

INVITATION TO BID  
Solicitation No. 09-A022

**NEW JOHN DEERE 6330 MFWD TRACTORS (OR EQUIVALENT) WITH MOWING  
ATTACHMENTS FOR CARROLL COUNTY PUBLIC WORKS DEPARTMENT**

---

**I. Overview, General Submission Information and Pre-Bid Conference**

Overview:

The Carroll County Board of Commissioners requests bids from interested and qualified firms to provide NEW JOHN DEERE 6330 MFWD TRACTORS (OR EQUIVALENT), WITH MOWING ATTACHMENTS, on a one-time basis, to the Carroll County Public Works Department. These tractors will replace older, high mileage tractors utilized by the Public Works Department to mow sides of County roads.

Instructions to Bid

A. How to Prepare Bid Proposals: All bid proposals shall be:

1. Bidders should prepare an itemized quote for tractors, with the attachments, they are willing to provide the County from the list provided in Section III. Each line should include a unit price, extended price and estimated delivery date. Vehicles should include a full description, manufacturer and model numbers of the tractors being offered. All prices should be FOB Destination. Delivery address is provided in Section II.
2. Typewritten or completed with pen and ink, signed by the vendor or their authorized representative, with all erasures or corrections initialed and dated by the official signing the proposal. Bidders are encouraged to review carefully all provisions and attachments of this document prior to completion. Each bid constitutes an offer and may not be withdrawn except as provided herein. Also, prices are to remain firm for the period stated herein.

B. How to Submit Bid Proposals: All bid proposals shall be:

1. Submitted in a sealed envelope, plainly marked with **“Sealed Proposal - NEW JOHN DEERE 6330 MFWD TRACTORS (OR EQUIVALENT) WITH MOWING ATTACHMENTS FOR CARROLL COUNTY GOVERNMENT, (SOLICITATION 09-A022), FEBRUARY 20, 2009”**
2. Mailed, Express Delivery or delivered as follows in sufficient time to ensure receipt by the Purchasing Manager on/before **4:00 P.M. FRIDAY, FEBRUARY 20, 2009.**

(a) Mailing Address: Carroll County Board of Commissioners  
P.O. Box 338  
Carrollton, GA 30112  
Attn: Purchasing Manager

(b) Hand or Express Delivery Address:

Carroll County Board of Commissioners  
423 College Street, Room 410  
Carrollton, GA 30117  
Attn: Purchasing Manager

(c) No proposals will be received or accepted after 3:00 P.M. ET February 20, 2009. Proposals submitted after the designated date and time will be deemed invalid and returned unopened to the proponent. Carroll County is not responsible for lost or misdirected mail. It is the bidder's responsibility to ensure no late bid is submitted. No proposal may be withdrawn within thirty days after the proposal opening and shall remain firm through the period.

C. **Pre-Bid Conference:** There will be a pre-bid conference on Tuesday, February 10, at 3:00 pm at the Purchasing Office, 423 College Street, Room 410, Carrollton, GA 30117. All bidders are strongly encouraged to attend.

D. **How to Submit an Objection:** Objections from bidders to the invitation to bid and/or these specifications should be brought to the attention of the Purchasing Manager in the following manner.

1. Oral objections may be presented at the Pre-Bid Conference or written objections may be submitted at least 2 days prior to the schedule conference
2. Written objections not addressed at the Pre-Bid Conference should be received at least 5 days prior to the opening of the bids.
3. Failure to object in accordance with the above procedure shall constitute a waiver on the part of the vendor to protest the solicitation.

E. **Standards for Acceptance of Bid for Awarded Contract:** Carroll County reserves the right to waive any informality, to reject any and all bids, to evaluate all bids, to accept portions of any bid and to accept any bid which in its opinion may be in the best interest of the County. **The County reserves the right to modify the contract after its award.**

F. **Compliance with laws:** The bidder shall obtain and maintain all licenses, permits, liability insurance, workman's compensation insurance and comply with any and all other standards or regulations required by federal, state or County statute, ordinances

and rules during the performance of any contract between the bidder and the County. Any such requirement specifically set forth in any contract document between the bidder and the County shall be supplementary to this section and not in substitution thereof.

