

CITY OF MCCOOK

BID SPECIFICATIONS

ONE (1) NEW SOLID WASTE
COLLECTION VEHICLE

OCTOBER 3, 2022

NOTICE TO BIDDERS

ONE (1) NEW SOLID WASTE COLLECTION VEHICLE

The City of McCook is accepting sealed bids for One (1) New Solid Waste Collection Vehicle. Bids will be accepted by the City Clerk at the McCook City Offices until 2:00 P.M. on Tuesday, October 25, 2022 and then such bids shall be publicly opened and read aloud in the City Council Chambers, McCook Municipal Facility. Specifications and instructions to bidders are on file in the office of the City Clerk.

The City Council reserves the right to reject any or all bids and to waive any irregularities.

-s- Lea Ann Doak
City Clerk
P.O. Box 1059
505 West "C" Street
McCook, NE 69001

Publish: October 7, 14 and 21, 2022.

INSTRUCTIONS TO BIDDERS

1. Defined Terms.

Terms used in these Instructions to Bidders have the meanings indicated below which are applicable to both the singular and plural thereof.

- 1.1. Bidder - one who submits a Bid directly to the City as distinct from a sub-bidder, who submits a bid to a Bidder.
- 1.2. Issuing Office - the office from which the Bidding Documents are to be issued and where the bidding procedures are to be administered.
- 1.3. Successful Bidder - the lowest, responsible and responsive Bidder to whom the City (on the basis of the City's evaluation as hereinafter provided) makes an award.
- 1.4. Bidding Documents - includes the Advertisement or Invitation to Bid, Instructions to Bidders, and the Bid Form.

2. Qualifications of Bidders.

To demonstrate qualifications to perform the Work, each Bidder must be prepared to submit within five days after Bid opening upon the City's request detailed written evidence such as financial data, previous experience, present commitments and other such data as may be called for.

3. Interpretations and Addenda.

- 3.1. All questions about the meaning or intent of the Bidding Documents are to be directed to the Director of Public Works. Interpretations or clarifications in response to such questions will be issued by Addenda mailed or delivered to all parties recorded by the Clerk as having received the Bidding Documents. Questions received less than ten days prior to the date for opening of Bids may not be answered. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.
- 3.2. Addenda may also be issued to modify the Bidding Documents as deemed advisable by the City.

4. Bid Form.

- 4.1. The Bid Form is included with the Bidding Documents.
- 4.2. All blanks on the Bid Form must be completed by printing in black ink or by typewriter.
- 4.3. The Bid shall contain an acknowledgment of receipt of all Addenda (the numbers of which must be filled in on the Bid Form).
- 4.4. The address and telephone number of communications regarding the Bid must be shown.

- 4.5 The bidder shall list on a separate sheet of paper any variations from, or exceptions to, the conditions and specifications of this bid. This sheet shall be labeled "Exception(s) to Bid Conditions and Specifications," and shall be attached to the bid form.

5. Submission of Bids.

Bids shall be submitted at the time and place indicated in the Advertisement for Bid and shall be enclosed in an opaque sealed envelope, marked with "*BID ON ONE (1) SOLID WASTE COLLECTION VEHICLE*", and name and address of Bidder. If the Bid is sent through the mail or other delivery system the sealed envelope shall be enclosed in a separate envelope with the notation "BID ENCLOSED" on the face of it.

6. Modification and Withdrawal of Bids.

Bids may be modified or withdrawn by an appropriate document fully executed (in the manner that a Bid must be executed) and delivered to the place where Bids are to be submitted any time prior to the opening of Bids.

7. Opening of Bids.

Bids will be opened and (unless obviously non-responsive) read aloud publicly in the City Council Chambers, McCook Municipal Facility. An abstract of the amounts of the base Bids and major alternates (if any) will be made available to Bidders after the opening of Bids.

