

REQUEST FOR QUOTATION
SUBMIT BID TO
PURCHASING DIVISION
SHAWNEE COUNTY COURTHOUSE
Room 201
Topeka, Kansas 66603

QUOTATION NO.	040-19	VENDOR	_____
DATE MAILED	05-02-19	ADDRESS	_____
CLOSING	2:00 PM 05-17-19	PHONE	_____

THIS IS NOT AN ORDER

1. In communications always refer to the above quotation number.
2. In order to receive consideration, one copy of this request for quotation with your bid properly filled in must be signed and returned by the specified closing date.
3. All prices and conditions must be shown. Additions or conditions not shown on this bid will not be allowed.
4. Contracts or purchase orders resulting from this quotation may not be assigned without written prior consent of the Purchasing Division.
5. The Purchasing Division reserves the right to accept or reject any part of, or all of, any bid or proposal.
6. All prices quoted are to be less Federal Excise Tax and Kansas Sales Tax.
7. Failure to respond to RFQ may result in termination of future mailings.
8. Price quoted shall remain firm for thirty (30) days after bid closing date.

ITEM AND DESCRIPTION

Shawnee County is soliciting sealed bids for (4) New/unused 2019 Trucks and 25-yard, high compaction rear loader bodies per the following minimum specifications.

GENERAL SPECIFICATIONS

These specifications are guide specifications. Any exceptions to these specifications shall be so noted. The County reserves the right to waive minor technicalities under this specification. Bids on items that are "an approved equal" are encouraged unless otherwise noted. The burden of proof regarding "an approved equal" will be upon the bidder.

Bid results will not be given over the telephone. Results may be obtained by attending the public bid opening or by sending a self addressed stamped envelope to the Purchasing Division with your request for bid tabulation.

NOTE: If your company resides in a locale that has a local preference law, please state what that preference is _____. If there is no preference in your locale please answer by stating NONE. **FAILURE TO RESPOND TO THIS PART OF THE SPECIFICATION MAY RESULT IN REJECTION OF YOUR BID.**

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NONDISCRIMINATION: Shawnee County is committed to the concept of equal employment opportunity. All bidders and contractors are expected to comply with the provisions of K.S.A. 44-1030 and 44-1031, copies of which are attached and shall be a part of this contract and other applicable Federal and Kansas laws governing equal employment opportunity.

In accordance with K.S.A 44-1030, vendor hereby agrees to the following:

- A. He or she will observe the provision of the Kansas Commission on Human Rights and will not discriminate against any person in the performance of work under the present contract because of race, religion, color, sex, national origin, ancestry, or physical disability.
- B. In all solicitations or advertisements for employees, he or she will include the phrase, "Equal Opportunity Employer", or a similar phrase to be approved by the Kansas Commission on Human Rights
- C. If he or she fails to comply with the manner in which he or she will be deemed to have breached the present contract, and it may be canceled, terminated, or suspended, in whole or in part, by Shawnee County, Kansas
- D. If he or she is found guilty of a violation of the Kansas Act Against Human Rights under a decision, or order of the Kansas Commission on Human Rights which has become final, he or she will be deemed to have breached the present contract, and it may be canceled, terminated, or suspended, in whole or in part, by Shawnee County, Kansas; and,
- E. He or she will include the provisions of subsections (a) through (d) inclusively of this paragraph in every subcontract or purchase order so that such provision will be binding upon such subcontractor of vendor.

BID FORMS: Bid forms are to be completed, signed and returned to Shawnee County Purchasing Department, 200 SE 7th St., Room 201, Topeka, KS 66603. Bids shall be submitted on or before the date and time set for closing of bids.

Bids must be securely sealed in an envelope addressed and marked on the outside with the name and address of bidder, quotation number and closing date pm the outside of the envelope. Bids by telephone or telegraph, or facsimile will not be accepted.

CLOSING DATE: Sealed bids will be received until 2:00 p.m. CDT, on the scheduled closing date at which time they will be opened and publicly read. The time clock stamp in the Purchasing Department will conclusively determine the time of receipt. Bids received after the scheduled closing time will not be considered. Bids that do not carry proper identification may be rejected. The Purchasing Division will accept no responsibility for the premature opening of a bid not properly identified on the outside of the envelope.

SIGNATURE OF BIDS: Each bid must show in the space provided the complete business or mailing address of the bidder and must be signed by him with his usual signature.

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WITHDRAWAL OF BIDS: Bids already submitted may be withdrawn upon proper identification of bidder and provided request is received prior to time of closing. Negligence on the part of the bidder in preparing the bid confers no right for the withdrawal after the time set for closing of bids.

NOTICE TO SUCCESSFUL BIDDERS: The successful bidder will be notified by letter or telephone as soon as possible after bids have been opened, tabulated, and analyzed.

TITLE: All titles shall be made out to; Shawnee County, 200 E 7th, Topeka, KS 66603.

Shawnee County is requiring the vehicle to have a temporary 60 day tag included from day of delivery.

NOTICE TO UNSUCCESSFUL BIDDERS: Unsuccessful bidders will not be notified.

