

City of Scottsbluff, Nebraska

Monday, March 1, 2021

Regular Meeting

Item Bids4

Council to discuss and consider action on awarding the bid for the new Sanitation Truck to Floyd's Truck Center (chassis) and Elliott Equipment Company (body) for a total amount of \$205,524.36.

Staff Contact: Mark Bohl, Public Works Director

Agenda Statement

Item No.

For Meeting of: March 1, 2021

AGENDA TITLE: Council to award bid of new refuse chassis and body.

SUBMITTED BY DEPARTMENT/ORGANIZATION: Environmental Services

PRESENTATION BY: City Manager

SUMMARY EXPLANATION: The Environmental Service Department along with Central Garage received six bids for the body and 2 bids for the chassis. After reviewing the specs and the bids the Freightliner M2-106 the chassis from Floyd's Truck Center and the New Way Side Winder body from Elliott Equipment were determined to be easiest to handle and has sound mechanics. This body and chassis came in \$44,475.64 under budget.

BOARD/COMMISSION RECOMMENDATION:

STAFF RECOMMENDATION: Recommend awarding the chassis bid to Floyd's Truck Center and the body bid to Elliott Equipment Company.

EXHIBITS

Resolution ☐ Ordinance ☐ Contract ☐ Minutes ☐ Plan/Map ☐

Other (specify) approve the purchase of a new refuse truck

NOTIFICATION LIST: Yes ☐ No ☐ Further Instructions ☐

Floyd's Truck Center
Freightliner M2-106 (\$99,999.00)
Elliott Equipment Company
New Way Side Winder (\$105,525.36)

Total Price \$205,524.36

Floyd's Truck Center
PO Box 490
Scottsbluff, NE 69361
Attn: Tom Cooper/Cody Bohl
308-632-2911

Elliott Equipment Company
1245 Dawes Avenue
Lincoln, NE 68521
Attn: Sonya Dunn
402-474-4840

APPROVAL FOR SUBMITTAL: _____
City Manager

Rev: 11/15/12 City Clerk

2020/21 Refuse Truck Bid Overviews

Floyd's Truck Center

Chassis	<u>\$ 99,999.00</u>	2022 Freightliner M2-106
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Elliott Equipment

BODY	\$ 130,525.36	New Way Side Winder
TRADE	<u>\$ (25,000.00)</u>	
	<u>\$ 105,525.36</u>	

RTS Refuse Truck Sales

BODY	\$ 129,919.00	Curbtender HammerPak
TRADE	<u>\$ (55,000.00)</u>	
	<u>\$ 74,919.00</u>	

BODY	\$ 138,000.00	
TRADE	<u>\$ (55,000.00)</u>	
	<u>\$ 83,000.00</u>	

CHASSIS	\$ 132,000.00	Peterbilt 520
BODY	\$ 126,000.00	Curbtender Powerpak
TRADE	<u>\$ (55,000.00)</u>	
	<u>\$ 203,000.00</u>	

Kois Brothers

BODY	\$ 158,665.00	Heil DuraPack Rapid Rail
TRADE	<u>\$ -</u>	
	<u>\$ 158,665.00</u>	

Ameritech Equipment

BODY	\$ 97,672.00	Kann Mfg Curb Master SLEA
TRADE	<u>\$ -</u>	
	<u>\$ 97,672.00</u>	

We received two (2) bids for the refuse chassis. They came from Floyd's Truck Center and Peterbilt of Wyoming. We received SIX (6) bids from 4 companies for the refuse body. They came from Elliott Equipment, RTS Refuse Truck Center, Kois Brothers, and Ameritech Equipment. After reviewing the bid specs we have made the decision to go with Floyd's Truck Center for the Chassis Freightliner M2-106. We have had good luck with this particular chassis in the past and feel it's a great choice. For the body we have decided to go with Elliott Equipment New Way Manufacturing Sidewinder. We have had this style of body in the past and have never had issues with the mechanics of the body packer or compactor. This truck is \$44,475.64 under budget

**BID FORM
TRUCK, CAB & CHASSIS
SANITATION VEHICLE**

The Bidder proposes and agrees, if the Bid is accepted, to furnish the Work meeting or exceeding the minimum specifications specified for the contract price and within the time indicated in this Bid. This Bid will remain subject to acceptance for thirty (30) days after the date of Bid opening.

