



**REQUEST FOR BID**

**FOR  
ONE NEW SIDE LOAD REFUSE COLLECTION**

**CITY OF SIDNEY  
SOLID WASTE DEPARTMENT**

**ISSUE DATE: NOVEMBER 12, 2020**

**CLOSING DATE AND TIME: DECEMBER 31, 2020 AT 10:00 A.M.**

**CONTACT:**

**DEAN STERLING  
SOLID WASTE SUPERINTENDENT  
Telephone: (308) 254-6071  
Fax: (308) 254-0408**

**CITY OF SIDNEY – REQUEST FOR BID**  
**ONE NEW SIDE LOAD REFUSE COLLECTION VEHICLE**  
**FOR THE**  
**CITY OF SIDNEY SOLID WASTE DEPARTMENT**

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**1. INTRODUCTION**

The intent of this REQUEST FOR BID is to solicit written proposals from a qualified person, firm, or corporation, hereafter referred to as “Supplier,” to provide the City of Sidney, Nebraska with **ONE NEW SIDE LOAD REFUSE COLLECTION VEHICLE**.

To be eligible for consideration, the Supplier must be capable of supplying the services as noted herein, and must also meet all other criteria outlined in this proposal.

**2. INQUIRIES AND CORRECTIONS**

All inquiries relating to this request shall be addressed to:

DEAN STERLING  
Solid Waste Superintendent  
City of Sidney, Nebraska  
P.O. Box 79  
1115 13<sup>th</sup> Avenue  
Sidney, Nebraska 69162  
(308) 254-6071

If a proposing Contractor, prior to submitting a proposal, finds discrepancies in, or omissions from the Request for Bid (RFB), or should require additional clarification of any part thereof, a written request for interpretation may be submitted. Any interpretation of, or change made to the RFB will be made by written addendum to each proposing Contractor, and shall become part of the request for any contract awarded. All inquiries shall be made in writing and all responses will be provided in writing, with copies being sent to all proposing Contractors. To be given consideration, inquiries must be received at least ten (10) calendar days prior to the date established for the opening of the proposal. It shall be the responsibility of each proposing Contractor to verify that every addendum has been received prior to submitting proposals.

**3. SUBMITTAL DATE, LOCATION AND OPENING**

The City Clerk of the City of Sidney, P.O. BOX 79, 1115 13th Avenue, Sidney, Nebraska 69162, must receive all proposals prior to 10:00 a.m., DECEMBER 31, 2020. Proposals must be submitted in a sealed envelope plainly marked “Request for Bid, New Refuse Collection Vehicle”. These proposals will be evaluated utilizing the evaluation criteria herein.

#### **4. LATE AND TELEPHONIC PROPOSALS**

Late proposals will not be accepted under any circumstances, and any proposal so received shall be returned to the proposing Supplier unopened. In addition, telegraphic and/or proposals sent by electronic devices are not acceptable and will be rejected upon receipt. Proposing Suppliers will be expected to allow adequate time for the delivery of proposals. Sole responsibility rests with the proposing Supplier to see that their proposal is received on time.

#### **5. CONDITIONS OF PROPOSAL SUBMITTAL**

Proposing Contractors shall comply with at least all conditions, requirements, and specifications contained herein, with any insufficiency constituting sufficient cause for rejection of the proposal.

A duly authorized official of the proposing Supplier submitting the proposal must sign the proposal.

No proposal will be accepted from any Supplier that is in arrears for any obligation to the City of Sidney or that otherwise may be deemed irresponsible or unresponsive by the City of Sidney.

All prices quoted must be firm for a period of sixty (60) days following the opening of the proposal.

The City of Sidney reserves the right to reject any and all proposals or any part thereof. The right is reserved to waive any formalities or informalities contained in any proposal, and to award the proposal to the most responsive and responsible proposing Supplier as deemed in the best interest of the City of Sidney.

The City of Sidney will not return proposals or other information supplied to them by any proposing Contractor.

