



**PUBLIC WORKS DEPARTMENT**

**Request for Proposal**

**The City of Conway is soliciting Bids/Proposals for the following listed below: (Please note when a specific item is requested there can be no substitutions without the full knowledge and consent of city representatives.)**

**The City of Conway is accepting proposals for (3) Three Side Load Garbage Trucks, (1) One Side Load Recycle Truck, & (1) One Front Load Garbage Truck. All Proposals need to be submitted to Ken Senn, P.O. Drawer 1075, Conway, SC 29528 or hand delivered to 2940 Jerry Barnhill Blvd., Conway, S.C. 29527 no later than Monday, July 2<sup>nd</sup>, 2018 by 1:00 pm. Bids need to be good for 45 days. If you have any questions you can contact Ken Senn at 843-397-2539.**

**Please complete the attached bid proposal with specifications.**

**Acceptance or Rejection of Proposal:**

**The City of Conway reserves the right to reject any and/or all proposals when such rejection is in the best interest of the City of Conway to reject the Proposal of the Bidder who has not met the prerequisites on the bid proposal, who has previously failed to perform properly or complete on time contracts of a similar nature; and to reject proposal of bidder is, in the opinion of the City of Conway, in a perform contract. The City of Conway also reserves the right to waive any information and technicalities in bidding. All bidders must have a City license, as required by city ordinances, in order to participate in the bidding process. THE CITY OF CONWAY RESERVES THE RIGHT TO WAIVE IRREGULARITIES AND TO REJECT ANY AND ALL BIDS.**

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**INSPECTION, TRAINING, PERFORMANCE TEST AND ACCEPTANCE:**

1. Upon delivery, the equipment will be subject to inspection to verify conformance with specifications by the staff of the City of Conway.
2. Upon completion of the initial inspection and prior to performance testing by the City of Conway, the vendor will be required to conduct on-site technical training of the City of Conway personnel in operation and maintenance procedures. Vendor must include in their proposal any and all cost associated with providing this on-site training.
3. Upon completion of on-site training, the equipment will be required to undergo a **minimum of 10 working days on route testing prior to acceptance.** Performance testing will be performed by the City of Conway personnel during regular schedule work days. Performance testing will include at minimum: compaction, turning radius, cycle time and axle weight distribution.
4. Any defects or failure of equipment to perform or comply with any requirements of the City of Conway specifications, must be immediately remedied by the vendor at the vendor's own expense prior to acceptance by the City of Conway.

**THE SUCCESSFUL BIDDER MUST PROVIDE TWO SETS OF PARTS AND SERVICE MANUALS FOR THE CHASSIS AND BODY, AND A TRAINING VIDEO AT TIME OF DELIVERY. VEHICLE WILL NOT BE ACCEPTED WITHOUT THESE ITEMS.**

**LIST AND DESCRIBE ALL AREAS IN WHICH VEHICLE EXCEEDS SPECIFICATIONS.**

**DEVIATIONS FROM SPECIFICATIONS**

**CITY OF CONWAY  
SIDE LOAD GARBAGE TRUCK SPECIFICATIONS**

**MUNICIPAL REFUSE COLLECTION VEHICLE, HEAVY DUTY,  
SEMI-AUTOMATED SIDE LOADING, TANDEM AXLE TRUCK**

**CAB**

Low Entry Floor Height for Easy Entry and Exit, 19" height in Truck Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Cab Width not to exceed 96", No Diversion Cabs/Modify Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Dual Cab, low entry both sides Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**CAB EQUIPMENT**

Cab must have Left and Right Hand Low Entry with LH Drive Only. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Doors Shall Be Bi-Fold. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

West Coast Mirrors Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

8" Convex Mirrors Mounted Under West Coast Mirrors Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

City Horn & Air Horn Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Painted plastic grille to include bug screen Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Full Instrumentation Package Including Transmission Temperature Gauge Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Factory Installed Air Conditioning with Integral Heater and Defroster Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Engine Shut Down with Alarm Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Left Hand/Right Hand Driver Restraint Chains Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Left Hand/Right Hand Interior Sun visors Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Intermittent Windshield Wipers with Washer Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Lap and Shoulder Belts Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**ENGINE**

325 HP @ 1400 - 1900 RPM/1260 Ft. Lbs. Torque Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

5 Years or 250,000 miles Engine Warranty to include Turbo, Injectors, After Treatment System, Wiring & Sensors Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**ENGINE EQUIPMENT**

2 Stage Air Cleaner with safety element Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Heavy duty radiator and heater hoses Long Life Coolant	Meets_____ Exceeds_____
Heavy Duty Starter	Meets_____ Exceeds_____
DPF Vertical LH Side BOC w/SCR vertical RH Side BOC	Meets_____ Exceeds_____
Minimum of 6.6 Gallon DEF Tank	Meets_____ Exceeds_____
37.4 CFM Meritor	Meets_____ Exceeds_____
Fuel / Water Separator	Meets_____ Exceeds_____
Engine Brake - variable geometry turbo	Meets_____ Exceeds_____
<b><u>TRANSMISSION:</u></b>	
Transmission with Over-speed Protection	Meets_____ Exceeds_____
Hot Shift PTO with Over-speed	Meets_____ Exceeds_____
Allison 3500 RDS 6 Speed	Meets_____ Exceeds_____
Oil to Water Transmission Cooler	Meets_____ Exceeds_____
Service Brake	Meets_____ Exceeds_____
Heavy Duty Driveline	Meets_____ Exceeds_____
Low Level Oil Sensor	Meets_____ Exceeds_____
Automatic Neutral- Shifts to Neutral when Parking Brake is engaged	Meets_____ Exceeds_____
<b><u>FRONT AXLE:</u></b>	
Minimum Axle Rating 20,000 lbs	Meets_____ Exceeds_____
Heavy Duty Shock Absorbers	Meets_____ Exceeds_____
Heavy Duty Brake System	Meets_____ Exceeds_____
Automatic Slack Adjusters	Meets_____ Exceeds_____
Synthetic Lubricant	Meets_____ Exceeds_____
Utilized Wheel Hubs – No Maintenance Permanently Sealed	Meets_____ Exceeds_____
State Warranty – 5 Years or 250,000 Miles	Meets_____ Exceeds_____
<b><u>REAR AXLE:</u></b>	
46,000 lbs. rear axle with full locking driver controlled differential, Top Mounted Carriers w/Dual Reduction	Meets_____ Exceeds_____
Heavy Duty Shock Absorbers	Meets_____ Exceeds_____

Synthetic Lubricant	Meets_____ Exceeds_____
Heavy Duty Brake System	Meets_____ Exceeds_____
Automatic Slack Adjusters	Meets_____ Exceeds_____
46,000 lbs. Camel Back	Meets_____ Exceeds_____
State Warranty for Axle and Suspension 5 Years or 250,000 Miles	Meets_____ Exceeds_____
<b><u>CHASSIS:</u></b>	
Cab to axle to be comply with body requirements	Meets_____ Exceeds_____
Minimum 70 U.S. Gallon Fuel Tank	Meets_____ Exceeds_____
Front and Rear Tow Hooks	Meets_____ Exceeds_____
Anti-Lock Air Brake System with Heated Air Dryer and Automatic Moisture Ejectors on All Tanks	Meets_____ Exceeds_____
Emergency Jump-Start Studs	Meets_____ Exceeds_____
Backup Alarm	Meets_____ Exceeds_____
<b><u>LIGHTING: ALL LIGHTS LED</u></b>	
LED Headlamps	Meets_____ Exceeds_____
Pre-Trip Inspection system	Meets_____ Exceeds_____
Transistorized Flashers	Meets_____ Exceeds_____
Daytime Running Lights	Meets_____ Exceeds_____
Auto Reset Circuit Breaker	Meets_____ Exceeds_____
<b><u>RADIO:</u></b>	
AM/FM Radio, 1 Bluetooth, Weather band	Meets_____ Exceeds_____
Power and Ground Studs for Additional Radio Mount	Meets_____ Exceeds_____
<b><u>TIRES:</u></b>	
Front: 315/80/R22.5 20 PLY	Meets_____ Exceeds_____
Rear: 11R22.5 14PLY	Meets_____ Exceeds_____
<b><u>WHEELS:</u></b>	
Front: 22.5 x 9.0 Steel Disc, Hub Piloted, Pre-Painted white	Meets_____ Exceeds_____
Rear: 22.5 x 8.25 HD Steel Disc, Hub Piloted, Pre-Painted white	Meets_____ Exceeds_____

**COLOR:**

Cab: White, Base Coat/Clear Coat Chassis: Black

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**MISCELLANEOUS:**

On-line access to parts, service manuals, safety bulletins, recalls, electrical schematics at dealers' expense for a period no shorter than 5 years

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Filter kit to include air, oil, fuel & hydraulic filters

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**Safety Camera System** – Third eye mobile vision cameras system with 7" flat Screen Color monitor in cab. Camera shall be equipped with night vision & audio & DVR Recording device. Shall be equipped with three cameras: 1.) Hopper, 2) Rear View. Rear view shall be active in reverse and Automatically switch to hopper view otherwise, 3) Mounted on passenger side mirror.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**Towing is to be included on vehicle as long it is under warranty.**

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**STATE TOWING IN DETAIL**

## SEMI-AUTOMATED DROP FRAME SIDELoader SPECIFICATIONS

### Body Capacity

The body has a rounded shape enhancing resistance to deformation, durability and better legal payload

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

The minimum capacity of the body, excluding hopper area is: 27 cu. yd.

