

**BID SPECIFICATIONS  
FOR  
NEW CURRENT YEAR MODEL - 25 CY GARBAGE TRUCK  
2013 MACK GU813 CHASSIS WITH HEIL DPF5000 25 YD REAR LOADER  
\$186,780.00 (INCLUDING OPTIONS)**

**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 500,000 miles.  
Rear-End warranty shall be 5 years or 500,000 miles.

**DOT AND INSPECTION**

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

**ENGINE AND RELATED COMPONENTS**

Shall be an in line 6 design 11 liter, overhead cam, turbo charged diesel engine capable of developing 345HP @ 1500 – 1700 RPM with a torque rating of 1,360FT# @ 1200 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 systems shall have a single dry element with a restriction indicator.

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Turbo air shall flow through a chassis mounted charge air cooler, engine cooling system to have a minimum 990 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 poly V belt with automatic tension control.

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Exhaust to be single vertical diesel particulate filter mounted on the passenger side under cab with heat shield.

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**

12 Volt system fuse/circuit breaker protected

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

12V gear reduction starter, 12V 100 amp alternator (24si)

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

2 12V maintenance free group 31 batteries with 950 cold cranking amps each, batteries to be mounted in a single steel box with polished aluminum cover.

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

**TRANSMISSION AND DRIVELINES**

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

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Transmission cooler

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

External oil 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 lo gear ratio = 4.70 Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Transmission high gear ratio = .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. Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Cab construction should be welded Galvanized steel shell. Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Cab doors should also be of Galvanized steel and have high visibility roll up style windows. Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Cab to be air suspended on dual air bags mounted out board of frame rails. Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Cab should feature dual air horns one on each side of cab in addition to: Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Standard electric signal horn  
Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Chrome bullet style marker lights  
Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Bright finish heated West Coast mirrors with 8" convex mirrors mounted below the West Coast mirrors  
Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Exterior sun visor painted to match cab color  
Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Cab glass to be safety tinted  
Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Cab to have grab handles on both sides of cab  
Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Cab exterior and chassis to have all required DOT and ICC lighting (turn signal indicators, emergency flashers, rear stop, tail, turn and backup lighting.)  
Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Hood is to be a full tilting fiberglass design with safety latch.  
Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Cab and hood paint color to be selected from manufacturer's standard **non metallic** paint chart.  
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 # _____
<b>REAR LOADER</b>	
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 # _____
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	Option Price
One Cart Tipper as in bid specifications	<u>\$NA</u>
Two Cart Tippers as in bid specifications	<u>\$5,210.00</u>
Container Handling Device as in bid specifications	<u>\$5,252.00</u>
Strobe Lights as in bid specifications	<u>\$1,000.00</u>
Rear Vision System as in bid specifications	<u>\$1,000.00</u>
Extended warranty (Pump & Cylinder Warranty)	<u>\$2,860.00</u>
Engine warranty	<u>\$1,856.00</u>
Rear axle warranty	<u>\$725.00</u>
Transmission warranty	<u>\$825.00</u>
Two years filters (truck) (8 Full Sets of Filter)	<u>\$1,600.00</u>

# 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](http://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**  
**HEAVY EQUIPMENT PURCHASE ORDER FOR 25 CY GARBAGE TRUCK**

*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: 2013 MACK GU813 (With Heil DPF 5000 25 YD Rear Louder)

Number of items ordered: \_\_\_\_\_ Price per item: \_\_\_\_\_

Vendor: Joe Money Machinery Co., Company Contact: James W. Money

Vendor address: P.O. Box 997  
Birmingham, AL 35201

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: \_\_\_\_\_