## II. General Terms and Conditions

- A. Specifications: Any obvious error or omission in specifications shall not inure to the benefit of the bidder but shall put the bidder on notice to inquire of or identify the same from the County. Whenever mention is made of any article, material, or workmanship to be in accordance with laws, ordinances, building codes, underwriter's codes, A.S.T.M. regulations or similar expressions, the requirements of these laws, ordinances, etc., shall be construed to be the minimum requirements of these specifications.
- B. Delivery Point: All items shall be quoted and delivered F.O.B. Destination to the Carroll County Public Works Department, 502 Old Newnan Road, Carrollton, GA 30117. Delivery cost and charges (if any) will be included in bid price.
- C. Delivery Time: Estimated delivery dates should be stated on the bids. Delivery time may be considered by the County when selecting most responsive and responsible bidder.
- D. Bids for All or Part: Unless otherwise specified by the County or by the bidder, **CARROLL COUNTY RESERVES THE RIGHT TO MAKE AWARD ON ALL ITEMS, OR ON ANY OF THE ITEMS ACCORDING TO THE BEST INTEREST OF THE COUNTY.** Bidder may restrict his bid consideration in the aggregate by so stating, but must name a unit price on each item bid upon.
- F. Prices to be Firm: Bidder warrants that bid prices, terms and conditions quoted in their bid will be firm for acceptance for a period of ninety (90) days from opening date.
- G. Description of Vehicles: Proposals for tractors and equipment should be accompanied by copies of detailed factory specifications, ratings, technical data, including accurate descriptions of the exact tractors and their equipment on which bids are made..
- H. Completeness: All information required by Invitation to Bid must be completed and submitted to constitute a proper bid.
- I. Quality: All materials used for the manufacture or construction of tractors and equipment covered by this bid shall be new, the latest model, of the best quality and highest grade workmanship. Tractors and equipment shall be equipped with such necessary equipment complying with the Georgia State Law, but not including

- licensing. Also, materials must comply with all applicable Federal and State OSHA requirements in affect at the time of bid.
- J. Acceptance of Material: The material delivered under this proposal shall remain the property of the seller until a physical inspection and actual usage of this material and/or services is made and therefore accepted to the satisfaction of the County.
- K. Guarantee/Warranty: The bidder shall warranty the vehicles as follows:
- At a minimum 2 year/2,000 total hour factory basic warranty.
- All warranty repairs and adjustments shall be made only at such time as will be least detrimental to the operation of County business.
- L. Manufacture or Dealer Advertisement: No manufacturer or dealer advertising attachments shall appear on products delivered to the County without prior approval by Carroll County
- M. Brand Name: If and whenever brand names, makes, name of manufacturers, trade names, vendor catalogs or model numbers are stated, they are for the purpose of establishing a grade or quality of material.
- N. “OR EQUAL” Interpretation: It is the vendor’s responsibility to prove to the County that each bid item is equal to the grade or quality of material specified.
- O. Award of Contract: The contract, if awarded, will be awarded to the most responsive and responsible bidder whose bid will be most advantageous to the County, price, estimated delivery and other factors considered. The County will make the determination.
- P. Qualified Vendor: A “Qualified Vendor” is defined for this purpose as one who meets, or by the date of bid acceptance can meet, all requirements for licensing, insurance and service contained within these specifications.
- Q. Compliance with Specifications – Terms and Conditions: The Invitation to Bid, Legal Advertisement, General Conditions and Instructions to Bidder, Specifications, Special Conditions, Vendor’s Bid, Addendum, and/or any other pertinent documents form a part of this proposal and by reference are made a part hereof.
- R. Signed Bid Considered Offer: The signed bid shall be considered an offer on the part of the bidder, which offer shall be deemed accepted upon approval by the Carroll County Board of Commissioners. In case of a default on the part of the bidder after such acceptance, Carroll County Board of Commissioners may take such actions as it deems appropriate including legal action for damages or specific performance.
- S. Invoices – Invoices should be mailed to the following address:

Carroll County Board of Commissioners  
P.O. Box 338  
Carrollton, GA 30112  
Attn: Accounts Receivable

- T. Payment Terms- Net 30 Days.
- U. Point of Contact - Russ Benedict, Purchasing Manager (770) 830-5868.
- V. Previous model year tractors and equipment (new, never titled) are acceptable if available.
- W. Bids will be accepted from tractor dealerships only. No bids from vehicle brokers will be considered.
- X. All tractors and equipment must be accompanied by a factory recommended Preventative maintenance schedule including procedures, mileage intervals, pre-placement part numbers and fluid specifications.

