

**BID SPECIFICATIONS
FOR
HEAVY DUTY LOW BOY TRACTOR-OPTION A
2016 MACK CHU 613
\$114,347.00 (INCLUDING OPTIONS) TIER 4**

GENERAL

These specifications shall be construed as the minimum acceptable standards for a heavy duty Low Boy tractor. 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.

MANUALS

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

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 shall 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

Yes ___ No ___
Page# _____
or
Attachment _____

ASSEMBLY AND DELIVERY

The selling truck chassis dealer shall be responsible for delivery of the completed unit to the purchasing county with all requested options.

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 safety triangles.

Yes ___ No ___
Page # _____

ENGINE AND RELATED COMPONENTS

Shall be an in line 6 design 13 liter, overhead cam, turbo charged diesel engine capable of developing 505 HP with a peak torque rating of 1,860 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 # _____

Exhaust to be DUAL vertical with bright finish heat shields, elbows and stacks.

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:

Yes ___ No ___
Page # _____

Full diagnostic capabilities

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 # _____

Unit should be equipped with a backup alarm

Yes ___ No ___
Page # _____

TRANSMISSION AND DRIVELINE

Manual eighteen (18) speed overdrive design, with a minimum first gear reduction of 16 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 driveline Spicer 1810HD with coated splines/ inter axle driveline 1710HD with coated splines.

Yes ___ No ___
Page # _____

CAB EXTERIOR

Cab to be Class 8 designed for construction and vocational applications. 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 with power window and door lock control on both doors, passenger door to 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 of 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 and motorized 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, bright finish headlight bezels and bright finish grille.

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 HIGH grade level fully groomed with "Button Tucked" 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 # _____

Axle oil temperature gauges

Yes ___ No ___
Page # _____

Exhaust pyrometer

Yes ___ No ___
Page # _____

Manifold pressure gauge

Yes ___ No ___
Page # _____

Cab seats should be: Driver and rider Bostrom 915 High Back air ride design with arm rest, 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 and mounting plate installed in overhead console (not on dash) 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

Full Dual Air Brake system with Bendix Road Stability System to include ABS/ATC/ESP with YAW control with heated air dryer.

Yes ___ No ___
Page # _____

Semi - trailer connection package with 16' coiler air and electrical connections with an in cab hand control valve for trailer service brakes.

Yes ___ No ___
Page # _____

Air compressor should have 18.7CFM capacity

Yes ___ No ___
Page # _____

FRAME/BUMPER/FUEL TANKS

Steel 120,000 PSI frame rails 11.81" x 3.54" x 0.37" with a section modulus of 20.6 and a RBM per rail of 2,470,000.

Yes ___ No ___
Page # _____

235" wheelbase with adequate frame rail clearance to accommodate a third axle, if desired.

Yes ___ No ___
Page # _____

148" cab to axle.

Yes ___ No ___
Page # _____

Heavy duty cross - members with huck bolt fasteners throughout.

Yes ___ No ___
Page # _____

Bright Finish stainless steel clad aluminum with a swing out towing clevis each side.

Yes ___ No ___
Page # _____

Fuel tank(s) to be aluminum with a minimum of 150 gallon capacity

Yes ___ No ___
Page # _____

Chassis to be equipped with frame mounted bright finish quarter fenders mounted ahead of front pull axle and rear mud flaps mounted at end of frame on heavy duty spring loaded brackets

Yes ___ No ___
Page # _____

FIFTH WHEEL

Tractor to be equipped with a Fontaine of Holland air slide fifth wheel. Fifth wheel should have pinning feature for use with a dump trailer. Pins should be removable type for Multi - purpose use.

Yes ___ No ___
Page # _____

FRONT AXLE

14,600 Reverse Elliot design steel I beam axle with 14,600# taper leaf suspension, 14,600# integral power steering, shock absorbers and a maximum of 34.5" spring centers. **SET FORWARD** front axle position only. Unitized sealed (maintenance free) front wheel hubs. Sealed tapered king pins and bearings. Meritor "S" cam design 16.5" x 6" Q+ brakes with outboard mounted drums, dust shields and automatic slack adjusters. Front wheels to be Machine Cleaned Buffed Aluminum ten (10) hole bud style, hub piloted 24.5" x 8.25". Front tires to be 16 ply 11R24.5 radials Bridgestone, Goodyear, or Michelin.

Yes ___ No ___
Page # _____

REAR AXLE

Meritor RT 46-164EH 46,000# capacity (3.91) ratio tandem axle with in cab power divider lock out valve with warning light and buzzer, lube pump and filter. In addition both rear axles should be equipped with driver controlled inter wheel differential locks with manual valve and warning light. 60 inch axle spacing. 46,000# air ride rear suspension with shock absorbers and transverse torque rods on both rear axles. Meritor "S" cam design 16.5" x 8 5/8" Q+ brakes with outboard drums, dust shields and automatic slack adjusters. Brake chambers shall be (4) 30/30 style chambers with raised chambers on rear axle. Machine Cleaned Buffed Aluminum ten (10) hole bud style, hub piloted 24.5 x 8.25 rear wheels. Rear tires to be 14 ply 11R24.5 G164 traction radials Bridgestone, Goodyear, or Michelin.

Yes ___ No ___
Page # _____

OPTIONS

In addition the bid must also include the cost for each of the following options, itemized separately on the bid:

Dual-purpose wet line system for use with a dump trailer or a detachable neck low boy trailer.

Yes ___ No ___
Page # _____

Aluminum Cab Guard with rear window

Yes ___ No ___
Page # _____

60-Inch Long light bar with warning lights (strobes or rotators) work lights, stop lights, tail lights and turn signals

-light bar shall be mounted on the Aluminum Cab Guard with Controls
Mounted on the Dash inside the Cab

Yes ___ No ___
Page # _____

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

**OPTION COST SHEET FOR
HEAVY DUTY LOW BOY TRACTOR
OPTION A TIER 4**

<u>Options</u>	<u>Option Price</u>
Dual purpose wet line kit	\$ <u>2,500.00</u>
Aluminum cab guard	\$ <u>1,000.00</u>
60" Long Light bar	\$ <u>1,250.00</u>

NOTE: Award will be made on the basis of the total cost of the Low Boy Tractor with the option included. However, a county may, at its discretion, deduct the above-referenced option from the Low Boy Tractor, and in such event, the cost of the option as stated on the bid shall be deducted from the total cost of the Low Boy Tractor. There shall be no other deductions and no additions made to the Low Boy Tractor 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
LOWBOY TRACTOR 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 CHU613

Number of items ordered: _____ Price per item: _____

Vendor: Nextran Truck Center Company Contact: Bruce Graham

Vendor address: P.O. Box 820/1801 Fulton Road
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: _____