A complete and current set of detailed specifications and maintenance technical data with appropriate illustrations as well as a complete and current set of warranty and guarantee data must also be submitted as a part of the bid. Failure to include these data may result in rejection of the bid.

Successful bidder must provide a complete list of parts for chassis, engine, and transmission and packer body by description from manufacturer's part numbers. Also to be included are shop service & repair manuals for chassis & engine capable of doing fuel injector testing and diagnostics with updates when available. This will be requested for (5) years after date of purchase of chassis. Complete electrical circuit diagrams of chassis, engine, transmission, packer body. Parts, repair, and rebuild manuals if not included in the above. Prefer the above to be in CD-ROM form.

NOTE: In the event that goods or services delivered by the vendor are unsatisfactory and remain unsatisfactory after a notice and an opportunity to correct the deficiencies, the County reserves the right to purchase substitute goods or services from the other bidders.

Shawnee County reserves the right to negotiate separately with any vendor after the opening of this RFQ when such action is considered in its best interest. Subsequent negotiations may be conducted, but such negotiations will not constitute acceptance, rejection or a counteroffer on the part of the County.

Shawnee County interprets the term "lowest responsible and best bidder" as requiring Shawnee county to :

- A. Choose between the kinds of materials, goods, wares, or services subject to the proposal, and
- B. Determine which proposal is most suitable for its intended use or purpose. Shawnee County can consider among other factors such things as labor cost, service and parts availability and maintenance costs of items upon which proposals are received. Shawnee County can determine any differences or variations in the quality or character of the material, goods, wares or services performed or provided by the respective vendors.

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Shawnee County will award the bid, if the successful vendor refuses or fails to make deliveries of the materials/services within the times specified in the RFQ, purchase order or contractual agreement, Shawnee County may be written notice, terminate the contract OR purchase order. The success vendor will certify and warrant that goods, personal property, chattels, and equipment sold and delivered are free and clear of any and all liens, or claims of liens, for materials or services arising under, and by virtue of the provisions of K.S.A. 58-201, et seq., and any other lien, right, or claim of any nature or kind whatsoever.

The vendor hereby certifies that he or she has carefully examined all of the documents for the project, has carefully and thoroughly reviewed this RFQ, understands the nature and scope of the work to be done; and that this proposal is based upon the terms, specifications, requirements and conditions of the RFQ, and documents. The vendor further agrees that the performance time specified is a reasonable time, having carefully considered the nature and scope for the project as aforesaid.

Shawnee County will use discretion with regards to disclosure of proprietary information contained in any response, but cannot guarantee the information will not be made public. As a governmental entity, Shawnee County is subject to making records available for disclosure pursuant to the Kansas Open Records Act. Any confidential or proprietary information should be clearly marked.

Shawnee county reserves the right to enter into agreements subject to the provisions of the Cash Basis Law (K.S.A. 10-1112 and 10-1113), the Budget Law (K.S.A.79-2935). Agreements shall be construed and interpreted so as to ensure that the County shall at all times stay in conformity with such laws, and as a condition of agreements the County reserves the right to unilaterally sever, modify, or terminate agreement at any time if, in the opinion of its legal counsel, the Agreement may be deemed to violate the terms of such law.

The vendor certifies that this proposal is submitted without collusion, fraud, or misrepresentation as to other vendors, so that all proposals for the project will result from free, open, and competitive proposing among all vendors.

This Request for Quotation, responses thereto and any contract documents will be governed by the law of the State of Kansas. Any dispute arising out of the same will be litigated only within the courts of the State of Kansas.

Vendor agrees that all data, documents, and information, regardless of form that is generated as a result of this Request for Quotation are the property of Shawnee County. The County shall not be liable to reimburse any vendor for the costs of creating, compiling or delivering the same to the County.

The County is exempt from the payment of Federal and excise taxes and from Kansas sales tax.

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TECHNICAL SPECIFICATIONS

It is the intent of these specifications to describe a hydraulically actuated packer body of the front loading type with the following minimum specifications considered necessary to perform the work assigned. The body shall be capable of compacting and transporting refuse to a landfill or transfer station and dispensing the load by means of hydraulic ejection. The body shall not be required to be tilted, lifted or otherwise displaced from the chassis in order to eject the load.

The Chassis & Packer body shall be current 2019 models, made under standard production by the manufacturer and which the bidder stocks parts.

All equipment furnished under this contract shall be new and unused, and the same as the manufacturers current production model. Accessories not specifically mentioned, but necessary to furnish a complete unit ready for use shall also be included. The equipment furnished shall conform to all ANSI Safety Standards A245.1-1-1984.

The unit as specified and all equipment, standard and optional, shall be completely assembled, adjusted, installed and ready for use on a truck chassis furnished by others. Bidder shall provide a (5) year warranty on hydraulic cylinders, (5) year warranty for defects in materials and workmanship parts and labor from date of delivery including wiring and electrical components wired in or connected to chassis or transmission or engine system shall be covered for five (5) years parts and labor.

The following specifications are the minimum acceptable specifications. Failure to comply may be used as a basis for rejection of the bid.