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

### Body Dimensions

The body is rounded for better stress resistance

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

The body is tapered (walls and roof) to facilitate the unloading of the material and to increase compaction ratio.

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Body is adapted to manual and semi-automated

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Overall body length, including hopper and tailgate is 292 in

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Overall body height above frame is 101 in

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Overall body width is 96 in

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Inside body width at front is 78 in

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Inside body width at rear is 87.5 in

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Width tapering is 9.5 in

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Inside body height at front is 89 in

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Inside body height at rear is 92.5 in

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Height tapering is 3.5 in

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

### Body Floor Construction

An abrasion resistant slope floor is taper and the slope angle is 21 °

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Slope floor steel grade is HARDOX 500

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Slope floor thickness is 1/4 in

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Slope floor yield strength is 190,000 PSI

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Slope floor liner wear plate steel grade is HARDOX 500

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Slope floor liner wear plate thickness is 1/4 in

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Slope floor liner wear plate yield strength is 190,000 PSI

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_



Body floor is curved for better resistance to deformation	Meets_____ Exceeds_____
Floor abrasion resistant steel grade is A-572 GR50	Meets_____ Exceeds_____
Body floor thickness is 3/16 in	Meets_____ Exceeds_____
Body floor yield strength is 50000 PSI	Meets_____ Exceeds_____
Long sills are made from HSS TUBING	Meets_____ Exceeds_____
Long sills dimensions are 6X2X3/8 in	Meets_____ Exceeds_____
Long sills steel grade is A-500 C GRADE	Meets_____ Exceeds_____
Long sills yield strength is 50 000 PSI	Meets_____ Exceeds_____
Number of sills under floor is 2	Meets_____ Exceeds_____

**Body side walls construction**

The body walls are rounded and smooth, improving resistance and lightness.	Meets_____ Exceeds_____
They are in one piece, full length of the body to reduce welding seams.	Meets_____ Exceeds_____
Body windows are installed on the front wall of the body, to indicate when body is full.	Meets_____ Exceeds_____
A hinged door is installed to allow operator's access to the hopper on curbside.	Meets_____ Exceeds_____
Upper wall corner is rounded for better resistance to compression and stress	Meets_____ Exceeds_____
Lower body side walls steel grade is A-715 GR 80	Meets_____ Exceeds_____
Lower body side walls thickness is 10 gauge	Meets_____ Exceeds_____
Lower body side walls yield strength is 80 000 PSI	Meets_____ Exceeds_____
Upper body side walls steel grade is A-715 GR 80	Meets_____ Exceeds_____
Upper body side walls thickness is 12 gauge	Meets_____ Exceeds_____
Upper body side walls yield strength is: 80 000 PSI	Meets_____ Exceeds_____

**Body roof construction**

Body roof is rounded and made of high yield steel for maximum resistance to Stress	Meets_____ Exceeds_____
Roof structural channel steel grade is A-715 GR80	Meets_____ Exceeds_____
Roof thickness is: 12 gauge	Meets_____ Exceeds_____
Roof yield strength is: 80 000 PSI	Meets_____ Exceeds_____

## Hopper dimensions and construction

All surfaces exposed to abrasion in hopper are made of HARDOX 450 steel or better for superior resistance to wear

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper sides, bottom and slope areas are covered with HARDOX liner wear plates for easy replacement when required

Meets\_\_\_\_ Exceeds\_\_\_\_

A large hopper offers a volume of not less than: 4 cu. yd.

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper depth is 18 in

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper width is 72 in

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper length is 60 in

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper height, at front, from bottom to canopy is: 105.5 in

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper height, at rear from bottom to canopy is: 107 in

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper floor steel grade is: IPSCO AR200

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper floor thickness is: 3/16 in

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper floor yield strength is: 70,000 PSI

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper floor liner wear plate steel grade is: HARDOX 500

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper floor wear plate thickness is: 1/4 in

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper floor wear plate yield strength is: 190,000 PSI

Meets\_\_\_\_ Exceeds\_\_\_\_

Side abrasion resistant steel grade is: IPSCO AR200

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper side walls thickness is: 3/16

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper side walls yield strength is: 70,000

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper side wall liner wear plates steel grade is: HARDOX 450

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper side wall liner wear plates thickness is: 3/16 in

Meets\_\_\_\_ Exceeds\_\_\_\_

Hopper side walls wear plates yield strength is: 175,000 PSI

Meets\_\_\_\_ Exceeds\_\_\_\_

Mid-hopper tunnel steel grade is: HARDOX 450

Meets\_\_\_\_ Exceeds\_\_\_\_

Mid-hopper tunnel thickness is: 1/4 in

Meets\_\_\_\_ Exceeds\_\_\_\_

Mid-hopper tunnel yield strength is: 175,000 PSI

Meets\_\_\_\_ Exceeds\_\_\_\_

Two body windows of expanded metal are installed in front of body wall to indicate when body is full.

Meets\_\_\_\_ Exceeds\_\_\_\_

Body windows dimensions are: 8 X 8 in	Meets_____ Exceeds_____
For easy hand-loading, hopper height above chassis frame (w/out 5.5 in	Meets_____ Exceeds_____
Canopy steel grade is: A-569	Meets_____ Exceeds_____
Canopy steel thickness is: 14 ga	Meets_____ Exceeds_____
Body front wall lower section steel grade is: IPSCO AR200	Meets_____ Exceeds_____
Steel thickness of body front wall lower section is: 3/16 in	Meets_____ Exceeds_____
Body front wall upper section steel grade is: A1011 GR80	Meets_____ Exceeds_____
Steel thickness of body front wall upper section is: 12 ga	Meets_____ Exceeds_____
Hopper front wall steel grade is: A-569	Meets_____ Exceeds_____
Steel thickness of hopper front wall is: 14 ga	Meets_____ Exceeds_____
Right-hand side sump box capacity is: 8 gal	Meets_____ Exceeds_____
Left-hand side sump box capacity is: 12 gal	Meets_____ Exceeds_____
Sump boxes doors dimensions are: 18 X 22.5 in	Meets_____ Exceeds_____
Sealed level above sump box floor is: 17 in	Meets_____ Exceeds_____
Floating panels steel grade is: IPSCO AR200	Meets_____ Exceeds_____
Floating panels thickness is: 3/16 ga	Meets_____ Exceeds_____
Floating panels yield strength is: 70,000 PSI	Meets_____ Exceeds_____
Floating panels dimensions are: 35 5/8 x 63 7/8 in	Meets_____ Exceeds_____
Breaker bar steel grade is: A-500 Grade C	Meets_____ Exceeds_____
Breaker bar thickness is: 3/8 in	Meets_____ Exceeds_____
Breaker bar yield strength is: 50,000 PSI	Meets_____ Exceeds_____
Breaker bar dimensions are: Ø6 x 71 in	Meets_____ Exceeds_____
Length from packer face to breaker bar is: 40 5/8 in	Meets_____ Exceeds_____
<b>Hopper Doors</b>	
Hopper loading area can be completely enclosed with roof as well as right and left hand side doors.	Meets_____ Exceeds_____
Doors are held open or close with manual locks.	Meets_____ Exceeds_____

