be sealed and clearly marked: To the attention of Town Administrator
2023 Single Axle Truck with Combination Dump body/Sander, Plow, Wing and all necessary Hydraulics and attachments

The Town of Shaftsbury reserves the right to reject any and all bids/proposals received, to negotiate with any qualified source, or to cancel in part or in its entirety this bid/proposal as in the best interest of the Town of Shaftsbury. This solicitation in no way obligates the Town of Shaftsbury to award a contract.

BID SPECIFICATIONS

Bid Item: 2023 Single Axle Truck with Combination Dump body/Sander, Plow, Wing and all necessary Hydraulics and attachments

Scope: The specifications described herein are the minimum acceptable requirements. Bidders must give a complete description of any part of the specifications that are not met by the package bid. Truck will be factory built with all standard equipment and accessories as specified below.

Additional equipment, option packages, special pricing groups and rebates may be considered to improve pricing or insure availability of minimum specification requirements.

This specification is intended to describe a heavy-duty dump truck equipped to plow snow and treat roadways. The truck will be a regular production model for which published specifications shall be limited to the manufactures published and optional standards.

Bidders shall list and explain in writing any and all deviations from these specifications. Bidders shall provide sufficient detail and proof needed to assist the town in fully evaluating compliance with detailed specifications. Failure to do so may result in rejection of the bid in its entirety

General Specification:

This truck shall be a new manufacturer's current production model and shall conform to all DOT and EPA regulations in effect at the time of delivery. The unit shall be equipped with all standard equipment and components necessary for operation and normally supplied, even if not identified in specifications. The equipment shall have full manufacturer's preparation and be ready for service when delivered. Truck with combination dump body/plow and all necessary hydraulics and attachments must be delivered between July and October 2023.

Detailed Specifications on (1) 2023 Single Axle Truck with Combination Dump body/Sander, Plow, Wing and all necessary Hydraulics and attachments

G.V.W. Minimum of 41,500 lb.

Wheelbase: 175"

Cab to Axle: 100"

Frame: Minimum of 120,000 PSI Heat treated alloy steel. Minimum dimensions of 10.866" x 3.622" x .433". Minimum RBM of 2,650,000 in/lbs. Minimum Section of 22.00 inches. (2) front frame mounted tow hooks. Swept back steel front bumper. Minimum 20" Integral front frame extension.

Front Axle: Minimum 18,000lb. capacity Wide Track front axle.

Front Suspension: 18,000 lb. capacity, Multi-leaf, Shackle Type. Front Shock absorbers. Right side front air bag, cab controlled to accommodate weight of plow and wing.

Brakes: Dual air brake system. Minimum 16.5" x 6" front cam brakes w/ 24 Sq.in Long stroke Brake chambers. Minimum 16.5" x 7" rear cam brakes with 30/30 Rear brake chambers. Drain Valve with pull chain for air tank. ABS brake system. Bendix AD-IP heated air dryer. Automatic slack adjusters front and rear. Minimum 18 CFM air compressor. Aluminum air tanks mounted under frame in front of suspension parallel to rail. Dust shields front and rear. Trailer Connections with hand control valve and tractor protection valve.

Steering: Dual power steering. Tilting and telescoping steering wheel. 18" diameter steering wheel. Self-Cancelling turn signal.

Exhaust: Single Horizontal After-treatment Device, frame mounted right side under cab, with vertical tailpipe. 3 stage engine compression brake. Bright finish turn back tailpipe. Aluminum muffler/tailpipe guard. 10' Exhaust height.

Electrical: Minimum 160 Amp alternator. Dual electric horns. Remote mounted jump start stud. Body builders wiring to rear of frame. Minimum of (3) 1980 CCA total. AM/FM/WB/clock/Bluetooth with dual 6.5" speakers. 3' Auxiliary harness for plow lights. 6 switches in instrument panel for body company. One power module with 6 channels, 20 - amp max per channel, 80 - amp max output, switches control power module thru multiplex wiring, mounted in cab behind driver seat. Intermittent wipers. Test Exterior light pre-inspection feature. Headlights on with wipers. Circuit breakers. Steel battery Box with plastic cover mounted right side back of cab. 3' Extra length battery cables strapped near battery box. Cab mounted battery disconnect switch. Air Horn. All lights must be LED. 2 way radio wiring accommodation package. 7-way Trailer Connection Socket mounted at rear of frame.

Front end section: Tilting fiberglass hood and fenders with 3 piece construction. Bug screen mounted behind grille. Chrome stationary grille. Insulation under hood and splash panels for sound abatement. Hood Hatch for servicing. Rubber fender extensions.