Bidder shall supply all shop drawings of truck, cab and chassis.

Bidder shall use and complete all items on the bid forms.

A copy of the manufacturer's warranty shall be attached to the Bid forms (minimum 2 years).

**TRUCK, CAB & CHASSIS
SANITATION VEHICLE**

Includes furnishing, servicing, and delivering to Packer Body Company operation and maintenance instruction and all other items necessary to complete the Work; except those items specifically listed hereafter for the following Lump Sum Price:

1 each at:

NINETY NINE THOUSAND NINE HUNDRED NINETY NINE + ⁰⁰/100 \$ 99,999⁰⁰
(Words - Lump Sum Price) (Figures L.S.)

List: Make and Model: 2022 FREIGHTLINER M2-106

Delivery if other than 90 calendar days: (specify): 225 TO 280 DAYS TO BODY COMPANY
Total Calendar Days

List: Factory Authorized Parts & Service Center

322 S. BERGLAND HWY EAST SCOTTSBLUFF 52 YEARS
Address Years at Present Location

CONTACTS:

Parts: NATE STROM Service: CODY BOWL

Telephone: 632-2911 Telephone: 632-2911

**SPECIFICATION
TRUCK, CAB, CHASSIS, & DUMP BODY**

GENERAL

The truck, cab, and chassis shall be capable of carrying a minimum nine (9) ton payload and shall be new or demo, with twin screw type tandem axle and shall be modified by the bidder to be compatible with the Packer body and compactor unit.

Details/Specified
Unit Proposed
By Bidder

TRUCK, CAB MINIMUM SPECIFICATIONS

MAKE: FREIGHTLINER

MODEL: M2-106

MINIMUM SPECIFICATIONS

1. **OPERATING WEIGHT:**

- ☐ G.V.W. minimum of 60,000 pounds

YES

Axle ratings:

- ☐ Front axle minimum 16,000 pounds
☐ Rear axle 40,000 pounds (twin screw tandem)
Single speed with ratio compatible with engine
and transmissions
☐ Equipped with manual differential lock from cab

YES

YES

Full D.F. Lock.

2. **SUSPENSIONS:**

- ☐ Heavy duty front shock absorbers
☐ Heavy duty rear shock absorbers 40,000# or equivalent
☐ Spring rating 20,000 pounds flat leaf front
☐ Spring rating 40,000 pounds rear
☐ Oil lubricated front wheel and rear wheel hubs
☐ Fore./Aft/Transverse/Control Rods

YES

YES

YES

YES

YES

YES

Axle Related Items:

- ☐ 56 inch axle spacing 54"
☐ Greaseable drag link and tie rods YES

3. **BRAKES:**

- ☐ ABS with diagnostics without traction enhancement YES
☐ Air brakes front and rear YES
☐ Bendix, AD-9, air dryer with heater mounted under cab YES
☐ All brake linings non-asbestos YES
☐ Equipped with air parking brake YES
☐ Manual drain cocks on air tanks YES

4. **TRANSMISSION:**

- ☐ Allison automatic transmission 6 speed with auto neutral option & PTO provision YES
☐ Transmission oil cooler YES
☐ Equipped with transmission filter YES

POWER TRAIN:

5. **ENGINE:**

- ☐ CUM ISC-350 350 HP @ 2000 RPM, 2200 GOV, 1000 LB/FT @ 1400 RPM (or equal) 350 HP 1100 R.D's
☐ Engine mounted oil check and fill YES
☐ DR 12V 160 AMP Quadra mount Pad Alternator with Remote battery volt sense YES
☐ Full flow oil filter YES
☐ Electronic engine integral shutdown protection system YES

6. **ENGINE EQUIPMENT:**

- ☐ DELCO 12V 38MT HD starter with integrated magnetic switch YES
☐ Air cleaner dry type W/SAFETY FILTER
☐ Coolant filter/conditioner, fleet guard spin-on type YES
☐ Coolant recovery system YES
☐ Cooling system capacity heavy duty radiator YES
☐ Heavy duty radiator for hydraulic pump 1100 Sq In
☐ Engine block heater, 1,000 watt 115 volt YES
☐ Exhaust system single vertical exhaust system with muffler HORIZONTAL
☐ Clutch fan YES w/ Dash Switch
☐ Fuel water separator filter YES
☐ Oil cooler, engine mounted disposable oil filter YES