#### **6. EVALUATION OF PROPOSALS**

Proposals shall be evaluated on the basis of the following criteria:

- A. Responsiveness to the needs of the City of Sidney, both in cost and service.
- B. Responsibility of the proposing Supplier and its experience in dealing with municipal governments, including the City of Sidney, on bids of similar scope and nature.
- C. The degree to which the proposal meets or exceeds the terms of this Request for Bid.

## **7. PROPOSAL ELEMENTS AND FORMAT**

Proposals submitted shall contain all information as requested herein and any additional information necessary to summarize the overall benefit of the proposal to the City of Sidney. The supplier is required to return the BID PROPOSAL as the official sealed bid. Any bid submitted without the BID PROPOSAL will not be accepted. All additional information shall be included on separate sheets.

## **8. SCOPE OF SERVICES**

Topics to be addressed in this RFB include the following. This list is not intended to exclude any potential options or topics of concern that may arise during the preparation of the Proposal. At a minimum, the proposal shall meet the listed requirements attached to this RFB on the following pages.

## **9. CONTRACT NEGOTIATIONS**

The City of Sidney reserves the right to negotiate any and all items in the formal contract as they may relate to the Scope of Services, etc. found in the Request for Bid.

**SPECIFICATIONS  
TRUCK, CAB AND CHASSIS  
REFUSE COLLECTION VEHICLE**

**GENERAL**

The truck cab and chassis must be capable of carrying at least a nine tons payload. It will have single steering capabilities. It will be driven and operated from the right hand side. It shall be new, with twin screw type tandem axle and shall be modified by the bidder to be complete with the loader, body, and compactor unit. Bid should require two bids one for a freightliner, And one for a Mack chassis.

**MINIMUM SPECIFICATIONS**

**MAKE:** \_\_\_\_\_

**MODEL:** \_\_\_\_\_

**1. OPERATING WEIGHT**

- G.V.W. MINIMUM OF 56,000 POUNDS
- Axle Rating
  - Front axle minimum of 16,000 pounds
  - Rear axle 40,000 pounds (twin screw tandem) axle, single speed with ratio compatible with engine and transmission.
  - Equipped with manual differential lock

**2. SUSPENSIONS**

- Fore/Aft/Transverse/Control Rods
- Heavy duty front shock absorbers
- Heavy duty rear shock absorbers
- 40,000 Tuff Track Spring Suspension or equivalent
- Spring rating 18,000 pounds flat leaf front
- Spring rating 40,000 pounds rear
- Oil lubricated front wheel and rear wheel hubs

**3. STEERING**

- single steer capable with power steering

#### **4. AXLE RELATED ITEMS**

- 54 Inch axle spacing
- Axle ratio 6.14 Rockwell or equivalent
- Greaseable drag link and tie rods
- Hubs front and rear ferrous, magnetic trap drain
- Plug rear axle. Magnetic fill plug rear axle.

#### **5. 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 parking brake
- Manual drain cocks on air tanks

#### **6. TRANSMISSION**

- Allison 3560 automatic 6-speed or equiv. with auto neutral option
- Transmission oil cooler

### **POWER TRAIN**

#### **7. ENGINE**

- Six Cylinder turbo charged Detroit diesel engine electronic
- Minimum 300 gross horsepower and/or per packer body manufacturers' minimum requirements
- Minimum 800 ft. pounds torque and/or per packer body manufacturers' minimum requirements

#### **8. ENGINE EQUIPMENT**

- DELCO 12V 37 MT starter or equivalent
- Air cleaner dry type
- Coolant filter/conditioner, fleet guard spin on type
- Coolant recovery system
- Increased cooling system capacity, 1300 square inch heavy duty radiator
- Engine block heater, 1,000 watt 115 volt.