If the equipment offered differs from the provision contained herein, these differences must be explained in detail.

Bidders must indicate compliance, or state exceptions, or the bid may be subject to rejection.

TRUCK CHASSIS:

WARRANTY: 5 yr bumper to bumper and 5 yr-200,000 mile engine (Cummins PP1) including engine after treatment and 5 yr transmission. to include all parts, labor, and towing on transmission, rear axles, any internally lubricated parts of diesel engine and including starter, alternator, fuel pump, fuel injectors, turbocharger, water pump, all engine electronics including chassis wiring to and from engine and transmission, modules, relays, solenoid, sensors, chassis wiring, switches, dash gauges, hvac, etc.

ENGINE:

The engine shall be diesel fueled wet sleeve design with a minimum of 8.9 liters at 325 hp, turbo exhaust brake controlled from a dash mounted switch. The engine shall have a

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low oil pressure and high engine temperature engine shut down system. The engine must use an S.C.R. system to achieve compliance with E.P.A. 2019 emission standards. The fan will have a Horton two speed air operated clutch. The DEF tank shall be 11 gallons minimum of usable volume, located on LH side under cab. Exhaust must be RH under cab DPF/SCR w RH SOC vertical tailpipe. Shall have Cummins 30.4 CFM ISL air compressor. Shall have engine mounted Powercore air cleaner w/constant torque SS clamps, pop-up air flow restriction indicator. Shall have immersion engine block heater 120V 1000W. Shall have multi-function engine connector for body builder; body builder harness to EOF for customer installed remote throttle control. Shall have 160 amp alternator; fuel cooler required; must have filter/water separator w/WIF sensor. Starter shall be 12V electrical system w/centralized power distribution. Batteries shall be 3 Optima 31A Threaded post (900) 2700 CCA. **Must have battery disconnect switch on the side or back of the battery box to kill all power.** Battery box shall be cantilever aluminum BOC w/fiberglass cover, mounted on LH side. Shall have jump start terminals under hood.

WEIGHT:

The unit shall have a total GCW of no less than 66,000 pounds.

WHEELBASE:

The unit shall have a minimum wheelbase of 224"; CA shall have a minimum of 157"; and overall length shall be 376".

AXLES AND SPRINGS:

The unit must have a 14.6K 3.74" drop wide track steering axle, or approved equivalent. The front springs must have a capacity of not less than 14.6 K with shock absorbers, 2-leaf, with threaded bushings for taperleaf springs. The unit must have a 46K rated rear axle rated at not less than 46,000 pound capacity, with 16 MM load housing & wheel to wheel differential lockouts, in both rear axles, or approved equivalent. Gear ratio shall be 6.14. The rear suspension shall be Tandem Hendrickson HMX460 46K, have 54" axle spacing with a laden height of 11.5 inches, with shocks, rubber bolster bushings, heavy duty torque rods, and Transverse track rods, or approved equivalent.

TIRES & WHEELS:

Front: 22.5 x 9 Steel Armor powder coat, hub pilot mount, 5-hand holes. 315/80R 22.5 20 PR 20" SLR or approved equal.

Tandem rear: 22.5 x 8.25 Steel Armor powder coat, hub pilot mount, heavy-duty 5-hand holes. 11R22.5 16 PR 19.5" SLR or approved equal.

STEERING:

The unit shall have single power steering gear; power steering cooler shall be radiator mounted.

TRANSMISSION:

The unit shall have a push button 6 speed Allison 3500RDS (**push button selector must be integrated into the dash not below dash in a console**) Shall include heat exchanger & oil level sensor. Shall have center bearing driveline. Shall have Severe Service rear transmission support springs.

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FRAME & EQUIPMENT:

The unit shall have a heavy duty reinforced frame. Frame rails shall be 10 ¾" x 3 ½ x 3/8" steel, with full steel inserts. The bumper shall be 3-piece off-set, painted steel. Shall have two front mounted forged tow hooks, each rated for the weight of the fully loaded truck.; huck bolts throughout frame where possible. Shall have 75 gallon fuel tank LH under cab.

BRAKES:

Front brakes shall be 14.6 Bendix ES S-Cam 16.5x5in.; Drums 14.6K 16.5x5 in. Cast, with slack adjusters. Rear dual brakes shall be Bendix 16.5x7in. into 46K with automatic slack adjusters. Drums: Bendix ES S-Cam CastLite 16.5x7in. Bendix **6S/6M ABS with traction control and ESP anti-lock brake system.**

Air compressor shall be Cummins 30.4 CFM ISL or approved equivalent, Air dryer shall be Bendix AD-IS Extended Purge heated, or equivalent, to be located inside RH rail BOC; moisture ejection valve w/ pull cable drain.