7. **STEERING:**
☐ Power steering will be furnished Yes
8. **TIRE/WHEELS:**
☐ Front tires 16 ply radials tubeless w/all season tread Yes
☐ Rear tires 16 ply radials tubeless extra waste handler lugs style Yes
☐ Wheels - 10 hole steel disc - hub ported style Yes
☐ One spare tire 16 ply & wheel as specified above for rear tires Yes
9. **FUEL TANK:**
☐ Steel, 70 gallon (minimum) 25 inch diameter type tank Yes
10. **FRAME:**
☐ Two (2) front and rear mounted tow hooks bolted to frame. Yes
11. **ELECTRICAL SYSTEM:**
☐ Two (2) batteries minimum of 1500 cold cranking Amps Yes 2000 CCA
☐ PTO mode brake override - service brake applied or park brake not applied Yes
☐ PTO mode cancel vehicle speed - 5 MPH Yes
12. **CAB EQUIPMENT**
☐ Standard conventional with tilting hood and fenders Yes
☐ Two (2) 7" x 16" side mounted with round spotting mirrors, with extra left hand spot mirror - 8" and two extra spot mirror on right side. Yes Heater + LH RH Remote
☐ High back air ride seat on driver's side with arm rest on both sides Yes
☐ High back air ride seat on passenger side with arm rest on both sides Yes
☐ Seat belts retractable to lap and shoulder, seats Yes
☐ Heavy duty vinyl seats Yes
☐ Rubber floor mats/additional floor mats Yes
☐ Sun visors Yes
☐ Assistive handle for easy access to cab Yes
☐ Windshield wipers intermittent speed equipped with windshield washer Yes
☐ Interior dome lamp w/integral 3 way activated Switch by driver's door Yes
☐ 12 volt dash mounted electrical outlet Yes
☐ Single air horn, single electric horn Yes
☐ Keyed lockable doors Yes

- | | | |
|--------------------------|--|-----------------------------|
| <input type="checkbox"/> | Cab constructed of steel or aluminum or combination | <u>Yes</u> |
| <input type="checkbox"/> | Cab framing reinforced floor | <u>Yes</u> |
| <input type="checkbox"/> | Cab mounts two point hinges | <u>Yes</u> |
| <input type="checkbox"/> | Bumper full width wrap around | <u>Yes</u> |
| <input type="checkbox"/> | Headlights equipped with turn signal lights front and back and switches, warning lights with buzzers | <u>Yes</u> |
| <input type="checkbox"/> | Integral stop/tail/backup lights | <u>Yes</u> |
| <input type="checkbox"/> | Steering wheel size approximate 18" | <u>Yes</u> |
| <input type="checkbox"/> | Mud flaps, front and rear duals | <u>Yes</u> |
| <input type="checkbox"/> | Colored flat screen monitor shall be mounted in the cab and be fully adjustable with split screen option so all camera views can be displayed at one time and automatically switch to full screen back up camera when unit is shifted to reverse | <u>Body Comp To Install</u> |

13. **INSTRUMENT PANEL AND GAUGES:**

- | | | |
|--------------------------|---|------------|
| <input type="checkbox"/> | Circuit protectors, self-resetting circuit breakers | <u>Yes</u> |
| <input type="checkbox"/> | Electronic engine hour meter | <u>Yes</u> |
| <input type="checkbox"/> | Electronic tachometer | <u>Yes</u> |
| <input type="checkbox"/> | Dual air pressure gauge with buzzer | <u>Yes</u> |
| <input type="checkbox"/> | Engine coolant temperature gauge | <u>Yes</u> |
| <input type="checkbox"/> | Transmission temperature gauge | <u>Yes</u> |
| <input type="checkbox"/> | Engine oil pressure gauge | <u>Yes</u> |
| <input type="checkbox"/> | Fuel gauge | <u>Yes</u> |
| <input type="checkbox"/> | Speedometer | <u>Yes</u> |
| <input type="checkbox"/> | Voltmeter | <u>Yes</u> |
| <input type="checkbox"/> | Instrument panel, adjustable lighting | <u>Yes</u> |
| <input type="checkbox"/> | Equipped with clearance lights and ID lights | <u>Yes</u> |