Left hopper door dimensions is 71 X 73 in	Meets_____ Exceeds_____
Right hopper door dimension is 71 X 73 in	Meets_____ Exceeds_____
Hopper door steel is: A-569	Meets_____ Exceeds_____
Hopper door steel thickness is: 14 ga	Meets_____ Exceeds_____
Roll carts volume that the opening can accept is: 290 gal	Meets_____ Exceeds_____
<b>Rear Tailgate</b>	
The rear tailgate is operated by 2 hydraulic cylinders.	Meets_____ Exceeds_____
The rear tailgate is equipped with automatic hydraulic locks and constant pressure system to allow leak proof joint	Meets_____ Exceeds_____
Tailgate hydraulic line is equipped with flow restrictor to prevent sudden descent.	Meets_____ Exceeds_____
A channel mounted rubber seal is installed on the tailgate to prevent liquid leakage.	Meets_____ Exceeds_____
The tailgate pivots around a fixed point preventing seal damage and friction against body	Meets_____ Exceeds_____
A cab mounted audible alarm is provided to indicate when the tailgate is unlocked.	Meets_____ Exceeds_____
A manual tailgate control with safety protection is installed in the cab to prevent accidental activation.	Meets_____ Exceeds_____
Tailgate steel grade is: A-715 GR 80	Meets_____ Exceeds_____
Tailgate skin thickness is: 12 ga	Meets_____ Exceeds_____
Tailgate yield strength is: 80 000 PSI	Meets_____ Exceeds_____
Tailgate hinge pin steel is: Casting steel 8630	Meets_____ Exceeds_____
Tailgate hinge pin surface treatment is: Melonite QPQ	Meets_____ Exceeds_____
Tailgate hinge pins diameter is: 1 1/4 in	Meets_____ Exceeds_____
The number of cylinders operating the tailgate is: 2	Meets_____ Exceeds_____
Tailgate cylinder bore diameter is: 2 1/2 in	Meets_____ Exceeds_____
Tailgate cylinder rod diameter is: 1 3/4 in	Meets_____ Exceeds_____
Tailgate cylinder rod surface treatment is: Chrome-plated	Meets_____ Exceeds_____
Tailgate cylinder stroke is: 39 in	Meets_____ Exceeds_____
Tailgate cycle time at idle is: 39 sec	Meets_____ Exceeds_____

Tailgate seal height is: 30 in	Meets_____ Exceeds_____
Tailgate safety prop length is: 24 in	Meets_____ Exceeds_____
The tailgate opening angle is not less than (above horizontal): 45*	Meets_____ Exceeds_____
Tailgate Length: 33 in	Meets_____ Exceeds_____
Tailgate top frame steel is: IPSCO AR200	Meets_____ Exceeds_____
Tailgate top frame thickness is: 3/16 in	Meets_____ Exceeds_____
Tailgate bottom frame steel is: 50W	Meets_____ Exceeds_____
Tailgate bottom frame thickness is: 1/4 in	Meets_____ Exceeds_____
Tailgate side frame steel is: IPSCO AR200	Meets_____ Exceeds_____
Tailgate side frame thickness is: 3/16 in	Meets_____ Exceeds_____
<b>Packer</b>	
The packer face is 18" high providing Packer force on material 66 750 lbs	Meets_____ Exceeds_____
Packer is operated by 2 single stage, double acting cylinders.	Meets_____ Exceeds_____
One complete set of packer controls located on R.H. side and inside the cab. are provided	Meets_____ Exceeds_____
Packer controls consist of start, retract, emergency stop and engine speed-up (Fast Idle).	Meets_____ Exceeds_____
Fast idle speed, when activated: 1200 RPM	Meets_____ Exceeds_____
Emergency red button is provided to stop packer ram movement at any time.	Meets_____ Exceeds_____
Control buttons are industrial type, color coded and weather resistant.	Meets_____ Exceeds_____
The packer is built so that packing area produce a pressure on garbage of: 60 PSI	Meets_____ Exceeds_____
The packer is guided by 2 rails made of steel grade: HARDOX 500	Meets_____ Exceeds_____
Rail liner wear plates thickness is: 1/4 in	Meets_____ Exceeds_____
Rail liner wear plates yield strength is: 190,000 PSI	Meets_____ Exceeds_____
Rail dimensions are: 3 1/2 x 2 3/16 in	Meets_____ Exceeds_____
Packer underside wear shoes steel grade is: HARDOX 450	Meets_____ Exceeds_____
Packer underside wear shoes thickness is: 3/8 in	Meets_____ Exceeds_____

Packer underside wear plates yield strength is: 175,000 PSI	Meets_____ Exceeds_____
Packer topside wear shoes steel grade is: HARDOX 450	Meets_____ Exceeds_____
Packer topside wear shoes thickness is: 1/2 in	Meets_____ Exceeds_____
Packer topside wear plates yield strength is: 175,000 PSI	Meets_____ Exceeds_____
Packer is operated by 2 double-acting cylinders.	Meets_____ Exceeds_____
Packer cylinder rods are: Chrome-plated	Meets_____ Exceeds_____
Cylinder bore diameter is: 4 in	Meets_____ Exceeds_____
Cylinder rod diameter is: 2 1/2 in	Meets_____ Exceeds_____
Cylinders force is: 75 400 lbf	Meets_____ Exceeds_____
Packer force on garbage(lbf) is: 67 400 lbf	Meets_____ Exceeds_____
Maximum compaction of refuse is: 850 lbs /cu. yd.	Meets_____ Exceeds_____
Cylinder stroke is: 40 in	Meets_____ Exceeds_____
Inside width of packing ram is: 72 in	Meets_____ Exceeds_____
Inside height of packing ram is: 18 in	Meets_____ Exceeds_____
Packing ram stroke is: 52 in	Meets_____ Exceeds_____
Packing ram top steel grade is: IPSCO AR200	Meets_____ Exceeds_____
Packing ram top thickness is: 1/4 in	Meets_____ Exceeds_____
Packing ram top yield strength is: 70,000 PSI	Meets_____ Exceeds_____
Packing face plate steel grade is: IPSCO AR200	Meets_____ Exceeds_____
Packing face plate thickness is: 1/4 in	Meets_____ Exceeds_____
Packing face plate yield strength is: 70,000 PSI	Meets_____ Exceeds_____
Packing ram swept volume is: 1.44 cu. yd.	Meets_____ Exceeds_____
Penetration of the ram into body is: 12 in	Meets_____ Exceeds_____
Packer ram cycle time is: 12 sec @ 1200 RPM	Meets_____ Exceeds_____
Packer length (including following panels) is: 55 in	Meets_____ Exceeds_____
Packer control red button diameter is: 3 in	Meets_____ Exceeds_____

Packer control others buttons diameter is: 1.5 in	Meets_____ Exceeds_____
Packer cylinder pins steel is: Casting steel 8630	Meets_____ Exceeds_____
Packer cylinder pins surface treatment is: Melonite QPQ	Meets_____ Exceeds_____
Packer cylinder pins diameter is: 1 3/4 in	Meets_____ Exceeds_____
Packer cylinder pins are easily greaseable by sump doors.	Meets_____ Exceeds_____
Following panel steel grade is: IPSCO AR200	Meets_____ Exceeds_____
Following panel thickness is: 3/16 in	Meets_____ Exceeds_____
Following panel yield strength is: 70,000 PSI	Meets_____ Exceeds_____
Following panel dimensions are: 35 5/8 x 63 7/8 in	Meets_____ Exceeds_____

**Crusher Panel**

A hydraulic crusher panel is installed on the front wall of the body to optimize the compaction of the material and to facilitate the transfer into the body. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Two rubber strips 6" wide are attached on crusher panel sides to keep the Hydraulic protection is supplied to prevent dumping on top of the panel (Automated version only) Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Crusher panel steel grade is: A-715 GR80 Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Crusher panel thickness is: 10 ga Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Crusher panel yield strength is: 80 000 PSI Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Crusher panel dimensions are: 51 x 46 in Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Crusher panel is operated by 1 cylinder. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Crusher panel cylinder rod is: Chrome-plated Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Crusher panel cylinder bore diameter is: 2 in Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Crusher panel cylinder rod diameter is: 1 1/2 in Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Crusher panel cylinder stroke is: 14 1/2 in Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Crusher panel cylinder pins steel is: Cold-roll Stress proof Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Crusher panel cylinder pins surface treatment is: Melonite PQP Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Crusher panel cylinder pins diameter: 1 in Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Crusher panel cycle time is: 5 sec Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

## Hydraulic System

The hydraulic system is designed to allow easy maintenance	Meets_____ Exceeds_____
Hydraulic system is powered by a single Denison vane pump	Meets_____ Exceeds_____
The hydraulic tank is pressurized for pump protection (Except saddle tank)	Meets_____ Exceeds_____
The hydraulic tank is equipped with magnetic drain plug, oil level sight gauge and shut-off ball valve on suction line.	Meets_____ Exceeds_____
The hydraulic tank has an inspection and clean out cover.	Meets_____ Exceeds_____
Return line filter is tank mounted style	Meets_____ Exceeds_____
Return filter has a bypass valve and a differential pressure gauge.	Meets_____ Exceeds_____
100 mesh suction strainer is installed inside tank	Meets_____ Exceeds_____
Hydraulic steel tubing is used where flexibility is not needed.	Meets_____ Exceeds_____
All hydraulic steel tubes are zinc plated to prevent corrosion.	Meets_____ Exceeds_____
All tubes are securely clamped to prevent vibration, abrasion and excessive noise	Meets_____ Exceeds_____
All hoses are double braided minimum, high burst rated and abrasion resistant	Meets_____ Exceeds_____
All hydraulic hoses meet SAE standards	Meets_____ Exceeds_____
All hose bending radius respect manufacturer's requirements	Meets_____ Exceeds_____
Hydraulic system operates at acceptable temperature without external cooler	Meets_____ Exceeds_____
Quick disconnect fittings are provided so that a pressure gauge can be easily connected without using tools or hydraulic fittings removal.	Meets_____ Exceeds_____
Hydraulic pump flow is 38 gpm @1200 RPM	Meets_____ Exceeds_____
System working pressure (Relief valve adjustment) is: 3000 PSI	Meets_____ Exceeds_____
Hydraulic saddle tank capacity for cab over is: 71 gal	Meets_____ Exceeds_____
Maximum quantity of oil in hydraulic saddle tank is: 57 gal	Meets_____ Exceeds_____
The return line filter capacity is: 150 gpm	Meets_____ Exceeds_____
Nominal filtration rating is: 5 micron	Meets_____ Exceeds_____
The suction line strainer capacity is: 100 gpm	Meets_____ Exceeds_____
Suction line strainer size is: 100 mesh	Meets_____ Exceeds_____
Beta filtration ratio per ISO 16889 is: 200	Meets_____ Exceeds_____