Engine: 6 cylinder diesel engine. Minimum 370HP@2000 RPM, Minimum 1250 lb./ft. torque@1400 RPM, 2100 RPM governed speed. Cummins L9 or equal.

Engine Equipment: Engine Block heater. Two speed direct drive fan drive with residual torque device for disengaged fan speed. Cross flow aluminum radiator, Minimum 1200 Sq. In radiator core and 1150 Sq.in charge air cooler. Front engine PTO effects includes adapter plate on engine front mounted.

Transmission: Allison 3000 RDS close ratio 6 speed automatic transmission with PTO provision. Oil cooler water to oil type. Shift parameters to 3 speed S1 secondary Shift schedule. Column mounted stalk shifter shift control or equal. Transmission dipstick relocated to right side of transmission. Synthetic oil. Transmission TCM located inside Cab. PTO location located left side of transmission. Transmission Oil Temperature Gauge.

Rear Axle: Minimum 26,000Lb. capacity single reduction with driver controlled locking differential. (6.14) Synthetic Rear Axle Lube.

Rear Suspension: Chalmers 1030 Series, 30,000 Lb. Capacity, Rubber Springs, Torque Rods and Shock Absorbers Mounted Forward.

Fuel Tank: Minimum 70 Gallon Aluminum Fuel tank left side mounted with aluminum steps. Bright finish stainless steel fuel tank straps. Heated fuel/water separator. Minimum 7- gallon DEF tank.

Cab: air suspension driver seat with integral headrest, high back. Matching fixed passenger seat. Air conditioning. Air cleaner gauge. Transmission oil temperature gauge. Premium Gauge cluster. Chrome Exterior towel bar type grab handle with Anti-slip rubber inserts left side mounted. Heated power mirrors with LED clearance lights. convex look down mirror right side. Dual heated convex fender mirrors. Diamond/ premium interior cab trim or equal. Heated Windshield. Arm rest for driver seat. Power windows/power locks. Air bag cab suspension. Wrap around dash. Cup holders. Snow -type wiper blades. Windshield washer reservoir mounted under cab with remote fill. outside sun-visor.

Wheels: 22.5 x 9.00 Rims polished aluminum 10 stud, hub piloted, flanged nut with steel hubs. Front and Rear. Add matching 6 extra steel wheels for spares.

Tires: (2) 12R22.5 H ply steer tires. (4) 12R22.5 H ply Traction Drive tires.

Color: Red

Misc: Fire Extinguisher and triangle kit.

Extended Warranty: 5 year/100,000 Mile Extended Vehicle coverage, Allison Transmission 5 year/Unlimited Miles extended coverage, Cummins 5 year/100,000 Mile Engine aftertreatment extended coverage,

Dump body/Sander, Plow, Wing and all necessary Hydraulics and attachments

<u>Hitch and Wing System</u>	<u>Yes</u>	<u>No</u>	<u>Deviations</u>
Hitch to be of "power hook" design.	___	___	_____
The hitch shall tilt forward hydraulically to raise and lower plow and provide engine access.	___	___	_____
Hydraulically activated pins shall release and couple the plow portion of the hitch to the truck portion of the hitch to facilitate quick removal of the plow.	___	___	_____
The hooks shall be fabricated from 1" x 5" steel and reinforced with angle iron supports.	___	___	_____
The hooks shall ride on 3" diameter, greaseable rollers.	___	___	_____
Two horizontal tubes shall extend outward to the passenger side of the chassis to serve as support for the front wing post.	___	___	_____
The front wing post shall be bolted to the hitch.	___	___	_____
The front wing post shall raise the nose of the wing a minimum of 36" by use of a direct hydraulic lift.	___	___	_____
The rear post shall be a patrol type.	___	___	_____
The rear post shall be properly braced and attached to a plate fastened to the chassis frame rail.	___	___	_____
An integral steel support shall tie both chassis frame rails together with the rear post.	___	___	_____
The rear wing post shall have a three point attachment for push arms and lift cylinder attachment.	___	___	_____
The rear attachment shall accept a roll away tripod for quick removal, attachment, and storage.	___	___	_____
Push arms are adjustable in length to provide variable clearing paths.	___	___	_____
Both push arms shall be constructed from a 2 3/8" diameter hot rolled steel rod inner shaft and a 3 1/2" OD x 2 1/2" ID outer tube.	___	___	_____
The bottom arm shall incorporate a compression spring to aid in protecting the wing components.	___	___	_____
A double acting lift cylinder shall be mounted between the arms to provide rear of wing lift.	___	___	_____
For safety purposes, the lift cylinder shall incorporate a load holding block to prevent the wing from dropping if a hydraulic hose bursts.	___	___	_____
Flow control valves shall allow variable wing speeds to be set.	___	___	_____
A trip block shall be mounted between the nose of the wing and the front post to allow the wing to trip over road obstacles. The trip block shall utilize a coil spring to facilitate the tripping action and shall be able to be pinned solid for use in shelving operations.	___	___	_____
All hitch and wing mount gear shall be sandblasted, epoxy primed, and painted black.	___	___	_____

