

MISC. ORDER NO. 2019-7

In the County Court of Craighead County, Arkansas

In the matter of awarding bids for the purchase of two (2)
Motor graders for the Craighead County Road Department.

FILED
JAN 22 2019
KADE HOLLIDAY
COUNTY & PROBATE COURT CLERK

ORDER

Comes before the County Court of Craighead County, Arkansas, the matter of awarding bids for the purchase of two (2) Motor Graders with cab and air, to be used by the Craighead County Road Department.

Bids were advertised and publicly opened in accordance with Arkansas Code 14-22-101 through 14-22-115, concerning purchasing and bidding procedures.

It is therefore, considered, ordered, and adjudged that the best overall value bid of \$183,168.96 per motor grader, with an additional a five (5) year/5000 hour total machine warranty at a cost of \$9,930.00 per unit, mid mount scarifier at a cost of 6010.00 per unit, integrated cross slope for one unit at a cost of 6074.92 with a total bid award of \$404,292.84 be awarded to J A Riggs Tractor, 3703 E Parker Road, Jonesboro, AR 72404.

Dated this 22nd Day of January, 2019

Approved: _____

Marvin Day
Marvin Day
Craighead County Judge

AA11
19

	BID TABULATION SHEET			
Bid 2018-35	Purchase two new motor graders with 3 year/3000 guaranteed dealer buyback			
County Road Dept	Craighead County Road Dept			
DATE: January 10, 2019	2800 Moore Rd			
	Jonesboro, AR 72401			
				Guaranteed
BIDDER NAME	ITEM BID	Price per unit	Total Cost	Buyback per unit
			Two Motor Graders	
JA Riggs Tractor Co	Caterpillar 12M3, 2019 Motor grader 3 yr./3000 hr. no buyback offer, Joy stick	\$183,168.96	\$366,337.92	\$0.00
3703 E. Parker Rd	Five yr./5000 hr. total machine warranty. Warranty for each motor grader	\$9,930.00	\$19,860.00	
Jonesboro, AR 72404	Three yr./2000 hr. maintenance agreement.	\$0.00	\$0.00	
	Add Scarifier, Mid Mount Scarifier for each motor grader	\$6,010.00	\$12,020.00	
	Integrated cross slope (Add one only)	\$6,074.92	\$6,074.92	
	Buyback option	\$0.00	\$0.00	
	Total cost with warranty & add on	\$205,183.88	\$404,292.84	
	Caterpillar meets or exceeds all bid specs. Includes joy stick controls for all functions of the machine, including steering. 12 month warranty, unlimited hrs.			
	120 day delivery. Has rear vision camera.			
	Trans 8F 6R, Wt. 42,647#, HP 179-231			
Stribbling Equipment, LLC	John Deere 670GP, 2019 Motor Grader, 3 yr./3000 hr. dealer buyback No buy back available	\$209,853.00	\$419,706.00	\$0.00
5707 Commerce Square	Five yr./5000 hr. total machine warranty (Included in bid price)	\$5,135.00	\$10,270.00	
Jonesboro, AR 72401	Three yr./2000 hr. maintenance agreement.	\$0.00	\$0.00	
	Add Scarifier	\$6,334.00	\$12,668.00	
	Integrated cross slope	\$0.00	\$0.00	
	Buyback option	\$0.00	\$0.00	
	Total cost with warranty & maintenance agreement	\$221,322.00	\$442,644.00	
	45 day delivery. No wipers side windows. HP 170-235, Wt. 42,340#			
	Trans 8F 8R, Steering wheel, no joy stick, but similar hand controls			
	Operator station floor does not angle, no wiper blades on side windows			
After considerable evaluation and study of bids received, it is determined that the best overall value for Craighead County is Caterpillar 12M3 offered by J A Riggs Tractor, as outlined above. Caterpillar and John Deere do utilize joy stick controls and both bidders having a local parts and service facility in Jonesboro, AR, and are valuable considerations used in determining the best bid and best overall value for Craighead County. Additionally, upfront cost is lower with Caterpillar, thereby utilizing cash flow to the benefit of the County.				
All bids were very competitive and offered quality equipment.				

FROM:

Craighead County Purchasing Department
c/o County Judges Office
511 Union Rm 119
Jonesboro, AR 72401
Phone 870-933-4500
Fax 870-933-4504

PURCHASE ORDER
CRAIGHEAD COUNTY
ARKANSAS

**SHOW THIS NO. ON ALL INVOICES,
DELIVERY SLIPS, CASES, BOXES, ETC**

PURCHASE
ORDER

51578

TO: J H REYES TRACTOR
3703 E PARKER RD
JONESBORO, AR 72404

DATE JAN 27 2019

Req. By J H REYES

Req. # 2018-35

Bid No. 2018-35

Charge to
Account No.

Gentlemen: Please furnish the following to Craighead County and be governed by the instructions hereon.

ITEM	QUAN.	BRAND, CATALOG NO. AND DESCRIPTION	UNIT PRICE	TOTAL
	2	Motor Graders, Caterpillar, 12 M. 3 2019 Year Model	183,168.96	366,337.92
	2	Five yr/5000 total machine warranty	9930.00	19,860.00
	2	Mid Mount Scarifier	6010.00	12,020.00
	1	Integrated Cross Slope	6074.92	6074.92
			<u>\$</u>	<u>404,292.84</u>

TOTAL

SHIP TO:

Craighead County Road Dept.
2800 Moore Rd
Jonesboro, AR 72401

DEL. PROMISED

DEL. REQUIRED

TERMS:

F.O.B. DESTINATION

PRICING:

No purchases over \$100.00 are valid unless covered by this form signed by Purchasing Agent. Submit invoice promptly to County Clerk, Craighead County Court House, P.O. Box 1167, Jonesboro, AR 72401. The above Purchase Order No. must appear on all Invoices, Delivery Slips, Cases, Boxes, Etc. even when shipped direct by your supplier.

I certify that all the above articles or services have been received in good order except as noted.

Dated _____ 20 _____

Signed _____

CRAIGHEAD COUNTY

By

[Signature]
Purchasing Agent

CRAIGHEAD COUNTY
INVITATION TO BID-Not an Order
Craighead County Judge's Office
511 Union St.; Suite 119
Jonesboro, Arkansas 72401

PURCHASING OFFICE

BID NO. 2018-35

DATE: December 21, 2018

Sealed bids, subject to the conditions on the reverse hereof, and as may be attached hereto, will be received at this office until 2:00 PM January 10, 2019, local time, and then publicly opened, for furnishing the equipment, supplies, materials, and/or services as described below.

Bids will be opened January 10, 2019,
2:00 P.M. Local Time

F.O.B. Jonesboro, Arkansas

BY: Al Haines

Maximum Delivery or completion time after Issuance of Purchase

PURCHASING DIRECTOR

Order or work ordered by County 120 days.

Item #	DESCRIPTION	QUANT	UNIT	UNIT PRICE	AMOUNT
1	Furnish two (2) motor graders with a three (3) year/3000 hour buy back program from the dealer to the Craighead County Road Dept as complete package, delivered and fully operational as per the attached specifications.	2		<u>183,160</u>	<u>366,320</u>
2	This bid package contains 8 pages. All 8 pages must be returned to complete bid.				
3	Bid must be signed by authorized company representative.				
4	Bidder should: A. Clearly define and list warranty information on each item in years. B. Include all labor, delivery charges, training, programming, and any other charges FOB Jonesboro, Arkansas 72401, in bid price. C. Include product literature and specifications with bid. D. Include references of similar transactions to relative industries. E. Specify cash discounts, if available. F. Note bid number on outside of bid envelope. G. Specify approximate ship time in days, if awarded bid. <u>10 to 16 weeks</u> H. List make, model, and manufacturer of equipment being offered. <u>CAT 12M3</u> G. Quote same or equal equipment in all aspects. H. Specify nearest service and parts supply location to Jonesboro, AR.				
5	Does bidder meet all motor grader specifications? Yes <u>X</u> No <u>See Page 7 Option</u> If no, clearly list and define differences on a separate sheet.				
6	Attached equipment list with names and part numbers is for reference.				
7	Bidder shall list purchase price per unit here. <u>\$183,160</u> Buyback price per unit here. <u>\$</u>				

EXECUTION OF BID

Date 1-10-19

We, the undersigned, have read all the requirements set forth in this bid proposal including specifications, instructions, conditions, and pertinent information regarding the articles being bid on, and we agree to furnish articles at the prices stated.

Arkansas Use Tax Register No. 019243-78-001

Bidder J.A. Ryss Tractor Address 3703 E. Barker Rd. Jonesboro, AR 72404

(Person Authorized to Sign Bids) Title Shane Franklin

UNSIGNED BIDS WILL BE REJECTED

BIDS ARE SUBJECT TO REJECTION UNLESS SUBMITTED ON THIS FORM

NOTICE TO BIDDERS, SEE REVERSE SIDE OR ATTACHMENTS FOR INSTRUCTIONS AND CONDITIONS.