CAB:

The unit must have Air ride cab suspension aluminum & fiberglass fully hucked conventional cab/ with all aluminum bulkhead doors & continuous stainless steel piano-style door hinges. Shall have cab door bearing blocks, top & bottom. Hood shall be sloped, with the top factory painted with anti-glare flat black, with radiator mounted grill, split fenders, mudflaps, & separate bumper. Shall have multi-plex wiring; **must include PTO, beacon light and work light switches integrated in to the dash and wired.** Driver seat shall be an air suspension high back with lumbar support and vinyl upholstery with dual armrests. **Steering column must have tilt & telescoping capabilities.** A two man passenger seat shall also be provided with vinyl upholstery. **Audible warning and seat belt light indicator must be present in dash. Seat belts shall be orange.** Shall have AM/FM/WB radio. **(Transmission gear selector must be mounted in the dash and not below the dash in front of the seat.** Shall have two 12V outlets. Shall have electric LH & RH door locks. Dual mirrors shall be heated & motorized and cowl mounted; 7" x 13" w/ chrome shell; LH/RH convex mirrors 5" x 7". Shall have one single convex mirror 8 ½" x 4 7/16" located on rider side, non-heated. Shall have two corner & one rear cab stationary windows, **no exceptions.** Shall have exterior aerodynamic sun visor w/ integral marker lights; 2" rubber wheel well fender extension; severe service reinforcements for aluminum cab sill; and Link Cabmate suspension. Shall have halogen headlamps; electric backup alarm; junction box at end of frame. The unit shall have circuit breakers for stop/brake/turn, tail lamp, high & low beams, marker/clearance lamps, horn, fuel heat, gauges, wipers, air dryer, HVAC controls, panel lamps. Some circuits will remain fuses. The instrument panel shall have speedometer, tachometer, fuel gauge, engine coolant temperature gauge, engine oil pressure, voltmeter, primary & secondary air reservoir gauges & air application gauge. DEF level gauge and warning lamp; engine hour meter and outside air temperature readouts. Shall have self cancelling turn signals w/column mounted headlight dimmer switch & intermittent wiper control. Shall have cab access contoured grab handles LH/RH, inside doorframe above dash. Shall have daylight door: LH/RH including RH peeper window. Shall have bug screen mounted behind grille. Shall have firewall mounted HVAC system for accessibility. Must have air line coupler & hose that reaches farthest axle to air up tires. This must be able to attach to the main air tank with easy access to the driver.

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PAINT:

DuPont Imron Polyurethane Enamel Orange (Spectra Master Yellow)

WARRANTY: Warranty pricing MUST reflect pricing for a chassis to be used in a refuse application. Warranties that are misquoted for use in a non-refuse application and are not of adequate coverage according to the Original Equipment Manufacturer shall become the financial responsibility of the vendor.

SERVICE:

The vendor shall give any information as to how long they have been involved with the product, and how they plan to support the vehicle after delivery. Provide hours of operation, mobile phone numbers for after hour service and describe parts and services available. Warranty repair facility shall be within 75 mile radius of 1515 NW Saline Street, Topeka, Kansas.

COMPACTION UNIT:

GENERAL:

Packer body to be a minimum 25 cubic yard capacity, exclusive of the hopper. Packer body capable of packing 1,000 pounds per cubic yard based on the average household refuse. Packer body must meet all applicable ANSI Z-245.1 safety standards.

Packer body must have at minimum of 6 inches of height above rear tandem tires no exceptions. Shall have one rear center mounted forged tow hook or "D" ring, rated for the weight of the fully loaded truck

WARRANTY:

The unit as specified and all equipment, standard and optional, shall be completely assembled, adjusted, installed and ready for use on a truck chassis furnished by others. Bidder shall provide a (5) year warranty on hydraulic cylinders, (5) year warranty for defects in materials and workmanship parts and labor from date of delivery including wiring and electrical components wired in or connected to chassis or transmission or engine system shall be covered for five (5) years parts and labor.

BODY CONSTRUCTION:

The roof and side sheets are to be one piece, 11ga 80,000-PSI minimum yield strength steel throughout with no seams.

Roof and sides are to be joined together by a one-piece formed corner; 1/4" 50,000 PSI minimum yield strength steel.

Body sides and roof must be curved design.

Clean out trough integrated across underneath entire front of packer body approximately 20" wide x 10" tall, with doors & latches on both sides.

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The floor sheets shall have a thickness of 5/16" and be made of 50,000 PSI minimum yield strength steel. The floor sheets are to have a formed flange, minimum 3" tall, that ties into side sheet.

A metal side access door located at the left front corner of the body, at floor level, is to be provided. Opening is to be a minimum of 30" X 30" and can be slide rearward or hinge forward. Door to incorporate latch and locking mechanisms.

The body ramp liners shall be Hardox 450 175,000 PSI minimum yield strength (**NO EXCEPTIONS**)

BODY DIMENSIONS:

The inside height from bottom of floor-trough to center of roof sheet is to be no less than 90-7/8".

The overall height of body above the chassis frame is not to exceed 93" (no mounting sills)

The maximum inside width is to be no less than 90 7/8".

The outside width is to be no more than 96".

EJECTION SYSTEM:

Unloading shall be by full ejection method only. Dumping or rising of the body is not acceptable.