The return line filter derivation valve cracking pressure is: 40 PSI Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Hydraulic pump driving shaft is: HD spicer (1310) Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

### **Body Lifting Mechanism**

The body hoist cylinder is front mounted with outer cover and top ported Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

One safety prop is supplied to support the body in the raised position. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

A light and audible alarm in cab are provided to indicate when body is raised and remain activated until it is not completely down. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Body is raised by one single acting front mounted telescopic cylinder with: 4 sections Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Telescopic cylinder rods surface treatment is: Salt bath Nitrided Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Cylinder stroke is: 180 in Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Lifting capacity is: 99550 lbs Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Body cylinder bore diameter is: 6 in Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Body dump angle is: 46.5 ° Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Body lifting cycle time is: 70 sec @ 850 RPM Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

### **Electrical/Pneumatic Systems**

All stop, directional, tail and clearance lights are LED type, recessed mount and water tight Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

All lights are FMVSS #108 compliant Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Rear lights are integrated to tailgate structure. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Dual-Tone back-up alarm is provided. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Limit switches are heavy duty, industrial type, water tight with adjustable arm Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

All circuits are protected with resettable circuit breakers and wiring is color coded and numbered. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Wiring conforms to SAE J1128. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Wiring connections are sealed with shrink tube Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

All wiring run in plastic loom. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Electrical/Pneumatic valves are installed in a watertight box Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

All electric wires are run in side rub rails with bolted access panels for easy access, no wiring under body Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**Miscellaneous**

Mud flaps are supplied at rear and front of rear axle.	Meets_____ Exceeds_____
Drop Frame modification shall be performed by body manufacturer.	Meets_____ Exceeds_____
Two (2) Cart Tippers - 1) One mounted on each side of truck. LH & RH	Meets_____ Exceeds_____
Cart tippers shall be compatible with all American carts, 32 - 96 gallon	Meets_____ Exceeds_____
Cart tipper lifting capacity shall be minimum 300lbs.	Meets_____ Exceeds_____
Cart tippers shall bolt on for easy replacement in less than an hour.	Meets_____ Exceeds_____
Cart tippers shall be powered by rotary actuator	Meets_____ Exceeds_____
Cart tipper control shall be located on both side of truck.	Meets_____ Exceeds_____
Packer, crusher panel, & E stop controls located on one side of truck & in cab.	Meets_____ Exceeds_____
Poly Hopper Extensions shall increase hopper capacity	Meets_____ Exceeds_____
Poly Hopper Extension shall be bolt on and replaceable.	Meets_____ Exceeds_____
Work light kit: w/ in-cab single manual switch - LED type. Qty 3	Meets_____ Exceeds_____
Work light positions: LH-side hopper (1), RH-side rail (2), LH-side rail (3)	Meets_____ Exceeds_____
Clean out tools shall be provided, including body mounted brackets: Shovel (1), Hoe (2)	Meets_____ Exceeds_____
Fire Extinguisher 20lbs - Body Mounted	Meets_____ Exceeds_____
LED Multifunction Strobe System - LED Amber on tailgate corners. Qty 4	Meets_____ Exceeds_____
Amber beacon strobe 6" Preco on center tailgate. Qty 1	Meets_____ Exceeds_____
LED Amber, alternating flashing 4" - front-of-body. Qty 2	Meets_____ Exceeds_____
Rear Tow Hooks - Truck frame mounted	Meets_____ Exceeds_____
<b>Safety Camera System</b> – Third eye mobile vision cameras system with 7" flat screen Color monitor in cab. Camera shall be equipped with night vision & audio & DVR Recording device. Shall be equipped with three cameras: 1.) Hopper, 2) Rear View. Rear view shall be active in reverse and Automatically switch to hopper view otherwise, 3) Mounted on passenger side mirror.	Meets_____ Exceeds_____
DOT Approved underride bumper - Bolt on for easy repairs	Meets_____ Exceeds_____
Cycle Time: Packer at idle: 19 sec.	Meets_____ Exceeds_____
Cycle Time: Packer, with Speed Up activated - 1200RPM: 12 sec.	Meets_____ Exceeds_____

Cycle Time: Cart tipper, at idle 6 to 8 sec.

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Cycle Time: Hand loading bucket/trough  
(if applicable). Please specify: \_\_\_\_\_ sec.

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**Controls characteristics**

Tailgate switch is: Electric

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Body lift switch is: Electric

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Pump switch is: Electric

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Packer controls are: Electric

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

If the body hydraulic control valve is pneumatic, electrical/pneumatic control valves will transfer the signal from the cab control to the body hydraulic control valve.

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**Console Standard Characteristics**

All body and arm functions are controlled via a Can-bus network

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

An LCD display with integrated diagnostic functions is installed in the cab

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Real time operation assistance with continuous system status on screen

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

All switches are illuminated

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**Painting**

All parts are properly cleaned of all dirt, grease and weld slag.

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Body, hopper and arm are shot blasted with steel beads

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

One coat (0,002") of polyurethane primer Imron Elite is applied on body

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

One finish coat (0,002") of polyurethane paint Imron Elite is applied on body

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Finish paint coat is baked. 125°F-150°F

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**Tipper Color:** Safety yellow

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**Body Paint Color:** Green - PPG# FDGH 43484 (or equivalent)

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**Manuals**

Parts, service and operator's manual are supplied for the refuse packer.

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**Lubrication**

All body hinges, cylinder rod ends, cylinder base, trunnion and pivot points are supplied with grease fittings.

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**Warranty**

The body manufacturer is certified ISO 9001.

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

All internal inspection documents such as intermediate inspection booklets made at the body manufacturer are available and filed per vehicle.

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Length of warranty on defective parts will not be less than 1 year Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Length of warranty on hydraulic cylinders and hoses will not be less than 1 year Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Length of warranty on automated arm is not less than 1 year Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

The body manufacturer is certified ISO 9001. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

All internal inspection documents such as intermediate inspection booklets made at the body manufacturer are available and filed for every vehicle. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**Body Service Capabilities:**

Body provider must have available road services technicians, who can travel to the City of Conway to handle repairs w/warranty work and other repair items. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**Towing included on all warranty work.** Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Please list how many service technicians are known to cover coastal SC Area. \_\_\_\_\_ techs

Please list distance to closest service/parts stocking facility, from Conway. \_\_\_\_\_ miles

Please list the travel cost for on-site mobile warranty repairs at City of Conway \$\_\_\_\_\_

**SIDE LOAD GARBAGE TRUCK  
PROPOSAL SUBMITTAL FORM**

1. PROPOSAL PRICE: One unit as herein  
Described, cab: white, body: Forest green,  
Complete, delivered to 2940 Jerry Barnhill Boulevard,  
Conway, South Carolina 29527.

Make: \_\_\_\_\_

Model: \_\_\_\_\_

Unit Price: \_\_\_\_\_

Extended Price: \_\_\_\_\_

Sales Tax: \_\_\_\_\_

Total: \_\_\_\_\_

2. Attach warranty information to include engine warranty.
3. Provide number of **WORKING DAYS** required for delivery of  
(3) Side Load Garbage truck complete and fully operational  
to the City of Conway's facility after award of proposal.

\_\_\_\_\_ **WORKING DAYS**

4. CERTIFICATION: The undersigned hereby certifies that this **proposal will be in effect for a period of 90 days following the proposal date.** Proposer further acknowledges that the City of Conway will not necessarily award proposal on proposal price only, but will compare individual units and all proposal information to determine the choice for meeting the overall objectives of the City of Conway. Proposers shall understand that all information requested in this specification package will be evaluated and contribute to the selection process.