		CRAIGHEAD COUNTY			
		JONESBORO, ARKANSAS			
		CONDITIONS OF BIDDING			
Compliance with the following conditions is necessary for consideration of this bid.					
1	<u>Signature</u> -This bid must be signed with the firm name and by an authorized officer, employee or agent.				
2	<u>Sales Tax</u> -Is not to be shown in the bid price, but is to be added by the vendor to the invoice billing to the County. The County is exempt from Arkansas State Sales Tax on road equip and vehicles. Contractors are to include all costs into the bid price, including applicable taxes.				
3	<u>Freight and other delivery charges</u> -to destination at designated County facility in the County must be included in bid. Charges may not be added after the bid is opened.				
4	<u>Discounts</u> -Show rate, total amount, and latest day any discounts will be allowed after receipt of article and invoice, otherwise County will deduct allowed discount when payment is made.				
5	<u>Firm Price</u> -All prices quoted will remain firm for at least 30 days from date of bid, unless otherwise specified by the County or bidder.				
6	<u>Tax Exempt</u> -Craighead County is exempt from State sales tax on self propelled equipment and motor vehicles. Example: Motor graders, excavators, dozers, dump trucks, pickup trucks, etc.				
7	<u>Identical Bids</u> -In the event of two or more identical low bids, the contract may be awarded arbitrarily or for any reason to any of such bidders, or split in any proportion between the said two or more bidders at discretion of the County.				
8	<u>Clean up</u> -Complete cleanup and proper disposal of any and all job related items is considered to be a part of any contract let by Craighead County.				
9	<u>Ambiguity in bid</u> -Any ambiguity in any bid as the result of omission, error, lack of clarity or non-compliance specifications, instructions, and all conditions of bidding shall be construed in the light most favorable to the County				
10	<u>Construction</u> A. When requested, the Contractor is to supply the County with evidence of having and maintaining proper and specifically Workman's Compensation Insurance in accordance with the laws of the State of Arkansas, Public Liability, and Property Damage. All premiums and cost shall be paid by Contractor. In no way will the County be responsible in case of accident. B. A Performance Bond equaling the total amount of any bid exceeding \$20,000 must be provided for erection of any public building, public structure, or public improvement(Pursuant to Arkansas Code 18-44-503.)				
11	The County reserves the right to reject any and all bids, accept in whole or in part, to waive informalities in bids received, to accept bids on materials or equipment with variations from specifications in those cases where efficiency of operation will not be impaired, and unless otherwise specified by bidder, to accept any item in the bid. If unit prices and extensions thereof do not coincide, the County may accept the bid for the lesser amount whether reflected by extension or by the correct multiple of the unit price.				
INSTRUCTIONS TO BIDDERS				(Please read carefully)	
1	Submit bid on bid form attached or reverse side of this sheet.				
2	Address all bids to: Purchasing Director, Craighead County Judge's Office, 511 Union St.; Suite 119, Jonesboro, Arkansas 72401 and make certain to indicate identifying bid number on the outside of bid envelope.				
3	DO NOT include Federal Excise Tax in bid. County will furnish exemption Federal ID Tax Number.				
4	State Manufacturer, Brand Name, Model, etc. for each item bid on.				
5	Samples of items, when required must be furnished free, and, if not called for within 30 days from date of bid opening, will be disposed of by the County				
6	Bids received after stated time will not be considered.				
7	Be sure and read all conditions and verify amounts before submitting bids. No changes or additions will be allowed after submission.				
8	Guarantees and warranties should be attached as a part of the bid, as they may be a consideration in awarding contract.				
9	Delivery or contract completion time is to be shown, as this date may, where time is of the essence, determine the contract award.				
10	Additional information may be obtained from the Purchasing Department.				
THE COUNTY RESERVES THE RIGHT TO ACCEPT PART OR ALL OF ANY SPECIFIC BID OR BIDS					
AND TO ACCEPT BID WITH OR WITHOUT TRADE-IN, AND REJECT ANY AND ALL BIDS.					

GENERAL CLAUSES AND CONDITIONS			
1	Motor grader units furnished shall be the latest type, proven model in current production (as offered to commercial trade); shall be of good quality as to workmanship and material. All units offered under this advertisement shall be new, 2020 year models and equal and equivalent to (Caterpillar 12M 3) motor grader with EPA TEIR FINAL engines. Units shall have all running, safety and working light packages, including, running, backup, turn signals, brake, flashing caution, moldboard, and all other required for safety and work.		
2	Specifications and printed literature covering units bidder proposed to furnish shall be submitted with bid package.		
3	Units to be assembled, adjusted, and made ready for continuous operation at time of delivery.		
4	Variations from specifications shall be listed on a separate sheet of paper and attached to bid. This sheet shall be labeled as such.		
5	Right is reserved to accept, reject, in whole or in part, to waive informalities in bids received, or accept bids with variations.		
6	Right is reserved to award bids separately on multiple items.		
7	Color: Units shall be painted with a high quality, long lasting, durable paint in the manufacturer's standard color.		
8	Bidder shall specify warranty on parts and labor with a minimum of 12 months.		
9	Bidder certifies he maintains a service facility and representative inventory of replacement parts within the State of Arkansas, or within a 150 mile radius of Jonesboro, Arkansas 72401.		
10	Bidder shall bid motor graders with a three (3) year/3000 hour dealer buyback program.		
11	Bidder shall list the purchase price per unit here and on top sheet. \$ <u>0</u>		
12	Bidder shall list the guaranteed three (3) year/3000 hour dealer buy back price here per unit and on top sheet. \$ <u>0</u>		
13	Additionally, please quote a five (5) year/5000 total machine warranty. \$ <u>9,930.00</u>		
14	Please quote a three (3) year/2000 hour maintenance agreement by dealer. \$ <u>7,969.00</u>		
	This maintenance agreement should include labor and product to service equipment at 500, 1,000, 1,500, and 2,000 hours.		
15	Note: Please quote machines without scarifiers. <u>OPTION</u>		
16	Bid award will be determined by price, parts and repair facilities, warranties, buy back options, and any other options that may help to determine the best value for Craighead County. <u>\$ 10,274.91</u>		
MOTOR GRADERS			
BID SPECIFICATION FOR CATERPILLAR 12M3 OR EQUIVALENT		Bidder may note differences for each item here.	
Note: Some of these specs may be specific to Caterpillar, please specify specifics to motor grader you are offering if different from these specifications.			
POWERTRAIN/TRANSMISSION			
Y <input checked="" type="checkbox"/>	Machine shall be designed and built by the manufacturer.		
N <input type="checkbox"/>			
Y <input checked="" type="checkbox"/>	Base Machine Weight shall not be less than 37,145 LBS. Weight shall include: standard machine configuration, lubricants, coolants, full fuel tank and operator of 200 lbs.		
N <input type="checkbox"/>			
Y <input checked="" type="checkbox"/>	Machine length from the front outside edge tire to end of tow hitch shall not be less than 350.3 inches.		
N <input type="checkbox"/>			
Y <input checked="" type="checkbox"/>	Machine Wheel Base (distance from front axle to mid tandem) shall not be less than 232.8 in.		
N <input type="checkbox"/>			
Y <input checked="" type="checkbox"/>	Machine height to top of the cab shall not exceed 129 in (3,278 mm).		
N <input type="checkbox"/>			

Y <input checked="" type="checkbox"/>	Front frame shall be a formed structural carbon steel tube, with a single, resistant welded seam.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	The rear frame shall have two box section channels with an integrated bumper.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	A standard rear hitch shall be provided.				
N <input type="checkbox"/>					
ENGINE					
Y <input checked="" type="checkbox"/>	Engine shall be designed and built by the manufacturer.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Engine shall be a turbo-charged, direct injection, four stroke, 6-cylinder diesel engine.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Engine shall be electronically controlled for more efficient fuel injection and fuel burn.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Engine shall develop, as standard, a rated net flywheel power of a least 162 HP to 220 HP, 1st through 8th gear.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Rated engine power shall not be achieved at an engine speed greater than 2000 rpm.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Engine shall be certified EPA Tier 4 final.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Engine shall allow for at least 500 hours of operation between oil changes.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	A jacket water heater shall be available to assist in cold weather starting.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Transmission shall be a direct drive, power shift, counter-shaft type.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Transmission direction and gear shifting shall be electronically and proportionally controlled from forward to reverse and from gear to gear for smoother shifts and better blade control as a standard feature.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Transmission shall not have less than 8 forward speeds and 6 reverse speeds.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Differential Lock/Unlock shall be electro-hydraulically controlled, as a standard feature.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Final drive shall be a planetary design.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Machine shall be equipped with an electronic inching pedal for improved modulation and machine control.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Machine shall be equipped with electronic over-speed protection to prevent the engine and transmission from over speeding, as a standard feature.				
N <input type="checkbox"/>					
BRAKES					
Y <input checked="" type="checkbox"/>	Service brakes shall be multi-disc, oil-cooled and completely sealed.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Service brakes shall be hydraulically actuated, utilizing dual independent brake circuits.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Entire braking system shall meet all requirements of ISO 3450.				
N <input type="checkbox"/>					

Y <input checked="" type="checkbox"/>	Service brakes shall provide access to check and determine brake wear without removing or disassembling the brake assembly.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Hydraulic brake accumulators shall be standard. Brakes should be available in the event of engine shutdown.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Engaged parking brake shall neutralize the transmission.				
N <input type="checkbox"/>					
HYDRAULIC SYSTEM					
Y <input checked="" type="checkbox"/>	Hydraulic system shall be a closed center, load sensing type, with a variable displacement, axial piston-type pump.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Hydraulic system shall have a separate oil tank, solely dedicated to the implement pump.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	The hydraulic tank shall have a baffling system to reduce potential pump cavitations.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	All implement hydraulic connections shall have O-ring face seals for leak prevention.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	The maximum hydraulic system pressure shall be no more than 3,500 psi.				
N <input type="checkbox"/>					
FRONT AXLE AND TANDEMS					
Y <input checked="" type="checkbox"/>	Front axle shall be an arched design for maximum ground clearance.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Tandems shall be capable of oscillating 15 degrees front tandem up and 25 degrees front tandem down, with full machine articulation and having no interference between tandem wheel and machine structure.				
N <input type="checkbox"/>					
OPERATORS STATION					
Y <input checked="" type="checkbox"/>	Cab shall have angled floor design allowing direct visibility to moldboard.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	An enclosed cab with ROPS (Rollover Protective Structure) shall be provided.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Cab door shall have a hold-open clasp with a ground-level release and in addition to, a release in the cab.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Cab shall have wipers with washers on the door, front, and rear windows.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Wipers shall be available on side windows.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Left and right side cab doors shall be available.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	An electronic message system shall provide real-time machine performance and diagnostic data.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	An instrument cluster shall be provided that includes a speedometer, tachometer, coolant temperature, fuel and articulation angle gauge.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Machine hour meter shall be provided.				
N <input type="checkbox"/>					

Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	An air suspension seat shall be available.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A real-time information system shall monitor all system data and alert the operator of any faults through a digital text display.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A toolbox shall be provided.				
DRAWBAR, CIRCLE & MOLDBOARD						
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Moldboard shall have a bank slope angle capability of at least 90 degrees to both sides.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Circle and drawbar vertical adjustment points shall be available for ease of maintenance.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Moldboard side-shift cylinder shall be installed on the left-hand side, to prevent snow wing interference, with the cylinder rod.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Moldboard shall have a hydraulic tip control through a range of 40 degrees fore and 5 degrees aft.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A 14 ft long, 24 in high and no less than 7/8 in thick moldboard shall be available.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Moldboard slide rails shall be constructed of heat-treated, high carbon steel.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	The moldboard retention system shall have two retention points located on the left and right side of the moldboard.				
ELECTRICAL						
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Machine shall have 145 amp-hour, 1125 CCA heavy-duty batteries available.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Machine shall have a 150-amp alternator available.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Starting system shall be a 24V direct electric type.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A 24 V to 12 V converter with 10 amp capacity shall be standard.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Electrical system shall have a master disconnect switch with a removable key (in addition to the ignition switch), accessible from the ground level.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A 24V to 12V converter with 25 amp capacity shall be available.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Incandescent white reversing lamps and LED stop lamps shall be standard.				
SERVICEABILITY						
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A guard shall be available to protect the machine's transmission from debris.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A guard shall be available to suppress sound from the engine.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A two-way communication tool shall give service technicians easy access to stored diagnostic data and allow configuration of machine parameters.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Machine shall provide 3 points of contact on all areas of the machine, for mounting and dismounting.				

Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	The articulation joint shall have mechanical locking device to prevent frame articulation while servicing or transporting machine.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Left and right side tandem case assemblies shall be covered with punched steel plate to provide an adequate platform for standing and walking.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Sampling ports shall be accessible from the tandem level and provide access to the engine, hydraulic, coolant, and fuel ports.				
MINIMUM SERVICE FILL CAPACITIES						
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Standard fuel tank capacity shall not be less than 98 gallons (378 L).				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Standard cooling system capacity shall not be less than 8.7 gallons (33 L).				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Standard hydraulic tank capacity shall not be less than 16.6 gallons (64 L).				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Standard engine oil capacity shall not be less than 3.6 gallons (14 L).				
SAFETY & ENVIRONMENTAL						
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Hydraulic implement lockout shall be achieved by actuating a single electrical switch within the operator station.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Secondary, electric steering pump shall be provided as a backup to the primary implement hydraulic pump, as standard.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Machine shall have back-up lights and sounding alarm as standard when reverse gears are selected.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	An external emergency kill switch shall be available for ground level engine shut down.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A guard shall be available to protect the machine's transmission from debris.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Machine shall provide dual exits allowing for emergency egress should one side become obstructed.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Machine shall have laminated glass for the front windows and doors to protect the operator from shattered glass.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Two thousand pound front push block				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Integrated cross slope.	<i>Option \$ 6,074.92 Total 159,243.88</i> <i>Per Machine</i>			
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Outside mounted mirrors.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Blade lift accumulators.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Product link.				

OPTIONAL BID OFFER

Optional Equipment Offer:

Craighead will consider as an optional bid proposal for two (2) new or used like new, excellent condition, one or two year earlier model from manufacture date, full warranty on parts and labor that is equal to the specifications of this bid package with variances to be considered by Craighead County. All pertinent information should be offered and clearly defined in all areas relative to the equipment being offered. Variances from above bid specifications shall be clearly listed and defined.

Motor graders being requested is quantity of two(2). **Used equipment is defined as machinery being at lease one (1) year in age from the date of original manufacture or that has at least 250 working hours. Craighead County will consider motor graders with hours between 250 and 500 hours and 1 to 2 years from date of manufacture.**

Please specify in detail, the following information

1. Make: *Cat*
2. Year Model and Series: *2015 12M3*
3. Serial/Vin #: *N9F00332*
4. Certified Manufactured date: *2015*
5. Certified hours of machine usage: *545*
6. Condition: *Good*
7. Photos and maintenance records:
8. Warranty, clearly defined:
9. Additional information welcome:
10. Please specify if equipment being offered is new or used:
11. Bid price per unit:

*\$ 290,000.⁰⁰
100*

M Series 3

Motor Graders



	12M3/12M3 AWD		140M3/140M3 AWD		160M3/160M3 AWD	
Engine Model	Cat® C9.3 ACERT™		Cat C9.3 ACERT		Cat C9.3 ACERT	
Base Power (1st gear) – Net	133 kW	179 hp	149 kW	200 hp	165 kW	221 hp
Base Power (1st gear) – Net (Metric)		181 hp		202 hp		224 hp
VHP Plus Range – Net	133-172 kW	179-231 hp	149-188 kW	200-252 hp	165-203 kW	221-272 hp
VHP Plus Range – Net (Metric)		181-234 hp		202-255 hp		224-276 hp
AWD Range – Net	141-188 kW	189-252 hp	156-203 kW	210-272 hp	172-219 kW	231-293 hp
AWD Range – Net (Metric)		192-255 hp		213-276 hp		234-298 hp
Moldboard – Blade Width	3.7 m	12 ft	3.7 m	12 ft	4.2 m	14 ft
Operating Weight, Typically Equipped	19 344 kg	42,647 lb	19 935 kg	43,950 lb	20 660 kg	45,547 lb
Operating Weight, Typically Equipped AWD	20 236 kg	44,614 lb	20 827 kg	45,917 lb	21 552 kg	47,514 lb

12M3/12M3 AWD Motor Graders Specifications

Engine Model	Cat C9.3 ACERT		
Emissions	U.S. EPA Tier 4 Final/ EU Stage IV		
Base Power (1st gear) – Net	133 kW	179 hp	
Base Power (1st gear) – Net (Metric)	181 hp		
VHP Plus Range – Net	133-172 kW	179-231 hp	
VHP Plus Range – Net (Metric)	181-234 hp		
AWD Range – Net	141-188 kW	189-252 hp	
AWD Range – Net (Metric)	192-255 hp		
Displacement	9.3 L	567.5 in³	
Bore	115 mm	4.5 in	
Stroke	149 mm	5.9 in	
Torque Rise	38%		
Maximum Torque (VHP Plus)	1138 N·m	840 lb-ft	
Maximum Torque (AWD On)	1247 N·m	920 lb-ft	
Speed @ Rated Power	2,000 rpm		
Number of Cylinders	6		
Derating Altitude	3050 m	10,000 ft	
High Ambient – Fan Speed			
Standard	1,400 rpm		
Maximum	1,550 rpm		
Minimum	500 rpm		
Standard Capability	43° C	109° F	
High Ambient Capability	50° C	122° F	
Gear – Net Power	VHP Plus kW (hp)	AWD Off kW (hp)	AWD On kW (hp)
Forward			
1st	133 (179)	141 (189)	149 (200)
2nd	141 (189)	149 (200)	164 (220)
3rd	149 (200)	156 (210)	168 (225)
4th	156 (210)	160 (215)	172 (231)
5th	160 (215)	164 (220)	188 (252)
6th	164 (220)	168 (225)	188 (252)
7th	168 (225)	172 (231)	188 (252)
8th	172 (231)	172 (231)	188 (252)
Reverse			
1st	133 (179)	133 (179)	133 (179)
2nd	141 (189)	141 (189)	141 (189)
3rd–6th	149 (200)	149 (200)	149 (200)

Engine (cont'd)

- Net power is tested per ISO 9249, SAE J1349, and EEC 80/1269 Standards in effect at the time of manufacture.
- VHP Plus is standard for the 12M3 and 12M3 AWD.
- Net power advertised is the power available at rated speed of 2,000 rpm, measured at the flywheel when engine is equipped with fan running at minimum speed, air cleaner, muffler and alternator.
- No engine derating required up to 3050 m (10,000 ft).
- Power as declared per ISO 14396
Rated rpm 2,000
VHP+ = 173 kW (232 hp)
AWD = 189 kW (253 hp)
- All nonroad U.S. EPA Tier 4, European Union (EU) Stage IIIB and IV, and Japan (MLIT) Step 4 diesel engines are required to use only Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm (mg/kg) sulfur or less. Biodiesel blends up to B20 (20% blend by volume) are acceptable when blended with 15 ppm (mg/kg) sulfur or less ULSD. B20 should meet ASTM D7467 specification (biodiesel blend stock should meet Cat biodiesel spec, ASTM D6751 or EN 14214). Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specification are required. Consult your OMM for further machine specific fuel recommendations.
- Cat engines equipped with a Selective Catalytic Reduction (SCR) system are required to use:
 - Diesel Exhaust Fluid (DEF) which meets the requirements outlined in the International Organization for Standardization (ISO) standard 22241-1.

Forward/Reverse Gears	8 Forward/6 Reverse	
Transmission	APECS, Direct Drive, Powershift	
Brakes		
Service	Multiple Oil Disc	
Service, Surface Area	23 000 cm ²	3,565 in ²
Parking	Multiple Oil Disc	
Secondary	Dual Circuit	

Circuit Type	Parallel	
Pump Type	Variable Piston	
Pump Output	210 L/min	55.7 gal/min
Maximum System Pressure	24 150 kPa	3,500 psi
Reservoir Tank Capacity	64.0 L	16.9 gal
Standby Pressure	6100 kPa	885 psi

- Pump output measured at 2,150 rpm.

M3/12M3 AWD Motor Graders Specifications

General Specifications

Top Speed		
Forward	46.6 km/h	29.0 mph
Reverse	36.8 km/h	23.0 mph
Turning Radius, Outside Front Tires	7.8 m	25 ft 7 in
Steering Range – Left/Right	50°	
Articulation Angle – Left/Right	20°	
Forward		
1st	4.1 km/h	2.5 mph
2nd	5.5 km/h	3.4 mph
3rd	8.0 km/h	5.0 mph
4th	11.0 km/h	6.9 mph
5th	17.1 km/h	10.6 mph
6th	23.3 km/h	14.5 mph
7th	32.0 km/h	19.9 mph
8th	46.6 km/h	29.0 mph
Reverse		
1st	3.2 km/h	2.0 mph
2nd	6.0 km/h	3.7 mph
3rd	8.7 km/h	5.4 mph
4th	13.5 km/h	8.4 mph
5th	25.3 km/h	15.7 mph
6th	36.8 km/h	23.0 mph

• Calculated with no slip and 14.0R24 tires.

Fuel Capacity	394 L	104 gal
Cooling System	57.0 L	15.0 gal
Hydraulic System		
Total	100 L	26.4 gal
Tank	64.0 L	16.9 gal
Engine Oil	30.0 L	7.9 gal
Trans./Diff./Final Drives	70.0 L	18.5 gal
Tandem Housing (Each)	76.0 L	20.0 gal
Front Wheel Spindle Bearing Housing	0.5 L	0.13 gal
Circle Drive Housing	7.0 L	1.8 gal
Diesel Exhaust Fluid	22.0 L	5.8 gal

Circle

Diameter	1530 mm	60.2 in
Height	138 mm	5.4 in
Blade Beam Thickness	40.0 mm	1.6 in

Drawbar

Height	152 mm	6.0 in
Width	76.2 mm	3.0 in
Thickness	12.7 mm	0.50 in

Front-Top/Bottom Plate

Width	305 mm	12.0 in
Thickness	22.0 mm	0.87 in

Front Frame Structure

Height	321 mm	12.6 in
Width	305 mm	12.0 in

Front Axle

Height to Center	596 mm	23.5 in
Wheel Lean, Left/Right	18°	
Total Oscillation per Side	32°	

• Front-top/bottom plate – width tolerance ± 2.5 mm (0.098 in).