**III. Listing of JOHN DEERE 6330 MFWD TRACTOR (or equivalent) with mowing attachments:**

Quantity	4	4	4
Model	6330	6330	6330
Cab Style	Open Operator Station, Flat Platform	Open Operator Station, Flat Platform	Open Operator Station, Flat Platform
Drive	MFWD Front Axle w/Limited Slip Diff	MFWD Front Axle w/Limited Slip Diff	MFWD Front Axle w/Limited Slip Diff
Fuel	Diesel	Diesel	Diesel
Engine Size	4 Cylinder, 4.5L 276 cu in Turbo Charged	4 Cylinder, 4.5L 276 cu in Turbo Charged	4 Cylinder, 4.5L 276 cu in Turbo Charged
Cylinder Liners	WET	WET	WET
Eng Horsepower	105	105	105
PTO Horsepower	85	85	85
Fuel Tank	43.6 Gallons	43.6 Gallons	43.6 Gallons
Transmission	SyncroPlus 16F/16R w/Mechanical Left Hand Power Reverser	SyncroPlus 16F/16R w/Mechanical Left Hand Power Reverser	SyncroPlus 16F/16R w/Mechanical Left Hand Power Reverser
Rear Independent PTO	540 RPM	540 RPM	540 RPM
PTO Bearing	Heavy Duty	Heavy Duty	Heavy Duty
Rear Independent Axle	8 Position Steel Wheels	8 Position Steel Wheels	8 Position Steel Wheels
Hydraulic System	Load Sensing Constant Flow 21.1 GPM (80L/min)	Load Sensing Constant Flow 21.1 GPM (80L/min)	Load Sensing Constant Flow 21.1 GPM (80L/min)
Exhaust	Vertical with under hood muffler	Vertical with under hood muffler	Vertical with under hood muffler
Seat	Mechanical Suspension, 3 IN Seat Cushion	Mechanical Suspension, 3 IN Seat Cushion	Mechanical Suspension, 3 IN Seat Cushion
Tires, Front	14.9R24	14.9R24	14.9R24
Tires, Rear	18.4R34	18.4R34	18.4R34
	1 <sup>st</sup> & 2 <sup>nd</sup> Deluxe SCVs (3 Detent -301 Series) w/Std Couplers	1 <sup>st</sup> & 2 <sup>nd</sup> Deluxe SCVs (3 Detent -301 Series) w/Std Couplers	1 <sup>st</sup> & 2 <sup>nd</sup> Deluxe SCVs (3 Detent -301 Series) w/Std Couplers
<b>Mower</b>			
709 Heavy Duty Integral Rotary Cutter with Shielded Driveline	YES	NO	NO
CX15 10 FT Flex Wing Rotary Cutter 540 RPM Stump Jumpers – Single Suction Blades - Wheels	NO	YES	NO
Samurai 22 Ft Mid Mounted, Hydraulically Powered Boom Mower	NO	NO	YES

A. Model 709 Heavy Duty Integral Rotary Cutter with Shielded Driveline. (4 each installed on tractor)

Capacity	
Cutting Width	7 ft
Cutting Height Integral	2 to 9 in
Hitch Type	Lift-Type
Overall Width	7 ft 5 in
Overall Length Integral	9 ft 11 in
Body Depth	10 in
Deck Thickness	.179 in
Shirt Thickness	.236 in
Driveline Protection	4-plate, factory pre-set slip clutch
Gearcase Power Rating, 500RPM	100 HP
Blade Holder	Bar
Blade (Standard)	Flat
Blade, Tip Speed, 540 RPM	16,061 ft/min
Brush Cutting Capacity	4 in
Weight	1,325 lb
Tires, Lift Type	Laminate, 4 Bolt 15.5 x 3.72 in

