

NOTICE OF RECEIVING BIDS
For
One (1) 2018 Or Newer Articulated Wheel Loader

The Daviess County Commissioners will receive sealed bids until 9:00 A.M., E.D.S.T., on May 22, 2018, in the Commissioners room at the Daviess County Court House, Washington, Indiana, 47501, on one (1) 2018 or newer articulated wheel loader.

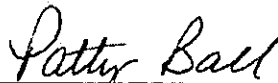
Specifications, instructions, and information to bidders, for said grader will be on file at the Daviess County Highway Department, 5247 E 100 N, Montgomery, Indiana 47558.

All bids are to include a bid bond or cashier's check equal to ten percent (10%) of the bid, a non-collusion affidavit, and a "Bid offer or proposal form" #DC-BOP, and E-Verify form.

Daviess County and it's sub-contractors shall follow all state, federal and local requirement (regulations), as a recipient of state, local and federal monies and specifically will abide by the non-discrimination provisions of IC:22-9-1-10 and the Civil rights act of 1964.

The Board of Daviess County Commissioners reserve the right to accept or reject any or all bids, and waive informalities in the bidding process and to accept such bids as it deems to be in the best interest of Daviess County.

Sealed bids are to be submitted to the Daviess County Auditors Office, 200 East Walnut St, Washington, Indiana 47501, or the Daviess County Highway Department, 5247E 100N, Montgomery, IN 47558. Bids will be opened at the Commissioners Meeting at 9:00 AM, E.D.S.T., on May 22, 2018.



Patty Ball, Auditor
Daviess County, Indiana

**SPECIFICATIONS
FOR
(One) 2018 OR NEWER, FOUR WHEEL DRIVE,
ARTICULATED WHEEL LOADER**

General:

It is the intent of these specifications to describe a new articulated wheel loader in sufficient detail to secure bids on comparable equipment. All parts not specifically mentioned, which are necessary to provide a complete unit, shall be included in the bid and shall conform in strength and quality of material and workmanship to what is usually provided to the trade in general. The grader shall be a current model under standard production by the manufacturer.

Unit shall be manufactured and assembled with conformance to the best known Engineering Standards of the trade, relative to design, strength, quality, durability, and workmanship. Every item assembled upon this unit must meet the latest Federal Safety Standards.

Any unit not in substantial compliance with these specifications will be rejected. It will be the responsibility of the Bidder to conform with the requirements unless deviations have been specifically cited by the Bidder and acceptance made on the basis of the exception.

Special attention is particularly called to the requirements of the Indiana State Board of Accounts and the local agency in regard to submitting proposals.

All bids are to be submitted with a non-collusion affidavit and bid bond equal to ten percent (10%) of the bid price. The Bidder shall also specifically mention those items where the unit being bid does not meet the Owner's minimum requirements in the blank provided or at the bottom of the page, where that item is mentioned. It is brought to the attention of the Bidder that not meeting the Owner's minimum requirements does not necessarily mean that the bid will be rejected. The degree to which the unit conforms to the specifications will be considered in the Owner's evaluation of the bids.

Bidders shall also attach literature or a brochure of the model being offered with this bid.

The successful Bidder shall indemnify and hold harmless the local agency from any and all suits, costs and penalties or claims for infringements by reason of use of any patented designs, devices, or materials or any trademark or copyright in connection with the specific unit furnished under this proposal at anytime during manufacture and after purchase of the specified unit.

Term or equal. Where the term or equal is used in these specifications and Bidder deviates from the specified item, they shall file (with this bid) a letter fully explaining and justifying the proposed article or equal.

Acceptance of Unit Payment for the above unit shall be made after delivery of same and after a properly authorized representative of the local agency has given their approval of the satisfactory delivery and operation of said unit.

A certificate of origin shall be furnished with the unit as it is delivered.