8. Award of Contract.

- 8.1. Owner reserves the right to reject any or all Bids, including without limitation the rights to reject any or all nonconforming, nonresponsive, unbalanced or conditional Bids and to reject the Bid of any Bidder if City believes that it would not be in its best interest to make an award to that Bidder, whether because the Bid is not responsive or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the City. The City also reserves the right to waive all informalities not involving price, time or changes in the Work and to negotiate contract terms with the Successful Bidder. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between words and figures will be resolved in favor of the words.
- 8.2. In evaluating Bids, the City will consider the qualifications of Bidders, whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.
- 8.3. The City may conduct such investigations as the City deems necessary to assist in the evaluation of any Bid and to establish the responsibility, qualifications and financial ability of Bidders.
- 8.4. If the contract is to be awarded, it will be awarded to lowest Bidder whose evaluation by the City indicates that the award will be in the best interests of the City.

9. General.

- 9.1. One (1) new Truck and Chassis shall be F.O.B., McCook, Nebraska and shall not include any federal excise or state sales tax.
- 9.2. A tax exemption certificate will be furnished by the City of McCook.
- 9.3 Delivery date - within 180-days from award of bid or as stated on bid.

GENERAL SPECIFICATIONS

ONE (1) NEW TRUCK AND CHASSIS

GENERAL:

It is the intent of these specifications to describe a truck and chassis in sufficient detail to secure bids on comparable equipment. All parts not specifically mentioned, which are necessary to provide a complete truck and chassis, shall be included in the bid and shall conform in strength, quality of material and workmanship to what is usually provided to the trade in general. The truck and chassis shall be a new, standard production model of the latest design in current production.

Any truck and chassis not conforming to these specifications will be rejected, and it will be the responsibility of the bidder to conform with the requirements unless deviations have been cited by the bidder and acceptance made on that basis.

The bidder shall furnish (in writing) his guarantees and the length of the guarantees on all parts and labor for the machine.

The bidder must submit with their bid the latest printed specifications on the units they propose to furnish.

INTENT:

It is the intent of the City not to be restrictive to any one manufacturer. However, the truck and chassis desired must meet the enclosed standards and any truck and chassis furnished which does not comply with the specifications will be rejected and returned to the bidder at his expense. All items appearing in the bidder's regular specifications which are in addition to these standards are assumed to be included in the bidder's proposal.

The truck and chassis furnished under this proposal shall be the manufacturer's latest model and design. Any additions, deletions or variations from the following specifications must be noted. These specifications shall be construed as minimum. **Should the manufacturer's latest specifications exceed these, they shall be considered minimum and shall be furnished.** It is also required that the bidder furnish descriptive literature and any additional specifications or information necessary to qualify the equipment he proposes to furnish.

Unless otherwise noted, all items specified must be factory-installed, inspected, tested and/or calibrated, as required, except that manufacturer's policies pertaining to dealer installation of minor accessories will be honored.

Other than where specifically noted, it is intended that the manufacturer will build the vehicle to these specifications and that the selling or servicing dealer will be required only to perform the pre-delivery service and not be required to modify, alter, exchange, assemble, install or paint various components to meet these specifications.

The vehicle shall be equipped with all legally required and manufacturer's recommended lights.

The vehicle shall comply with all current provisions of the National Traffic and Motor Vehicle Safety Act.

SPECIFICATIONS FOR TANDEM AXLE CHASSIS MINIMUM 53,000 POUND GVWR

The truck chassis shall be the latest current model under standard production at the time order is written. Trucks delivered shall comply with all current State and Federal safety regulations. CHASSIS SHALL BE DESIGNED FOR PACKER TRUCK APPLICATION. ALL INFORMATION NECESSARY TO SHOW COMPLIANCE WITH THESE SPECIFICATIONS, NOT INDICATED IN THE ADVERTISING BROCHURE, SHALL BE SUPPLIED IN WRITING AND SHALL ACCOMPANY THE BID. The truck chassis, complete and ready for satisfactory operation, shall meet or exceed the following minimum requirements:

Meets Specification - Please Indicate.