\_\_\_\_\_  
Authorized Representative

\_\_\_\_\_  
Date:

**ORGANIZATION INFORMATION**

**BIDDING ORGANIZATION:**

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**ADDRESS (Mailing):**

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**ADDRESS (Street):**

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**PHONE:**

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**FAX:**

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**E-mail**

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**BIDDER'S FEDERAL  
IDENTIFICATION NO.**

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**SIGNATURE OF BIDDER'S  
REPRESENTATIVE:**

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**PRINT NAME:**

---

**TITLE:**

---

**DATE:**

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**CITY OF CONWAY  
SIDE LOAD RECYCLE TRUCK SPECIFICATIONS**

**MUNICIPAL REFUSE COLLECTION VEHICLE, HEAVY DUTY, SEMI-AUTOMATED SIDE LOADING,  
SINGLE AXLE TRUCK**

<b><u>CAB</u></b>	
Low Entry Floor Height for Easy Entry and Exit, 19" height in Truck	Meets _____ Exceeds _____
Cab Width not to exceed 96", No Diversion Cabs/Modify	Meets _____ Exceeds _____
Dual Cab , low entry both sides	Meets _____ Exceeds _____
<b><u>CAB EQUIPMENT</u></b>	
Cab must have Left and Right Hand Low Entry with LH Drive Only.	Meets _____ Exceeds _____
Doors Shall Be Bi-Fold	Meets _____ Exceeds _____
West Coast Mirrors	Meets _____ Exceeds _____
8" Convex Mirrors Mounted Under West Coast Mirrors	Meets _____ Exceeds _____
City Horns & Air Horns	Meets _____ Exceeds _____
Painted plastic grille to include bug screen	Meets _____ Exceeds _____
Full Instrumentation Package Including Transmission Temperature Gauge	Meets _____ Exceeds _____
Fire Extinguisher ABC mounted to the cab or body.	Meets _____ Exceeds _____
Factory Installed Air Conditioning with Integral Heater and Defroster	Meets _____ Exceeds _____
Engine Shut Down with Alarm	Meets _____ Exceeds _____
Left Hand/ Right Hand Folding Seats with Back Rests	Meets _____ Exceeds _____
Left Hand/Right Hand Driver Restraint Chains	Meets _____ Exceeds _____
Left Hand/Right Hand Interior Sun visors	Meets _____ Exceeds _____
Intermittent Windshield Wipers with Washer	Meets _____ Exceeds _____
Lap and Shoulder Belts	Meets _____ Exceeds _____
<b><u>ENGINE</u></b>	
325 HP @ 1400 – 1900 RPM, 1260 Ft. Lbs. Torque	Meets _____ Exceeds _____

5 Years or 250,000 miles Engine Warranty to include Turbo, Injectors, After Treatment System, Wiring & Sensors

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**ENGINE EQUIPMENT**

2 Stage Air Cleaner with safety element

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Heavy duty radiator and heater hoses - Long Life Coolant

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Heavy Duty Starter

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

DPF vertical LH Side BOC w/ SCR Vertical RH BOC

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Minimum of 6.6 Gallon DEF Tank

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

37.4 CFM Meritor

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Fuel / Water Separator

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Cummins exhaust brake integral with variable geometry turbo with dash mounted on/off switch

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**TRANSMISSION:**

Hot Shift PTO with Over Speed Protection

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Allison 3500 RDS 6 Speed

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Oil to Water Transmission Cooler

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Service Brake

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Heavy Duty Driveline

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Low Level Oil Sensor

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Automatic Neutral- Shifts to Neutral when Parking Brake is engaged

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**FRONT AXLE:**

Minimum Axle Rating 20,000 lbs.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Heavy Duty Shock Absorbers

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Heavy Duty Brake System

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Automatic Slack Adjusters

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Synthetic Lubricant

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_



Unitized Wheel Hubs – No Maintenance – Permanently Sealed	Meets_____ Exceeds_____
State Warranty	Meets_____ Exceeds_____
<b><u>REAR AXLE:</u></b>	
Heavy Duty Shock Absorbers	Meets_____ Exceeds_____
Synthetic Lubricant	Meets_____ Exceeds_____
Heavy Duty Brake System	Meets_____ Exceeds_____
Automatic Slack Adjusters	Meets_____ Exceeds_____
26,000 lbs. Rear Suspension, Dual Reduction Top Mounted Carrier w/ 4 Pinion Closed Differential	Meets_____ Exceeds_____
State Warranty for Axle and Suspension 5 Years or 250,000 Miles	Meets_____ Exceeds_____
<b><u>CHASSIS:</u></b>	
Cab to axle to be comply with body requirements	Meets_____ Exceeds_____
Minimum 70 U.S. Gallon Fuel Tank	Meets_____ Exceeds_____
Front and Rear Tow Hooks	Meets_____ Exceeds_____
Anti-Lock Air Brake System with Heated Air Dryer and Automatic Moisture Ejectors on All Tanks	Meets_____ Exceeds_____
Emergency Jump-Start Studs	Meets_____ Exceeds_____
Backup Alarm	Meets_____ Exceeds_____
<b><u>LIGHTING: All LIGHTS LED</u></b>	
LED Headlamps	Meets_____ Exceeds_____
Pre-Trip Inspection system	Meets_____ Exceeds_____
Transistorized Flashers	Meets_____ Exceeds_____
Daytime Running Lights	Meets_____ Exceeds_____
Auto Reset Circuit Breaker	Meets_____ Exceeds_____
<b><u>RADIO:</u></b>	
AM/FM Radio / Bluetooth, Weather Band	Meets_____ Exceeds_____
Power and Ground Studs for Additional Radio Mount	Meets_____ Exceeds_____

**TIRES:**

Front: 315/80/R22.5 20 PLY

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Rear: 11R22.5 14PLY

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**WHEELS:**

Front: 22.5 x 9.0 Steel Disc, Hub Piloted, Pre-Painted white

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Rear: 22.5 x 8.25 HD Steel Disc, Hub Piloted, Pre-Painted white

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**COLOR:**

Cab: White, Base Coat/Clear Coat - Chassis: Black

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**MISCELLANEOUS:**

On-line access to parts, service manuals, safety bulletins, recalls, electrical schematics at dealers’ expense for a period no shorter than 5 years

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Filter kit to include air, oil, fuel & hydraulic filters

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**Safety Camera System** – Third eye mobile vision cameras system with 7” flat screen

Color monitor in cab. Camera shall be equipped with night vision & audio & DVR

Recording device. Shall be equipped with three cameras: 1.) Hopper, 2) Rear View.

Rear view shall be active in reverse and Automatically switch to hopper view

otherwise,3) Mounted on passenger side mirror.

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**Towing is to be included on vehicle as long it is under warranty.**

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**STATE TOWING IN DETAIL**

## 27 CY SIDE LOADING REFUSE, SEMI-AUTOMATED, FULL EJECT COLLECTION BODY

### SCOPE:

The specification describes a truck mounted, hydraulic refuse packer. This machine must be equipped with loading mechanisms on both the curb and street sides of the material receiving hopper near the front of the body. Body must be designed so that optimum load distribution can be achieved when installed on a 46,000 G.V.W tandem axle truck cab and chassis. Body installation shall not require modification to a standard truck chassis for ward of the rear suspension. **(NO DROP FRAME)**

### BODY:

Capacity shall be a usable 27 cubic yards including tailgate. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Body length – 264”- (including bustle tailgate). Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Overall height above chassis – 102”- (bin in “down” position). Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Overall height above chassis – **MUST NOT EXCEED 112”**  
(bin in full “up” position) **NO EXCEPTIONS ALLOWED** Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Overall body width with loading buckets down- 102”. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

### CONSTRUCTION:

The body floor shall be constructed of ¼” HARDOX 450 steel plate Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

The body floor shall have 6” x 10.5 lbs./ft. structural channel long-members. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Body sides shall be curved shell style, eleven (11) gauge HARDOX 450 steel sheet. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Body roof shall be curved shell style, eleven (11) gauge HARDOX 450 steel sheet. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

All external welds shall be continuous. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

### TAILGATE:

Tailgate shall have a usable capacity of 6.3 cubic yards minimum. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Body tailgate shall be bustle type, top hinged, with heavy-duty hinges and tapered-pin plunger style locks. Pivots and lock pins must have grease fittings. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Tailgate shall be equipped with a flow control device to assure smooth, even operation. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Tailgate shall be constructed from 12 Gauge steel sheet and framed with formed steel channel. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Gate shall have a seal across the bottom and at least 17” up each side to control liquid leakage. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**OPERATION:**

For greater operational stability and safety, the tailgate shall be raised and lowered with two 2 1/2" bore x 28" stroke double acting hydraulic cylinders.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

All tailgate controls shall be located inside the truck cab within easy reach of the operator's position. I.E. tailgate operation shall not require exit of the cab by the driver. Controls shall be electric/air/hydraulic and spring returned to the "neutral" position.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Tailgate to lock and release hydraulically through the use of positive acting, tapered rod, plunger style locks.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Tailgate ajar and lock status warning light and alarm to be installed in the truck cab.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Safety prop for tailgate to be included.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