B. Model CX15 10-FT Weight Box Version Rotary Cutter (4 each installed on tractor)

Capacity	
Cutting Width	125.5 in
Cutting Height Integral	1 to 16 in
Hitch Type	Pull-Type with ball-type self-leveling Clevis w/10,000 lb Safety Chain
Hitch Width	22.5 in. for tight turn capability. Hydraulically operated; stays vertical while raising/lowering.
Dimensions	
Transport Width	100 in
Overall Width	138 in
Overall Length	194 in
Deck Type	Double decker
Deck Thickness	
Upper	.138 in 10 gauge
Lower	.177 in 7 gauge
Shirt Thickness	.25 in
Hinges	Intermittent cast steel segments – greaseable; single 1 in. dia full length pin
Weight	4916 lb
Drive lines	

Size		
	Main	CV Category 5, splined telescoping profiles.
	Connecting	Category 5, splined telescoping profiles.
Protection		
	Main	No-seize, self adjusting slip clutch
	Connecting	No-seize, self adjusting slip clutch
Gearcases, 4each		
	Transfer	250 HP continuous/300 HP peak
	Center	120 HP continuous/160 HP peak
	Outer	120 HP continuous/160 HP peak
Blade		
	Thickness	.5 in
	Width	4 in
	Type	Suction or Offset
	Overlap	6 in
	Rotation	CW, CCW, CCW
	Tip Speed, 540 RPM	Wing-15,586 ft/min Center-15,728 ft/min
	Blade Guard	Round Stumpjumper and std deck rings
Hydraulics		
	Wing Lift	Std; includes spring assist unfolding
	Wing Flex, degrees	90 up, 22 down
Brush Cutting Capacity		4 in
Wheels		5 bolt 26x9x14.5 24 ply severe duty
Shielding		
	Front	Double row chain
	Rear	Double row chain

C. MX8 Semi-Mount, Hydraulic Off-Set, Rotary Cutter (4 each not installed on any of the tractors in this bid. These mowers will be installed on existing tractors)

Capacity		
	Cutting Width	96 in
	Cutting Height	1 -12 in
	Cutting Capacity	2 in
	Cutting Chamber Depth	8.5 in
Hitch Type		Lift
Hitch Category		2
Dimensions		
	Transport Width	102 in
	Overall Width	102 in
	Overall Length	111 in
	Deck Type	Double decker

Deck Thickness		
Upper		.125 in 11 gauge
Lower		.125 in 11 gauge
Shirt Thickness		.177 in 7 gauge
Drive lines		
Size		
Main		Category 4
Protection		
Main		No-seize, self adjusting slip clutch
Connecting		Self-absorbing shafts.
Gearcases, 3each		
Transfer		120 HP continuous/130 HP peak
Outer		75 HP continuous/100 HP peak
Blade		
Thickness		.5 in
Width		4 in
Type		Suction
Overlap		2.8 in
Rotation		CW, CCW, CCW
Tip Speed, 540 RPM		15,739 ft/min
Holder		Round Stumpjumper
Wheels		Puncture proof laminated.
Shielding		
Front		Chain
Rear		Chain

D. Samurai 22' Boom Mower with 60" Rotary Cutting Head. (4 each to be installed on the tractors)

#### FRAME & MOUNTING

1. Mounting Rail framework shall be full-length 4" x 4" x 5/16" steel tubing mounted to the front bolster housing and to the rear axle. No frame work shall be bolted to bell housing of tractor. Mainframe shall be no less than a 4" x 4" 1/4" steel tubing bracing frame with 4" x 4" x 5/16" steel tubing main structure crossing just above the operator's line of sight and mounted to the 4" x 4" mounting rails.
2. A minimum counterweight of 1300 pounds shall be included as standard equipment.
3. The kingpost shall have two (2) 2 1/2" ID greaseable hardened steel bearings with a 2 1/2" diameter pin.

