

City of Scottsbluff, Nebraska

Monday, November 21, 2022

Regular Meeting

Item Consent3

Council to approve the bid specifications for One, New Truck, Cab/Chassis with Dump Body, Sanding Unit and Snow Plow for the Transportation Department and authorize the city clerk to advertise for bids to be received by Monday, December 12, 2022 at 11:00 a.m.

Staff Contact: Mark Bohl, Public Works Director

Agenda Statement

Item No.

For Meeting of: November 21, 2022

AGENDA TITLE: Consideration and approval of specifications for the purchase of One, New Truck, Cab/Chassis With Dump Body, Sanding Unit and Snow Plow and authorize City Clerk to advertise for bids.

SUBMITTED BY: Mark Bohl, Director of Public Works

PRESENTATION BY: Kevin Spencer, City Manager

SUMMARY EXPLANATION: Need council approval of specifications and authorize City Clerk to advertise for bids to be received until 11:00 A.M., Monday, December 12, 2022.

BOARD/COMMISSION RECOMMENDATION:

STAFF RECOMMENDATION: Approve specifications and authorize City Clerk to advertise for bids to be received until 11:00 A.M., Monday, December 12, 2022.

EXHIBITS

Resolution Ordinance Contract Minutes Plan/Map

Other (specify) **Specifications**

Notification List: Yes No Further Instructions

APPROVAL FOR SUBMITTAL: _____
City Manager



**CITY OF SCOTTSBLUFF
BID SPECIFICATIONS**

FOR THE PURCHASE OF

**ONE (1) NEW TRUCK, CAB/CHASSIS WITH DUMP BODY
SANDING UNIT AND SNOW PLOW**

For the Transportation Department
DIVISION OF PUBLIC WORKS

DATED: November 21, 2022

Contact:
Brett Bewley, Transportation Supervisor 308-630-6297

NOTICE TO BIDDERS

Sealed Bids will be received by the City of Scottsbluff, Nebraska at the office of the City Clerk until 11:00 A.M., Monday, December 12, 2022, for furnishing One (1) New Truck, Cab/Chassis with Dump Body, Sanding Unit and Snow Plow. Specifications and Instructions to Bidders are available at the office of the City Clerk. The Council reserves the right to reject any and all bids and to waive irregularities.

Kimberley Wright
City Clerk

Publish - 3 times:

Friday, November 25, 2022

Friday, December 2, 2022

Friday, December 9, 2022

INSTRUCTIONS TO BIDDERS

1. All Proposals shall be submitted on Bid Forms provided for this purpose in order that they may be properly compared and evaluated.
2. The Bid shall be for one (1) New Truck, Cab/Chassis with Dump Body, Sanding Unit and Snow Plow.
3. The successful bidder may take a trade-in of one, (1) 1999 International Dump Truck; Model: T444E, Serial#: IHTSCABR3XH678287 with Sanding Unit, 2010 Highway Stainless Steel Salt Spreader and blade.
4. The Bid shall be quoted F.O.B. Scottsbluff, Nebraska.
5. Bids shall state the Make and Model of proposed unit(s) and include complete detailed specifications with manufacturer's brochure, specifying the identical model(s) being bid.
6. The Transportation Department is **exempt** from Federal Excise or State Sales Taxes. The City of Scottsbluff will furnish a tax exemption certificate.
7. The Bids shall be submitted to the City Clerk's office by 11:00 AM., Monday, December 12, 2022, in a sealed envelope, and the envelope clearly marked "Bid on Dump Truck".
8. The Council reserves the right to reject any and all bids and to waive any irregularities for any reason deemed necessary.
9. The City reserves the right to accept or reject the trade in price for the used dump truck/snow plow/sander.
10. Award of purchase by the City will not become final until authorizing this purchase.
11. City will pay for equipment meeting all specifications upon proper documentation of same, no sooner than the first Council meeting following delivery of same.
12. Delivery time from date order placed to vendor shall be ninety (90) days or less.
13. Price that is stated on Bid Proposal Sheets shall be good for 30 calendar days following bid opening.
14. Actual equipment being bid must be available for inspection by City personnel after the bids are opened and before the next council meeting when the purchase will be approved.
15. Any items of noncompliance or variations to the minimum specification requirements listed on the following pages shall be written and submitted with the Bid Proposal.
16. Each bidder must have a current Nebraska motor vehicle dealers license, per Chapter 60, Article 14, of the Nebraska statutes.

