

**BID SPECIFICATIONS
FOR
25 CY GARBAGE TRUCK OPTION B
T800 AND COBRA 25L
\$202,670.00 (INCLUDING OPTIONS) TIER 4**

GENERAL

These specifications shall be construed as the minimum acceptable standards for a heavy duty truck chassis to be used with a 25 yard rear loading refuse body. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the unit offered for bid shall include all standard manufacturer's equipment. All units must be of manufacturer's current production model and shall meet all EPA US07 emission and other applicable standards at the time of manufacture and include the appropriate diesel particulate filter exhaust after treatment system. Units offered meeting EPA US04 will not be accepted.

BID SUBMITTAL FORM

Each bidder must submit his or her bid on the Bid Submittal Form included in the invitation to bid package. All written warranties to be submitted shall be attached to the Bid Submittal Form.

MANUALS

Each unit shall be provided with one (1) copy of the operator's manual.

REPLACEMENT PARTS

Parts must be available for 5 years or 500,000 miles of use for the piece of equipment bid.

WARRANTY

Engine warranty shall be 5 years or 500,000 miles
Transmission warranty shall be 5 years or unlimited miles
Rear-End warranty shall be 5 years or unlimited miles

Yes ___ No ___
Page # ____
Or
Attachment_____

DOT AND INSPECTION

Prior to delivery, the unit(s) shall be inspected and delivered with a DOT inspection report and decal. In addition, the unit(s) should be equipped with the required fire extinguisher and reflective safety triangles.

Yes ___ No ___
Page # ____

ENGINE AND RELATED COMPONENTS

Shall be in line 6 design 15 liter, overhead cam, turbo charged diesel capable of developing 400 HP @ 1800 RPM with a torque rating of 1,450 lb/ft @ 1100 RPM

Yes ___ No ___
Page # ____

Engine shall have full wet replaceable cylinder liners. Fuel injection system to be equipped with a unit pump or unit injector style.

Yes ___ No ___
Page # ____

Air intake system shall have a single dry element with a restriction indicator. Yes ___ No ___
Page # _____

Engine to have CARB Idle Emissions Reduction Feature Yes ___ No ___
Page # _____

Turbo shall flow through a chassis mounted charge air cooler. Engine cooling system to have a minimum 1,440 square inch frontal area aluminum core radiator with silicone hoses throughout and coolant protection to -10 degrees F. Yes ___ No ___
Page # _____

Fan drive to have a serpentine belt with automatic tension control Yes ___ No ___
Page # _____

Exhaust to be single vertical tailpipe with diesel particulate filter and SCR catalyst mounted on the passenger side under cab with aluminum cover and heat shield on vertical tailpipe. Yes ___ No ___
Page # _____

Factory installed integral Engine Brake Yes ___ No ___
Page # _____

Engine Electronics to have full diagnostic capability and feature cruise control, road speed limiting and shutdown capabilities for critical engine functions. Yes ___ No ___
Page # _____

STARTING AND ELECTRICAL SYSTEM Yes ___ No ___
12 volt system with fuse/circuit breaker protection Page # _____

12 volt gear reduction starter, 12 volt 160 amp alternator Yes ___ No ___
Page # _____

2 12 volt maintenance free group 31 batteries with 1000 cold cranking amps each. Batteries to be mounted in a single steel box with diamond plate aluminum cover with integral steps; mounted under LH door. Yes ___ No ___
Page # _____

Two batteries disconnect switches (positive and negative) Yes ___ No ___

Page # _____

TRANSMISSION AND DRIVELINES

Allison 4500RDS 6 (six) speed automatic over drive Rugged Duty Series Gen 4 with:

Yes ___ No ___

Page # _____

External Transmission cooler

Yes ___ No ___

Page # _____

Internal filter

Yes ___ No ___

Page # _____

Oil level sensor

Yes ___ No ___

Page # _____

Temperature gauge

Yes ___ No ___

Page # _____

Aluminum bell housing

Yes ___ No ___

Page # _____

Allison transmission to be factory filled with *TRANSYND* synthetic lubricant

Yes ___ No ___

Page # _____

Allison transmission low gear ratio = 4.70

Yes ___ No ___

Page # _____

Transmission high gear = .67 over drive

Yes ___ No ___

Page # _____

Main driveline Spicer 1810HD with coated splines/inter axle driveline 1710 with coated splines or equal.