Height	506 mm	19.9 in
Width	201 mm	7.9 in
Sidewall Thickness		
Inner	16.0 mm	0.63 in
Outer	18.0 mm	0.71 in
Drive Chain Pitch	50.8 mm	2.0 in
Wheel Axle Spacing	1523 mm	60.0 in
Tandem Oscillation		
Front Up	15°	
Front Down	25°	

12M3/12M3 AWD Motor Graders Specifications

Blade		
Blade Width	3.7 m	12 ft
Moldboard		
Height	610 mm	24.0 in
Thickness	22.0 mm	0.87 in
Arc Radius	413 mm	16.3 in
Throat Clearance	166 mm	6.5 in
Cutting Edge		
Width	152 mm	6.0 in
Thickness	16.0 mm	0.60 in
End Bit		
Width	152 mm	6.0 in
Thickness	16.0 mm	0.60 in
Blade Pull		
Base GVW	11 462 kg	25,269 lb
Maximum GVW	15 541 kg	34,262 lb
Base GVW (AWD)	16 170 kg	35,649 lb
Maximum GVW (AWD)	22 512 kg	49,630 lb
Blade Down Pressure		
Base GVW	7275 kg	16,038 lb
Maximum GVW	13 294 kg	29,309 lb
Base GVW (AWD)	8151 kg	17,970 lb
Maximum GVW (AWD)	13 294 kg	29,309 lb
Circle Centershift		
Right	728 mm	28.7 in
Left	695 mm	27.4 in
Moldboard Sideshift		
Right	660 mm	26.0 in
Left	510 mm	20.1 in
Maximum Blade Position Angle	90°	
Blade Tip Range		
Forward	40°	
Backward	5°	
Maximum Shoulder Reach Outside of Tires		
Right	1978 mm	77.9 in
Left	1790 mm	70.5 in
Maximum Lift Above Ground	480 mm	18.9 in
Maximum Depth of Cut	715 mm	28.1 in

Ripper		
Ripping Depth, Maximum	426 mm	16.8 in
Ripper Shank Holders	5	
Ripper Shank Holder Spacing	533 mm	21.0 in
Penetration Force	9440 kg	20,812 lb
Pryout Force	12 607 kg	27,794 lb
Machine Length Increase, Beam Raised	1031 mm	40.6 in
Scarifier		
Front, V-Type; Working Width		
Working Width	1205 mm	47.4 in
Front, V-Type, 5 or 11 Tooth		
Working Width	1031 mm	40.6 in
Scarifying Depth, Maximum	467 mm	18.4 in
Scarifier Shank Holders	5/11	
Scarifier Shank Holder Spacing	116 mm	4.6 in
Mid, V-Type		
Working Width	1184 mm	46.6 in
Scarifying Depth, Maximum	292 mm	11.5 in
Scarifier Shank Holders	11	
Scarifier Shank Holder Spacing	116 mm	4.6 in
Rear		
Working Width	2133 mm	84.0 in
Scarifying Depth, Maximum	426 mm	16.8 in
Scarifier Shank Holders	9	
Scarifier Shank Holder Spacing	267 mm	10.5 in

Weights		
Gross Vehicle Weight, Base		
Total	16 974 kg	37,420 lb
Front Axle	4238 kg	9,343 lb
Rear Axle	12 736 kg	28,077 lb
Gross Vehicle Weight, Maximum		
Total	25 013 kg	55,144 lb
Front Axle	7745 kg	17,075 lb
Rear Axle	17 268 kg	38,069 lb
Operating Weight, Typically Equipped		
Total	19 344 kg	42,647 lb
Front Axle	5468 kg	12,055 lb
Rear Axle	13 876 kg	30,592 lb

12M3/12M3 AWD Motor Graders Specifications

Gross Vehicle Weight, Base

Total	17 966 kg	39,609 lb
Front Axle	4749 kg	10,469 lb
Rear Axle	13 217 kg	29,140 lb

Gross Vehicle Weight, Maximum

Total	25 013 kg	55,144 lb
Front Axle	7745 kg	17,075 lb
Rear Axle	17 268 kg	38,069 lb

Operating Weight, Typically Equipped

Total	20 236 kg	44,614 lb
Front Axle	5945 kg	13,107 lb
Rear Axle	14 291 kg	31,507 lb

- Base operating weight on standard machine configuration is calculated with full fuel tank, coolant, lubricants, operator and 14.0R24 tires with single-piece (SP) rims.
- Typically equipped operating weight is calculated with push block, rear ripper/scarifier, 14.0R24 tires with single-piece (SP) rims, and other equipment.

Standards

ROPS/FOPS	ISO 3471/ISO 3499
Steering	ISO 5010
Brakes	ISO 3450
Sound	ISO 6394; ISO 6395

- The declared dynamic operator sound pressure level is 71 dB(A) for the 12M Series 3 and 12M Series 3 AWD when "ISO 6396:2008" is used to measure the value for a European Union "CE" marked machine. The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.
- The declared exterior sound power level is 107 dB(A) for the 12M Series 3 and 12M Series 3 AWD when the value is measured according to the dynamic test procedures and the conditions that are specified in "ISO 6395:2008." The measurement was conducted for a European Union "CE" marked machine at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds and during diesel particulate filter regeneration.

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.8 kg of refrigerant which has a CO₂ equivalent of 2.574 metric tonnes.

CRAIGHEAD COUNTY
INVITATION TO BID-Not an Order
 Craighead County Judge's Office
 511 Union St.; Suite 119
 Jonesboro, Arkansas 72401

PURCHASING OFFICE

BID NO. 2018-35

DATE: December 21, 2018

Sealed bids, subject to the conditions on the reverse hereof, and as may be attached hereto, will be received at this office until 2:00 PM January 10, 2019, local time, and then publicly opened, for furnishing the equipment, supplies, materials, and/or services as described below.

Bids will be opened January 10, 2019.
2:00 P.M. Local Time

F.O.B. Jonesboro, Arkansas

BY: Al Haines

Maximum Delivery or completion time after issuance of Purchase

PURCHASING DIRECTOR

Order or work ordered by County 120 days.

Item #	DESCRIPTION	QUANT	UNIT	UNIT PRICE	AMOUNT
1	Furnish two (2) motor graders with a three (3) year/3000 hour buy back program from the dealer to the Craighead County Road Dept as complete package, delivered and fully operational as per the attached specifications.	2			
2	This bid package contains 8 pages. All 8 pages must be returned to complete bid.				
3	Bid must be signed by authorized company representative.				
4	Bidder should: A. Clearly define and list warranty information on each item in years. B. Include all labor, delivery charges, training, programming, and any other charges FOB Jonesboro, Arkansas 72401, in bid price. C. Include product literature and specifications with bid. D. Include references of similar transactions to relative industries. E. Specify cash discounts, if available. F. Note bid number on outside of bid envelope. G. Specify approximate ship time in days, if awarded bid. <u>45 Days</u> F. List make, model, and manufacturer of equipment being offered. <u>John Deere 670G1P</u> G. Quote same or equal equipment in all aspects. H. Specify nearest service and parts supply location to Jonesboro, AR.				
5	Does bidder meet all motor grader specifications? Yes <u> </u> No <u>X</u> If no, clearly list and define differences on a separate sheet.				
6	Attached equipment list with names and part numbers is for reference.				
7	Bidder shall list purchase price per unit here. <u>\$209,453</u> Buyback price per unit here. <u>\$ Not Available</u>				
EXECUTION OF BID		Date <u> </u>			

We, the undersigned, have read all the requirements set forth in this bid proposal including specifications, instructions, conditions, and pertinent information regarding the articles being bid on, and we agree to furnish articles at the prices stated.

Arkansas Use Tax Register No.

Bidder Stirling Equipment, LLC Address 5707 Commerce Sq Jonesboro, AR

(Person Authorized to Sign Bids) Title

UNSIGNED BIDS WILL BE REJECTED

BIDS ARE SUBJECT TO REJECTION UNLESS SUBMITTED ON THIS FORM

NOTICE TO BIDDERS, SEE REVERSE SIDE OR ATTACHMENTS FOR INSTRUCTIONS AND CONDITIONS.

**CRAIGHEAD COUNTY
JONESBORO, ARKANSAS**

CONDITIONS OF BIDDING

Compliance with the following conditions is necessary for consideration of this bid.

- 1 Signature-This bid must be signed with the firm name and by an authorized officer, employee or agent.
- 2 Sales Tax-Is not to be shown in the bid price, but is to be added by the vendor to the invoice billing to the County.
The County is exempt from Arkansas State Sales Tax on road equip and vehicles. Contractors are to include all costs into the bid price, including applicable taxes.
- 3 Freight and other delivery charges-to destination at designated County facility in the County must be included in bid. Charges may not be added after the bid is opened.
- 4 Discounts-Show rate, total amount, and latest day any discounts will be allowed after receipt of article and invoice, otherwise County will deduct allowed discount when payment is made.
- 5 Firm Price-All prices quoted will remain firm for at least 30 days from date of bid, unless otherwise specified by the County or bidder.
- 6 Tax Exempt-Craighead County is exempt from State sales tax on self propelled equipment and motor vehicles. Example: Motor graders, excavators, dozers, dump trucks, pickup trucks, etc.
- 7 Identical Bids-In the event of two or more identical low bids, the contract may be awarded arbitrarily or for any reason to any of such bidders, or split in any proportion between the said two or more bidders at discretion of the County.
- 8 Clean up-Complete cleanup and proper disposal of any and all job related items is considered to be a part of any contract let by Craighead County.
- 9 Ambiguity in bid-Any ambiguity in any bid as the result of omission, error, lack of clarity or non-compliance specifications, instructions, and all conditions of bidding shall be construed in the light most favorable to the County.
- 10 Construction
A. When requested, the Contractor is to supply the County with evidence of having and maintaining proper and specifically Workman's Compensation Insurance in accordance with the laws of the State of Arkansas, Public Liability, and Property Damage. All premiums and cost shall be paid by Contractor. In no way will the County be responsible in case of accident.
B. A Performance Bond equaling the total amount of any bid exceeding \$20,000 must be provided for erection of any public building, public structure, or public improvement(Pursuant to Arkansas Code 18-44-503.)
- 11 The County reserves the right to reject any and all bids, accept in whole or in part, to waive informalities in bids received, to accept bids on materials or equipment with variations from specifications in those cases where efficiency of operation will not be impaired, and unless otherwise specified by bidder, to accept any item in the bid. If unit prices and extensions thereof do not coincide, the County may accept the bid for the lesser amount whether reflected by extension or by the correct multiple of the unit price.

INSTRUCTIONS TO BIDDERS

(Please read carefully)

- 1 Submit bid on bid form attached or reverse side of this sheet.
- 2 Address all bids to: Purchasing Director, Craighead County Judge's Office, 511 Union St., Suite 119, Jonesboro, Arkansas 72401 and make certain to indicate identifying bid number on the outside of bid envelope.
- 3 DO NOT include Federal Excise Tax in bid. County will furnish exemption Federal ID Tax Number.
- 4 State Manufacturer, Brand Name, Model, etc. for each item bid on.
- 5 Samples of items, when required must be furnished free, and, if not called for within 30 days from date of bid opening, will be disposed of by the County.
- 6 Bids received after stated time will not be considered.
- 7 Be sure and read all conditions and verify amounts before submitting bids. No changes or additions will be allowed after submission.
- 8 Guarantees and warranties should be attached as a part of the bid, as they may be a consideration in awarding contract.
- 9 Delivery or contract completion time is to be shown, as this date may, where time is of the essence, determine the contract award.
- 10 Additional information may be obtained from the Purchasing Department.