4. The kingpost shall have a 5" diameter x 1/4" thick UHMW polyethylene thrust washer.

### BOOM FEATURES AND CAPABILITIES

1. Standard boom structure shall be made completely of heavy duty alloy steel and constructed of a two-piece design including inner boom and dipper sections.
2. The inner boom arm shall be made of a minimum of 6" x 6" x 1/4" wall steel tubing, 50,000 lb/sq in yield strength.
3. The dipper shall be made of a minimum of 5" x 5" x 1/4" wall steel tubing, 50,000 lb/sq in strength. Main pivots shall utilize 2" pins with greaseable, hardened steel bushings.
4. A front axle-mounted stabilizer cylinder shall be featured as an option providing automatic self-adjusting stability of the full package unit when in operation.
5. Standard boom functions shall feature horizontal swing, vertical lift, dipper reach, and mower head tilt. Horizontal boom swing shall be a minimum of a 120 degree swing hydraulically operated.
6. Boom reach with standard 60" rotary head: (Based on a 96" outside spread with 18.4 x 34 tires and boom pivot mounting height of 64")
  - The minimum reach up shall meet 22' 7".
  - The minimum reach out shall meet 22'.
  - The minimum reach down shall be 9' 1" below tractor ground level.
  - Boom mower head shall have ability to mow horizontally within 3' of the rear tractor tire.
7. A standard boom cutting head should be a 60" Heavy Duty Rotary – non swivel. Other options may be quoted separately.

### OPERATION AND POWER

1. The unit shall feature a self-contained hydraulic circuit for both mowing head and boom control circuit. The mowing head circuit shall feature a gear-type pump rated at 30GPM and 3,000PSI. The Boom control circuit shall feature a gear-type pump. The secondary control pump shall be rated at 12GPM and 3,000PSI.
2. The unit shall have a front mounted hydraulic reservoir with a working volume of 20 GALS. Reservoir shall feature visual tank level and temperature indicators.

3. The unit shall feature a stackable, multi-section, electro-hydraulic, directional control valve. The valve shall include load-sensing and section-specific pressure compensation while allowing a minimum of four functions to be operated simultaneously. The swing, lift and dipper sections feature individual work port relief valves for individual breakaway protection.
4. A telescopic driveline with greaseable universal joints shall be featured to accommodate installation and maintenance. The driveline shall be hard mounted to engine crankshaft and secured to pump shaft with double-bolt style clamping yoke. Standard tube diameter shall be a maximum 2" round with 14-gauge wall thickness. Ultimate strength of driveline shall be 33,542 inch pound of torque.
5. The hydraulic system shall contain an oil-to-air cooler with electric fan.

#### OPERATOR PROTECTION AND SAFETY

1. The mower cutter head shall have a six-second emergency shutdown engaged by the operator from inside the tractor cab. The button should be within easy reach for complete power shutoff of motor circuit. The boom controls shall feature a master ON/OFF switch for complete power shutdown.

#### MISCELLANEOUS

1. A two-piece boom rest shall be mounted to the rear axle or to the mower frame to cradle the boom when it is in transport position. The rest shall take pressure off the lift, dipper and swing cylinders when in transport.
2. The unit should have a minimum weight of approximately 7,500 pounds.

#### CUTTER HEAD FEATURES AND CAPABILITIES

1. The unit shall have a minimum cutting width of 58". The cutter head shall cut grass, weeds and brush up to 5" in diameter. The cutting head top deck shall be constructed using a minimum of A606 steel or equivalent. The side skirts shall be constructed using a minimum of 3/8" steel. The cutting head shall feature full length, replaceable skid shoes.
2. Spindle shall be a minimum of 4 1/2" heat-treated, H-13 modified, alloy tool steel. The spindle bearing shall be tapered roller bearings, 2 1/2" ID top and 2 5/8" ID bottom, in a sealed housing.
3. The blade carrier shall be three-leaf, stacked blade-bar type with the bottom leaf being made out of alloy steel. The blades shall be 5/8" x 5" x 14 5/8", 360-degree full swinging, double edged and constructed of tapered steel.

4. The motor shall be gear-type, rated at 195HP and direct coupled. The spindle RPM shall be 1200 RPM at 38GPM from pump. The motor drive shall be direct drive, splined and totally enclosed.
5. The front shield shall be hydraulically actuated, center feed, metal door operational from the joystick control. The rear shield shall be constructed of rubber material.
6. The cutter head shall weigh approximately 1,000 pounds.

#### **IV. Bid Acceptance**

Bids shall be reviewed and evaluated by the Carroll County Board of Commissioners. An award, if made, will be made to the responsible bidder whose proposal is most advantageous to the County while meeting the above specifications and delivery.

R. Benedict  
Purchasing Manager  
(770) 830-5868  
rbenedict@carrollcountyga.com