14. **CAMERAS:**

- | | | |
|--------------------------|---|-------------------|
| <input type="checkbox"/> | Two (2) color cameras will be provided:
1 st mounted on the tailgate below the strobe light
2 nd mounted in the hopper area | <u>Body Comp.</u> |
| <input type="checkbox"/> | Protective cases shall be provided for the cameras | <u>Body Comp.</u> |
| <input type="checkbox"/> | All cameras shall have shields to minimize sun glare | <u>Body Comp.</u> |

15. **OPERATOR ENVIRONMENT:**

- | | | |
|--------------------------|---|------------|
| <input type="checkbox"/> | Heavy duty heater and defroster | <u>Yes</u> |
| <input type="checkbox"/> | AM/FM/ Stereo Radio with front AUX port | <u>Yes</u> |
| <input type="checkbox"/> | Air conditioning/heavy duty blower | <u>Yes</u> |

16. **PAINTING:**

- | | | |
|--------------------------|--|------------|
| <input type="checkbox"/> | Minimum one coat of primer and finish coat of white in color | <u>Yes</u> |
| <input type="checkbox"/> | Frame standard black chassis paint | <u>Yes</u> |
| <input type="checkbox"/> | Front and rear wheels paint - vendor white | <u>Yes</u> |

17. **MISCELLANEOUS:**

- | | | |
|--------------------------|---|------------|
| <input type="checkbox"/> | Back up alarm | <u>YES</u> |
| <input type="checkbox"/> | Triangle reflectors | <u>YES</u> |
| <input type="checkbox"/> | Two (2) complete set of parts, service and operator's manuals | <u>YES</u> |
| <input type="checkbox"/> | Five pound fire extinguisher mounted in cab | <u>YES</u> |
| <input type="checkbox"/> | First aid kit | <u>YES</u> |

18. **WARRANTY:**

- | | | |
|--------------------------|--|---|
| <input type="checkbox"/> | List manufacturers standard warranty | <u>YES</u> |
| <input type="checkbox"/> | Bidder shall attach copy of warranty | <u>YES</u> |
| <input type="checkbox"/> | Minimum two year basic vehicle warranty | <u>YES</u> |
| <input type="checkbox"/> | Two year unlimited warranty on engine | <u>YES</u> |
| <input type="checkbox"/> | 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 | <u>YES</u> |
| <input type="checkbox"/> | Two year unlimited cab structure and sheet metal (conventional hoods) | <u>YES</u> |
| <input type="checkbox"/> | Five year unlimited warranty cab corrosion | <u>YES</u> |
| <input type="checkbox"/> | Five year unlimited warranty frame rails and cross members | <u>YES</u> |
| <input type="checkbox"/> | List optional warranties and cost | <u>YES</u> |
| <input type="checkbox"/> | Repairs must be made in the first two years with unlimited warranty and completed in no more than two (2) calendar days at no charge to customer | <u>NO FLOIDS WILL DO IT'S BEST BUT CAN NOT GUARANTEE 2 DGS.</u> |
| <input type="checkbox"/> | Towing included for the 1 st two (2) years | <u>YES</u> |

PACKER BODY & COMPACTOR

The Bidder proposes and agrees, if the Bid is accepted, to furnish equipment meeting or exceeding the minimum specifications specified for the contract price and within the time indicated in this Bid – Square Body or equal. This Bid will remain subject to acceptance for thirty (30) days after the date of Bid opening.

A copy of the manufacturer's warranty shall be attached to the bid forms.