**THE COUNTY RESERVES THE RIGHT TO ACCEPT PART OR ALL OF ANY SPECIFIC BID OR BIDS
AND TO ACCEPT BID WITH OR WITHOUT TRADE-IN, AND REJECT ANY AND ALL BIDS.**

GENERAL CLAUSES AND CONDITIONS				
1	Motor grader units furnished shall be the latest type, proven model in current production (as offered to commercial trade); shall be of good quality as to workmanship and material. All units offered under this advertisement shall be new, 2020 year models and equal and equivalent to (Caterpillar 12M 3) motor grader with EPA TEIR FINAL engines. Units shall have all running, safety and working light packages, including, running, backup, turn signals, brake, flashing caution, moldboard, and all other required for safety and work.			
2	Specifications and printed literature covering units bidder proposed to furnish shall be submitted with bid package.			
3	Units to be assembled, adjusted, and made ready for continuous operation at time of delivery.			
4	Variations from specifications shall be listed on a separate sheet of paper and attached to bid. This sheet shall be labeled as such.			
5	Right is reserved to accept, reject, in whole or in part, to waive informalities in bids received, or accept bids with variations.			
6	Right is reserved to award bids separately on multiple items.			
7	Color: Units shall be painted with a high quality, long lasting, durable paint in the manufacturer's standard color.			
8	Bidder shall specify warranty on parts and labor with a minimum of 12 months.			
9	Bidder certifies he maintains a service facility and representative inventory of replacement parts within the State of Arkansas, or within a 150 mile radius of Jonesboro, Arkansas 72401.			
10	Bidder shall bid motor graders with a three (3) year/3000 hour dealer buyback program.			
11	Bidder shall list the purchase price per unit here and on top sheet. <u>\$ 209,353</u>			
12	Bidder shall list the guaranteed three (3) year/3000 hour dealer buy back price here per unit and on top sheet. <u>\$ not available</u>			
13	Additionally, please quote a five (5) year/5000 total machine warranty. <u>\$ 5,135.00</u>			
14	Please quote a three (3) year/2000 hour maintenance agreement by dealer. <u>\$ 9,151.00</u> This maintenance agreement should include labor and product to service equipment at 500, 1,000, 1,500, and 2,000 hours.			
15	Note: Please quote machines without scarifiers. - w/ scarifiers add 6,334			
16	Bid award will be determined by price, parts and repair facilities, warranties, buy back options, and any other options that may help to determine the best value for Craighead County.			
MOTOR GRADERS				
BID SPECIFICATION FOR CATERPILLAR 12M3 OR EQUIVALENT				
Note: Some of these specs may be specific to Caterpillar, please specify specifics to motor grader you are offering if different from these specifications.				
POWERTRAIN/TRANSMISSION				
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Machine shall be designed and built by the manufacturer.			
Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Base Machine Weight shall not be less than 37,145 LBS. Weight shall include: standard machine configuration, lubricants, coolants, full fuel tank and operator of 200 lbs.			
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Machine length from the front outside edge tire to end of tow hitch shall not be less than 350.3 inches.			
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Machine Wheel Base (distance from front axle to mid tandem) shall not be less than 232.8 in.			
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Machine height to top of the cab shall not exceed 129 in (3,278 mm).			

Y <input checked="" type="checkbox"/>	Front frame shall be a formed structural carbon steel tube, with a single, resistant welded seam.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	The rear frame shall have two box section channels with an integrated bumper.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	A standard rear hitch shall be provided.				
N <input type="checkbox"/>					
ENGINE					
Y <input checked="" type="checkbox"/>	Engine shall be designed and built by the manufacturer.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Engine shall be a turbo-charged, direct injection, four stroke, 6-cylinder diesel engine.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Engine shall be electronically controlled for more efficient fuel injection and fuel burn.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Engine shall develop, as standard, a rated net flywheel power of a least 162 HP to 220 HP, 1st through 8th gear.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Rated engine power shall not be achieved at an engine speed greater than 2000 rpm.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Engine shall be certified EPA Tier 4 final.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Engine shall allow for at least 500 hours of operation between oil changes.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	A jacket water heater shall be available to assist in cold weather starting.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Transmission shall be a direct drive, power shift, counter-shaft type.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Transmission direction and gear shifting shall be electronically and proportionally controlled from forward to reverse and from gear to gear for smoother shifts and better blade control as a standard feature.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Transmission shall not have less than 8 forward speeds and 6 reverse speeds.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Differential Lock/Unlock shall be electro-hydraulically controlled, as a standard feature.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Final drive shall be a planetary design.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Machine shall be equipped with an electronic inching pedal for improved modulation and machine control.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Machine shall be equipped with electronic over-speed protection to prevent the engine and transmission from over speeding, as a standard feature.				
N <input type="checkbox"/>					
BRAKES					
Y <input checked="" type="checkbox"/>	Service brakes shall be multi-disc, oil-cooled and completely sealed.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Service brakes shall be hydraulically actuated, utilizing dual independent brake circuits.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Entire braking system shall meet all requirements of ISO 3450.				
N <input type="checkbox"/>					

Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Service brakes shall provide access to check and determine brake wear without removing or disassembling the brake assembly.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Hydraulic brake accumulators shall be standard. Brakes should be available in the event of engine shutdown.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Engaged parking brake shall neutralize the transmission.				
HYDRAULIC SYSTEM						
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Hydraulic system shall be a closed center, load sensing type, with a variable displacement, axial piston-type pump.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Hydraulic system shall have a separate oil tank, solely dedicated to the implement pump.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	The hydraulic tank shall have a baffling system to reduce potential pump cavitations.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	All implement hydraulic connections shall have O-ring face seals for leak prevention.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	The maximum hydraulic system pressure shall be no more than 3,500 psi.				
FRONT AXLE AND TANDEMS						
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Front axle shall be an arched design for maximum ground clearance.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Tandems shall be capable of oscillating 15 degrees front tandem up and 25 degrees front tandem down, with full machine articulation and having no interference between tandem wheel and machine structure.				
OPERATORS STATION						
Y <input type="checkbox"/>	N <input checked="" type="checkbox"/>	Cab shall have angled floor design allowing direct visibility to moldboard.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	An enclosed cab with ROPS (Rollover Protective Structure) shall be provided.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Cab door shall have a hold-open clasp with a ground-level release and in addition to, a release in the cab.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Cab shall have wipers with washers on the door, front, and rear windows.				
Y <input type="checkbox"/>	N <input checked="" type="checkbox"/>	Wipers shall be available on side windows.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Left and right side cab doors shall be available.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	An electronic message system shall provide real-time machine performance and diagnostic data.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	An instrument cluster shall be provided that includes a speedometer, tachometer, coolant temperature, fuel and articulation angle gauge.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Machine hour meter shall be provided.				

Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	An air suspension seat shall be available.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A real-time information system shall monitor all system data and alert the operator of any faults through a digital text display.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A toolbox shall be provided.				
DRAWBAR, CIRCLE & MOLDBOARD						
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Moldboard shall have a bank slope angle capability of at least 90 degrees to both sides.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Circle and drawbar vertical adjustment points shall be available for ease of maintenance.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Moldboard side-shift cylinder shall be installed on the left-hand side, to prevent snow wing interference, with the cylinder rod.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Moldboard shall have a hydraulic tip control through a range of 40 degrees fore and 5 degrees aft.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A 14 ft long, 24 in high and no less than 7/8 in thick moldboard shall be available.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Moldboard slide rails shall be constructed of heat-treated, high carbon steel.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	The moldboard retention system shall have two retention points located on the left and right side of the moldboard.				
ELECTRICAL						
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Machine shall have 145 amp-hour, 1125 CCA heavy-duty batteries available.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Machine shall have a 150-amp alternator available.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Starting system shall be a 24V direct electric type.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A 24 V to 12 V converter with 10 amp capacity shall be standard.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Electrical system shall have a master disconnect switch with a removable key (in addition to the ignition switch), accessible from the ground level.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A 24V to 12V converter with 25 amp capacity shall be available.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Incandescent white reversing lamps and LED stop lamps shall be standard.				
SERVICEABILITY						
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A guard shall be available to protect the machine's transmission from debris.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A guard shall be available to suppress sound from the engine.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	A two-way communication tool shall give service technicians easy access to stored diagnostic data and allow configuration of machine parameters.				
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Machine shall provide 3 points of contact on all areas of the machine, for mounting and dismounting.				

Y <input checked="" type="checkbox"/>	The articulation joint shall have mechanical locking device to prevent frame articulation while servicing or transporting machine.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Left and right side tandem case assemblies shall be covered with punched steel plate to provide an adequate platform for standing and walking.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Sampling ports shall be accessible from the tandem level and provide access to the engine, hydraulic, coolant, and fuel ports.				
N <input type="checkbox"/>					
MINIMUM SERVICE FILL CAPACITIES					
Y <input checked="" type="checkbox"/>	Standard fuel tank capacity shall not be less than 98 gallons (378 L).				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Standard cooling system capacity shall not be less than 8.7 gallons (33 L).				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Standard hydraulic tank capacity shall not be less than 16.6 gallons (64 L).				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Standard engine oil capacity shall not be less than 3.6 gallons (14 L).				
N <input type="checkbox"/>					
SAFETY & ENVIRONMENTAL					
Y <input checked="" type="checkbox"/>	Hydraulic implement lockout shall be achieved by actuating a single electrical switch within the operator station.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Secondary, electric steering pump shall be provided as a backup to the primary implement hydraulic pump, as standard.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Machine shall have back-up lights and sounding alarm as standard when reverse gears are selected.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	An external emergency kill switch shall be available for ground level engine shut down.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	A guard shall be available to protect the machine's transmission from debris.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Machine shall provide dual exits allowing for emergency egress should one side become obstructed.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Machine shall have laminated glass for the front windows and doors to protect the operator from shattered glass.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Two thousand pound front push block				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Integrated cross slope.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Outside mounted mirrors.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Blade lift accumulators.				
N <input type="checkbox"/>					
Y <input checked="" type="checkbox"/>	Product link.				
N <input type="checkbox"/>					

OPTIONAL BID OFFER

Optional Equipment Offer:

Craighead will consider as an optional bid proposal for two (2) new or used like new, excellent condition, one or two year earlier model from manufacture date, full warranty on parts and labor that is equal to the specifications of this bid package with variances to be considered by Craighead County. All pertinent information should be offered and clearly defined in all areas relative to the equipment being offered. Variances from above bid specifications shall be clearly listed and defined.