The ejection cylinder shall be telescopic consisting of multiple stages. A variable (adjustable) externally piloted resistance valve, which controls packing density and cylinder retraction, must be incorporated in the ejector panel/tailgate lift, two spool valve assembly. No portion of the ejection forces shall be directed toward the body floor (downward).

The telescopic ejection system hydraulic cylinder must angle upward from its front mounting location to avoid forces being directed into the floor. Telescopic ejection cylinders mounted downward or horizontally are not acceptable. The case end of the cylinder must be attached to the ejection panel with full style bearing housings for easy removal and be secured approximately half way up the panel to counter the tipping forces applied to the ejection panel by the tailgate packing mechanism.

The ejector panel face sheet is to be minimum 3/16" thick, 50,000-PSI steel. The panel must withstand the packing mechanism forces and the ejection of highly compacted refuse. The ejector panel is to travel the full length of the body and be equal in area to the cross section area of the body.

The ejector panel must be designed to act as a bulkhead against which refuse is compressed and incorporate a "diamond-shaped deflector structure" which enhances compaction by directing material entering from the packing mechanism toward the upper corners of the body.

The ejector panel shall travel on four 10-1/2" long poly shoes on the lower panel guide and four 9-7/8" long poly shoes on the upper panel guide. These guide shoes must be replaceable without removing the ejection panel from body.

At no time may any portion of the ejector panel, when in its rearmost position, extend

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beyond the plane of the rear body opening.

TAILGATE:

The tailgate is to be top hinged to the body at the roofline utilizing cast steel hinges. It is to be raised for load ejection by two, 4" bore, single acting "RAM style" cylinders mounted on the outside of the tailgate. Cylinders shall contain a restricting mechanism to prevent rapid descent of the tailgate and be manufactured with chrome-plated rods for added durability.

The tailgate is held in the closed position by two double lead thread screw clamps, one on each side of the tailgate. Clamps are to be equipped with a fast spin handle.

Two tailgate props (one each side) externally mounted shall be furnished. Tailgate to be open in the propped position a minimum of 24".

An extruded rubber gasket is to be affixed to the tailgate to provide a watertight seal between the body and tailgate. Sealing must be effective up to a minimum of 49".

Welded-on riding steps are to be provided on each side of the tailgate (bottom of step) set NO LOWER than 18 inches from the bottom surface of step to the ground, which must extend to the rear most point container latches not to interfere with dumping carts or metal containers.

1" min. diameter grab handles will be located in a convenient place for rider safety. The steps must be made of grip-strut open grate material and allow for vertical adjustment. Steps must comply with ANSI standards.

The tailgate shall be equipped with a "tailgate ajar" switch with an indicator light in the cab. The purpose of this light is to indicate to the driver that the tailgate is not completely closed.

The "tailgate ajar" switch with light must comply with ANSI safety standards.

Tailgate top sheets are to be two-piece poly (for ease of removal no tools required) and secured by quick release type fasteners.

The tailgate-loading sill must be 5" below the chassis frame after mounting.

Tailgate hinges shall have ground level grease points.

HOPPER:

Hopper floor is to be **Hardox** 450 175,000 PSI minimum yield strength steel **NO EXCEPTIONS.**

The hopper sides to be **Hardox** 450 175,000 PSI minimum yield strength steel **NO EXCEPTIONS.**

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Inside hopper width is to be a minimum of 80".

The hopper opening is to be a minimum of 80" wide x 54" high.

The hopper capacity is to be a minimum of 3.5 cubic yards.

The total cycle time is not to exceed 24 seconds.

Hopper bottom to incorporate a minimum of three (3) external longitudinal flat bar reinforcing members.

Each bar to be 1/2" thick and 4" wide.

PACKING MECHANISM:

The packer faceplate is to be a minimum of 1/4" 100,000 PSI yield strength steel.

The carrier faceplate is to be a minimum of 3/16" 50,000 PSI yield strength steel.

Minimum two (2) double acting, single stage, induction hardened, cushioned, 5.5" bore, packer plate cylinders.

Minimum two (2) double acting, single stage, induction hardened, cushioned, 5.5" bore, packer plate cylinders

The packer and carrier plate cylinders must be mounted inside the tailgate and all four cylinders must be interchangeable with each other.

The packing plate is to compact material into the body against the ejector panel and not into the forward portion of the hopper itself. Pre-crushing of material in the hopper is not acceptable.

The upper carrier plate is to utilize rollers vs. slides for easy movement. Rollers are to be 5" diameter made from forged 4150 steel induction hardened to 57-60 "Rockwell C" and have grease fittings accessible from external roller access openings.

When the packing mechanism reaches the interrupt position, the packer plate must stop approximately 16" above the loading sill to avoid a pinching action. The packing control handles must then be reactivated to complete the cycle. The packing control handles must be able to stop or reverse the packing mechanism at any position in the cycle.

The packing plate shall be protected from overload by an independent packer (load edge stress sensing) circuit relief valve located at the operating valve.

HYDRAULIC SYSTEM:

Hydraulic hoses MUST NOT be located Anywhere close to the DPF filter & Muffler. Minimum of 20" clearance from all of the hydraulic system hoses.

