

**BID SPECIFICATIONS
FOR
MOTORGRADER - OPTION C
KOMATSU GD655-3
\$225,105.00 (INCLUDING OPTIONS)**

GENERAL

These specifications shall be construed as the minimum acceptable standards for a heavy duty motor grader. Should the manufacturer's current production 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 motorgrader must be a new current production model and must meet all current EPA and other Federal standards.

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.

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, one (1) copy of the repair manual and one (1) copy of the current parts manual. Units will not be accepted for delivery until the manuals as outlined above are received by the purchaser.

REPLACEMENT PARTS AVAILABILITY

Parts must be available for 5 years or 7,500 hours of use for the piece of equipment bid. If replacement parts are not delivered within three (3) working days of an order being placed, the bidder will deliver an equivalent machine for the County to use at no cost to the County until such time as the parts are delivered to the County so it can affect repairs to its machine.

FILTERS

The cost of all filters required to perform scheduled maintenance as outlined in the manufacturer's service schedule and to meet warranty requirements. Assume 1200 hours of annual use to

determine filter requirements. The first three years shall cover a period of 3600 hours. The additional two years will cover a period of 2400 hours. Filters shall be furnished with each machine purchased or at the option of the purchasing County may be picked up at the dealership as needed.

WARRANTY

Bidders shall submit a copy of the manufacturer's standard warranty and a 3-year, 3600 hour power train warranty along with a complete explanation of the warranty with their bid. Warranty shall include service response time of maximum of 36 hours within notification by county.

ENGINE

The engine shall be a four cycle, six cylinder turbocharger diesel with a minimum SAE net horsepower of 165; 505 cu. in. displacement minimum.

Yes ___ No ___
Page # _____

STARTING SYSTEM

Shall be equipped with a 24 volt electrical system with 24 volt to 12 volt converter for two way radio; 50 amp alternator.

Yes ___ No ___
Page # _____

TRANSMISSION

Direct drive with torque converter

Yes ___ No ___
Page # _____

Eight speeds forward and four speeds reverse

Yes ___ No ___
Page # _____

Low effort inching pedal

Yes ___ No ___
Page # _____

Electronic overspeed protection to prevent engine and transmission damage from premature downshifting and grade-induced over-speeding

Yes ___ No ___
Page # _____

Also must be equipped with transmission guard

Yes ___ No ___
Page # _____

FINAL DRIVE

The final drive shall be a tandem type with power being transmitted from the transmission to the ground all four rear tandem wheels.

Yes ___ No ___
Page # _____

The final drive shall include a lock/unlock differential.

Yes ___ No ___
Page # _____

CONTROLS AND HYDRAULICS

The hydraulic system shall be a load sensing closed center type with a variable displacement piston pump.

Yes ___ No ___
Page # _____

The total hydraulic system flow shall be a minimum of 51 gpm.

Yes ___ No ___
Page # _____

The hydraulic system shall have sufficient power to permit simultaneous operation of at least two components without loss of component travel speed and/or power and without requiring the engine speed to be increased.

Yes ___ No ___
Page # _____

Shall have an accumulator blade lift to protect against blade damage.

Yes ___ No ___
Page # _____

BLADES

The moldboard shall be 14' x 26" x 0.87" with hydraulic power tilt, hydraulic power side shift and replaceable end bits

Yes ___ No ___
Page # _____

The tilt angle of the moldboard shall not be less than 45 degrees

Yes ___ No ___
Page # _____

Moldboard blade range shall have minimum cutting depth of 32", minimum lift above ground of 19.5" and minimum right and left side vertical cutting angle of 90 degrees.

Yes ___ No ___
Page # _____

Shall also include reversible overlay end bits

Yes ___ No ___
Page # _____

SCARIFIER

The scarifier shall be mounted behind the front axle.

Yes ___ No ___
Page # _____

The machine must also have the proper number of control valves to operate the scarifier in addition to all other standard hydraulic control functions.

Yes ___ No ___
Page # _____

Must be factory mounted. No dealer added after market scarifier will be accepted.

Yes ___ No ___
Page # _____

DRAWBAR AND CIRCLE

Drawbar shall be a box section "A" frame type welded construction.

Yes ___ No ___
Page # _____

Drawbar shall be equipped with a slip clutch designed to protect the drawbar, circle and moldboard from horizontal shocks when the blade encounters hidden objects.