Packer Body & Compactor

1 each at:

Price = \$130,525.36
- Trade = 25,000.00

one hundred five thousand, five hundred twenty five \$ 105,525.36
(Words - Lump Sum Price) + thirty six cents (Figures L.S)

Manufacturer: New way manufacturing

Model: 334D Sidewinder

DELIVERY (40 calendar days specified): 90 days after chassis
After receipt of truck (cab and chassis) Total Calendar Days



3100 West 76th Street
Davenport, IA 52806
Ph: 563-391-4840

Elliott Sanitation Equip. Co
1245 Dawes Avenue
Lincoln, NE 68521
Ph: 402-474-4840

4000 SE Beisser Drive
Grimes, IA 50111
Ph: 515-986-4840
Fx: 515-986-9530

14001 Botts Rd.
Grandview, MO 64030
Ph: 816-761-4840

4400 E 60th Ave
Commerce City, CO 80022
Ph: 303-853-4840

Quote

Date	Quote #
2/24/2021	15079
Proposed Shipping Date	
Terms	
Due on receipt	
Rep	
SD	

City of Scottsbluff
2525 Circle Dr
Scottsbluff, NE 69361

Here is our quotation on the goods named, subject to the conditions noted:

CONDITIONS: The prices and terms on this quotation are not subject to verbal changes or other agreements unless approved in writing by the Home Office of the Seller. Prices are based on costs and conditions existing on date of quotation and are subject to change by the Seller before final acceptance. All quotations and agreements are contingent upon strikes, accidents, fires, availability of materials and all other causes beyond our control. Typographical and stenographic errors subject to correction. Purchaser agrees to accept either overage or shortage not in excess of ten percent to be charged for pro-rata. Purchaser assumes liability for patent and copyright infringement when goods are made to Purchaser's specifications. When quotation specifies material to be furnished by the purchaser, ample allowance must be made for reasonable spoilage and material must be of suitable quality to facilitate efficient production.

Conditions not specifically stated herein shall be governed by established trade customs. Terms inconsistent with those stated herein which may appear on Purchaser's formal order will not be binding on the Seller.

TERMS: Equipment is due on receipt. Carts, Containers, Parts, & Service are Net 30 unless otherwise noted on your account. Balances over 30 days from date of invoice are subject to finance charges up to 1 1/2% per month.

Qty	Item	Description	Price	Total
1	Sidewinder	33YD Sidewinder refuse packer with complete mount, Hot Shift PTO, Tandem Vane, All LED Body Lights, LED Back-up lights on tailgate (2) Lights, LED work Lights (1 Light in Hopper and 1 Curbside Toward Arm), LED Oval Strobes Lowe tailgate (2 lights), Strobe Light Package (integrated Strobe System), Fire Extinguisher, Triangle Kit, 2 Safety vision dual Camera systems with 7" color Monitor. Electronic Filter by-Pass Indicator in cab. Zinc Plated Tubes, Induction Harden Pack Cylinders with scrapers, Quick Disconnect Ports for pressure Gauge, arm control joystick on Counsel, Hopper Access Ladder, Green Auto Pack Button 129889 Extra Manual 1 Year Warranty on Body and 2 Year warranty on Cylinders	129,525.36	129,525.36T
1	M2	Freightliner M2 chassis	99,999.00	99,999.00T
1	Freight	Shipping & Handling	1,000.00	1,000.00
	Trade In	Customer Trade In Discount	-25,000.00	-25,000.00
		Customers Exempt From Sales Tax	0.00%	0.00

Administrative Fee of \$150.00 will be added to all vehicle purchase transactions.

Total

\$205,524.36

TO CONFIRM ORDER, SIGN AND RETURN

X _____

SPECIFICATIONS

PACKER BODY & COMPACTOR

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 National Standards Institute (ANSI Z245.1)

GENERAL

The compactor body is an automated container loading and dumping device and shall meet Square Box Specifications or equal and will have a minimum capacity of 33 cubic yards and be capable of compacting refuse and ejecting refuse from the body in a stationary manner. The receiving hopper area will be approximately 4 cubic yards and will accommodate up to and including 95 gallon cart style containers without damage.