All items listed below are required. If there is an exception, a detailed explanation must be provided on the sheet labeled "Exception(s) to Bid Conditions and Specifications," and shall be attached to the bid form.

YES EXCEPTION

- | | | |
|-------|-------|--|
| _____ | _____ | 1. GROSS VEHICLE WEIGHT RATING - Shall be not less than 53,000 pounds. |
| _____ | _____ | 2. FRAME - Double-channel rails with up to 3.7 million RBM. |
| _____ | _____ | 3. COLOR - Bright white body. |
| _____ | _____ | 4. AXLES, SPRINGS, AND SUSPENSION - 20,000 pounds front axle with 16,000 pounds springs. Rear assembly shall be single reduction type tandem with minimum 40,000 pounds rated capacity Tuftrac two stage suspension. Rear axles to be driven by power divider with lockout. Rear axle ratio manufacturers' recommendation to provide maximum highway speed of approximately 74 MPH. |
| _____ | _____ | 5. SHOCK ABSORBERS - Manufacturers recommended front shocks for GVWR. |
| _____ | _____ | 6. BRAKES - Service brakes shall be six-wheel, full air, with automatic slack adjusters, two shoes per wheel, double anchored when brakes are drum type. Service brakes may also be combination of rear drum brakes and front disc brakes or all disc brakes. Dust shields are required. A spring loaded parking brake system designed to automatically apply parking brakes to all four rear wheels when pressure in main air reservoir drops below safe operating pressure with warning signal is required. The compressor shall be a single or two-stage water-cooled type with a minimum capacity of 18.7 CFM. Meritor Wabco system saver 1200 heated air dryer required, which may be dealer-installed if not available by manufacturer. Drain valve system for all air tanks must be conveniently operated from side of chassis. |

- _____ 7. STEERING - Manufacturer's left and right-hand power steering with matching left and right gauge package, foot throttles, foot brakes, self canceling turn signal, and horn.
- _____ 8. ENGINE - Cummins 330 HP Diesel. Engine to be equipped with 110 volt AC block heater. External male receptacle with cover for electrical wire for engine heater.
- _____ 9. TRANSMISSION - Allison 3000 RDS 6 speed with PTO provision. Heavy duty oil to water transmission cooler, transmission oil temperature gauge.
- _____ 10. FUEL TANKS - Minimum 80 gallon capacity.
- _____ 11. WHEELS - 22.5 inch by 8.25 inch front and rear. Ventilated, stud-piloted, steel disc type; identical including color. Automatic tire chains shall be installed.
- _____ 12. TIRES - Front 315/80R22.5 18 ply. Rear 11R22.5 16-ply.
- _____ 13. CAB - Fully enclosed, air mounted, safety type cab with locks on doors; low back air suspension seats with safety belts; cold weather insulation package; air conditioned; tinted heated windshield safety glass in cab; AM-FM radio with speakers.
- _____ 14. MIRROR - Heated, rectangular western-type, bright finish, non-glare glass mounted on right and left doors, extendable to maximum legal width. Right and Left 8" convex bright finish mirrors mounted under primary mirrors.
- _____ 15. LIGHTS - Halogen high beam headlights with low beam; LED parking, dome, tail and stop lights; LED front and rear directional turn signal lights.
- _____ 16. CONTROLS AND INSTRUMENTS - Key locking ignition switch; audible/visual alarm for low oil pressure, overheating, and low water level; head, parking and dome light switch; traffic hazard switch; headlight beam control; speedometer; voltmeter; oil pressure gauge; fuel gauge; engine temperature gauge; air pressure gauge; high beam indicator lights; flashing turn indicator lights; hour meter; and tachometer.
- _____ 17. BACKUP ALARM - Electronic type that meets OSHA standards.
- _____ 18. WINDSHIELD WIPERS - Electric intermittent.
- _____ 19. OIL FILTER(S) - Full flow, throw-away type.
- _____ 20. AIR CLEANER - Dual element with air cleaner restriction gauge. Bidder must state what is proposed.
- _____ 21. BATTERY-ALTERNATOR - Manufacturer's recommended batteries for diesel engine quoted; but, minimum 2000 CCA. Alternator shall be minimum 200 amps. System to be 12 volt.