All exterior welds to be continuous.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**PACKER HOPPER**

**FUNCTION:**

The receiving hopper shall have 4.8 cubic yards' minimum capacity.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Hopper shall act as receiving chamber for materials dumped by the loading bins.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Hopper shall be configured so that both left and right side loading bins can be dumped at the same time without contact or interference with each other.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**CONSTRUCTION:**

Hopper floor to be constructed of 1/4" HARDOX 450 steel plate.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Hopper side walls to be 1/4" HARDOX 450 steel plate.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Hopper shall have a 1/4" HARDOX 450 overlay extending 18" past the packer stroke. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**COMPACTOR**

**FUNCTION:**

Compactor is to move the material dumped by the loading bins from the receiving hopper into the body chamber. Also, compactor is to compress the loaded material to such an extent that the vehicle is loaded to its' recommended capacity.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**OPERATION:**

Compactor to be powered by one (1), 6" bore x 84" stroke, single section, dual acting hydraulic cylinder.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Packer cycle shall be 42 seconds @ 1200 R.P.M.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

When fully extended, compactor must penetrate the body by 18" minimum.  
This aids compaction of the material and reduces fallback into the loading hopper. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Compactor shall displace 2.6 cubic yards /cycle minimum. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Compactor shall have "on-demand" style controls with locations in the truck cab and convenient to each loading bin. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Compactor stroke shall be automatically reversible through the use of high quality automotive grade switches sensitive to both position and pressure. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_  
Unit to be equipped with a "near-loaded" warning alarm to alert operator that body is approaching its' maximum capacity. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**CONSTRUCTION:**

Compactor to be guided by a floor mounted "T" track beam. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Both the "T" track beam and compactor guide shoes must be made of HARDOX 450 steel plate. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

The compactor shall be constructed of engineered steel sections and fully tested using state-of-the-art Finite Stress Analysis technology. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**LOADING DEVICE**

**FUNCTION:**

The loading device must provide top loading of materials into the receiving hopper. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

The loading height of the bin shall be approximately 40" (may vary with tire and frame options). Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Each lifting mechanism must be operated by one (1), 4" bore x 16" stroke, hydraulic cylinder with 1 ½" fluid cushions in both the rod and base ends. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Lift cycle time shall be approximately 10 seconds at engine idle. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

When in the full dump position, the bin dump angle must be 52 degrees minimum, measured from a horizontal line parallel to the ground. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

The loading bins must tilt 5 degrees during the lift cycle to control spillage. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

The loading bins must have "CHIP-GUARD" coating on the inside surface for easy clean-out during the dump cycle. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

The body to bin gap, (space between the loading bin and body sides) must not exceed two (2) inches during the dump cycle. This prevents overhead spillage and reduces the need for clean-up. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Bins shall be track guided by roller bearing type steel rollers and stabilized by two lift arms, one at each end.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Loading bin lifting mechanism operation must be smooth and non-binding, regardless of uneven bin loading.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Loading bin lifting capacity must be 2500 LBS. minimum with a 2 to 1 design safety factor.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Loading bin volume shall be one and one-half (1 1/2) cubic yard each.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Top opening of loading bins shall measure 72" x 24" minimum.

**Smaller openings are not acceptable.**

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**CONSTRUCTION:**

Loading bin lifting arms must be constructed of solid, high tensile steel plate, minimum allowable section modules for loading bin lift arms shall be 3.0 cubic inches. **Tubular load lifting components are not acceptable.**

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

All loading bin lift arm connecting pins shall be 1.25" minimum diameter with spring steel bushings and grease fittings.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Loading bins shall be constructed of 12 gauge COR-TEN steel sheet supported by a tubular steel frame. Ends of bins shall be 10 gauge COR-TEN steel sheet.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**CONTROLS:**

Controls for each loading mechanism shall be located immediately behind the chassis cab and convenient for operator access.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

The lift control valve shall be a three (3) position air directional valve.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**BODY UNLOADING**

**FUNCTION:**

Body payload to be offloaded by hydraulically powered horizontal ejection.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Ejector panel to be operated by two (2), 3" bore x 104" stroke, single section, double - acting hydraulic cylinders.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Ejector operation shall be sequenced so that panel will "extend" only when packer panel is in full "extend" position and tailgate is fully "up".

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Controls to be mounted convenient to operator's in-cab driving location.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**CONSTRUCTION:**

Ejector panel to have a structural steel tubular frame.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Panel guide tracks to be formed 3/16" steel plate.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Panel guide/cylinder enclosure tube shall be 5" x 7" x 3/16" structural

steel tube equipped with HARDOX 450 steel wear strips.  
Floor level wear pads must be HARDOX 450 steel plate.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**HYDRAULICS**

**PUMP:**

All body and lift functions shall be powered by a single-section gear type pump. This pump shall be powered by a transmission mounted “hot shift” power take off.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**CONTROL VALVE:**

The body and lift functions shall be controlled by a single stack type air activated directional hydraulic valve. All controls for the body and lift shall be air/hydraulic. This directional control valve shall be equipped with a reliable system pressure protection device.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

The maximum system operating pressure shall be 2500 P.S.I.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**HYDRAULIC RESERVOIR:**

The body shall be equipped with a hydraulic reservoir with a minimum capacity of thirty (30) gallons. This reservoir shall be equipped with a fill cap, breather, fluid level indicator and temperature gauge.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**FILTRATION AND SERVICE:**

System cleanliness and protection against contamination shall be accomplished through the use of the following devices.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**HIGH PRESSURE FILTER:**

All oil shall be routed through a 10 micron pressure line filter. This filter shall be installed between the hydraulic pump and the body control valve and properly sized so that 100% of the flow is filtered under normal operating conditions without bypass. Filter must be located so that all periodic service can be performed from ground level without the need for ladders or work-stands.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**IN-LINE SHUTOFF:**

For ease of service the suction line shall be equipped with a shutoff valve plumbed adjacent to the reservoir.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**SUCTION STRAINER:**

A 100-mesh oil strainer must be installed in the hydraulic system suction line. This strainer must be serviceable without draining the system reservoir.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**PLUMBING:**

All body and lift plumbing not requiring flexibility to complete its function must be constructed of seamless steel hydraulic tubing correctly sized for each operation. Plumbing requiring hoses shall be routed in such a way as to prevent rubbing, chafing and undue bending.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**IN-CAB CONTROLS:**

The following controls must be mounted inside the truck cab for safe and convenient operation.

Hydraulic system on/off switch.

Body tailgate control.

Body ejector control.

Work light and LED light switches.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**LIGHTS: ALL LIGHTS LED**

Standard lights shall be supplied in accordance with FMVSS#108.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

All body lights must be TRUCKLITE Model "SUPER 44" L.E.D. with SERIES 50 wiring harness.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Both street side and curbside loading locations must have work lights.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**ACCESSORIES:**

Federal under-ride bumper shall be installed.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Tailgate safety prop shall be provided.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Body "up" and tailgate "unlock" alarm shall be provided.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Back up alarm shall be provided.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Both body and hopper shall have access doors on each side for cleaning behind the packer and ejector panels.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Doors must be sealed when closed.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**PAINTING PROCEDURES:**

The body and lift shall be free of all weld slag, dirt and grease and be prepared prior to painting in accordance with the paint manufacturers specifications.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Body and loading mechanism shall receive at least one coat of primer and one finish coat of polyurethane enamel. Primer shall be approved for use with the finish coat material.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**WARRANTY:**

A minimum one-year warranty against manufacturing defects shall be provided by the manufacturer.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**CART ATTACHMENT (optional):**

Dumping attachment for 30-100 gallon containers.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_



Semi-automated container attachments must be equipped with positive lock, automatic container latches. These latches must be linkage actuated by the lower bin lift arm and must require no action by the operator other than bin control lever operation. In order to prevent possible container damage, the container latches must automatically engage the container lower bar after the container is well clear of the ground or curb on the bin “up” cycle and automatically release well before the container reaches the ground or curb on the bin “down” cycle. Attachment of semi-automated carts to the container attachment shall not require tipping of the container or opening of the container lid for proper engagement. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Fire extinguisher 20lb. ABC mounted on the outside of body. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**MFG. Body Service:**

Must have available road services technicians, who can travel to the City of Conway to handle repairs w/warranty work and other repair items. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Please list how many service technicians are known to cover coastal SC Area. \_\_\_\_\_ Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Please list where the closest service and parts stocking facility is and distance to Conway.  
\_\_\_\_\_  
miles from Conway. \_\_\_\_\_ Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Paint: Body - GC55857-00-B - City of Conway Forest Green Color Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Please attached a user’s list showing at least 10 customers running this same body model bid from the last 10 years. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**Towing Included on all warranty work.** Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**SIDE LOAD RECYCLE TRUCK  
PROPOSAL SUBMITTAL FORM**

1. PROPOSAL PRICE: One unit as herein Described: cab: white, body: Forest green, complete, delivered to 2940 Jerry Barnhill Blvd., Conway, South Carolina 29527

Make: \_\_\_\_\_

Model: \_\_\_\_\_

Unit Price: \_\_\_\_\_

Sales Tax: \_\_\_\_\_

Total: \_\_\_\_\_

2. Attach warranty information to include engine warranty.

Provide number of **WORKING DAYS** required for delivery of the Side Load Recycle Truck complete and fully operational to the City of Conway's facility after award of proposal.