(1) 2018 or Newer 36,000 Pound articulated 4x4 wheel loader

	Examples of Loaders Able to meet these specs: Cat 938M, Deere 624K-II
BASIC SPECIFICATIONS	Machine configuration: Standard Lift with 20.5-R25 (L3) XHA2 tires, optional counterweight, standard lubricants, full fuel tank, ROPS cab, 176 lb (80 kg) operator, drivetrain guards:
Y N	Engine rated net power shall be at least 186 hp (137 kW) according to ISO 9249 at 1800 RPM.
Y N	Engine maximum net power shall be at least 188 hp (140 kW) according to ISO14396 at 1800 RPM.
Y N	Machine width over tires shall be 8'10" (2693 mm)
Y N	Machine wheelbase length shall be 10'0" (3050 mm).
Y N	Machine height shall be 10'11" (3340 mm)
Y N	Machine bucket clearance at maximum lift and level bucket shall be 11'11" (3641mm)
Y N	Machine bucket pin height shall be 13'0" (3969 mm)
Y N	Machine overall length with 3.3 CYD (2.5 m3) Fusion general purpose bucket shall be 25'1" (7656 mm).
BUCKET	
Y N	4.2 CYD Sand and Gravel bucket with coupler. Machine shall meet the following specifications Minimum full turn static tipping load of 22,817 lbs (10,350 kg) per ISO 14397-1 Minimum breakout force of 27,673 lbs (12,552 kg) Shall include BOCE. Minimum dump clearance of 9'1" (2786 mm) at full lift and 45 degree discharge Minimum reach of 3'10" (1178 mm) at full lift and 45 degree discharge Maximum total cycle time of 9.7 seconds Minimum dig depth of 3.9" (100 mm) Minimum rackback angle of 54 degrees Minimum machine operating weight of 35,455 lbs (16,082 kg)
Y N	60" Pallet Forks for coupler
ENGINE	
Y N	Engine shall be manufactured by the equipment manufacturer.
Y N	Engine shall be US EPA Tier 4 Final / EU Stage IV compliant and Tier 4 final compliance certificate shall be available upon request.
Y N	DPF service Life shall extend to the life of the engine
Y N	Engine aftertreatment system shall use Diesel Exhaust Fluid (DEF) to meet emission requirements
Y N	DEF tank shall be located away from the diesel fuel tank to prevent fluid mix up
Y N	Machine shall allow DEF fluid to be purged automatically even when the machine power disconnect key is switched to the OFF position.
Y N	Machine shall also be able to run on up to B20 Bio-Diesel
Y N	Emissions requirements shall meet or exceed worldwide requirements and be Tier 4 Final compliant.
Y N	Regeneration shall be passive and not require any input from operator or disrupt work.
Y N	Engine shall be 6.8 L six-cylinder, with electronically controlled fuel injection for precise timing.
Y N	Engine shall be direct injection turbocharged with waste gate turbocharger for reliability, durability and performance.
Y N	Engine shall have a high pressure common rail fuel system with an oil lubricated fuel pump.
Y N	Machine shall be standard with two 1000 CCA (minimum capacity) maintenance free batteries mounted in bolt-on battery boxes.
Y N	Engine shall have the capability to operate in multiple modes based on operator choice. Full Power and Engine speed, or reduced power and engine speed, to save fuel.
Y N	Engine shall be able to provide different maximum power levels dependent on speed range (gear)
Y N	Machine shall have optional cold start package which adds 2 additional 1000 CCA batteries for easy cold weather starting
Y N	Machine shall have optional engine block heater and automatic ether starting aid for easy cold weather starting
Y N	Easily accessible ground level Emergency Engine Shutdown switch shall be standard.
Y N	Machine shall have automatic idle engine shutdown feature as standard.
Y N	Machine shall have a standard 110 amp alternator minimum
Y N	Machine shall have a standard backup alarm.
Y N	Machine shall have a standard master battery disconnect switch.
Y N	Machine shall use an air-to-air-aftercooler (ATAAC).
Y N	Engine shall have a 4 valve per cylinder crossflow head.
Y N	Machine shall use gear driven water and oil pumps.
Y N	Machine ECM shall automatically derate the engine for protection during overheating.
Y N	Engine and cooling compartments shall be completely separated.
POWER TRAIN/TRANSMISSION	
Y N	Machine shall have a forward/neutral/reverse switch standard on the implement control joystick.
Y N	Machine shall have four forward and four reverse speed ranges with a maximum speed of 25 mph (40 kph).
Y N	Machine shall have ground accessible ports to sample engine and transmission oil.
Y N	Machine shall have transmission oil sight gauge and fill spout on the same side of the machine.
Y N	Machine shall have independent control for ground speed and engine RPM