Yes ___ No ___
Page # _____

CAB EXTERIOR

Cab to be Class 8 designed for construction and vocational applications. Aluminum and composite construction for corrosion resistance. Huck bolted construction for strength.

Yes ___ No ___
Page # _____

Cab doors must be mounted with full length piano style hinges for durability and have high visibility roll up style windows.

Yes ___ No ___
Page # _____

Cab to be air suspended on dual air bags

Yes ___ No ___
Page # _____

Cab should feature dual air horns one on each side of cab in addition to:

Yes ___ No ___
Page # _____

Standard electric city horn

Yes ___ No ___
Page # _____

Chrome rectangular style LED marker lights

Yes ___ No ___
Page # _____

Bright finish heated West Coast mirrors with 8" convex mirrors mounted below the West Coast mirrors.

Yes ___ No ___
Page # _____

CAB INTERIOR

Cab interior to include the following:

Ash tray

Yes ___ No ___
Page # _____

Cigar lighter

Yes ___ No ___
Page # _____

Coat hook(s)	Yes ___ No ___ Page # _____
Storage trays on back wall of cab and in overhead console	Yes ___ No ___ Page # _____
Dome light(s)	Yes ___ No ___ Page # _____
Cab interior is to be standard level	Yes ___ No ___ Page # _____
Cab should have interior sun visors on both sides of cab.	Yes ___ No ___ Page # _____
Cab floor should be covered with black polyurethane mat.	Yes ___ No ___ Page # _____
Dash features to include: Center mount console with cup holders	Yes ___ No ___ Page # _____
Full adjusting tilt and telescopic steering column	Yes ___ No ___ Page # _____
Air pressure gauge	Yes ___ No ___ Page # _____
Voltmeter	Yes ___ No ___ Page # _____
Fuel level gauge	Yes ___ No ___ Page # _____
Engine oil pressure gauge	Yes ___ No ___ Page # _____
Engine coolant temperature gauge	Yes ___ No ___ Page # _____
Low air pressure indicator with light and audible signal	Yes ___ No ___ Page # _____

Speedometer with odometer and trip odometer

Yes ___ No ___
Page # _____

Tachometer with hour meter

Yes ___ No ___
Page # _____

Transmission oil temperature gauge

Yes ___ No ___
Page # _____

High beam indicator and park brake indicator

Yes ___ No ___
Page # _____

Cab seats should be:

Driver Bostrom 915 Mid Back air ride

Yes ___ No ___
Page # _____

Passenger seat to be 2 man fixed design

Yes ___ No ___
Page # _____

Both seats to have required lap and shoulder belts

Yes ___ No ___
Page # _____

Factory installed integral air conditioning with R134A refrigerant and rotary type air conditioner compressor.

Yes ___ No ___
Page # _____

AM/FM/CD radio, two-way radio power leads with mounting plate on top of dash and factory installed C.B. antenna.

Yes ___ No ___
Page # _____

Two additional dash mounted power outlets to be furnished.

Yes ___ No ___
Page # _____

Windshield wipers to be two (2) speed electric with washer and intermittent feature.

Yes ___ No ___
Page # _____

AIR BRAKES

Brake system to be antilock design with automatic traction control with dash mounted switch.

Yes ___ No ___
Page # _____

Air compressor should have 18.7CFM capacity.

Yes ___ No ___
Page # _____

System to include an in cab control valve for rear service brakes.

Yes ___ No ___
Page # _____

Bendix "System Guard" AD-9 heated dryer.

Yes ___ No ___
Page # _____

FRAME/BUMPER/FUEL TANKS

Steel 120,000 PSI frame rails 11.81" x 3.54 x 0.44" with a section modulus of 23.5 and a RBM per rail of 2,820,000.

Yes ___ No ___
Page # _____

Adequate wheelbase to provide a usable 156" cab to axle dimension.

Yes ___ No ___
Page # _____

Heavy duty back to back channel cross members with huck bolt fasteners throughout.

Yes ___ No ___
Page # _____

Front bumper painted steel swept back with right and left hand bumper recessed tow hooks.

Yes ___ No ___
Page # _____

Fuel tank(s) to be steel with a minimum of 115 gallon capacity.