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The hydraulic pump is to be a spur gear type with wear compensating side plates using hydraulic pressure to keep them properly tensioned and positioned to maintain a consistent fluid flow rate.

Pump to be driven through a front mounted PTO connected to crank shaft.

The capacity of the pump must not be rated at less than 42 gallons per minute at 1200 rpm.

A factory sealed relief valve is to be set at a maximum of 2100 PSI

There shall be an internally mounted 141-micron suction strainer with built-in by-pass.

A 10 micron filter with a visual indicator to show when the filter is in a bypass mode must be supplied.

The hydraulic oil reservoir to be located on the curbside, mounted on the body floor, and have an oil sight gauge located for easy viewing. **Must have Ball valve shut-off at tank.**

The hydraulic oil reservoir must have a combination filler / breather cap with 10-micron air filtration.

The hydraulic oil reservoir shall supply adequate capacity to run all functions on the vehicle at a 15% grade.

The hydraulic system shall contain the following cylinders:

- A. All cylinders to operate without direct contact with collected refuse.
- B. All cylinder rods must be chrome plated to increase durability.
- C. Two packer plate and two carrier plate cylinders-5-1/2" bore, double acting, cushioned, with a stroke of 30-5/16". These four cylinders must have fully welded hydraulic fittings and must be interchangeable with each other. The cylinder rods must be induction hardened to a minimum 55 Rockwell "C" and chrome plated.
- D. Two tailgate lift cylinders - 4" bore, single acting "RAM style", with a stroke of 32-11/16". Rods to be chrome plated
- E. Telescopic Ejection Cylinder 25 yard = 6", 5", 4" Bore, 110" stroke

Hydraulic hose construction to be SAE approved with a burst pressure at least four times working pressure.

All hydraulic tubing to be zinc and yellow chromate plated. Must pass 100-hour salt spray. A manually operated control valve assembly utilizing direct mounted handles for ejection and tailgate lift is to be provided. This valve is to be located at the left front corner of the body. The valve is to incorporate the main system relief valve, which is set and sealed at a maximum pressure of 2100 PSI.

At no time shall control handles be inaccessible due to chassis components or configurations.

The packing mechanism-operating valve shall be a two-spool stack style hydraulic valve and incorporate self-contained pressure release detent end cap assemblies.

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For ease of access, the valve assembly is to be located at the right hand side of the tailgate. The hydraulic valve work ports must point upward for ease of service. Also, all hydraulic lines going to the main valve must be isolated by bulkhead style connections from all moving hydraulic lines.

The body shall have a hydraulic pressure gauge.

CONTROLS:

The manually operated controls for the packing mechanism are to be located curbside at the rear of the tailgate. An automatic throttle advance must be provided. The dual lever controls must have the capability of stopping, starting, and reversing the packing mechanism. To avoid possible damage from rubbish, the dual level control rods must be located outside the hopper. A push-button switch that activates a buzzer in the cab is to be provided on both sides of the tailgate to signal the driver. Must be equipped with large red "emergency stop" stop button located at right rear with controls that disables main hydraulic pump operation when pressed. Clean out door must also have a safety switch that disables main hydraulic pump operation while the door is open.

The tailgate lift and ejector controls, complete with a manually operated engine speed-up switch, are to be located at the left front corner of the body.
PTO/pump controls are to be mounted inside the cab.

LIGHTING & ELECTRICAL:

Body lighting must comply with FMVSS #108 regulations.

For maximum visibility, a light panel above the hopper must also be provided, consisting of two 4" red stop/tail lights, two 4" amber turn signal lights, three individual I.D. lights, and one license plate bracket with light. All lights to be grommet mounted except utility and license plate lights.

Amber 6" LED strobe with guard RH top of tailgate – Qty 1

Work lights: Tailgate – Qty 4; 2-Mounted outside Hopper illuminating inside of hopper area.
2-Outside on tailgate facing down towards rider steps.

Oval strobe – LED – flush mounted tailgate upper light panel – Qty 2

Oval strobe – LED – flush mounted front body upper panel – Qty 2

Wiring to be enclosed in a pre-assembled sealed harness to meet SAE spec, J22223-1-2-3.

All electrical junction locations are to be within the body structure and must be weather-proof. meeting SAE spec J2202. All junction locations are to be located so no overhead access is required.

All wiring to be color-coded and numbered.

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A back-up alarm conforming to current ANSI standards must be provided. The alarm must also sound when the tailgate is not closed.

PAINTING:

All metal burrs, weld residue and rough areas are to be ground off to a clean, smooth surface.

A coat of two-part epoxy, rust-inhibiting primer is to be applied to all metal surfaces.

A high gloss two part polyurethane topcoat is to be applied. Color is to be DuPont Imron Polyurethane Enamel Orange. (Master Yellow YS018HN) Top finish coat is to be baked on.

MOUNTING:

All body installation is to be completed by the manufacturer.

Factory mounting to incorporate rear mounts, spring supported front mounts, with integral lateral restraints.

