

**BID SPECIFICATIONS
FOR
HEAVY DUTY DUMP TRUCK CHASSIS - OPTION A
2016 MACK GU 713
\$114,567.00 (INCLUDING OPTION) TIER 4**

GENERAL

These specifications shall be construed as the minimum acceptable standards for a heavy duty dump truck chassis. 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 machine offered for bid shall include all standard manufacturers' equipment.

The use of specific names or numbers in the specifications is not intended to restrict the bidder or any seller or manufacturer, but is intended solely for the purpose of indicating the type, size, and quality of equipment considered best adapted to the uses of counties participating in this joint bid.

Note all units offered for bid must be of manufacturer's current production model and must be fully compliant with EPA standard US10 without the use of EPA engine credits. Chassis should be equipped with the appropriate diesel particulate filter and SCR after treatment system.

BID SUBMITTAL FORM

Each bidder must submit his or her bid on the Bid Submittal Form included in the invitation to bid package and include last date purchase order can be accepted for delivery date no later than December 31, 2015. All written warranties to be submitted shall be attached to the Bid Submittal Form.

BID PRICE

The price bid shall include all destination charges, delivery charges, title fees, rebates and all other applicable costs and refunds.

REPLACEMENT PARTS AVAILABILITY

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

WARRANTY

Bidders shall submit a copy of the manufacturer's standard warranty along with a complete explanation of the warranty with their bid. Warranty must be transferable. Warranty must include the following minimum coverage:

Basic Vehicle: 1 Year or 100,000 miles

Diesel Engine: 2 year or 250,000 miles. However, counties will have the option to purchase additional coverage (an extended warranty) if negotiated between the purchasing county and successful bidder within the first 9 months of truck purchase.

Transmission: 3 Year or 300,000 miles

Rear Carriers: 3 Year or 300,000 miles

ASSEMBLY AND DELIVERY

The truck chassis will be purchased for use with a 16' dump body and optional body equipment that is to be bid separate and apart from the truck chassis. The dump body company will be responsible for assembly and installation of the dump body and related optional equipment, including the cost of the same. The selling truck chassis dealer will be responsible for delivery of the chassis to the dump Body Company for installation and for delivery of the complete dump truck unit to the county following installation and assembly of the dump body and related options onto the truck chassis. Freight to and from the Dump Body Company will be included in the truck bidder's proposal. Dump body installation and assembly costs will be included in the dump body bidder's proposal.

DOT INSPECTION AND SAFETY EQUIPMENT

Prior to delivery each unit shall be DOT inspected and include the appropriate documentation and decal. In addition each unit shall be equipped with the required fire extinguisher and reflective triangle kit.

ENGINE AND RELATED COMPONENTS

Shall be an in line 6 design 13 liter, overhead cam, turbo charged diesel engine capable of developing 455HP with a torque rating of 1,650 FT#.

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 # _____

Turbo air shall flow through a chassis mounted charge air cooler, engine cooling system to have a minimum 1,000 square inches of frontal area, aluminum core radiator with silicone hoses throughout and coolant protection to -34 degrees F.

Yes ___ No ___
Page # _____

Fan drive to be electronically modulated multi-speed viscous type with a poly V Belt with automatic tension control.

Yes ___ No ___
Page # _____

Single vertical Exhaust, Cab Mounted for clear back of cab with bright finish heat shield, elbow and stack.

Yes ___ No ___
Page # _____

Diesel Particulate Filter to be mounted under passenger door with SCR catalyst mounted behind particulate on frame rail.

Yes ___ No ___
Page # _____

Factory installed integral Engine Brake.

Yes ___ No ___

Page # _____

Engine electronics to have:

Full diagnostic capability

Yes ___ No ___
Page # _____

Road Speed limiting and Cruise control feature

Yes ___ No ___
Page # _____

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 130 amp alternator (24si)

Yes ___ No ___
Page # _____

(3) 12V maintenance free group 31 batteries with 650 cold cranking amps each, batteries to be mounted in a single steel box with polished aluminum cover.

Yes ___ No ___
Page # _____

TRANSMISSION AND DRIVELINE

A manual ten (10) speed overdrive design, with a minimum first gear reduction of 17 to 1.

Yes ___ No ___
Page # _____

Transmission should have oil cooler with dash mounted temperature gauge, left and right side PTO access gears with appropriate clearance.

Yes ___ No ___
Page # _____

Eaton Advantage easy pedal manually adjusting 15.5" two plate ceramic clutch 9 springs, 6 paddle design with AIR assist feature and remote lube fittings for clutch release bearing and both crosses mounted on LH frame rail under hood.

Yes ___ No ___
Page # _____

Main drivelines Spicer 1810HD with coated splines/ inter axle 1810 with coated splines.

Yes ___ No ___
Page # _____

CAB EXTERIOR

Cab to be Class 8 design welded Galvanized steel cab shell for construction and vocational applications.

Yes ___ No ___
Page # _____

Cab doors should also be of Galvanized steel and have high visibility roll up style

windows.

Yes ___ No ___
Page # _____

The passenger side door window should have a **power** control and include a **peep** window in the lower half of door.

Yes ___ No ___
Page # _____

Cab mounting should be air suspended at rear on dual air bags mounted outside the frame rails.

Yes ___ No ___
Page # _____

Cab should feature:

Dual air horns in addition to the 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. Mirrors to be mounted on break away brackets to protect door skin.