Yes ___ No ___
Page # _____

FRONT AXLE

18,000 Reverse Elliot design steel I beam axle with 18,000# multi leaf Suspension

Yes ___ No ___
Page # _____

18,000# integral power steering

Yes ___ No ___
Page # _____

Shock absorbers

Yes ___ No ___
Page # _____

Maximum of 34.5 spring centers.

Yes ___ No ___
Page # _____

SET BACK front axle position only.

Yes ___ No ___
Page # _____

Unitized sealed (maintenance free) front wheel hubs.

Yes ___ No ___
Page # _____

Sealed tapered king pins and bearings.

Yes ___ No ___
Page # _____

Meritor "S" cam design 16.5" x 6" Q+ brakes with:
Outboard mounted drums

Yes ___ No ___
Page # _____

Dust shields

Yes ___ No ___
Page # _____

Automatic slack adjusters

Yes ___ No ___
Page # _____

Front wheels to be steel ten (10) hole bud style, hub piloted 22.5"
x 12.25".

Yes ___ No ___
Page # _____

Front tires to be 18 ply 385/65R22.5 radials.

Yes ___ No ___
Page # _____

REAR AXLE

44,000# capacity (4.64) ratio double reduction design tandem rear axle with
44,000# multi leaf rear suspension with anti sway springs, transverse torque rod
and bronze center bushings.

Yes ___ No ___
Page # _____

Power divider will be automatically controlled through the traction
control feature.

Yes ___ No ___
Page # _____

Meritor "S" cam design 16.5" x 7" Q+ brakes with:
Outboard drums

Yes ___ No ___
Page # _____

Dust shields

Yes ___ No ___
Page # _____

Automatic slack adjusters

Yes ___ No ___
Page # _____

Brake chambers shall be (4) 30/30 style chambers with raised chambers on rear axle.

Yes ___ No ___
Page # _____

Steel ten (10) hole bud style, hub piloted 24.5 x 8.25 rear wheels.

Yes ___ No ___
Page # _____

Rear tires to be 11R24.5 14 ply traction radials.

Yes ___ No ___
Page # _____

Mud flaps.

Yes ___ No ___
Page # _____

REAR LOADER

Must have each of the following:

Minimum 25 Cubic Yard capacity, excluding the hopper

Yes ___ No ___
Page # _____

Minimum 3.60 Cubic Yard Hopper

Yes ___ No ___
Page # _____

Minimum: 1000 Pounds Per Cubic Yard Compaction

Yes ___ No ___
Page # _____

21 Second Cycle Time or Faster

Yes ___ No ___
Page # _____

Maximum: 2500 PSI Operating Pressure

Yes ___ No ___
Page # _____

Yes ___ No ___
Page # _____

Maximum: 15,900 Lbs Gross Weight of Body

Yes ___ No ___
Page # _____

Positive type manually activated ejector panel and tailgate raise controls mounted on the street side front end of the packer body

Yes ___ No ___
Page # _____

Minimum 2-year warranty for hydraulic pump and valves

Yes ___ No ___
Page # _____

Minimum 5-year warranty for hydraulic cylinders

Yes ___ No ___
Page # _____

OPTIONS

Bid must include the cost for each of the following options, itemized separately on the bid:

Cart Tipper(s) – Device(s) capable of dumping one or two 95-gallon carts simultaneously shall be attached to the rear of the tailgate. All associated hydraulic components shall be supplied.

Yes ___ No ___
Page # _____

Container Handling Device -- Overhead Cylinder Actuated Container Handling Device – A container handling device mounted on the roof of the body. The device shall be capable of engaging, raising, discharging, lowering and disengaging standard rear loader metal containers up to a 10 cubic yard capacity. The device shall be actuated by a hydraulic cylinder with cable. The device shall have a 14,000 lb. lift capacity.

Yes ___ No ___
Page # _____

Strobe Lights – Four (4) Minimum -- Two strobe lights to be mounted on the upper half of the tailgate that emits a visual, intermittent signal. Two shall be mounted on the front of the body. The lights shall be LED oval strobes flush mounted to body. The lights shall be actuated manually by a switch located inside the cab of the chassis. Front and rear strobe lights are to be on separate circuits and protected by limb guards.

Yes ___ No ___
Page # _____

Rear Vision System – A rear vision camera installed with a 7" monitor mounted in the cab.

Yes ___ No ___
Page # _____

An extended power train warranty that covers an additional two (2) years or an additional 2400 hours, whichever occurs first.