## **ENGINE EQUIPMENT CONTINUED**

- Single horizontal exhaust with muffler
- Fan clutch, fuel water separator
- Oil cooler, engine mounted oil filter

## **9. TIRES/WHEELS**

- Front tires 11 R 22.5 (16 ply) radial tubeless with all season tread
- Rear tires 11R 22.5 (16 ply) radial tubeless waste handler lug style
- Wheels-22.5 x 8.25 10 Hole steel disc
- Wheels are to be hub ported style
- One spare tire/wheel as specified above for rear tires 11R 22.5 (16 ply)

## **10. FUEL TANK**

- Steel, 70 Gallon LH mounted, 25" diameter tank

## **11. FRAME**

- Distance needed from back of CT 174" or will be provided by packer company
- 8 ½" of clearance from back of cab to tank
- 110,000 PSI yield strength steel frame, reinforced for 2.5 million RBM
- Two (2) front and rear mounted tow hooks bolted to frame

## **12. ELECTRICAL SYSTEM**

- Two (2) batteries minimum 1500 cold cranking amps
- 100 Amp alternator

## **13. CAB EQUIPMENT**

- Standard conventional with tilting hood and fenders
- Two (2) dual 7" x 16" heated west coast side mounted mirrors with round spotting mirrors, chrome with extra LH spot mirror (8") two (2) extra 8" spotting mirrors to be mounted on the RH side. Customer will specify placement.
- High back adjustable Heavy Duty cloth air ride seat on RH side with arm rests on both sides
- High back adjustable Heavy Duty cloth air ride seat LH side, same as above
- Standard retractable lap and shoulder seat belts
- Rubber floor mats/ additional floor mats
- Sun visors in cab
- Assistive inside and outside mounted handles

### **CAB EQUIPMENT CONTINUED**

- Windshield wipers w/intermittent speed equipped with washer reservoir
- Equipped with bag/storage on back of cab for paper/manuals
- Interior dome lamp with integral 3 Way switch activated by either door
- Single air horn, single electric horn both operational from LH/RH side
- 12 Volt dash mounted electrical outlet
- Keyed lockable doors
- Cab constructed of steel or aluminum or combination of both
- Cab framing reinforced floor
- Cab mounts Two Point hinges
- Bumper full width wrap-around
- Single rectangular sealed beam headlights equipped with turn signal light front and back with switches, warning lights, and buzzers
- Integral stop/tail/backup lights
- Tinted glass
- Steering wheel size approximately 18" with tilt/telescoping capability
- Equipped with factory external sun visor on cab with lights
- Standard roll up windows
- Flow through ventilation

### **14. INSTRUMENT PANEL AND GAUGES**

- Circuit protectors, self resetting circuit breakers
- Electronic engine hour meter
- Electronic tachometer
- Dual air pressure gauge with buzzer
- Engine coolant temperature gauge
- Transmission temperature gauge
- Engine oil pressure
- Fuel gauge
- Speedometer
- Voltmeter
- Instrument panel with adjustable lighting
- Equipped with clearance and identification lights
- All gauges, switches, controls, etc. must be visible and accessible from RH side

### **15. OPERATOR ENVIRONMENT**

- Heavy duty heater and defroster/air conditioning
- Integral AM/FM Stereo radio

### **16. PAINTING**

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



### **PAINTING CONTINUED**

- Frame standard black chassis paint
- Front and rear wheel paint-vendor white
- Cab will be primed and painted white

### **17. MISCELLANEOUS**

- Backup alarm
- Two (2) complete sets of parts, service, and operator's manuals
- Triangle reflectors
- Five Pound fire extinguisher mounted in cab
- First aid kit

### **18. 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 warrant 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 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 the two (2) calendar days at no extra charge to the customer
- Towing shall be included in the first two years

### **19. REPAIR PARTS AND SERVICE**

Since the continuous operation of this machine is of the utmost importance and sometimes of an emergency nature, it is necessary that the successful bidder be in a position to render prompt parts and service. Said parts inventory shall be of a sufficient size and variety to offer a level of parts availability of 95% within 48 hours from time of order by the customer. Availability of normal maintenance items such as filters, vee belts, hydraulic lines, and hoses shall not exceed 24 hours. Bidder shall attach his proposed program for parts and service ability for an evaluation. A factory authorized service shall be located within 200 miles of Sidney and shall have been a factory authorized parts and service facility for at least 5 years. Review of the bidder's ability to provide prompt parts and service will be used in determining low, qualified bidder.