\_\_\_\_\_  
**WORKING DAYS**

3. CERTIFICATION: The undersigned hereby certifies that this **proposal will be in effect for a period of 90 days following the proposal date.** Proposer further acknowledges that the City of Conway will not necessarily award proposal on proposal price only, but will compare individual units and all proposal information to determine the choice for meeting the overall objectives of the City of Conway. Proposers shall understand that all information requested in this specification package will be evaluated and contribute to the selection process.

\_\_\_\_\_

**ORGANIZATION INFORMATION**

**BIDDING ORGANIZATION:**

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**ADDRESS (Mailing):**

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**ADDRESS (Street):**

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**PHONE:**

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**FAX:**

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**E-mail**

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**BIDDER'S FEDERAL  
IDENTIFICATION NO.**

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**SIGNATURE OF BIDDER'S  
REPRESENTATIVE:**

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**PRINT NAME:**

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**TITLE:**

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**DATE:**

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**FRONT LOAD GARBAGE TRUCK  
SPECIFICATIONS**

**CHASSIS IDENTITY:**      **MAKE:** \_\_\_\_\_  
                                   **MODEL:** \_\_\_\_\_  
                                   **YEAR:** \_\_\_\_\_

**CAB & CHASSIS:**

Configuration:	Cab Over-Tilt with steerable drop third axle	Meets_____ Exceeds_____
GVWR:	Minimum 66,000 pounds	Meets_____ Exceeds_____
Front Axle:	Minimum 20,000 lbs front axle	Meets_____ Exceeds_____
Rear Axle:	Minimum 46,000 lbs rear wheel 5 Years or 250,000 miles Engine Warranty	Meets_____ Exceeds_____
Gear Road Speed:	Minimum 65mph	Meets_____ Exceeds_____
Brakes:	Full air brake system with automatic slack adjuster, front and rear "S" cam	Meets_____ Exceeds_____
Brake Drum:	Front and Rear-Cast Outboard	Meets_____ Exceeds_____
Air Brakes:	Air Dryer, heated	Meets_____ Exceeds_____
Slack Adjuster:	Automatic	Meets_____ Exceeds_____
Wheels:	22.5-10 -hole hub piloted steel disc-all-wheels	Meets_____ Exceeds_____
Tires:	Front-385/80R 22.5 Michelin (20 PLY Rating)	Meets_____ Exceeds_____
Drop Third Axle Tires:	Rear-11R 22.5 Michelin Waste Haul Lug (16 Ply Rating)  255/70R22.5 lift axle tires (Mounted by Body Manufacturer)	Meets_____ Exceeds_____
Steering:	Power steering	Meets_____ Exceeds_____
Exhaust:	Vertical mounted	Meets_____ Exceeds_____
Skid Plate:	Mounted under Front Bumper & Radiator	Meets_____ Exceeds_____
Fuel Tank:	Minimum 70 gallons RH	Meets_____ Exceeds_____

DEF Tank:	Minimum of 6 gallons	Meets_____ Exceeds_____
Batteries:	Minimum 1950 CCA	Meets_____ Exceeds_____
Disconnect Switch:	Flaming Rivers Industries "Big Switch" wired on Positive side or equal.	Meets_____ Exceeds_____
Alternator:	12 volt 130 AMP	Meets_____ Exceeds_____
Starter:	12 volts electric	Meets_____ Exceeds_____
Gauges:	Speedometer (w/trip), tachometer (w/hour meter) oil pressure, fuel, water temperature	Meets_____ Exceeds_____
Horn:	Single air horn (mounted under Cab)	Meets_____ Exceeds_____
Engine	Alarm System: Engine alarm system with lights and buzzer	Meets_____ Exceeds_____
Seats:	Driver's – Mid Back, air suspension, Color - Black	Meets_____ Exceeds_____
	Passenger's – fixed Color - Black	Meets_____ Exceeds_____
Air Condition/Heater:	Factory installed air conditioning	Meets_____ Exceeds_____
Windshield Wipers:	2 speed electric with delay	Meets_____ Exceeds_____
Radio:	AM/FM Radio with two speakers mounted behind seats at rear top panel corners	Meets_____ Exceeds_____
Mirrors:	West coast mirrors-bright finish RH & LH 8" Convex mirrors mounted to west coast mirrors RH & LH, Heated	Meets_____ Exceeds_____
Lights:	LED Lights: that meet all applicable State & Federal Regulations	Meets_____ Exceeds_____
Towing Device:	Front Mount-Pin, Rear Mount-Hooks	Meets_____ Exceeds_____
Transmission:	6 speed automatic Allison - 4500RDS-6 Speed (Oil level sensor & Oil temperature gauge required)	Meets_____ Exceeds_____
	With Extended Warranty Info:	Meets_____ Exceeds_____

Engine: Minimum 325 HP, 11 Liter, EPA10/CARB  
 Engine brake included  
 Provide detailed Engine Specifications  
 5 Years or 250,000 miles Engine Warranty to include Turbo,  
 Injectors, After Treatment System, Wiring & Sensors. Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Roof Access: Cab front ladder and anti-skid roof surface Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Paint Color: Cab: White  
 Chassis: Black Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Manuals: Two (2) Complete Custom sets of Mechanic Service  
 Manuals and Parts Manuals for mechanical use:  
**(made specifically for the truck and body being sold  
 to The City of Conway.)** Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Two (2) Complete custom sets of wiring diagrams  
 for all Electrical switches, Solenoids, Lights etc.  
 (made specifically for the truck &  
 body being sold to The City of Conway.)  
**Towing is to be included as long as warranty is on vehicle.  
 (NO EXCEPTIONS).** Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**Automatic Radio Shutoff in Reverse:** Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**Location of Dealership/ Warranty Work/Parts:**

a. Give Physical address for Dealership: \_\_\_\_\_  
 \_\_\_\_\_

b. Give Address for Parts: \_\_\_\_\_  
 \_\_\_\_\_

c. Can parts be dropped shipped from Manuf. to City of Conway YES \_\_\_\_\_ NO \_\_\_\_\_

d. Where will any warranty work be performed, if not at the City of Conway  
 Provide address if different from above a. or b.  
 \_\_\_\_\_

**BODY:**

**CONFIGURATION:**

Front load garbage truck – 40 -yard capacity with a full eject body

Exact Specifications:

Must be filled out by Proposer to qualify

Equipment Identity:

Make: \_\_\_\_\_

Year: \_\_\_\_\_

Model: \_\_\_\_\_

**CONSTRUCTION:**

Body shall be formed using continuous Welds

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Side panels to be 10 gauge 80,000 PSI

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Rear section of floor shall be a minimum of 3/16" abrasion resistant steel

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Front floor section shall be a minimum of ¼" abrasion resistant steel

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**HOPPER:**

Front loading hopper shall be a minimum size of 12 cubic yards

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Hopper opening shall be a minimum size to accommodate standard 1-10 yard containers

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

A sliding hydraulic actuated top hopper door shall be provided to prevent refuse from blowing out of the hopper (controls located in cab)

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Clean out doors to be on each side of the body located at front of body next to cab

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Hopper side access door must have a ladder mounted on the side of body for easy access

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Hopper floor must be equipped with ¼" 100k Steel, replaceable wear strips

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**TAILGATE:**

A rounded "bubble type" tailgate shall be provided with a water tight seal. Seal shall cover the bottom and up 24" on both sides of the tailgate eliminating leakage

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Tailgate shall be secured by a hydraulic mechanical lock system that engages at 4 points w/controls in cab.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Sides and end shall be constructed using 10 gauge hi-tensile steel.