Motor graders being requested is quantity of two(2). **Used equipment is defined as machinery being at lease one (1) year in age from the date of original manufacture or that has at least 250 working hours. Craighead County will consider motor graders with hours between 250 and 500 hours and 1 to 2 years from date of manufacture.**

Please specify in detail, the following information

1. Make:
2. Year Model and Series:
3. Serial/Vin #:
4. Certified Manufactured date:
5. Certified hours of machine usage:
6. Condition:
7. Photos and maintenance records:
8. Warranty, clearly defined:
9. Additional information welcome:
10. Please specify if equipment being offered is new or used:
11. Bid price per unit:

\$

Quote Id: 18728153

27 December 2018

CRAIGHEAD COUNTY
511 Union St
Jonesboro, AR 72401

To Whom It May Concern:

Thank you for allowing us to present you with the attached quote. We understand that there are a lot of equipment providers in the area and we appreciate this opportunity.

Please review this document and feel free to reach out to me with any further questions you may have.

Thank you,

DANIEL WATSON
870-268-9900
Stribling Equipment, LLC

Quote Summary

Prepared For:
CRAIGHEAD COUNTY
511 Union St
Jonesboro, AR 72401
Business: 870-933-4500

Prepared By:
DANIEL WATSON
Stribling Equipment, LLC
5707 Commerce Square
Jonesboro, AR 72401
Phone: 870-268-9900
dwatson@striblingequipment.com

Quote Id: 18728153
Created On: 27 December 2018
Last Modified On: 10 January 2019
Expiration Date: 08 February 2019

Equipment Summary	Selling Price	Qty	Extended
JOHN DEERE 670G MOTOR GRADER	\$ 209,853.00 X	1 =	\$ 209,853.00
John Deere Extended Warranty-60mo 5000hr Full Machine Comprehensive, 5000Total Hours or 60Total Months, \$ 200.00 Deductible	\$ 5,135.00 X	1 =	\$ 5,135.00
Sub Total			\$ 214,988.00
Equipment Total			\$ 214,988.00

Quote Summary

Equipment Total	\$ 214,988.00
DOCUMENTATION FEE	\$ 0.00
SubTotal	\$ 214,988.00
Total	\$ 214,988.00
Down Payment	(0.00)
Rental Applied	(0.00)
Balance Due	\$ 214,988.00

Salesperson : X _____

Accepted By : X _____

Selling Equipment

Quote Id: 18728153

Customer: CRAIGHEAD COUNTY

JOHN DEERE 670G MOTOR GRADER

Hours:

Stock Number:

Code	Description	Qty
8440T	670G MOTOR GRADER	1
Standard Options - Per Unit		
170C	JDLink Ultimate Cellular - 5 Years	1
1030	Dual Joystick Controls	1
1140	John Deere PowerTech PSS 9.0L meets EPA FT4 Emissions	1
1240	Dual 100 Amp Alternators (200 Amp total)	1
1320	No Quick Service Group	1
1410	Standard Fuel & Water Filtration	1
1610	Hydraulic Pump Disconnect	1
1830	Engine Exhaust with Flat Black Stack (EPA FT4 only)	1
1910	Blade Impact Absorption System	1
2060	14 Ft. x 24 In. x 7/8 In. (4.27M x 610mm x 22mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 5/8 in. (16mm) Hardware	1
2575	No Grade Control Base Kit Installed	1
2605	English Labels and Decals	1
2775	No Topcon 3D GPS Grade Control System installed	1
2820	Single Input Gearbox with Slip Clutch	1
4924	No Brand Preference	1
5060	Grade Pro Low Cab w/ Lower Front and Side Opening Windows	1
5510	Autoshift Transmission	1
5710	Transmission Solenoid Valve Guard	1
5815	Hydrau	1
6010	Powered Cab Air Precleaner	1
6140	Grade Pro Premium Heated, Leather/ Fabric, High-Wide Back Air Suspension Seat	1
6550	Grade Pro Base Controls	1
6650	Grade Pro Controls - Left Side	1
6710	Front Push Block	1
6820	Rear Counterweight with Rear Hitch and Pin	1

Selling Equipment

Quote Id: 18728153**Customer:** CRAIGHEAD COUNTY

7130	Grading Lights (10 Halogen Lights)	1
7820	No Front Fenders	1
8120	24-to-12 Volt Converter (30 amps peak / 25 amps continuous)	1
8210	Exterior Mounted Rearview Mirrors	1
8310	Lower Front Intermittent Wiper & Washer	1
8415	Premium AM/FM Radio with Bluetooth, Aux and Weather Band (WB).	1
8510	Air Conditioner Refrigerant Charged	1
8730	No Sound Absorption Package	1
8810	Rear Camera	1
9210	Decelerator	1
9273	Right Side Engine Compartment Work Light	1
9360	Engine Block Heater	1
9724	17.5R25 L2 1 STAR NO BRAND PREFERRED WITH 3PC RIM	1

Service Agreements

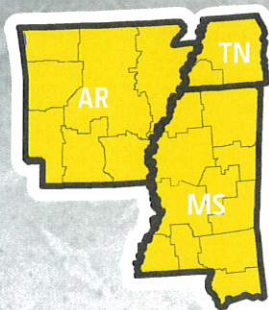
John Deere Extended Warranty - 60mo
5000hr Full Machine

Motor Grader Differences January 10, 2019

- John Deere 670GP weight is 34,180lbs (PG3)
- John Deere does not have an angled floor design, the John Deere is a flat floor design (PG 5)
- John Deere does not have windshield wipers on side glass (PG 5)
- John Deere has a pad lock design on their electrical disconnect (PG 6)



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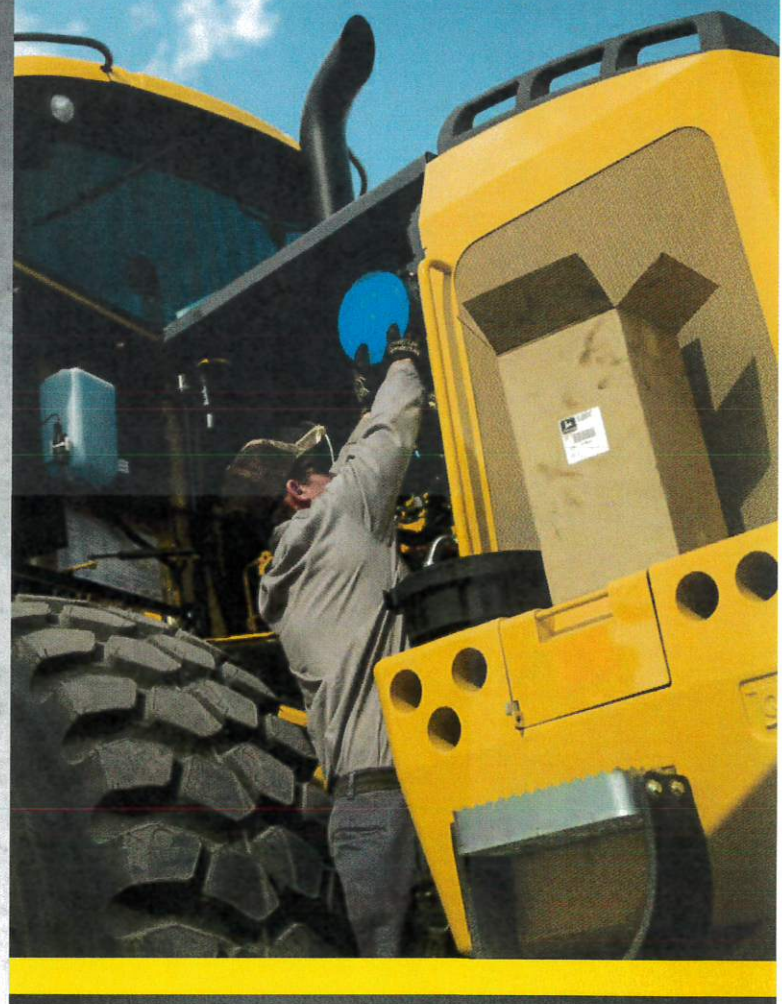
For additional information
please call us toll free at
800-682-6409

Arkadelphia, AR.....870-246-8678	Greenwood, MS.....662-453-7556
Camden, AR.....870-574-0290	Hattiesburg, MS.....601-544-3000
Fort Smith, AR.....479-646-8381	Jackson, MS.....601-939-1000
Little Rock, AR.....501-455-2540	Meridian, MS.....601-482-5575
Monticello, AR.....870-367-3496	Natchez, MS.....601-442-3613
Springdale, AR.....479-756-9779	Philadelphia, MS.....601-656-1997
Texarkana, AR.....870-772-9321	Tupelo, MS.....662-844-3212
Biloxi, MS.....228-365-0000	Memphis, TN.....901-345-5294
Brookhaven, MS.....601-835-4400	Jackson, TN.....731-422-2542
Columbus, MS.....662-328-0820	



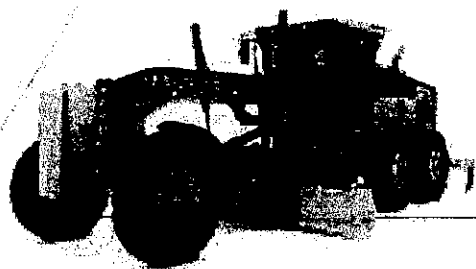
PRO SOLUTIONS

An Ultimate Uptime solution featuring
John Deere WorkSight™



JOHN DEERE

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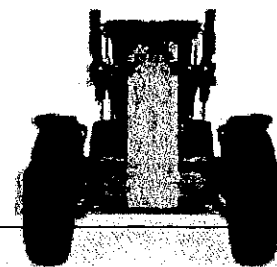
670G / GP