# **SPECIFICATIONS LOADER, BODY & COMPACTOR**

## **GENERAL**

It is the intent of this specification to describe a hydraulically actuated refuse packer body with the following minimum specifications considered necessary to perform the work assigned and will be the product of a manufacturer actively engaged in the production of refuse collection equipment and will embody their latest improvements in design and construction. The body's construction and specifications shall be in compliance with the applicable standards as promulgated by the American Standards Institute (ANSI Z245.1)

The compactor body is an automated loading and dumping device. It will have a capacity of 33 to 36 cubic yards and be capable of compacting refuse and ejecting refuse from the body in a manner that does not require the body to be tilted in order to discharge at the disposal site. The receiving hopper area will be approximately 8 cubic yards and will accommodate up to and including 4 cubic yard side load containers without damage.

## **MINIMUM SPECIFICATIONS**

### **1. BODY CONSTRUCTION**

- The body shall have a minimum capacity of 33 cubic yards including loading hopper.
- Continuous circular design, reinforced and a minimum of 3/16 steel in thickness.
- There will be a minimum of three (3) reinforcing rings 3" x 3" x 3/8". One behind the hopper, one in the middle and one at the rear of the body.
- The body shall have an overall length of 300 inches.
- The body shall have a hopper opening located at the top of the body through which the containers are unloaded.
- The body shall have a weight inclusive of one lift device of 12,200 pounds for 33 cubic yards.
- The Tailgate will be of standard tailgate design. It will be constructed of 3/16" steel with a 3" x 3" x 3/8" square tubing ring reinforced.
- The Body floor shall be constructed from 1/4" high tensile steel reinforced with formed cross members constructed from 1/4" high tensile steel spaced at a maximum of 37 1/2" intervals along the entire length of the body floor.
- Compactor plate shall be all 3/16" steel design.
- Interior body shall be equipped with four (4) 4" x 9" x 1" retainer teeth on top and four (4) 4" x 9" x 1" retainer teeth on the bottom to retain the refuse once it is compacted.
- The compaction guide rails shall be a minimum of 1/4" steel and easily replaceable.
- The compaction plate shall have four replaceable wear slides per side for a total of eight.

## **BODY CONSTRUCTION CONTINUED**

- The body is to be equipped with a hinged access door located on the opposite side of the loader.
- Body shall have a rear under ride guard.
- Shall have tailgate support props.
- Rear anti spray mud flaps and rear fenders.
- Remote lubrication system accessible from ground level.
- Minimum size of door shall be 44" x 35" and be of 3'16" steel rolled to conform to the body.
- Hand rails and steps or ladders for easy access will be included.

## **2. TAILGATE**

- Tailgate shall be top hinged. The door shall rotate on 2 hinges located on the upper perimeter of the tailgate equipped with replaceable pins and should be hydraulically raised/lowered/locked with three hydraulic cylinders.
- The lower inside perimeter shall be equipped with a replaceable watertight seal.
- The tailgate shall be operated from a control switch located within easy reach of the operator inside the cab. (RH side)
- Unit will have an audible warning buzzer while the tailgate is unlocked and while being raised or lowered.
- Rear door locks- the rear door shall be secured by locks at three points on the lower perimeter.
- The locks shall be actuated by a hydraulic cylinder.
- The locks shall be actuated automatically upon actuation of the rear door lift cylinders.

## **3. CONTAINER LOADER**

- The container loader used in conjunction with the compaction body will provide means to pick up, dump and return to the ground, 1 ½ through 4 cubic yard containers without damage.
- The container loader will be mounted on the right hand side of the body.
- The container will be rated at 3,000 pounds lifting capacity.
- Container loader shall be actuated by two hydraulic cylinders and shall raise the lift carriage to the dump position and return to the disengage position.
- All movements of the loader (up, down, in, out) are to be accomplished with no more than three (3) cylinders.
- Loader is to be operated with dual air controls located within easy reach of the operator. (RH side) These controls shall be of a "light" touch design. Cable or chains will not be acceptable.
- The container loader shall be capable of extending outward from the fully collapsed position a minimum of 30 inches in a horizontal plane.
- The track reach (extend/retract) shall be actuated by two (2) hydraulic cylinders.
- The operator must have unrestricted view of the packer plate from inside the cab.
- The opening in the front of the body shall not be smaller than 34" x 24".