**SPECIFICATION
TRUCK, CAB, DUMP BODY,
SANDING UNIT AND SNOW
PLOW**

GENERAL

The truck, cab and dump body must be capable of carrying at least a 5-6 CY payload. It shall be new, with single axle and shall be modified by the bidder to be compatible with the dump body.

Details/Specified
Unit Proposed
By Bidder

TRUCK, CAB MINIMUM SPECIFICATIONS

MAKE: _____

MODEL: _____

1. OPERATING WEIGHT

G.V.W. minimum of 37,000 pounds _____

Axle ratings

Front axle minimum 14,000 pounds _____

Rear axle 23,000 pounds (single axle) _____

2. SUSPENSIONS:

Fore/Aft/Transverse/Control Rods _____

Heavy duty front shock absorbers _____

Heavy duty rear shock absorbers _____

Spring rating 14,600 pounds front _____

Spring rating 23,000 pounds rear _____

Oil lubricated front wheel and rear wheel hubs _____

Axle Related Items:

6.14 Axle ratio _____
Greaseable drag link and tie rods _____
Hubs front and rear ferrous, magnetic trap drain _____
plug rear axle. Magnetic fill plug rear axle.

3. **BRAKES:**

WABCO ABS with diagnostics without traction _____
enhancement
Air brakes front and rear _____
Air brakes front CAM 16.5" x 6" _____
Air brakes rear CAM 16.5" x 7" _____
Air compressor, minimum of 13.2 CFM _____
Bendix, AD-9, air dryer with heater mounted _____
under cab
All brake linings non-asbestos _____
Equipped with air parking brake _____
Manual drain cocks on air tanks _____

4. **TRANSMISSION:**

Allison RDS 3500 6 speed automatic transmission _____
Transmission oil cooler _____
Equipped with transmission filter _____

POWER TRAIN

5. **ENGINE:**

Six cylinder turbo charged diesel _____
engine/electronic w/ 2021 EPA _____
Minimum 300 gross horsepower _____
Minimum torque 860 foot ponds _____

ENGINE EQUIPMENT:

2021 EPA/Carb emission certification _____
Side of hood air intake with firewall mounted _____
Donaldson air cleaner, passive precleaner and inside/ _____
outside air with snow door _____

DR 12V 160 AMP 28-SI quadramount pad alternator with
remote battery volt sense _____
DELCO 12V 37 MT starter _____

6. **STEERING:**

Power steering will be furnished _____

7. **TIRE/WHEELS:**

Front tires 11R22.5 16 ply radial _____
Rear tires 11R 22.5 14 ply radial _____
Wheels - 22.5 x 8.25 10 hole steel disc _____

8. **FUEL TANK:**

50 gallon/189 liter aluminum fuel tank _____

9. **FRAME:**

110,000 PSI yield strength steel frame, _____
reinforced for 2.5 million RBM _____
Two front mounted tow hooks _____
bolted to frame. _____
24" Front Frame Extensions _____

10. **ELECTRICAL SYSTEM:**

Two batteries minimum of 1500 cold cranking _____
amps _____
160 amp alternator _____

11. **CAB EQUIPMENT**

Standard conventional with tilting hood and fenders _____
Two chrome dual west coast heated _____
mirrors 7" x 16" side _____
mounted with 6-inch round spotting mirrors _____
Driver Seat - High back air suspension _____
Passenger Seat - High back air suspension _____
Seat belts retractable to lap and shoulder. seats _____

- Heavy duty vinyl covered seats _____
- Rubber floor mats/additional floor mats _____
- Sun visors _____
- Assistive handle for easy access to cab _____
- Windshield wipers intermittent speed equipped _____
- with windshield washers _____
- Interior dome lamp _____
- Single air horn, single electric horn _____
- Keyed lockable doors _____
- Cab constructed of steel _____
- Cab framing reinforced floor _____
- Cab mounts two point hinges _____
- Bumper full width - fender to fender _____
- Single rectangular sealed beam headlights equipped _____
- with turn signal lights front and back and switches, _____
- warning lights with buzzers _____
- Integral stop/tail/backup lights _____
- Tinted glass w/ operating wing windows _____
- Steering wheel size approximate 19" tilt _____
- steering _____
- Cigarette lighter _____
- Mud flaps, front and rear duals _____