SPECIFICATIONS

Manufacturer and Model	John Deere PowerTech™ Plus 9.0L	John Deere PowerTech™ 9.0L	John Deere PowerTech Plus 6.8L	John Deere PowerTech 6.8L
Non-Road Emission Standard	EPA Tier 3/EU Stage IIIA	EPA Tier 2/EU Stage II	EPA Tier 3/EU Stage IIIA	EPA Tier 2/EU Stage II
Cylinders	6	6	6	6
Displacement	9.0L (548 cu. in.)	9.0L (548 cu. in.)	6.8L (414 cu. in.)	6.8L (414 cu. in.)
Net Engine Power				
Gear 1	123 kW (165 hp)	123 kW (165 hp)	116 kW (155 hp)	116 kW (155 hp)
Gear 2	134 kW (180 hp)	134 kW (180 hp)	119 kW (160 hp)	119 kW (160 hp)
Gear 3	146 kW (195 hp)	146 kW (195 hp)	131 kW (175 hp)	131 kW (175 hp)
Gear 4	153 kW (205 hp)	153 kW (205 hp)	138 kW (185 hp)	134 kW (180 hp)
Gear 5	157 kW (210 hp)	157 kW (210 hp)	142 kW (190 hp)	138 kW (185 hp)
Gear 6	164 kW (220 hp)	164 kW (220 hp)	146 kW (195 hp)	138 kW (185 hp)
Gear 7	168 kW (225 hp)	168 kW (225 hp)	149 kW (200 hp)	138 kW (185 hp)
Gear 8	172 kW (230 hp)	172 kW (230 hp)	153 kW (205 hp)	138 kW (185 hp)
Net Peak Torque	1204 Nm (888 lb.-ft.)	1204 Nm (888 lb.-ft.)	915 Nm (675 lb.-ft.)	831 Nm (613 lb.-ft.)
Net Torque Rise	63%	63%	42%	44%
Aspiration	Turbocharged, charge-air cooled	Turbocharged, charge-air cooled	Turbocharged, charge-air cooled	Turbocharged, charge-air cooled
Lubrication	Full-flow spin-on filter and integral cooler	Full-flow spin-on filter and integral cooler	Full-flow spin-on filter and integral cooler	Full-flow spin-on filter and integral cooler
Air Cleaner with Restriction Indicator	Dual element, dry	Dual element, dry	Dual element, dry	Dual element, dry
Engine Coolant, Extended Life, Rating	-37 deg. C (-34 deg. F)			
Transmission	Direct-drive John Deere PowerShift Plus™, modulated shift-on-the-go, Event-Based Shifting (EBS), inching pedal; independent transmission reservoir with separate filtration and cooling system with 117-L/min. (31 gpm) gear pump			
Gears				
Forward	8			
Reverse	8			
Maximum Travel Speeds	No tire slip at 2,180 rpm, 14.0-R24 tires			
Gear 1	4.0 km/h (2.5 mph)			
Gear 2	5.6 km/h (3.5 mph)			
Gear 3	7.7 km/h (4.8 mph)			
Gear 4	10.9 km/h (6.8 mph)			
Gear 5	16.4 km/h (10.2 mph)			
Gear 6	23.2 km/h (14.4 mph)			
Gear 7	32.3 km/h (20.1 mph)			
Gear 8	45.5 km/h (28.3 mph)			
Front Axle	Heavy-duty welded fabrication			
Oscillation (total)	32 deg.			
Wheel Lean Angle (each direction)	20 deg.			
Differentials	Spiral bevel; hydraulically actuated, clutch type can be applied on-the-go; selectable manual or automatic differential lock			
Steering (all models include steering wheel)	All-hydraulic power-frame articulation for maneuverability and productivity; crab steering reduces side drift; positions tandems on firm ground; and increases side-slope stability; return-to-straight control included in Grade Pro (GP) option			
Turning Radius (front steer and articulation)	7.21 m (284 in.) (23 ft. 8 in.)			
Articulation (both right and left)	22 deg.			
Final Drives	Inboard-mounted planetary sealed in cooled, filtered oil			
Brakes	Foot-controlled, hydraulically operated, multiple wet-disc brakes sealed in pressurized, cooled, filtered oil; both independent systems effective on all 4 tandem wheels			
Primary and Secondary Brakes	Hydraulically actuated, inboard of tandem pivot, self-adjusting, sealed in cooled and filtered oil, multi-disc (ISO 3450)			
Parking Brake	Automatically spring applied, hydraulically released, oil cooled, self-adjusting (ISO 3450)			
Type	Closed-center, pressure-compensated load-sensing (PCLS), variable-displacement piston pump			
Maximum Pump Flow	212 L/min. (56 gpm)			
Maximum System Pressure	18 961 kPa (2,750 psi)			
Pump Displacement	90 cm³ (5.5 cu. in.)			

670G / GP

SPECIFICATIONS



Blade Function	
All-hydraulic, industry-standard lever placement of blade-function controls; includes float position; 7 discrete saddle positions	
Blade Range	
Lift Above Ground	490 mm (19.3 in.)
Blade Side Shift (right or left)	683 mm (26.9 in.)
Pitch at Ground Line	
Forward	42 deg.
Back	5 deg.
Shoulder Reach Outside Wheels (frame straight, right or left)	2083 mm (82.0 in.) (6 ft. 10 in.)
Bank Cut Angle (right or left)	90 deg.
At Maximum Operating Weight	
	15 501 kg (34,173 lb.)
Electrical System	
Solid-state load center and sealed-switch module	
EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II	
Voltage	24 volt
Number of Batteries	2
Battery Capacity	1,400 CCA
Reserve Capacity	440 min.
Amp-Hour Rating	224 amp-hour
Alternator Rating	
Base	100 amp
Optional	130 amp
Lights	
Driving lights: 2 high- and 2 low-beam halogen headlights; front and rear LED turn signals and marker lights; LED brake and hazard warning lights	
Blade Construction	
Type	Welded box construction
Width (minimum)	307 mm (12.1 in.)
Height (minimum)	307 mm (12.1 in.)
Thickness	
Side	16 mm (0.63 in.)
Top and Bottom Plate	23 mm (0.89 in.)
Modulus	
Minimum Vertical Section	1445 cm ³ (88 cu. in.)
Average Vertical Section at Saddle	2245 cm ³ (137 cu. in.)
Blade Mounting	
Welded box construction machined for flatness with double ball-and-socket pivot connection equipped with quick-change replaceable wear inserts	
Circle	
Welded construction, heat-treated, machined for flatness, equipped with quick-change replaceable wear inserts	
Circle Diameter	1524 mm (60 in.)
Rotation	360 deg.
Drive	Hydraulic motor and worm gear with positive lock
Circle Side Shift (right and left)	787 mm (31 in.)
Blade Edge	
High-strength, pre-stressed for higher strength; wear-resistant, high-carbon steel and reversible end bits; blade side-shift wear system includes quick-change replaceable wear inserts and quick-adjust jackscrew system	
Base Length	3.66 m (12 ft. 0 in.)
Height (measured along arc, including cutting edge)	610 mm (24 in.)
Thickness	22 mm (0.88 in.)
Dura-Max™ through-hardened steel edge	
Thickness	16 mm (0.62 in.)
Width	152 mm (6 in.)

Scarfing		670G/GP
	Front	Mid-mount
Type	V-type toolbar with manual 2-pitch positions and hydraulic float	Radial linkage with NeverGrease™ pin joints; V-type manual 3-pitch positions and hydraulic float
Width of Cut	1.20 m (48 in.) (4 ft. 0 in.)	1.19 m (46.7 in.) (3 ft. 11 in.)
Number of Shanks/Teeth	5 (maximum capacity 9)	11
Lift Above Ground	589 mm (23.2 in.)	335 mm (13.2 in.)
Maximum Depth	335 mm (13.2 in.)	325 mm (12.8 in.)
Shank		
Spacing	146 mm (5.75 in.)	117 mm (4.6 in.)
Size	25 x 76 mm (1 x 3 in.)	25 x 76 mm (1 x 3 in.)

Parallel linkage, mechanical pins, and hydraulic float

Lift	
Above Ground (top of tube)	1864 mm (73.4 in.)
Range	988 mm (38.9 in.)

Parallel linkage, with NeverGrease pin joints, hydraulic float, and integrated hitch

Ripper		Scarifier
Width of Cut	2.21 m (87.2 in.) (7 ft. 3 in.)	2.18 m (86 in.) (7 ft. 2 in.)
Number of Shanks/Teeth	3 (maximum capacity 5)	None standard (maximum capacity 9)
Lift Above Ground	602 mm (23.7 in.)	810 mm (31.9 in.)
Maximum Depth	426 mm (16.8 in.)	323 mm (12.7 in.)
Force at Typical FT4 Weight		
Penetration	9520 kg (20,987 lb.)	—
Pry-Out	12 544 kg (27,656 lb.)	—
Shank Size	61.5 x 133 mm (2.42 x 5.25 in.)	25 x 76 mm (1 x 3 in.)

Low-profile cab with ROPS (ISO 3471-2008) and FOPS (ISO 3449-2005)

	14R24 on 254-mm (10 in.) Rim	17.5R25 on 356-mm (14 in.) Rim
Wheel Tread on Ground	2.08 m (82.0 in.)	2.16 m (85.0 in.)
Overall Width	2.49 m (98.0 in.)	2.64 m (104.0 in.)
Ground Clearance (front axle)	587 mm (23.1 in.)	587 mm (23.1 in.)

EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II

Refill Capacities	9.0L engine	6.8L engine
Fuel Tank	416.5 L (110 gal.)	416.5 L (110 gal.)
Cooling System	48.5 L (12.8 gal.)	44.0 L (11.6 gal.)
Engine Oil with Filter	28.0 L (7.4 gal.)	26.0 L (6.9 gal.)
Transmission Fluid	28.4 L (7.5 gal.)	28.4 L (7.5 gal.)
Differential Housing	38.0 L (10 gal.)	38.0 L (10 gal.)
Tandem Housings (each)	74.0 L (19.5 gal.)	74.0 L (19.5 gal.)
Circle Gearbox	5.7 L (1.5 gal.)	5.7 L (1.5 gal.)
Hydraulic Reservoir	53.0 L (14 gal.)	53.0 L (14 gal.)

With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboard with 152-mm x 16-mm (6 in. x 5/8 in.) Cutting Edges, 14-24 Bias L2 Tires, and 79-kg (175 lb.)

Operator		EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II
Front		4188 kg (9,232 lb.)
Rear		11 316 kg (24,948 lb.)
Total		15 504 kg (34,180 lb.)

Typical Operating Weight with Front Push Block, Rear Ripper/Scarifier, and Other Equipment

Front	5476 kg (12,072 lb.)
Rear	13 053 kg (28,778 lb.)
Total	18 529 kg (40,850 lb.)
Maximum Operating Weight	24 948 kg (55,000 lb.)