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**ARMS:**

Lift arms to be bolt on one- piece full welded steel construction which rotates on a torque tube measuring ½" thick by 5" in diameter

Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Four sets of 5" X 2 ¼" bronze torque tube split bearing shall be used to ensure stability and shall have grease fittings	Meets _____ Exceeds _____
Arms shall have a minimum rated lifting capacity of 10,000 lbs.	Meets _____ Exceeds _____
Arms shall be designed to operate clear of the truck cab doors at all times, permitting opening of cab doors at any time during the dumping cycle	Meets _____ Exceeds _____
Arms are to be a minimum of ¼" high tensile Steel and 1" x 2.5" steel flat bar reinforced with internal ribs made of ¼" high tensile steel.	Meets _____ Exceeds _____
Forks shall be 1 ½" T-1 steel with a length of 56" from cross bar to tip of forks	Meets _____ Exceeds _____
The tilt forks tube shall be constructed of 4" Diam., ¾" thickness high tensile steel tubing.	Meets _____ Exceeds _____
<b><u>PACKING &amp; EJECTION PLATE:</u></b>	
Body shall have a hydraulically actuated packer blade which will travel the entire length of the body and hydraulically return to the front of the body.	Meets _____ Exceeds _____
Packing panel will travel using steel guide shoes	Meets _____ Exceeds _____
Packer tracks shall be constructed of 6" steel Channel with steel wear plates designed for replacing without removing packing panel	Meets _____ Exceeds _____
Upper plate shall be a minimum of 11 gauge 80,000PSI high tensile steel reinforced with formed channel braces constructed from 3/8" high tensile steel.	Meets _____ Exceeds _____
It shall be curved shape.	Meets _____ Exceeds _____
Lower plate shall be a minimum of ¼" 100,000 PSI high tensile steel reinforced with formed channel braces constructed from 3/16" high tensile steel	Meets _____ Exceeds _____
<b><u>HYDRAULIC SYSTEM:</u></b>	
Working hydraulic pressure must be provided front mounted pump driven by the engine crankshaft (Front Mount PTO – NOTE: Truck shall be equipped with crankshaft flange)	Meets _____ Exceeds _____
Minimum requirements Commercial Intertech P75 gear pump with over speed protection	Meets _____ Exceeds _____
Maximum operating pressure 2500 PSI	Meets _____ Exceeds _____
Minimum 60 gallons Reservoir to include shutoff gate valve, sight gauge, clean out cover, filler breather cap, magnetic trap and internal baffling.	Meets _____ Exceeds _____
Any hose under 1" shall be a 2 braid hose	Meets _____ Exceeds _____



Any hose over 1" shall be a 4 braid hose Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**FILTERS:**

Hydraulic Filters - Donaldson Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Spin on type for ease of maintenance, both Return and Suction line. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**CYLINDERS:**

All cylinders shall be manufactured with hard chrome plated rods, hardened steel bushings and buttress threads Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Packer eject – Two 3 stage double acting telescopic cylinders 5 ½" bore Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Arms two double acting cylinders 5" bore Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Forks two double acting cylinders 4" bore Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Top Door one double acting cylinder 2.5" bore Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Tailgate two double acting cylinder 3" bore Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**CONTROLS:**

All of the controls shall be air operated and located inside of cab mounted to the right of the operator. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Boom and fork controls to be 4-way "joy stick" auto pack included Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

The automatic pack cycle shall allow the operator to initiate a pack cycle and the packer plate will complete a full cycle. The operator/driver will be able to stop the packer plate at any point in its cycle. Each complete cycle must be reinitiated by the operator. Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Cable controls not be accepted Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Interior control box wires shall be color coded to correspond with owner's manual Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

**LIGHTS:**

The body shall be equipped with all lights necessary to meet state and federal regulations and shall be waterproof, shock mounted type Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Lights on tailgate shall be recessed and sealed for maximum protection through normal operation – **LED Light Package.** Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

LED strobe light installed and wired to the ignition Meets \_\_\_\_\_ Exceeds \_\_\_\_\_

Peterson or equal rear warning strobe light system, multifunction LED self-cancelling strobes.	Meets _____ Exceeds _____
Led Work / Flood lights, three (3) – (2) mounted behind cab underneath canopy – one (1) on top of canopy on driver’s side, control switches to be located inside cab clearly marked	Meets _____ Exceeds _____
Two (2) Led work lights mounted on the back- one on each side control witch in the cab to be clearly marked – lights come on when truck goes in reverse	Meets _____ Exceeds _____
Two Led work lights trapezoidal lights mounted on rear side behind axle lights come on when truck goes in reverse	Meets _____ Exceeds _____
<b>ALL LIGHTS, LED</b>	Meets _____ Exceeds _____
<b><u>MISCELLANEOUS REQUIREMENTS:</u></b>	
Body shall be mounted on the cab & chassis which shall be compatible with the body in terms of proper length, frame clearance, and proper weight distribution allowed on front and rear axles. Frame shall not be altered in any manner other than approved by the cab & chassis dealer	Meets _____ Exceeds _____
An electronic back-up warning alarm to meet OSHA standards shall be provided	Meets _____ Exceeds _____
A body ladder mounted on the curb side or back gate for access to top of body	Meets _____ Exceeds _____
Packer body comes with a 1- year warranty	Meets _____ Exceeds _____
Hydraulic pump and valves come with 1 -year warranty	Meets _____ Exceeds _____
Hydraulic Cylinders come with a 5 -year warranty	Meets _____ Exceeds _____
Warranty to include parts and labor.	Meets _____ Exceeds _____
A full inverted canopy over the cab is provided, Canopy to come to the edge of windshield	Meets _____ Exceeds _____
Canopy shall be hinged to allow for tilt cab. Canopy hinged section shall be powered via Hydraulic, or pneumatic system with control at Ground level.	Meets _____ Exceeds _____
Body parts primed prior to assembly	Meets _____ Exceeds _____
Toolbox, Steel, water tight mounted on chassis frame rail: 18x18x36”	Meets _____ Exceeds _____
Mud flaps mounted behind front steer axle and behind 2nd rear axle	Meets _____ Exceeds _____
Fire extinguisher 20 lb. ABC mounted on the outside of body	Meets _____ Exceeds _____

Reflective tape for safety along back and side of truck and body, reflective tape red and white as used for D.O.T NHTSA

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Reflective yellow tape across tailgate.

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

Reflective Triangle breakdown kit included

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**SAFETY CAMERA SYSTEM:**

Third eye mobile vision camera system with 7” flat screen color monitor in cab.

Camera shall be equipped with night vision & audio & DVR recording device.

Shall be equipped with three cameras: 1) Hopper, 2) Rear View. Rear View shall be active in reverse and Automatically switch to hopper view otherwise.

3) Mounted on passenger side mirror.

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**3RD LIFT AXLE**

Drop 3rd Axle w/tires 255/70R22.5 Waste Haul Lugs and Rims to be mounted by body mfg. Should be Hendrickson. Steerable or equal single axle. Must include wheels & tires.

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**MANUALS:**

Two complete custom sets of Mechanic service manuals and part manuals for the body mounted on the truck for mechanical use (made specifically for the truck and body sold to the City of Conway) **NO EXCEPTION**

Two (2) complete custom sets of **SCHEMATICS** for all electrical for the truck and body being sold to the City of Conway.

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**MFG BODY SERVICE:**

Must have available road service technicians who can travel to the City of Conway to Handle repairs w/warranty work and other repair items. Towing to be included as long as vehicle is under warranty.

Please List number of service techs covering SC coastal area:

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**PAINT:**

Cab – White

Body – Forest green, City of Conway Green # GC 55857-00-B

Meets\_\_\_\_\_ Exceeds\_\_\_\_\_

**FRONT LOAD GARBAGE TRUCK  
PROPOSAL SUBMITTAL FORM**

1. PROPOSAL PRICE: One unit as herein Described, cab: white, body: Forest green, Complete, delivered to 2940 Jerry Barnhill Boulevard, Conway, South Carolina 29527.

Make: \_\_\_\_\_

Model: \_\_\_\_\_

Unit Price: \_\_\_\_\_

Extended Price: \_\_\_\_\_

Sales Tax: \_\_\_\_\_

Total: \_\_\_\_\_

2. Attach warranty information to include engine warranty.
3. Provide number of **WORKING DAYS** required for delivery of (1) One Front Load Garbage truck complete and fully operational to the City of Conway's facility after award of proposal.

\_\_\_\_\_ **WORKING DAYS**

4. CERTIFICATION: The undersigned hereby certifies that this **proposal will be in effect for a period of 90 days following the proposal date.** Proposer further acknowledges that the City of Conway will not necessarily award proposal on proposal price only, but will compare individual units and all proposal information to determine the choice for meeting the overall objectives of the City of Conway. Proposers shall understand that all information requested in this specification package will be evaluated and contribute to the selection process.

\_\_\_\_\_  
Authorized Representative

\_\_\_\_\_  
Date:

**ORGANIZATION INFORMATION**

**BIDDING ORGANIZATION:**

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**ADDRESS (Mailing):**

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**ADDRESS (Street):**

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**PHONE:**

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**FAX:**

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**E-mail**

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**BIDDER'S FEDERAL  
IDENTIFICATION NO.**

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**SIGNATURE OF BIDDER'S  
REPRESENTATIVE:**

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**PRINT NAME:**

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**TITLE:**

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**DATE:**

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