STEERING	
Y N	Steering articulation angle shall be 40°.
Y N	Machine shall have two steering cylinders with a bore of 3.1" (80 mm).
Y N	Steering cycle time from full left to right or full right to left at maximum RPM shall be less than 3.5 sec
Y N	Steering system shall use a dedicated load sensing variable displacement pump with dual double acting cylinders.
Y N	Steering torque shall be 42,506 ft-lb (57630 N-m) at 0 degree turn 31,398 ft-lb (42,570 N-m) at 40 degree turn
Y N	Maximum steering working pressure shall be 3,500 psi (24,130 kPa).
Y N	High impact rubber steering stops shall be standard.
Y N	Steering console shall be adjustable including tilting and telescoping steering column
Y N	Secondary steering system shall be available.
BRAKES	
Y N	Service brake shall feature completely closed and sealed standard outboard oil-immersed disc brakes on front and rear axles that are adjustment free.
Y N	Audible alarm and indicator light shall alert operator if brake pressure drops below normal operating parameters.
Y N	Machine shall have continually charged nitrogen accumulators to provide stopping capability after loss of engine power.
Y N	Machine shall feature an electronic park brake.
Y N	Parking brake shall be disk and caliper type on driveline for positive operation which is spring applied and hydraulically released. The transmission shall be automatically neutralized when parking brake is applied.
HYDRAULIC SYSTEM	
Y N	Maximum working pressure shall be 4,061 psi (28,000 kPa).
Y N	Minimum hydraulic output at 1800 engine RPM shall be 50 gal/min (190 L/min).
Y N	Machine shall have optional 3rd and 4th function hydraulics available for use with work tools that require hydraulic power
Y N	
Y N	
Y N	Total hydraulic cycle time shall be no more than 10 seconds.
Y N	Double acting lift cylinders shall be 4.7" X 31.1" (120 X 789 mm).
Y N	Double acting tilt cylinder shall be 5.9" X 21.9" (150 X 555 mm).
Y N	Hydraulic implement system shall detect when the lift and tilt kick outs approach the setting automatically reducing cylinder velocity to provide a smooth stop.
Y N	Machine shall feature an operator selected electric safety valve to disable implement functions.
Y N	Machine shall feature a heavy-duty hydraulic oil cooler standard with 6 Fins per Inch.
Y N	Implement hydraulics shall be load-sensing.
Y N	Seat mounted low effort joystick control shall offer simultaneous lift and tilt functions.
Y N	Bucket lift circuit shall have four positions: raise, hold, lower and float.
Y N	Tilt circuit shall have three positions: tilt back, hold and dump.
Y N	Steering and implement pumps shall be separate.
Y N	Machine shall have pressure taps to allow quick diagnosis of complete hydraulic system.
Y N	Machine shall have a hydraulically driven demand fan.
Y N	Machine shall have two section implement control valve for lift and tilt functions and up to two additional valve sections optional.
Y N	Hydraulic couplings shall have O-ring face seals.
Y N	A Ride Control system shall be available for smooth operation in rough roading conditions. Ride Control system shall incorporate multiple accumulators for maximum performance at multiple load levels.
AXLES	
Y N	Front axle shall be rigidly mounted to the front loader frame.
Y N	Rear axle shall have a remote trunnion lubrication fitting to simplify maintenance.
Y N	Front axle shall contain a means of locking the front differential with a joystick mounted control, without stopping the machine. Axle shall automatically stay locked until equal torque is sensed on both wheels.
Y N	Seals on the axle and housing shall keep oil in and lock contaminants out to prevent contamination of internal components.
Y N	Axle shall have fully-enclosed brakes and final drives.
Y N	Machine shall have axle seal guards standard.
Y N	Planetary final drives shall be lubricated from the main oil sump.
Y N	Final drives shall have high contact ratio gears for quiet, durable operation.
Y N	Machine shall have optional remote axle oil breathers to allow axle submersion
WHEELS	
Y N	Standard tire size shall be 20.5 X 26 with 3 piece rim