FEATURES TO BE INCLUDED WITH THE PACKER BODY:

REEVING CYLINDER CONTAINER LIFT:

A hydraulically powered container–lifting device, mounted to the top of body on all trucks.

Cylinder shall have a 12,000 lb lift capacity, and lift up to 8 yd rear load containers

A set of container latches and ears for securing the container while being dumped into the hopper shall be installed to the sides of the tailgate.

Adjustable container stop bar, top light guard shall also be furnished.

Single lever control for the Reeving cylinder shall be mounted to the rear curbside of unit.

CART TIPPERS:

Bayne 1999-0180 MBTL 180 half tuck cart tippers shall be mounted to the rear of the hopper with control handles mounted on right rear and left rear of hopper. Tippers shall be operational when blade is in movement.

SAFETY REAR VISION CAMERA:

Rear view camera system with in-cab minimum 7” color LCD monitor mounted in cab. Unit to have sound in cab and mount to a swivel pedestal. **Camera system to have 36-month warranty.**

MUD GUARDS:

Rubber anti-sail mud guards mounted in front of front drive axle and behind rear drive axle.

Side Door Ladder – with step and grab handles

Full Center Bearings on Packer

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Shall have 1 street broom & 1 shovel with holding / mounting brackets on both sides.

Shall have 20lbs fire extinguisher mounted with protective bag.

Shall have large riding steps – ANSI Max; to be flush with hopper bottom & sides; 18” minimum from ground to bottom of step.

Shall have curbside mounted weather proof tool box 24” x 24” x 24”

Must have audible back up beeper mounted on top of tailgate in secure place

SERVICE:

The vendor shall give any information as to how long they have been involved with the product, and how they plan to support the vehicle after delivery. Give hours of operation, mobile phone numbers for after hour service and describe parts and services available.

ADDITIONAL SPECIFICATIONS:

Pre-delivery Service:

The truck and all components shall be free of leaks and fully operational with all adjustments made prior to delivery.

Repair and Parts Manuals:

Supplier shall furnish two sets of repair, service and parts manuals on a Thumb Drive for the truck cab and chassis, engine, SCR system, controls, and also packer body & other equipment added to the standard body, such as Tippers, Winch.

Technical Services:

Supplier shall provide the services of a competent technician thoroughly trained in the use, operation and preventive maintenance for a period of one working day.

Training:

Supplier shall provide 8 hours of service and maintenance training supplied by an appropriately trained instructor. This instructor must be employed by the manufacturer, not the supplier. Supplier shall also provide adequate operational training. Operational training may be provided by an adequately trained supplier employee. All training must take place at the customer's location at their convenience.

WARRANTY PERIOD:

60-month/6,000-hour with a bumper-to-bumper, no-deductible warranty to include all parts and labor on transmission, rear axles, any internally lubricated parts of diesel engine and including starter, alternator, fuel pump, fuel injectors, turbocharger, water pump, DEF & DPF system, filters, sensors, doser, heater lines, all engine electronics including chassis wiring to and from engine and transmission, modules, relays, solenoid, sensors, chassis wiring, switches, dash gauges, hvac. Towing to be provided by dealer from point of break down to dealers' facility if dealer is more than 25 miles away, unless vendor agrees to subcontract repair services.

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Delivery:

Delivery shall be within 180 days from the date a purchase order is issued to the winning bidder. Delivery shall be to: Shawnee County Solid Waste Maintenance Shop, 1515 NW Saline Street; Topeka, Kansas.

Delay Damages:

Owner and Vendor recognize that time is of the essence of this Agreement and that Owner will suffer financial loss if the Equipment is not completed / delivered within the time specified. They also recognize the delays, expense and difficulties involved in proving in legal proceedings the actual loss and increased maintenance costs suffered by Owner if the equipment is not completed and delivered on time. Accordingly, instead of requiring any such proof, Owner and Vendor agree that, by signing the "Schedule of Prices" bid form, as damages for delay (but not as a penalty), Vendor shall reduce the invoice amount submitted to the Owner by an amount of \$50.00/calendar day/vehicle for each calendar day

beyond the 180-day delivery period that a vehicle is not received by Owner at the location listed above.

If additional information is required, please contact Todd Hazard, Fleet Supervisor; Shawnee County Solid Waste, 1515 NW Saline Street, Suite 150, Topeka, Kansas, 66618-2844; Telephone No. (785)-251-6059, Cell No. (785)-213-9339; Facsimile No. (785)-291-4946.

All bids received on or before the specified bid closing time and date shall be publicly opened, read aloud and properly recorded on the bid tabulation sheet. Subsequent to the bid opening, all bids shall be thoroughly evaluated and a determination made as to their compliance with applicable specifications. The appropriate County department heads and the architect or engineer as applicable shall make this determination jointly. Upon completion of the above determination, an analysis of all bids submitted shall be prepared and formally presented to the Board of County Commissioners for acceptance and approval of the lowest and/or best bid.

The Board of County Commissioners reserves the right to accept or reject any and/or all bids and to waive any irregularities or informalities therein.