MINIMUM SPECIFICATIONS

Details/Specified
Unit Proposed
by Bidder

1. BODY CONSTRUCTION:

- | | |
|---|----------------------------|
| <input type="checkbox"/> Body Capacity – 33 CY including rear tailgate and hopper capacity | <u>✓</u> |
| <input type="checkbox"/> Hopper – at least 4 CY usable capacity with Hopper sides of a flat design with horizontal channel reinforcing. | <u>✓</u> |
| <input type="checkbox"/> Hopper floor to be flat full width and shall not have inboard guide rails or a trough. | <u>✓</u> |
| <input type="checkbox"/> Tailgate will constructed with 10 Gauge 50, 000 psi Yield Strength Steel | <u>✓</u> |
| <input type="checkbox"/> Compactor plate shall be hydraulically activated | <u>✓</u> |
| <input type="checkbox"/> The compaction plate shall be constructed of 1/4" Thick – 50,000 psi strength steel reinforced with vertical and horizontal boxed sections | <u>✓</u> |
| <input type="checkbox"/> The body is to be equipped with a hinge access door located on the side opposite the container loader. | <i>no - only curb side</i> |
| <input type="checkbox"/> Body shall have a rear under ride guard | <u>✓</u> |
| <input type="checkbox"/> Body shall have tailgate support props | <u>✓</u> |
| <input type="checkbox"/> Rear mud flaps and rear fenders | <u>✓</u> |
| <input type="checkbox"/> Remote lubrication system accessible from ground level | <u>✓</u> |
| <input type="checkbox"/> Hand rails and steps or ladder for easy access included | <u>✓</u> |

2. TAILGATE:

- | | |
|---|----------|
| <input type="checkbox"/> Tailgate should be top-hinged and hydraulically raised/ lowered/locked with two hydraulic cylinders. | <u>✓</u> |
| <input type="checkbox"/> The tailgate shall be operated from a control switch located within easy reach of the operator inside the cab. | <u>✓</u> |

- ☐ The lower inside perimeter shall be equipped with a replaceable watertight seal.
- ☐ Unit will have an audible warning buzzer when the tailgate is unlocked and while being raised/lowered.
- ☐ Rear door locks – the rear door shall be secured by locks at two points on the lower perimeter.
- ☐ The locks shall be actuated by a hydraulic cylinder
- ☐ The rear door shall be automatically latched and unlatched in sequence with the rear door hydraulic lift cylinders. The latch hook shall be constructed of 1" thick -100,000 psi yield strength steel

✓
 ✓
 ✓ → Same cylinders use for Lift + Lock
 ✓ No separate Lock cylinder
 ✓

3. CONTAINER LOADER AND GRIPPER:

- ☐ The container loader used in conjunction with the compaction body will provide means to extend, clamp, raise, dump and return 30 through 95 gallon cart style containers designed for automated collection
- ☐ The lift base shall support the lift arm, the dump arm the level pivot, the level link, the pivot link, and the reach link. The lift base shall rest atop the chassis frame rails for superior vertical distribution of loads induced into the chassis frame rails
- ☐ The lift arm shall consist of a fabricated structure with a structural tube to serve as support for the dump arm
- ☐ The dump arm shall consist of a structural tube that will support the appropriate grabber
- ☐ The level pivot shall be a fabricated channel
- ☐ The level link shall be a structural tube machined at each end for steel spherical bearings or brass bushings or similar and two (2) pins
- ☐ The pivot link shall be a structural tube machined on top and a spherical bearing or brass bushings or similar on the bottom end
- ☐ The reach link shall consist of two (2) parallel structural tubes linked mid-span
- ☐ Container loader shall be actuated by no less than three (3) hydraulic cylinders and shall raise the lift carriage to the dump position and return to the disengage position
- ☐ The container loader shall be capable of a complete cycle, which includes grip, lift, dump, lower, and un-grip in a maximum of 8 seconds
- ☐ The lift controls shall be self-centering type, returning to the neutral position when released. These controls shall have direct oil flow via a three (3) section "on-command" valve
- ☐ The packer button controls shall be electrical push

