

**BID SPECIFICATIONS  
FOR  
HEAVY DUTY LOW BOY TRACTOR-OPTION A  
2017 MACK CHU 613  
\$114,458.00 (INCLUDING OPTIONS)**

**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. 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**

<b><u>Options</u></b>	<b><u>Option Price</u></b>
Dual purpose wet line kit	\$ <u>3,300.00</u>
Aluminum cab guard	\$ <u>1,200.00</u>
60" Long Light bar	\$ <u>1,200.00</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](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**  
**LOWBOY TRACTOR OPTION A 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: 2017 Mack CHU 613

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

Vendor: Gulf Coast Truck & Equipment Company Contact: Joey Smith

Vendor address: 3440 Birmingham Hwy P.O. Box 588  
Montgomery, AL 36101

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: \_\_\_\_\_