Wing	Yes	No	Deviations
Cutting edge length : 10'	___	___	_____
Overall Length : 11'	___	___	_____
Moldboard constructed from a minimum of eight gauge high strength carbon steel and reinforced with full length ribs.	___	___	_____
The wing shall be punched 12" on center.	___	___	_____
Wing shall come complete with HD Sabre carbide blades with integral AR450 cover blade and two moldboard shoes.	___	___	_____
The wing shall be sandblasted, epoxy primed, and painted orange.	___	___	_____

Plow	Yes	No	Deviations
Shall be a full trip one way reversing plow.	___	___	_____
Two compression spring arms shall allow the moldboard to trip when encountering road obstacles.	___	___	_____
Cutting edge length : 11'	___	___	_____
Moldboard height : 28" Nose – 52" Discharge	___	___	_____
Moldboard constructed from an 8 gauge steel sheet and reinforced with full length ribs.	___	___	_____
Plow shall be punched 12" on center.	___	___	_____
The plow shall come complete HD Sabre carbide blades with integral AR450 cover blade and two slot adjustable mushroom style frame shoes.	___	___	_____
Plow drive frame shall be of box tube construction and shall have two cushion valve protected cylinders for reversing the moldboard.	___	___	_____
Plow shall pin to hitch on standard 30 ½" centers.	___	___	_____
The lifting device shall be a two chain with shock spring design.	___	___	_____
The moldboard shall be sandblasted, primed with an epoxy primer, and painted orange.	___	___	_____
Moldboard reinforcing structure and drive frame steel shall be sandblasted, primed with an epoxy primer, and painted black.	___	___	_____

<u>Hydraulics</u>	<u>Yes</u>	<u>No</u>	<u>Deviations</u>
A front mounted large volume pump with shut down shall power all hydraulic functions.	___	___	_____
An eight section load sharing and proportional Implement valve shall be behind cab mounted on the patrol armature.	___	___	_____
Implement and spreader lines shall be plumbed with stainless pipe, and short hose whips.	___	___	_____
Implement controls shall be run with arm rest mounted electronic actuated controls.	___	___	_____
Spreader functions shall be run with a ground speed oriented electronic spreader control and valve	___	___	_____
A minimum 40 gallon oil resevoir with return line filtration and ball valve shut off shall be behind cab mounted.	___	___	_____

<u>Combination Spreader/Dump Body</u>	<u>Yes</u>	<u>No</u>	<u>Deviations</u>
Heavy duty body serving as a spreader or dump body transformed by a hydraulic tilting floor.	___	___	_____
Inside length : 10'	___	___	_____
Capacity : Approx. 6 cubic yards (struck)	___	___	_____
Hoist cylinder; Double acting telescopic	___	___	_____
Cab shield : 24" overhang	___	___	_____
Headboard and sides constructed from 304 stainless steel with a minimum 70,000 psi tensile strength.	___	___	_____
The tailgate will be double acting, six panel, and constructed from 304 stainless steel with a minimum 70,000 psi tensile strength.	___	___	_____
Tailgate shall be air operated and shall latch and unlatch with a double acting air cylinder.	___	___	_____
The floor shall be constructed of ¼" AR450 steel with a minimum 205,000 psi tensile strength.	___	___	_____
The understructure of the body shall consist of two 10" longitudinal and I-beam cross members.	___	___	_____
The complete body shall have a central lube kit.	___	___	_____
The side tilt floor shall be raised to reload the conveyor by use of two double acting cylinders.	___	___	_____
A flow divider shall ensure the cylinders lift evenly.	___	___	_____
Hydraulic reliefs shall be incorporated into the up and down circuits for the side dump.	___	___	_____
The conveyor is an integral part of the body floor and runs longitudinally down the driver's side of the body, discharging in front of the rear wheels.	___	___	_____
There shall be a ¼" AR450 two section chain cover.	___	___	_____
The chain shall contain bar flights every other link for greater strength and more even material flow.	___	___	_____
All chain links are protected by an integral chain guard leaving only the bar flights exposed.	___	___	_____
The chain shall be driven by a 25:1 ratio gearbox.	___	___	_____
The spinner shaft has a top mounted bi-rotational hydraulic motor to spin an 18" poly disc.	___	___	_____
The spinner assembly is chassis mounted and is both laterally and vertically adjustable and removable.	___	___	_____

A poly chute feeds the spreading disc. The chute is both adjustable and removable.