12. **INSTRUMENT PANEL AND GAUGES:**

- Circuit protectors, fuses _____
- Electronic engine hour meter _____
- Electronic tachometer _____
- Dual air pressure gauge with buzzer _____
- Engine coolant temperature _____
- Transmission temperature gauge _____
- Engine oil pressure _____
- Fuel gauge _____
- Speedometer _____
- Voltmeter _____
- Instrument panel, adjustable lighting _____
- Equipped with clearance lights and _____
- identification _____

13. **OPERATOR ENVIRONMENT:**

- Heavy duty heater and defroster/Air conditioning _____
- AM/FM Stereo Radio _____

Equipped with connection for 2-way radio

14. **PAINTING:**

Should receive at least one coat of primer and
finish coat of white in color

Cab paint color #N0006

Frame standard black chassis paint

Front and rear wheels paint - vendor white

15. **MISCELLANEOUS:**

Back up alarm on body

One complete set of parts, service and operator's
manual

16. **WARRANTY:**

List manufacturer's standard warranty

Bidder shall attach copy of warranty

Two year basic vehicle warranty

Two year unlimited warranty on engine

Two year unlimited warranty on drive train
components, transmission, drive axles (differential
assemblies, axle shaft and axle housings), steering axles
(beam, spindles, kingpins, bearings), and steering arms

Two year unlimited cab structure and sheet metal
(conventional hoods)

Five year unlimited warranty cab corrosion

Five year unlimited warranty frame rails and cross
members

List optional warranties and cost

Repairs must be made in the first two years with
unlimited warranty and completed in no more than
seven (7) calendar days.

Details/Specified
Unit Proposed
By Bidder

DUMP BODY MINIMUM SPECIFICATIONS

MAKE: _____

MODEL: _____

10' 5-6 YARD MONROE GLADIATOR DUMP BODY

- Sides: 26", 7GA _____
- Front: 36", 7GA _____
- Rear: 36", 7GA _____
- Floor: 1/4" AR400 9" Radius _____
- Western understructure _____
- 3/8" X 1 1/2" Flat walk rail both sides _____
- Poly access ladder and grab handle right side of body _____
- Reflective tape across the back of cab and sides of body _____
- Self adjustable 87-107 DB backup alarm _____
- Recessed LED S/T/T and backup lights with sealed wire harness _____
- Rubber rear flaps _____
- Cab controlled air latch tailgate with lubricated bushings _____
- Color NAPA 55A6079 Yellow Paint (dump body paint) _____
- CR234 reducer & CH253 activator hardener _____

RC750 SUBFRAME HOIST

- 17.2 Ton capacity _____
- 2000 P.S.I. _____
- Fully greasable hinge and rollers _____
- Double acting _____

MONROE FREE STANDING CAB SHIELD

- W/Oil Tank _____
- Amber strobe lights front and side facing _____

LIGHTS

- Rear strobes in rear comer post with stop tail tum lights _____
- Amber strobes in cab shield front and rear facing _____
- Plow lights mounted on SS bracket on hood comers _____

MP41R12-ISCT; FULL MOLDBOARD TRIP REVERSIBLE PLOW

- 10 Gauge roll formed straight moldboard _____
- (6) 1/2" X 4" Tapered, one-piece flame cut ribs _____
- 2" X 3" X 3/8" Top moldboard angle _____
- 4" X 4" X 3/4" Bottom moldboard angle _____
- Horizontal moldboard brace angles _____
- 5/8" X 8" One-piece top punch cutting edge _____
- Dual compression trip spring assemblies _____
- 4" X 4" X 3/8" Cross-tube support _____
- 3-1/2" X 3-1/2" X 1/2" Semi-circle _____
- (2) 3" X 10" Double acting power reverse cylinders _____
with cushion valve _____
- Built-in Monroe level lift assembly _____
- Moldboard and pushframe 100% continuously welded _____
- Moldboard powder coated orange _____
- Push frame powder coated black _____
- Quick hitch attachment _____
- Monroe fold flat truck portion hitch _____
- Screw adjustable park jack; S/I installed; 30# _____
- 12' Rubber snow deflector, 12", S/I installed _____
- Mailbox trim for plow (curbside only) _____
- Curb Guards _____