OPERATORS STATION	
Y ___ N ___	Rear Hinged door shall lock open 180 degrees with the capability to open and close door from the operators seat.
Y ___ N ___	Personal storage areas shall include places to store a lunch box, thermos, cup, coat rack and a lockable storage area.
Y ___ N ___	Seat mounted joystick control shall operate both lift and tilt functions. Joystick shall integrate forward/reverse direction switch, and adjustable 3rd function hydraulic control (if so equipped)
Y ___ N ___	Air Suspension Deluxe seat shall include cloth with fully adjustable fore/aft position, seat back angle, bottom cushion height, armrest angle and suspension stiffness.
Y ___ N ___	Automatic temperature and blower control shall be standard
Y ___ N ___	Seat shall include a 3" (75 mm) wide retractable seat belt.
Y ___ N ___	Machine shall detect if operator seat belt is buckled while in gear
Y ___ N ___	Front and rear wipers with washers shall be standard.
Y ___ N ___	Machine shall be equipped with programmable in-cab kick outs for lift, lower, rack and dump kickouts with on the fly adjustments at any linkage position.
Y ___ N ___	(2) 12V outlets for powering electronics, 5 V USB outlet, a radio installation package with bluetooth and remote auxiliary input, adjustable sun screen for front and rear window, external mirror package with heat and electronic adjust.
Y ___ N ___	External Mirrors should allow visibility to the ground to the side of the machine, by use of additional parabolic mirrors
Y ___ N ___	Machine cab shall meet ROPS and FOPS criteria as well as regulations for sound exposure.
Y ___ N ___	Seamless front windshield standard with side sliding glass windows.
Y ___ N ___	Rear window shall have an electric defroster with timer.
Y ___ N ___	Glass panels shall extend from cab roof to floor allowing visibility to ground on the front windshield
Y ___ N ___	Machine shall have gauges including hydraulic, engine and transmission temperatures as well as fuel level.
Y ___ N ___	Warning/indicator and diagnostic functions shall include: Primary steering malfunction, electrical system voltage low, coolant temperature, engine oil pressure low, parking brake applied, brake charge pressure low, transmission oil temperature, transmission oil filter bypass, and hydraulic oil filter bypass.
Y ___ N ___	Machine shall have two additional mounting provisions with a power connection in cab for auxiliary 12 volt two-way communications radio.
Y ___ N ___	Rear facing grill mounted lights shall have an "AUTO" mode which will allow them to come on when the machine is in reverse as standard.
Y ___ N ___	Auxiliary LED front and rear working lighting packages shall be available.
Y ___ N ___	Auxiliary LED Engine enclosure service lighting shall be available.
Y ___ N ___	Stop, tail, and turn signal lights shall be LED and mount in rear counterweights for extra protection
Y ___ N ___	Machine shall have an optional factory installed rear camera system with rear camera fully protected from rear impact damage, and a secondary color LCD screen in the cab.
Y ___ N ___	Machine shall have the ability to provide Preventative Maintenance reminders based on hours of operation.
Y ___ N ___	Machine shall warn the operator if the seat belt is not engaged
Y ___ N ___	Operators station shall expose the operator to sound pressure of no greater than 68 dB(A) per ANSI/SAE J1166 May 90 procedures to provide maximum operator safety.
LOADER LINKAGE	
Y ___ N ___	Shall be equipped with Electronic "quick coupler" .
Y ___ N ___	Machine shall be equipped with constant pressure vertical engagement wear compensating coupler
WORK TOOL OPTIONS	
Y ___ N ___	Bucket options shall include: 4.2 CY sand and gravel bucket with bolt on cutting edge.
Y ___ N ___	Material handling options shall include: 60" pallet forks.
SERVICEABILITY	
Y ___ N ___	Radiator, oil coolers, and ATAAC shall be largest available.
Y ___ N ___	All service points shall be accessible from ground level, on the same side of the machine.
Y ___ N ___	Radiator coolant and transmission and hydraulic oil levels shall have sight gauges.
Y ___ N ___	Spin on filters for engine oil and hydraulic oil shall be vertically mounted for easier servicing.
Y ___ N ___	Scheduled oil sampling ports shall be factory installed for improved access to engine, transmission and hydraulic oils.
Y ___ N ___	Cooling fan shall be hydraulically driven.