- _____ 22. COOLING - Manufacturer's heaviest duty cooling capacity radiator. Truck shall have permanent glycol base antifreeze protection to 30 degrees below zero Fahrenheit.
- _____ 23. WARRANTY - The manufacturer's regular warranty certificate will be required with each unit delivered and the warranty shall apply, in all cases, with the following extension:
- Manufacturer's written warranty coverage including engine, transmission and differential must accompany delivered units.
- Full, manufacturer's warranty coverage will be required for the stated warranty period, beginning at assignment date, in addition to the time between delivery and field assignment.
- Warranty work shall be accomplished within the State of Nebraska.
- It is understood that the bidder accepts the above warranty requirements when offering a quotation.
- _____ 24. SERVICE - Manufacturer's standard warranty, completed pre-delivery inspection certificate, Manufacturer's Statement of Origin and line setting sheet will be required with each unit delivered. Service policy shall be honored by all of the manufacturer's authorized dealers in the State of Nebraska.
- _____ 25. MANUALS - Owner's/operator's manual must accompany unit delivered.
- _____ 26. DELIVERY - Completed Solid Waste Collection Vehicle shall be delivered to the City of McCook.
- _____ 27. INSURANCE -The City of McCook assumes ownership at time of actual delivery.
- _____ 28. RIGHTS - The City of McCook reserves the right to waive technicalities and to reject any or all bids.

SPECIFICATIONS PACKER BODY AND SIDE LOADING DEVICE

GENERAL

It is the intent of these specifications to describe a packer body and side loading device in sufficient detail to secure bids on a packer body with side loading device. All parts not specifically mentioned which are necessary to provide a complete body shall be included in the bid and shall conform in strength, quality of material, and workmanship to what is usually provided to the trade in general. The packer body and side loading device shall be new, of the latest design in current production.

Any packer body not conforming to these specifications will be rejected, and it will be the responsibility of the manufacturer to conform with the requirements unless deviations have been cited by the bidder and acceptance made on that basis.

ALL BIDS MUST MEET THE FOLLOWING MINIMUM SPECIFICATIONS:

The packer body shall be a new, standard production model of the latest design in current production.

The bidder shall supply one (1) parts book, one (1) service and repair manual, and one (1) operator's manual with the unit.

The bidder shall furnish (in writing) his guarantees and the length of the guarantees on all parts and labor for the compactor body.

The bidder shall list on a separate sheet of paper any variations from, or exceptions to, the conditions and specifications of this bid. This sheet shall be labeled "Exception(s) to Bid Conditions and Specifications," and shall be attached to the bid form.

Bidders must submit with their bid the latest printed specifications on the units they propose to furnish.

**GENERAL SPECIFICATIONS
31 YARD COMPACTOR BODY**

The packer body is an automated container loading and dumping device. It will have a nominal capacity of 31 yards and be capable of compacting refuse and ejecting same from the body at the disposal site.

Meets Specification - Please Indicate.

All items listed below are required. If there is an exception, a detailed explanation must be provided on the sheet labeled "Exception(s) to Bid Conditions and Specifications," and shall be attached to the bid form.