✓
 ✓
 ✓
 ✓
 ✓
 NA
 ✓
 ✓ C-channel
 ✓
 ✓
 ✓
 ✓

- button located in the cab convenient to the operator. Separate push buttons shall be provided for "Pack" and "Retract" to provide complete packer panel movement control in either direction. Pushing the "Pack" button shall automatically extend and retract the packer panel for a complete cycle.
- ☐ The track reach (extend/retract) shall be actuated by a hydraulic cylinder with hardened and chrome plate rods ✓
 - ☐ The container loader shall be capable of grasping container located 6" from the 96" wide envelope of the truck (containers placed directly next to the truck can be collected) ✓ 144"
 - ☐ The container loader shall be capable of gripping and dumping a container that is positioned a minimum of 48" above the trucks ground level ✓
 - ☐ The container loader shall be capable of reaching a minimum of 84" from the side of the body to the center of a 95 gallon cart container ✓ 144"
 - ☐ The container loader shall be capable of gripping containers placed within a foot of one side of the unit ✓
 - ☐ The container loader shall combine the lift arm raise and container dump function into one liver for ease of operation ✓
 - ☐ The container loader shall be within the 96" road limit in the travel position with the grippers in the full lower position ✓
 - ☐ The operator must have unrestricted view of the packer plate from inside the cab ✓
 - ☐ The container loader must extend in a linear horizontal motion ✓
 - ☐ No portion of the container loader shall have less than 13" of ground clearance in the stowed position ✓
 - ☐ When in the dump position, the highest point on a 95 gallon cart container shall not exceed 120" above the truck ✓
 - ☐ The container loader shall incorporate an inter-lock to prohibit the possibility of dumping the contents of the container outside the confinement of the hopper ✓
 - ☐ The container dump angle shall be a minimum of 45 degrees to ensure complete dumping and transfer of the containers contents into the hopper ✓
 - ☐ Hydraulic reservoir behind cab not acceptable ✓
 - ☐ The container griper shall incorporate an adjustable hydraulic circuit limiting the radial force applied to the container. ✓
 - ☐ The standard gripper shall be capable of handling ✓

30 through 95 gallon containers designed for automated collection

4. **PACKING MECHANISM:**

- ☐ The Packer plate shall be actuated by two hydraulic cylinders mounted in the horizontal plane.
- ☐ The cylinder shall be connected to the packer plate by trunion mountings
- ☐ The packer plate shall be capable of traversing the entire length of the body and shall be capable of exerting a minimum of 2000 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 wear strips
- ☐ Packer lock-out - the packing mechanism shall be equipped with the capability to prevent containers from being dumped behind the Packer plate
- ☐ Packing mechanism cylinders shall be a three stage, 5 1/2 x 4 1/2 x 3 1/2 bore, double acting and have chrome plated shafts. They are mounted above the floor to prevent damage and are attached by 2" diameter pivot pins.

✓
N/O
4" single stage

5. **HYDRAULIC SYSTEM:**

- ☐ The unit shall be equipped with a transmission mounted pump. Live power
- ☐ 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, 750 engine RPM to operate the lift at engine idle
- ☐ The hydraulic pump should be adequate enough to allow 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 1/2 times the capacity of the hydraulic system. Vent will be metal cap
NOT FILTER TYPE
- ☐ Shall be mounted on the side opposite the container loader device
- ☐ 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

✓
✓
✓
✓
✓
✓
No - Breather filter
✓
✓
✓

- with a 100 wire mesh suction strainer
 - ☐ There will be a high pressure in-line filter of 10 micron capability in the pressure line ahead of the main control valve. The filter will be of the replaceable element type. ✓
 - ☐ Hydraulic system will be equipped with a pressure detection device to ensure a maximum of 2500 psi operating pressure ✓ Bypass
 - ☐ The hydraulic system shall operate at a pressure of 1800 psi and shall be capable of operating at a pressure of 2000 psi 3000 psi
6. **PAINTING:**
- ☐ Two (2) coats of rust inhibiting primer are to be applied prior to the finish coat white in color to match cab ✓
 - ☐ Body shall be properly prepared free from weld slag, greases and oils ✓
7. **MISCELLANEOUS:**
- ☐ Should be equipped with ladder on Packer body ✓
 - ☐ The compaction body shall have all necessary warning decals, lights and reflectors to meet State and Federal highway standards ✓
 - ☐ Additional working lighting should be provided ✓
 - Equipped with front and rear strobe lights on body that has separate switch in cab
 - ☐ Equipped with spot light mounted on back of body hooked to backup lights ✓
 - ☐ Two complete sets of parts, service and operation manuals ✓
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 unlimited warranty on all construction
 - ☐ 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 in the first year, the City will be reimbursed for labor and parts
9. **CONTRACT NEGOTIATIONS:**
- The City of Scottsbluff reserves the right to negotiate any and all items in the formal contract as they may relate to the Specifications, etc. found in the Request for Bids.