Yes ___ No ___
Page # _____

Two years of filters based on 1200 hours per year use (truck).

Yes ___ No ___
Page # _____

NOTE: Award will be made on the basis of the total cost of the machine with all options included. However, a county may, at its discretion, deduct one or more of the above-referenced options from the machine, and in such event, the cost of the option as stated on the bid shall be deducted from the total cost of the machine. There shall be no other deductions and no additions made to the machine by the purchasing county or by the vendor.

OPTION COST SHEET FOR 25 CY GARBAGE TRUCK OPTION B –TIER 4

Option	Option Price
One Cart Tipper as in bid specifications	<u>\$3,373.00</u>
Two Cart Tippers as in bid specifications	<u>\$7,485.00</u>
Container Handling Device as in bid specifications	<u>\$3,645.00</u>
Strobe Lights as in bid specifications	<u>\$592.00</u>
Rear Vision System as in bid specifications	<u>\$210.00</u>
Extended warranty	<u>\$7,125.00</u>
Engine warranty	<u>\$ 3,600.00 ENGINE ,AFTER TREATMENT \$1,450.00</u>
Rear axle warranty	<u>\$1,250.00</u>
Transmission warranty	<u>\$825.00</u>
Two years filters (truck)	<u>\$1,300.00</u>

NOTE: Award will be made on the basis of the total cost of the machine with all options included. However, a county may, at its discretion, deduct one or more of the above-referenced options from the machine, and in such event, the cost of the option as stated on the bid shall be deducted from the total cost of the machine. There shall be no other deductions and no additions made to the machine by the purchasing county or by the vendor.

COUNTY JOINT BID PROGRAM PURCHASE PROCEDURES

Effective January 1, 2008

All purchases by counties pursuant to the County Joint Bid Program shall be made by (1) mailing or faxing the appropriate Purchase Order to the vendor who has been awarded the contract for the item to be ordered and (2) faxing a copy of the Purchase Order to the Association of County Commissions of Alabama (ACCA) office at 334-263-7678. Purchase Order Forms and all necessary information regarding the vendor and items available can be obtained at the ACCA website (www.alabamacounties.org).

Each purchase order shall be signed by the person authorized by the county to sign and shall include the County Joint Bid Program Item Number. A copy of the form submitted shall be retained by the county.

The county shall deal directly with the company representative for the vendor in making purchases under this program. The vendor shall complete all orders in compliance with its agreement under the program, and shall deal directly with each county in processing and completing their orders and in complying with service and warranty requirements. Road sign vendors should keep in mind that they are required to deliver all items to the location identified by the county ordering them within thirty (30) calendar days from the date of order, and the cost of any items not delivered within this time period will be reduced in price by 10%.

It is important to remember that under Code of Alabama 1975, § 41-16-50(b), all purchases made pursuant to this program shall be subject to the terms and conditions of Alabama's Competitive Bid Law. Therefore, counties are only authorized to purchase the specific items awarded under the program according to the bid specifications and must comply with these procedures in placing all orders.

There can be no deletions or additions to items purchased under this program, except as specifically provided for in the bid specifications. Optional equipment authorized under the bid specifications on certain heavy equipment orders may be deleted by the county at the time of purchase, and in that event, the cost of that item as provided by the vendor shall be deducted from the total cost of the item.

**COUNTY JOINT BID PROGRAM
ROAD SIGN PURCHASE ORDER FORM
25 CY GARBAGE TRUCK OPTION B TIER 4**
*This form must be mailed or faxed to the Vendor with
Copy faxed to the ACCA Office at 334-263-7678*

Date of Order: _____ County Purchase Order No. _____

County: _____ County Contact Person: _____

County Address: _____

County Phone Number: _____

County Fax Number: _____

E-mail Address: _____

Equipment Model or Item Name and Number: T800 and Cobra 25L

County Joint Bid Program Item Number: _____

Item Name and Number: _____

Number of items ordered: _____ Price per item: _____

Vendor: Kenworth of Montgomery Company Contact: Mike Henderson

Vendor address: 3401 Industrial Drive
Montgomery, AL 36108

Deliver to the Attention of: _____

Delivery Address: _____

Requested delivery date: _____

Name of person making purchase request: _____

Title: _____

Authorized County Signature: _____

Initial confirming form sent to vendor: _____

Initial confirming form sent to ACCA: _____