Michele Hanshaw, Purchasing Agent

SHOW TERMS _____

DELIVERY WILL BE MADE _____

F.O.B. _____

SIGNED _____

TITLE _____

PHONE NO. _____ FAX _____

E-MAIL. _____

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BID RESPONSE: The bid response shall include complete warranty/product support information, including printed manufacturing specifications, published literature, and photos or illustrations of units that the bidder proposes to furnish.

EXCEPTIONS: Any exceptions or variances to the exact bid specifications stated herein shall be listed on a separate page clearly marked "Exceptions:" Failure to do so may result in rejection of the bid.

BID EVALUATION: The County reserves the right to reject any bid. Bid evaluation criteria will include, but not be limited to the following:

PLEASE SUBMIT THE ORIGINAL AND A COPY OF YOUR BID

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SCHEDULE OF PRICES

<u>Item</u>	<u>Quantity</u>	<u>Unit Bid Price</u>	<u>Subtotal</u>
(4) 2019 Heavy-duty Refuse Truck with 25-yard high compaction Rearload unit	4	\$ _____	\$ _____
SUBTOTAL BID PRICE:			\$ _____

 State Make and Model of Truck Chassis

 State Make & Model of Rearload Compaction Units

Trade-in Vehicles:

SW 3120 2013 Freightliner M2 8.3 Cummings 70,000 Miles \$ _____
 Vin# 1FVHCYBSXDHFH8124
 25 yd Cobra Magnum Ser# 11505M-03-13

SW 3121 2013 Freightliner M2 8.3 Cummings 80,000 Miles \$ _____
 Vin# 1FVHCYBS8DHFH8123
 25 yd Cobra Magnum Ser# 11504M-03-13

SW 3122 2013 Freightliner M2 8.3 Cummings 70,000 Miles \$ _____
 Vin# 1FVHCYBS5DHFH8127
 25 yd Cobra Magnum Ser# 11508M-03-13

SW 3129 2017 Kenworth T400 10,000 Miles \$ _____
 Vin# 1NKBLJ0X4HR168667
 HEIL 25 yd DP-5000 SN# FP5023436

TRADE-IN ALLOWANCE: \$ _____

TOTAL BASE BID PRICE (Subtotal Bid Price minus Trade-in Allowance) \$ _____

TOTAL BASE BID PRICE (Printed in Words) _____

 COMPANY or FIRM NAME

BY: _____

DATE: _____

PLEASE SUBMIT THIS AS THE FIRST PAGE OF YOUR BID

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44-1030

Mandatory provisions applicable to contracts of the state and other political subdivisions; cancellation, when; application to subcontract; non-application to certain contract. (a) Except as provided by subsection (c) of this session, every contract for or on behalf of the state or any county or municipality or other political subdivision of the state or any agency of or authority created by any of the foregoing, for the construction, alteration or repair of any public building or public work or for the acquisition of materials, equipment, supplies or services shall contain provisions by which the contractor agrees that:

1. The contractor shall observe the provisions of the Kansas act against discrimination and shall not discriminate against any person in the performance of work under the present contract because of race, religion, color, sex physical handicap unrelated to such person's ability to engage in the particular work, national origin or ancestry.
2. In all solicitations or advertisements for employees, the contractor shall include the phrase, "equal opportunity employer," or a similar phrase to be approved by the commission.
3. If the contractor fails to comply with the manner in which the contractor reports to the commission in accordance with the provisions of K.S.A. 44-1032, the contractor shall be deemed to have breached the present contract and it may be cancelled, terminated or suspended, whole or in part, by the contracting agency
4. If the contractor is found guilty of a violation of the Kansas act against discrimination under a decision or order of the commission which has become final, the contractor shall be deemed to have breached the present contract and it may be cancelled, terminated or suspended, in whole or in part, by the contracting agency.
5. The contractor shall include the provisions of paragraphs one (1) through four (4) inclusively o this sub-section (a) in every subcontract or purchase order so that such provisions will be binding upon such subcontractor or vendor. (b) The Kansas commission on civil rights shall not be prevented hereby from requiring reports of contractors found to be not in compliance with the Kansas act against discrimination. (c) The provisions of this section shall not apply to a contract entered into by a contractor: (1) Who employs fewer than four (4) employees during the term of such contract; or (2) Whose contracts with the governmental entity letting such contract cumulatively total five thousand dollars (\$5,000) or less during the fiscal year of such governmental entity.
- 6.

44-1031. Same; personnel to be used in performing contracts; reports; non-application to certain contractors. Every person, as defined in subsection (a) of K.S.A. 44-1002, who wishes to enter into a contract which is covered by the provisions of K.S.A. 44-1030 shall upon request of the commission, inform the commission in writing of the manner in which such person shall recruit and screen personnel to be used in performing the contract. The report shall be made on forms to be supplied by the commission. The provisions of K.S.A. 44-1030 and of this section shall not apply to any contractor who has already complied with the provisions of such sections by reason of holding a contract with the federal government or a contract involving federal funds.

History: L.1972, ch.184, & 15; L. 1975, ch. 264, & 8; L. 1977, ch. 183, & 2; July 1.