YES	EXCEPTION	I. <u>BODY CAPACITY</u>
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_____	_____	Body capacity shall be 31 cubic yards.
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YES	EXCEPTION	II. <u>HOPPER</u>
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_____	_____	Body shall be of a curved shell design. Body width shall not exceed 96"; Body length shall not exceed 312"; Body height shall be 100" above chassis frame height; Container dump height shall be no more than 102" from the ground - No exceptions; Hopper shall be a minimum of 5.7 cu. yd. capacity; Body shall have a fixed panel wall separating hopper and body compartments; Receiving container shall be constructed with a 1 1/4" taper front to rear to insure clean discharge; Body shall have a hinged follower cover to prevent material from getting behind the blade. This feature shall be guided by 2" rollers to reduce wear on guide channels. Guide rails shall not require lubrication; Body shall be sealed to hold liquids up to 18" deep; Body shall have a front clean out to clear materials ahead of blade and have a sealed door on each side. Body shall also have mid body clean out doors for behind the eject wall; All exterior welds shall be continuous.
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YES	EXCEPTION	III. <u>LIFTING MECHANISM</u>
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_____	_____	Body shall have a hydraulically operated curb side lifting device. Device shall be able to handle 1 to 4 cubic yard side load EMCO style rectangular containers. Cart grabber required capable of clamping and dumping 90 gallon plastic containers; Container lifting mechanism shall be a sufficient design to safely lift and dump containers of up to 3000-lbs. Capacity and incorporate an automatic latch and release feature; Lifting mechanism shall dump at mid height of body. Lift mechanisms that dump at top of body are not acceptable; Container dump height shall be no more than 102" from ground. No exceptions.; Unit must be equipped with Autolift.
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YES EXCEPTION

IV. CONSTRUCTION

Hopper frame shall be constructed of 3/16" high tensile steel; Hopper sides shall be constructed of 3/16" Domax 100XF; Body sidewalls shall be constructed of 10 gauge AR235 high strength steel with a curved shell design for added strength and less weight; Body roof sheet shall be constructed with 11 gauge Gr. 50 high strength steel; Body floor shall be constructed of 3/16" AR 450 steel plate; Body hopper floor shall be constructed of 3/16" AR200 steel plate.

YES EXCEPTION

V. TAILGATE

Tailgate shall be one piece - bubble type - top hinged - and of 4 cu. yd capacity; Tailgate shall be constructed of 11 gauge Gr. 50 high tensile steel reinforced with 4" x 4" x 3/16" tubing; Rubber door seal shall cover the bottom and 18" up both sides of tailgate eliminating leakage of liquids; Tailgate shall be actuated by two (2) 3" x 29" hydraulic cylinders with fittings to prevent rapid descent of tailgate in the event of hydraulic or hose failure; Tailgate shall lock and release hydraulically; Tailgate shall lock and release hydraulically; Tailgate lock and lift cylinders shall operate from the cab; Manual safety pin lock shall be included on tailgate; Safety props for tailgate shall be provided; All exterior welds shall be continuous.

YES EXCEPTION

VI. EJECT SYSTEM

Body shall have an independent eject wall with an attached hopper tray and a 2 stage telescopic cylinder; Eject wall shall be completely independent of the compactor blade; Body shall have 3" channel track with Ductile iron guide shoes (replaceable); Eject wall hopper liner shall be 1/4" AR450; Eject wall floor (hopper) shall be constructed of 1/4" AR450.

YES EXCEPTION

VII. PACKING MECHANISM

Compactor blade shall penetrate receiving container 4" to reduce feedback of material into hopper; Compactor must be able to accept dumping of containers at any point in its cycle and be capable of continuous compaction. No Exceptions!; Blade face plate shall be constructed of 1/4" AR 450. Bottom blade face plate shall be 1/2" AR 450; Packing blade shall be hydraulically actuated by two (2) double acting single stage 5" cylinders of cross cylinder design. Compactor cylinder force shall be a minimum of 70,000 lbs; Compactor cycle time shall not exceed 16 seconds at idle.