Yes ___ No ___
Page # _____

Stainless Steel Exterior sun visor

Yes ___ No ___
Page # _____

Cab glass to be safety tinted

Yes ___ No ___
Page # _____

Cab to have grab handles of 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 to include bright finished grill, bright finish air intakes, and bright finish full hood surround.

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:

Storage tray on back wall of cab and in overhead console

Yes ___ No ___
Page # _____

Cab interior is to be mid grade level fully groomed with headliner, back wall and windshield pillar post and door panels covered

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:

Wood grain appearance

Yes ___ No ___
Page # _____

Center mount console with cup holders

Yes ___ No ___
Page # _____

Full adjusting tilt and telescopic steering column

Yes ___ No ___
Page # _____

Transmission oil temperature gauge

Yes ___ No ___
Page # _____

Cab seats should be:

Driver Bostrom 915 High Back air ride design with arm rest

Yes ___ No ___
Page # _____

Passenger seat to be fixed design

Yes ___ No ___
Page # _____

Both seats to have fabric covering with 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 with clock, weather band and Blue Tooth capability, two- way radio power leads with mounting plate installed in overhead console with dual mirror mounted antennas.

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 full dual antilock air design with heated air dryer.

Yes ___ No ___
Page # _____

Air compressor should have 18.7CFM capacity and increased air reservoir capacity for the local installation of a pusher style third axle.

Yes ___ No ___
Page # _____

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

Yes ___ No ___
Page # _____

FRAME/BUMPER/FUEL TANKS

Steel 120,000 PSI steel frame rails 11.81" x 4.13" x 0.44" with a section modulus of 26.3 and a RBM per rail of 3,160,000.

Yes ___ No ___
Page # _____

222"-226" wheelbase with a 135"-139" cab to axle and a 197"-201" load platform.

Yes ___ No ___
Page # _____

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

Yes ___ No ___
Page # _____

Front bumper Bright Finish steel swept back channel design with Bright Finish plate type radiator guard and right and left hand bumper recessed tow hooks.

Yes ___ No ___
Page # _____

Fuel tank(s) to be aluminum with a minimum of 100-gallon capacity.

Yes ___ No ___
Page # _____

FRONT AXLE

18,000 Reverse Elliot design steel I beam axle with 18,000# multi leaf suspension and shock absorbers

Yes ___ No ___
Page # _____

18,000# integral power steering

Yes ___ No ___
Page # _____

Maximum of 34.5" spring centers

Yes ___ No ___
Page # _____

SET FORWARD front axle position only.

Yes ___ No ___
Page # _____

Unitized sealed (maintenance free) front wheel hubs.

Yes ___ No ___
Page # _____

Sealed tapered kingpins and bearings.

Yes ___ No ___
Page # _____

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

Yes ___ No ___
Page # _____

Automatic slack adjusters

Yes ___ No ___
Page # _____

Front wheels to be Aluminum 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 Bridgestone, Goodyear, or Michelin.

Yes ___ No ___
Page # _____

REAR AXLE

44,000# capacity (4.19-4.30) ratio double reduction design tandem rear axle with top loaded carriers and 44,000# multi leaf rear suspension with anti sway springs, transverse torque rod and bronze center bushings. Leaf over walking beam design with bronze center bushings will be accepted as a substitute, however no Reyco, air ride or T ride suspensions will be accepted.

Yes ___ No ___
Page # _____

In cab Power divider lock out valve with warning light and buzzer.

Yes ___ No ___
Page # _____

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

Yes ___ No ___
Page # _____

Driver controlled inter wheel differential locks for both rear axles with manual valve and warning light.

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 14 ply 11R 24.5 traction radials Bridgestone, Goodyear, or Michelin.

Yes ___ No ___

Page # _____

OPTIONS

In addition to the above options related to the tri axle or heavy-duty dump truck chassis, the bid must also include the cost for each of the following options, itemized separately on the bid:

Furnish, as an alternate transmission to the Manual 10 speed in the base bid, an Allison 4500-RDS-6 six speed automatic over drive Rugged Duty Series Gen 4 with transmission cooler, external oil cooler, internal filter, oil level sensor, temperature gauge and aluminum bell housing. Allison transmission to be factory filled with *TRANSYND* synthetic lubricant. Allison transmission low gear ratio = 4.70 and transmission high gear ratio = .67 over drive.

Yes ___ No ___

Page # _____

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

**OPTION COST SHEET FOR HEAVY DUTY DUMP TRUCK CHASSIS
OPTION A TIER 4**

<u>Options</u>	<u>Option Price</u>
Allison 4500-RDS-6 six speed Automatic Transmission	\$ 6,250.00

NOTE: Award will be made on the basis of the total cost of the truck chassis with the option included. However, a county may, at its discretion, deduct the above-referenced option from the truck chassis, and in such event, the cost of the option as stated on the bid shall be deducted from the total cost of the truck chassis. There shall be no other deductions and no additions made to the truck chassis 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
HEAVY DUTY DUMP CHASSIS OPTION A - TIER 4
PURCHASE ORDER FORM**

***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: 2016 MACK GU 713

Number of items ordered: _____ Price per item: _____

Vendor: Nextran Truck Center Company Contact: Bruce Graham

Vendor address: P.O. Box 820/1801 Fulton Rd
Fultondale, AL 35068

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: _____