HYDRAULIC PUMP

The hydraulic pump shall be an axial piston pressure and flow compensated load-sensing type. The pump shall have a displacement of 5.61 cubic inches per revolution at maximum stroke which will deliver 23.7 GPM@ 1000 engine RPM. The pump shall have a minimum 2" inch suction line and 1/2" control drain line plumbed directly back to the reservoir. The pumps compensator shall have rear facing adjustments. The pump shall be rated for 5800 PSI maximum and 4800 PSI continuous. The pump shall have a Din type-mounting flange and a Din 5462 8-

tooth shaft. The pump shall be Force America TXV92 or prior approved equal.

POWER TAKE OFF

The power take off (PTO) shall be mounted to an Allison automatic 3000RDS or 4000RDS transmission. The PTO shall be a hotshift type. The PTO shall be designed to clear the integrated cooler on the Allison transmission. It shall mount like a standard side mounted PTO with an additional bracket at the rear of the transmission. The output of the PTO shall be extended past the back of the transmission where there is extra space. The main extension shaft and PTO shall be one piece to eliminate the need for input splines between the PTO and extension shaft. The clutch pack shall be located at the back of the transmission in the extension shaft. The input between the extension shaft and the pump shall be a wet spline. The PTO shall be a Parker Chelsea 890 series or approved equal.

HYDRAULIC CONTROL VALVE

The hydraulic valve shall be of modular manifold design. Each hydraulic function requires an individual manifold stacked together to form the manifold base. The manifold base shall consist of an inlet section with SAE #16 inlet porting, SAE #20 outlet porting, and SAE #4 load sense porting. There shall be a main system relief in the inlet section to protect the system from high pressure in case the pump compensators fail. The dump body manifold shall be stacked next to the inlet section, and capable of 40 GPM with SAE #12 porting. The hydraulic control valves shall be pulse-width modulated, proportionally controlled. Each hydraulic valve segment shall be individually mounted to the manifold base assembly and be serviceable without removing any hydraulic hoses or any other hydraulic valve segments. Each hydraulic valve segment shall have individual pressure compensation to achieve independent simultaneous operations. All segments shall have heavy-duty continuous duty coils and connections shall be with Din connectors. All coils shall operate at 12 VDC and require a maximum of 1400 mille-amps. Each segment shall be equipped with a manual override except for the auger and spinner sections. The dump body segment shall be rated to 40 GPM, with all other segments rated to 20 GPM. If a double acting hoist is utilized, the dump body segment shall be equipped with a down side relief to protect the body down function. This relief shall be set to the hoist manufacturer's specifications. Valve segments shall be Force America Add-A-Fold® model or prior approved equal.

The valve is to be arranged as follows

- Hoist 4-way with 500 PSI down side work port relief valve
- Plow lift 4-way
- Plow angle 4-way
- Auger 2-way
- Spinner 2-way

HYDRAULIC VALVE ENCLOSURE

The valve assembly shall be mounted in weather-tight enclosure. The valve enclosure shall be fabricated of 10 and 12 gauge steel. Enclosure shall be designed to not allow humidity to be trapped inside. The valve is to be mounted with all ports coming out the bottom and holes allowing for hose adapter fitting. Enclosure will allow for bulkhead style cable to enter the front. Valve will be "Boxed In" with the cover and not the base. The cover shall be held to the enclosure by four heavy rubber latches. All plumbing shall be external, directly out the bottom of the valve enclosure.

HYDRAULIC LINES AND PLUMBING

All hydraulic lines and plumbing shall be of sufficient capacity so as not to create heat or turbulence within hydraulic system. Suction line between reservoir and pump shall be a minimum of 2 in. I.D. with a minimum SAE 100-R4 rating and shall be secured on both ends via heavy duty banding straps, radiator hose clamps unacceptable. All pressure hoses, including signal sense to pump shall have swivel fittings on both ends and have a minimum SAE 100-R2 rating. Return lines and case drain shall have minimum SAE 100-R1 rating.

Hydraulic lines shall be routed to minimize interference with equipment and chassis components requiring periodic servicing. Support brackets, grommets, and tie wraps shall be provided where appropriate to protect lines from damage by abrasion, cutting or impact.