Front and rear mud flaps shall be installed. Anti-sails shall be included on the front set.

All carbon steel shall be shot blasted, zinc primed, epoxy primed, and high temperature baked.

The body bottom shall be painted black with Dupont Imron paint and high temperature baked.

Required Options

The body shall have a three point ladder, inner body step, and over gearbox step.

A shovel holder shall be installed.

A hydraulic actuated cylinder shall be utilized to make feed gate door adjustments.

The spinner disc shall be hydraulically reversible from an in cab switch.

An electric actuated load cover with mesh tarp shall be installed in an integral cab shield pocket that will act as a wind deflector.

A pintle plate shall be installed with D-rings and electrical plug.

A color camera system with dual feeds shall be installed.

Lighting

Strobe system shall include LED heated cab shield mounted strobes, two LED side facing corner post mounted strobes, and two LED heated rear facing corner post mounted strobes.

Running lights shall consist of LED heated stop/tail/turns, LED heated back up lights and LED marker lights.

Five LED heated spot lights shall be supplied and installed. Wing, spinner, feed gate, and two rear mounted.

LED heated plow lights shall be installed on stainless steel mirror mounted brackets located on the chassis fenders.

TRADE – IN

The following vehicle is being traded in towards the purchase of the above vehicle:

2012 International Work star 7400 4x2 Dump Truck w/ Auto Transmission, 11ft reversible plow, and 10ft MnG all season combination body (plow and body installed by HP Fairfield)

Miles 55,600, Hours 4370 Truck is currently in use.

VIN # 1HTWDAZR6CJ620021

General Information:

1. Proposals shall be submitted on the “Bid Proposal Form” provided.
2. All warranties, conditions and a descriptive brochure describing the equipment shall be enclosed in the bid proposal.
3. The Town is exempt from payment of Vermont State Taxes and Federal Taxes. All bidders should quote a net price exclusive of these taxes. Exemption certificate will be provided to selected bidder.
4. No bidder may withdraw a bid for a period of thirty (30) days after the due date of the bid.
5. Shaftsbury Purchasing Policy Vendor Selection
 - a. Whenever possible and appropriate, vendors will be selected on a competitive basis.
 - b. Bids, quotations, and proposals will be solicited by newspaper advertising, direct mail request to prospective suppliers, or by telephone.
 - c. Purchase orders or contracts for purchases shall be awarded to the lowest, best-qualified and most responsible Vendor following a majority vote of the Select Board.
 - d. Any and all bids, quotes or proposals may be rejected if such reaction is deemed to be in the best interest of the Town of Shaftsbury.
 - e. In determining “lowest, best qualified and most responsible vendor”, in addition to price, the following will be considered:
 - a) The ability, capacity and skill of the vendor to perform the contract or provide the material or service required.
 - b) The ability of the vendor to perform the contract or provide material or service promptly or within the time specified, without delay or interference.
 - c) The character, integrity, reputation, judgment, experience, and efficiency of the vendor.
 - d) The previous and existing compliance by the vendor with laws and ordinances related to the contract, order or service.
 - e) The sufficiency of the financial resources and ability of the vendor to perform the contract, fill the order, or provide the service.
 - f) The quality, availability and adaptability of the supplier, or contractual services to the particular use required.
 - g) The ability of the vendor to provide future maintenance and service for the contract.
 - h) The number and scope of conditions attached to the bid, quotation or proposal.
 - f. The Select Board may choose to accept a vendor from the local area (Arlington, Bennington, North Bennington, and Shaftsbury), or a vendor with a favorable history with the Town of Shaftsbury, that is higher than the lowest bid.
6. Prospective bidders may submit questions to DPW Foreman Mike Yannotti dpw@shaftsburyvt.gov or Town Administrator David Kiernan administrator@shaftsburyvt.gov with questions.

BID PROPOSAL FORM

Bids must be received prior to 12:00PM Thursday February 3rd 2022

The undersigned proposes and agrees as follows:

To provide one (1) 2023 Single Axle Truck with Combination Dump body/Sander, Plow, Wing and all necessary Hydraulics and attachments:

As specified in packet \$ _____

Extended warranty; Engine and Transmission 5 years \$ _____

To take in trade the vehicle as listed in the packet \$ _____

TOTAL OF BID PACKAGE \$ _____

Delivery date from date of Town Placing order _____

Name of Company: _____

Address: _____

Signature: _____

Name and Title: _____

Date: _____

BIDS received after 12:00PM Thursday February 3rd 2022 will not be considered.

ALL BID PROPOSALS MUST BE SIGNED TO BE CONSIDERED