## **CONTAINER LOADER CONTINUED**

- Hydraulic reservoir behind the cab is not acceptable.

### **4. PACKING MECHANISM**

- The packer plate shall be actuated by a single hydraulic cylinder mounted in the horizontal plane.
- The cylinder shall be connected to the packer plate by trunnion mountings.
- The packer plate shall be capable of traversing the entire length of the body and shall be capable of exerting 1,500 PSI of force across the face of the packer plate.
- The packing mechanism shall operate such that the pack cycle terminates automatically prior to the packer plate contacting the rear door.
- Packer plate shall be mounted on replaceable steel shoes of a six inch width that shall ride in the six inch I-beam packer plate guides installed in the body floor.
- Packer lockout-the packing mechanism shall be equipped with the capability to prevent containers from being dumped behind the packer plate.
- Packing mechanism cylinder shall be a 2 stage packing cylinder with a main bore diameter of 8 7/16" and a stroke length of 220 inched or length equipped for a 33 cubic yarder.
- Cylinder should be capable of exerting 92,000 pounds of output force.

### **5. HYDRAULIC SYSTEM**

- Hydraulic pump shall be transmission mount.
- Low RPM displacement design with a priority flow control device and dry valve to control the pump.
- It will deliver a minimum of 16 GPM at 750 engine RPM to operate the lift at engine idle.
- The hydraulic pump should be adequate enough to allow operation of compaction ram and lift without having to shift to neutral and accelerate.
- Compaction cycle control; shall be push button control from inside the truck cab with an electric over air operated spool valve.
- Oil reservoir shall be 1 ½ times the capacity of the hydraulic system. Vent will be metal cap **NOT A FILTER TYPE.**
- Hydraulic reservoir shall be mounted on the side opposite of the container loader device. (LH side)
- Height shall not exceed 54" from ground level to top of tank.
- An oil sight level gauge to permit visual determination of the oil in the reservoir.
- Hydraulic system shall be equipped with a hydraulic oil filter on the return line inside on the top of the tank with a 100 wire mesh suction strainer.
- There will be a high pressure in line 10 micron filter in the pressure line ahead of the main control. The filter will be a replaceable element type.
- Hydraulic system will be equipped with a pressure detection devise to ensure a maximum 2400 PSI operating pressure.

## **HYDRAULIC SYSTEM CONTINUED**

- The hydraulic system shall operate at a pressure of 1800 PSI and shall be capable of operating at a pressure of 2000 PSI.
- Shall include a shut off valve on hydraulic suction line.
- Electronic over speed control.

## **6. PAINTING**

- The body should receive at least one coat of primer and finish coat of light grabber white elite, Dupont paint code # N-5028 EA or equivalent.
- The body shall be properly prepared free from weld slag, grease, and oils before painting.

## **7. MISCELLANEOUS**

- Body should be equipped with a ladder and catwalk on top of packer body.
- The compaction body shall have all necessary warning decals, lights and reflectors to meet State and Federal highway standards
- Additional working lights shall be provided on loader side of body.
- Body shall be equipped with mid body marker and turning lights, rear mounted strobe light and rear upper and lower break and turning lights.
- Bidder shall provide two complete sets of parts, service and operation manuals.
- Body should be equipped with UG small grabber for ( 96 gallon carts).
- 2 Camera system rear and hopper.
- LED Lights
- Emco Lift Bar

## **8. WARRANTY**

- List manufacturer's standard warranty.
- Bidder shall attach copy of warranty.
- One year unlimited warranty on all parts.
- One year unlimited warranty on all labor.
- One year limited warranty on all construction.
- List nearest parts dealer.
- List nearest service dealer.
- Repairs must be made in the first year with unlimited warranty and completed in no more than five (5) calendar days.
- If repairs are made by the City of Sidney in the first year, the City of Sidney will be reimbursed for labor and parts.