Hoses shall not be routed near exhaust manifolds pipes, bolts, sharp edges, and exhaust system to prevent wear, fatigue, or fire. Pipe fittings are not acceptable in any high-pressure line. Maximum distance between support clamps on all hydraulic lines shall be 24in. Lines routed to the rear of the truck to compliment a Highway E2020 XT sanding unit.

CONTROL CENTER GENERAL

Controls for all valve functions, electronic spreader control, and auxiliary lighting will be integrated into a single, self-contained control center. The control center shall be a padded armrest style that is ergonomically designed. Control center shall be modular in design for ease of installation and service, and wiring and connectors shall be color coded throughout. A sealed, pre-wired harness for all valve controls must be provided. All components must be durable for long life and trouble free operation.

The controller shall have a single joystick handle with integrated miniature joysticks. The hoist control shall be fully proportional and operated with a mechanical lift-to-operate interlock for safety. The single joystick handle shall accommodate up to 4 miniature dual axis thumb operated joysticks for controlling up to (8) hydraulic valve functions simultaneously. A two-step select- and-operate system is unacceptable. There will also be 2 momentary switches or 1 momentary rocker switch for remote spreader blast and standby. Controls for spreader must be located on armrest at the operator's fingertips. The control center must also include switch controls for up to 8, 15 amp auxiliary functions. Spreader display unit shall be a modular "heads up" display,

mounted to truck dash in easy view of the operator. The heads up display will also provide four warning light options illuminated in red for low oil, body up, oil temp, and filter bypass. The control center shall be a Force America 5100 EX or prior approved equal.

SPREADER CONTROL CONSOLE

The electronic spreader control shall be designed for precise Open Loop control of granular material. The spreader control shall regulate the auger and spinner speeds. There shall be two individual detented knobs providing proportional control from closed to fully open on the control valve of the auger and spinner. Front face panel shall have "standby" indicator light activated by pushing the auger dial, blast mode adjustable for momentary or timed up to 16 seconds with cancellation and flashing indicator light. Other features shall include remote standby and blast inputs, reverse polarity protected, adjustable back lighting via vehicle controls. The unit must provide operational modes for manual or open loop (ground speed only). Spreader control shall be Force America model Datrol Commander Ultra 5100 EX or prior approved equal.

SALT SPREADER

E2020XT Highway Stainless Steel
10' Length
82" Body Width
Overall Length 142.75"
Struck Capacity 5.2 Yards
Belt Over Chain Conveyor

**PROPOSAL FOR FURNISHING
ONE (1), NEW TRUCK, CAB/CHASSIS WITH DUMP BODY
SANDING UNIT AND SNOW PLOW
TRANSPORTATION DEPARTMENT**

Mayor and City Council
Scottsbluff, Nebraska

Gentlemen:

I (we) have examined the Notice to Bidders, dated November 21, 2022, Instructions to Bidders, and the Specifications, and submit the following proposal to furnish one (1), new Truck Cab/Chassis, with Dump Body, Sanding Unit and Snow Plow for the Transportation Department.

One _____
Year Make Model#

Less Trade-In: 1999 International Dump Truck/Snow
Plow/Sander Dump Truck: Model: T444E, Ser.#:
IHISCABR3XH678287,
Plow and Salt Spreader: Ser.# 129873

\$ _____
Trade-in Value

Price With Trade-In: \$ _____

My Bid for the described Truck Cab/Chassis with Dump Body, Sanding Unit and Snow Plow is:

(amount written out fully)

If the City places an order with my firm for the specified equipment, I hereby certify I will deliver a new unit on or before:

_____ which meets the above specifications.
Month Day Year

Signature of Bidder: _____

Name of Bidder: _____

Company Represented by Bidder : _____

Address of Bidder : _____

Telephone and FAX Number of Bidder: _ _____

MAILING LIST FOR DUMP TRUCK

Floyd's Sales & Service
P.O. Box 490
Scottsbluff, NE 69361
308-632-2911
FAX: 632-5634

Aulick Industries
730 Avenue I
Scottsbluff, NE 69361
308-632-6197

TransWest Ford
1515 E. 20th Street
Scottsbluff, NE 69361
308-635-3701
FAX: 635-3701

Northern Truck Equipment
Corp. P.O. Box 130
Rapid City, SD 57709
605-341-8780
FAX: 605-341-8786