Option Weights (continued) 670G/GP

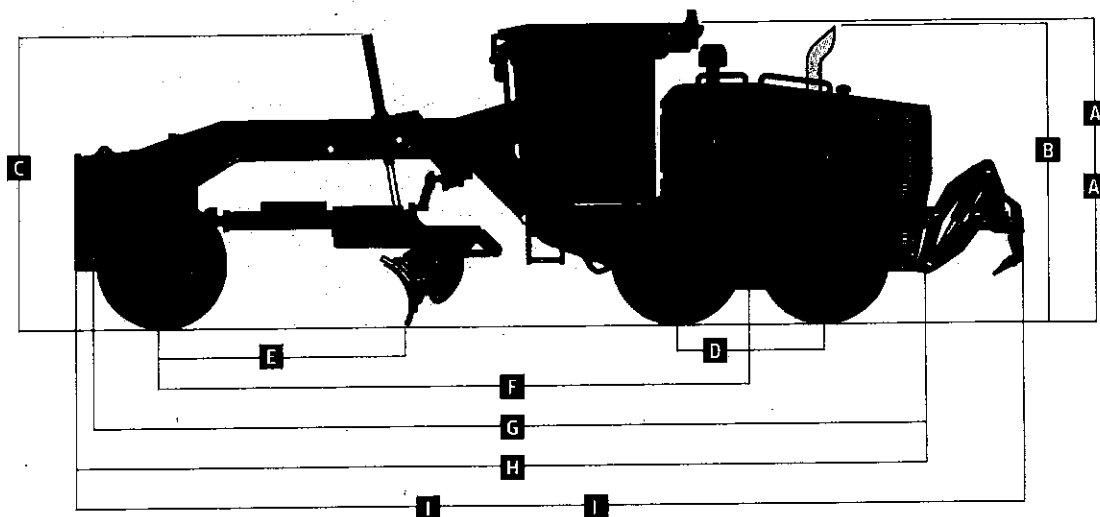
Moldboards with Through-Hardened Dura-Max Cutting Edge	
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x 7/8 in.) with 152-mm x 16-mm (6 in. x 5/8 in.) cutting edge and 16-mm (5/8 in.) hardware	0 kg (0 lb.)
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x 7/8 in.) with 203-mm x 19-mm (8 in. x 3/4 in.) cutting edge and 16-mm (5/8 in.) hardware	45 kg (99 lb.)
3.66 m x 686 mm x 25 mm (12 ft. x 27 in. x 1 in.) with 203-mm x 19-mm (8 in. x 3/4 in.) cutting edge and 16-mm (5/8 in.) hardware	126 kg (277 lb.)
3.96 m x 686 mm x 25 mm (13 ft. x 27 in. x 1 in.) with 203-mm x 19-mm (8 in. x 3/4 in.) cutting edge and 16-mm (5/8 in.) hardware	180 kg (396 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x 7/8 in.) with 152-mm x 16-mm (6 in. x 5/8 in.) cutting edge and 16-mm (5/8 in.) hardware	105 kg (231 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x 7/8 in.) with 203-mm x 19-mm (8 in. x 3/4 in.) cutting edge and 16-mm (5/8 in.) hardware	157.4 kg (347 lb.)
4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.) with 203-mm x 19-mm (8 in. x 3/4 in.) cutting edge and 16-mm (5/8 in.) hardware	251 kg (554 lb.)
4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.) with 203-mm x 19-mm (8 in. x 3/4 in.) cutting edge and 19-mm (3/4 in.) hardware	261 kg (575 lb.)
Extensions: 610 mm (2 ft.) (right or left)	
For Use with 610-mm (24 in.) Moldboards	116 kg (255 lb.)
For Use with 686-mm (27 in.) Moldboards	120 kg (265 lb.)
Overlay End Bits, Reversible (one pair)	
For 152-mm (6 in.) Cutting Edge	19.5 kg (43 lb.)
For 203-mm (8 in.) Cutting Edge	23 kg (51 lb.)
Heavy-Duty Dual-Input Circle-Drive Gearbox	
Circle-Drive Slip Clutch	9 kg (20 lb.)
Moldboard Impact Absorption System	
Ripper/Scarifier, Rear Mounted with Hitch and Ripper Shanks (3)	1139 kg (2,510 lb.)
Scarifier Shanks with Teeth (9 for rear ripper/scarifier)	68 kg (150 lb.)
Ripper Shanks and Teeth (2)	63 kg (139 lb.)
Rear Counterweight with Integral Rear Hitch	727 kg (1,603 lb.)
Rear Hitch	54.4 kg (120 lb.)

A Height to Top of Cab	3.18 m (10 ft. 5 in.)
A Height to Top of Full-Height Cab	3.40 m (11 ft. 2 in.)
B Height to Top of Exhaust	3.10 m (10 ft. 2 in.)
C Height to Top of Blade Lift Cylinders	3.05 m (10 ft. 0 in.)
D Tandem Axle Spacing	1.54 m (5 ft. 1 in.)
E Blade Base	2.57 m (8 ft. 5 in.)

Option Weights (continued) 670G/GP

Push Block, Front	
Scarifier	1338 kg (2,950 lb.)
Front Mount with Teeth (5)	
Mid-Mount with Teeth (11)	831 kg (1,833 lb.)
Front Lift Group (Balderson-style)	1481 kg (3,265 lb.)
Tires	
14.00-24, 12 PR G2	763 kg (1,682 lb.)
17.5-25, 12 PR G2/L2	0 kg (0 lb.)
14.00-R24, Radial, G2/L2 General Purpose	114 kg (252 lb.)
14.00-R24, Radial, G2/L2 Snow	220 kg (486 lb.)
17.5-R25, Radial, L2 General Purpose	261 kg (576 lb.)
17.5-R25, Radial, G2/L2 Snow	272 kg (600 lb.)
17.5-R25, Radial, G3/L3 General Purpose	316 kg (696 lb.)
1-Piece Rims	
229 mm x 610 mm (9 in. x 24 in.)	362 kg (798 lb.)
330 mm x 635 mm (13 in. x 25 in.)	0 kg (0 lb.)
Multi-Piece Rims	
254 mm x 610 mm (10 in. x 24 in.)	65 kg (144 lb.)
356 mm x 635 mm (14 in. x 25 in.)	180 kg (396 lb.)
Fenders	
Front	267 kg (588 lb.)
Rear	77 kg (169 lb.)
Low Cab with Opening Front and Side Windows	
Premium Air Suspension, Heated Seat with Adjustable Arm, and Headrests	141 kg (310 lb.)
Coolant Heater	14.5 kg (32 lb.)
Quick Service	13 kg (28 lb.)
Sound-Absorption Package (machines equipped with Tier 3/Stage IIIA and Tier 2/Stage II engines only)	14 kg (31 lb.)
Secondary Steering	
Beacon Bracket	26 kg (58 lb.)
Fire Extinguisher	8 kg (18 lb.)
Lighting Packages	
10 Halogen Lights	145 kg (32 lb.)
16 Halogen Lights	4.5 kg (10 lb.)
18 Halogen Lights	7 kg (16 lb.)
High-Front Light Bar for Snowplowing	8 kg (18 lb.)
Auxiliary Hydraulic Control Valve Section and Controls	20 kg (44 lb.)
Hydraulics for Front-Mounted Equipment	7 kg (15 lb.)

F Wheelbase	9 kg (19 lb.)
G Overall Length	6.16 m (20 ft. 3 in.)
H Overall Length with Scarifier	8.89 m (29 ft. 2 in.)
I Overall Length with Push Block and Ripper	9.69 m (31 ft. 9 in.)
I Overall Length with Scarifier and Ripper	9.99 m (32 ft. 9 in.)
<i>For Overall Width see Tires/Wheels on page 20.</i>	



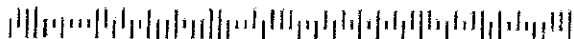
Jonesboro Sun
518 Carson
Jonesboro AR 72401

1-000000008

ADVERTISING INVOICE / STATEMENT

1/1

BILLING DATE	TERMS OF PAYMENT
12/30/2018	Upon Receipt



*****AUTO**5-DIGIT 72401
CRAIGHEAD COUNTY JUDGES OFFICE BILLING
Dept
511 Union St. Ste 119
Jonesboro AR 72401-2863

BILLED ACCOUNT NO	AGENCY/CLIENT
90035632	90035632
NAME OF AGENCY/CLIENT	
CRAIGHEAD COUNTY JUDGES OFFICE BILLING	

DATE	AD #	TRANS #	DESCRIPTION	INS	UNITS	AMOUNT	TOTAL
12/17/2018		400680034	Balance Forward			78.65	78.65
12/21/2018	90769792	302296158	Payment Check 072479 Lockbox Import			-78.65	0.00
			NOTICE TO BIDDERS Craighead Co -			81.25	81.25
			20JN Jonesboro Sun - NOTICE TO	1	4.88ln		
12/30/2018	90769792	302299530	NOTICE TO BIDDERS Craighead Co -			81.25	162.50
			20JN Jonesboro Sun - NOTICE TO	1	4.88ln		

PERIOD 12 2018	AGING			
	Period 11 2018	Period 10 2018	Period 9 2018	Period 8 2018
\$ 162.50	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

TOTAL NET AMOUNT DUE
\$ 162.50

PLEASE RETURN THIS PORTION
WITH YOUR REMITTANCE

If you desire to charge this amount to your credit card, please complete the following information
and return to the address below: ☐ Visa ☐ Mastercard ☐ Discover ☐ American Express
Acct# _____ Exp Date: _____
Signature _____

BILLED ACCOUNT NO.	BILLED ACCOUNT NAME	AMOUNT DUE
124 90035632	CRAIGHEAD COUNTY JUDGES OFFICE	\$ 162.50

REMIT TO
Jonesboro Sun c/o Paxton Media Group PO Box 1200 Paducah KY 42002 Phone: 270-575-8731 Fax: 270-575-8726

Payment in full is due upon receipt of the statement. A service charge on all balances over 30 days will be computed by a 'Periodic Rate' of 1-1/2% per month, which is an ANNUAL PERCENTAGE RATE OF 18%, this applies to the previous balance after deducting current payments and credits appearing on your statement. Refunds less than \$10.00 will be refunded electronically, donated to NIE, or collected in cash at the newspaper.

Remittance Advice

9003563200000000000016250

Billing Date
12/31/2018

BM
EOC
BOC
SAF



The Jonesboro Sun

DAILY AND SUNDAY

Proof of Publication

STATE OF ARKANSAS
COUNTY OF CRAIGHEAD

I, Lisa A. Lynn solemnly swear that I am classified director of the JONESBORO SUN daily newspaper of general circulation printed in the Western District of Craighead County and I was such classified advertising manager at the date of publication hereinafter stated, and that said newspaper had a bonafide circulation in such county at said dates, and had been regularly published in said county for the period of one month next before the date of the first publication of the advertisement hereto affixed, and that said advertisement was published in said

newspaper 1 times once a week for 2

weeks consecutively, the first insertion therein having been made on the

21 day of December, 2018

2nd insertion 30 day of December, 2018

3rd insertion _____ day of _____

4th insertion _____ day of _____

5th insertion _____ day of _____

6th insertion _____ day of _____

7th insertion _____ day of _____

Lisa A. Lynn

Sworn to and subscribed before me this 30 day of December, 2018

My commission expires 9-10-23

Fee for print, \$ _____

Cost of Proof \$ 162.50

Rec'd Payment \$ _____

Total --- \$ 162.50

OFFICIAL SEAL
JANET MELTON
COMMISSION # 12388819
NOTARY PUBLIC-ARKANSAS
CRAIGHEAD COUNTY
MY COMMISSION EXPIRES: 09-10-23

CRAIGHEAD COUNTY JUDGES OFFICE
BILLING DEPT
511 UNION STE 119
JONESBORO, AR 72401
(870)933-4500

Class Liner Ad #90769792 Summary:

Description: NOTICE TO BIDDERS Craighead Co
Size: 1.00 x 4.88

Net Cost \$162.50
Prepaid Amount \$0.00
Amount Due \$162.50

If paid by credit card, your statement will show the charge as "Newspaper Services - Paxton Media"

Order Detail:

Publication	Start	Stop	Insertions
20JN Jonesboro Sun	12/21/18	12/30/18	2