Yes ___ No ___
Page # _____

The circle shall be a one piece forged secured to drawbar by six support shoes with replaceable metal wear inserts.

Yes ___ No ___
Page # _____

The circle shall be driven by a hydraulic motor and shall rotate 360 degrees.

Yes ___ No ___
Page # _____

FRAME

The main frame shall be of an all welded box type construction.

Yes ___ No ___
Page # _____

The frame must be capable of articulating 23 degrees to both the right and left of center and the articulation joint shall be supported by four roller bearings.

Yes ___ No ___
Page # _____

The power train shall be completely contained within the rear frame with no drive shafts crossing the articulation joint.

Yes ___ No ___
Page # _____

The articulation joint shall be equipped with a locking device to prevent frame articulation while servicing or transporting the machine.

Yes ___ No ___
Page # _____

STEERING

The motor grader shall have a hydraulic steering system capable of providing stopped engine steering as required by SAE codes, J53 and J1511.

Yes ___ No ___
Page # _____

The minimum turning radius shall be 22'8".

Yes ___ No ___
Page # _____

TIRES

All six tires shall be 14.00 x 24-G2 12 ply mounted on 10" single piece or multi piece rims at purchaser option. All rims are to be inter-changeable between front and rear.

Yes ___ No ___
Page # _____

BRAKES

The service brakes shall be foot operated, hydraulic power boosted sealed oil disc

brakes on all four rear tandem wheels.

Yes ___ No ___
Page # _____

The service brakes shall be a dual brake system with accumulators for a secondary braking system for stopped engine braking.

Yes ___ No ___
Page # _____

The parking brake shall be hand actuated, spring applied, hydraulically released caliper type and shall neutralize the transmission when applied.

Yes ___ No ___
Page # _____

OIL ANALYSIS

To be included at no cost for the duration of the purchased warranty period at intervals recommended by the manufacturer's warranty and maintenance schedule.

REAR MOUNTED RIPPER

Must be a factory-mounted ripper with 5 shank holders. No dealer added after-market ripper will be accepted.

Yes ___ No ___
Page # _____

WEIGHT (STANDARD OPERATING)

Minimum of 33,000 pounds which includes enclosed ROPS cab (low profile) with factory installed air conditioner/heater, rear ripper, and all operating fluids full. This is factory specified operating weight only. No additional weights may be added for purpose of meeting these specifications.

Yes ___ No ___
Page # _____

OPTIONS

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

Enclosed ROPS cab (low profile)

Yes ___ No ___
Page # _____

AM/FM stereo radio

Yes ___ No ___
Page # _____

Factory installed air conditioner/heater

Yes ___ No ___
Page # _____

Oil pressure and oil temperature gauge

Yes ___ No ___
Page # _____

Two high and low beam cab-mounted halogen headlights

Yes ___ No ___
Page # _____

Front turn signals mounted on cab & rear turn signals mounted on radiator grill

Yes ___ No ___

Side mounted mirror (left and right)

Page # _____

Yes ___ No ___

Page # _____

Cage top mounted yellow strobe

Yes ___ No ___

Page # _____

Rear-mounted ripper

Yes ___ No ___

Page # _____

First 3 years of filters based on 1200 hours per year use

Yes ___ No ___

Page # _____

Additional 2 years of filters based on 1200 hours per year use

Yes ___ No ___

Page # _____

An extended power train warranty that covers an additional two (2) years
or total of 6,000 hours, whichever occurs first

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 options 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 MOTORGRADER - OPTION C

<u>Option</u>	<u>Option Price</u>
Enclosed ROPS cab	\$N/A
AM/FM stereo radio	\$N/A
Factory air conditioner/heater	\$N/A
Oil pressure and oil temperature gauge	\$N/A
Cab-mounted halogen headlights	\$N/A
Front and rear turn signals	\$N/A
Cage top mounted yellow strobe	\$500.00
Side mounted mirror (left and right)	\$N/A
Rear-mounted ripper	\$8,500.00
Extended warranty	\$2,200.00
First 3 years filters	\$1,500.00
Additional 2 years filters	\$1,000.00

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.acca-online.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
PURCHASE ORDER FOR MOTORGRADER-OPTION C
*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: _____

Number of items ordered: _____ Price per item: _____

Vendor: Tractor & Equipment Co. Inc. Company Contact: Joe Patton

Vendor address: P.O. Box 12326
 Birmingham, AL 35202

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: _____