YES EXCEPTION VIII. HYDRAULIC SYSTEM

_____ _____ Hydraulic tandem gear pump shall be transmission PTO mounted and include a hydraulic overspeed control to protect system from excessive flow and overheating at high engine RPM's. Vane pump is an option; Hydraulic reservoir shall be a minimum 60- gallon capacity with internal baffles and include sight and temperature gauges; Suction strainer shall be 100 mesh rated for 100 GPM; Filter shall be MP 10-micron absolute- 95 GPM or equal; Reservoir drain plug shall be magnetic; Hydraulic valve shall be capable of 70 GPM flow; Commercial 3" x 29" tailgate cylinders or equal; Mechanism lift cylinders shall be 5" bore x 16" stroke; Mechanism rach cylinders shall be 2.5" bore x 24" stroke; Compactor blade cylinders shall be two (2) single stage - double acting - trunnion mounted cross 5" bore x 51-5/8" stroke; Hydraulic operating pressure shall be 2,000 psi maximum.

YES EXCEPTION IX. ELECTRICAL SPECIFICATIONS

_____ _____ Compactor controls shall be electric over air in cab; Six (6) way joystick shall function mechanism. ; Electric rocker switches shall operate tailgate; Relays shall be solid state; Electrical system shall be protected by automatic reset circuit breakers; Wiring shall be MTW with WEATHERPACK/Metripac fittings; Lighting shall be LED and comply with DOT and FMVSS.

YES EXCEPTION X. CYCLE TIMES

_____ _____ Compactor - 16 seconds at idle. 25 seconds with lift mechanism running; Lift - dump container - 13-15 seconds.

YES EXCEPTION XI. MISCELLANEOUS

_____ _____ Bolt on rear mounted bolt on DOT approved bumper shall be installed; Paint shall be PPG polyurethane FDGH type installed with approved DPU166 primer and procedure. Body paint shall match the vehicle chassis ; Back up alarm and rear mud flaps shall be provided; Safety Vision tailgate and hopper camera; work lights and amber strobe safety lights are required.

YES EXCEPTION XII. WARRANTY

_____ _____ A written factory warranty to cover the basic unit and components for a minimum of one year from date of delivery.

NOTICE: ANY DEVIATIONS FROM THESE SPECIFICATIONS MUST BE SEPARATELY LISTED. OTHERWISE, IT WILL BE ASSUMED THAT THE BID MEETS THE SPECIFICATIONS IN ALL RESPECTS.

EXCEPTIONS TO BID SPECIFICATIONS SHEET

Line #

Explanation

[illegible]

**PROPOSAL FOR PURCHASE OF
ONE (1) NEW SOLID WASTE COLLECTION VEHICLE**

TO: The City of McCook
505 West "C" Street
PO Box 1059
McCook NE 69001-1059

The undersigned hereby certify that we have personally and carefully examined the specifications for your purchase of one (1) New Solid Waste Collection Vehicle. We understand and agree that the City of McCook reserves the right to reject any or all bids, to award the bid in part or in whole, and to waive any technicalities in awarding the bid.

Having made such examination, the undersigned hereby agrees to provide the following Solid Waste Collection Vehicle provided that the unit bid is acceptable after an inspection by the City of McCook personnel and that the bid is accepted by the McCook City Council.

<u>Truck Manufacturer</u>	<u>Model Number</u>	
<u>Packer Body Manufacturer</u>	<u>Model Number</u>	\$ <u>Total Cost of Vehicle</u>

The undersigned further agrees to deliver the Solid Waste Collection Vehicle to the City of McCook Transfer Station at 1801 West Old Highway 6 & 34, McCook, Nebraska within _____ days of notification of bid acceptance. Delivery of the vehicle will be at the bidder's expense and the City of McCook will not be responsible for any delivery expenses incurred.

Dated this _____ day of _____, 2022.

<u>Bidder/Company Name</u>	<u>(Telephone Number)</u>
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<u>(Business Address)</u>	<u>(E-Mail Address)</u>
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By: _____
Authorized Signature