Y	N	Machine shall have easily accessible jumper studs to aid in jump starting machine or other machines.
Y	N	Standard service features shall include: Standard hydraulic oil cooler; adjustment free brakes; adjustment free engine fuel system; grouped grease fittings; positive torque hose clamps; braided, color coded and numbered wiring.
Y	N	Machine shall have a maintenance free driveshaft.
Y	N	Hydraulic site gauge shall be visible from ground with operator station door open or closed.
MINIMUM SERVICE FILL CAPACITIES		
Y	N	Fuel tank shall have a 51.5 gal (195 L) capacity.
Y	N	DEF Fluid tank shall have a 5.0 gal (19L)
Y	N	Cooling system shall have a 8.5 gal (32 L) capacity.
Y	N	Crankcase shall have a 5.3 gal (20 L) capacity.
Y	N	Transmission (gear box) shall have a 2.9 gal (11 L) capacity.
Y	N	Hydraulic system (including tank) shall have a 44.9 gal (170 L) capacity.
Y	N	Hydraulic tank shall have a 23.8 gal (90 L) capacity.
Y	N	Differentials and final drives (front and rear) capacities should be 9.2 gal (35 L) each.
OWNING AND OPERATING COSTS		
Y	N	Diesel Particulate Filter should not require service for the life of the engine
Y	N	Extended Life Coolant/Antifreeze shall allow for up to 12,000 hours between changes.
Y	N	With required oil sampling, machine shall have a recommended oil change interval of 500 hours.
Y	N	Machine shall have a recommended 2,000 hour hydraulic filter change.
ADDITIONAL FEATURES		
Y	N	Shall be equipped with Rear Rooding fenders.
Y	N	Machine shall have an as standard either Cellular or satellite link to monitor critical system parameters from a remote location.
WARRANTY		
Y	N	Five year, 5000 Hour Minimum warranty from the date of delivery on complete unit. Warranty shall include all parts and labor on entire machine and all repairs shall be performed at the Daviess County Highway Garage.
DELIVERY		
Y	N	The unit must be delivered to the owner with all attachments and components substantially completed, within 90 days of the acceptance of the bid. The bidder, and his surety, shall be liable for and pay the owner at the rate of \$100 for each day of delay after the Owner's specified date of delivery.
Bidders estimated delivery time: _____ Days		
Failure to fill in any of the above blanks will result in the automatic rejection of your bid.		
LEASE PURCHASE INFORMATION		
The first lease purchase payment shall be paid upon delivery and the remaining four lease purchase payments shall be paid on the first claim payment of May, 2019, 2020, 2021 and 2022.		
Provide lease purchase information as follows:		
1. Total annual lease purchase payment. (Five equal payments)		\$ _____
2. Daviess County's purchase price at the end of the lease purchase term. (5 year term)		\$ _____
3. Guaranteed "buy back" value at the end of the lease purchase term. (5 year term) (With no obligation for a new lease.)		\$ _____
Note: Lease and Warranty shall be based upon 1000 Hours per year usage.		
The Board of Daviess County Commissioners reserve the right to accept or reject any or all bids, and waive informalities in the bidding process and to accept such bids as it deems to be in the best interest of Daviess County.		

NON-COLLUSION AFFIDAVIT

STATE OF INDIANA)

SS:

DAVISS COUNTY)

The undersigned bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporation has, have or will receive directly or indirectly, any rebate, fee, gift, commission or thing of value on account of such sale.

Bidder (Firm)

Address

Signature of Bidder or Agent

Subscribed and sworn to before me this _____ day of _____ 20_____.

Notary Signature

County of Residence

Notary Printed

My Commission Expires

**DAVISS COUNTY HIGHWAY DEPARTMENT
BID OFFER OR PROPOSAL
FOR SALE OR LEASE OF MATERIALS**

Please type or print the following information:

Date: _____
Bidder (firm): _____
Address: _____
City/State: _____
Telephone No: _____

Class or Item No: _____ Description: _____
Class or Item No: _____ Description: _____
Class or Item No: _____ Description: _____
Class or Item No: _____ Description: _____
Class or Item No: _____ Description: _____

Pursuant to notices given, the undersigned offers bid(s) to the Daviess County Highway Department in accordance with the following attachment(s) which specify the class or item number or description, quantity, unit, unit price and total amount.

The contract will be awarded by classes or items, in accordance with specifications. Any changes or alterations in the items specified will render such bid void as to that class or item. Bidder promises that he has not offered nor received a less price than the price stated in his bid for the materials included in said bid. Bidder further agrees that he will not withdraw his bid from the office in which it is filed. A certified check or bond shall be filed with each bid if required, and liability for breach shall be enforceable upon the contract, the bond or certified check or both as the case may be.

Signature of Bidder, Agent, or Owner of Company

Print Name of Bidder, Agent, or Owner of Company

E-VERIFY PROGRAM

Under Indiana code (i.c.22-5-1.7)

Daviess County requires contractors or subcontractors who perform work for Daviess County to enroll and verify the work eligibility status of all newly hired employees for their entity.

The undersigned being duly sworn upon (his, her) oath, now says that I,

_____, holding the position of
(Name)

_____, with _____,
(Title) (Business)

Do hereby state that the business entity does not knowingly employ unauthorized aliens and participates in the E-verify Program when it hires new employees to confirm their work eligibility.

I swear or affirm, under the penalties for perjury, that the foregoing statements are true.

(Signature of Affiant)

(Title of Affiant)

(Business Entity)