

# JACK COUNTY COMPETITIVE BID PROPOSAL FORM

(Purchase of Motor Grader in Commissioner Precinct 4)

My bid is on one or more new 2018 or newer Road Grader:

\$ - 307,226.<sup>32</sup> -

Manufacturer of Unit: John Deere -

Model No.: 670 G -

My bid meets or exceeds the minimum Proposal requirements outlined in the bid specifications/detail.

My bid includes my cashier's check for \$200 payable to Jack County for republication costs.

My bid offer is good for - 30 - days.

Name of Bidder: Cody Reinders -

By: Cody Reinders -  
(Authorized Agent)

Dated: 1-24- 2022.

**INVITATION TO BID**  
**(County of Jack)**

Bids will be received in the County Auditor's Office of Jack County, Texas until 9:00 a.m., Monday, January 24, 2022, for the purchase of various goods and services for Jack County.

The types of goods and services to be purchased are one or more of the following:

Motor Grader, Model 2018 or newer, Tier 3 or 4 compliant \*

*\* The minimum bid specifications and requirements to bid are contained in the Bid Form on file in the County Auditor's office and at the Jack County Website at <http://www.jackcounty.org/agenda/> under the title "FY 21-22 Motor Grader Bids."*

Bidders should use unit pricing in submitting their bids. Invoices delivered for payment will generally be paid by the second Monday of the month following receipt. A \$200 performance bond payable to the County shall be required of the bidder.

The bids will be opened at 9:05 a.m. on Monday, January 24, 2022, by the County Auditor in the County Courtroom on the second floor of the County Courthouse in Jacksboro, Texas, and awarded in the Commissioners Court's business on Monday, January 24, 2022, at the same location beginning at 10:00 a.m.

Detailed specifications may be obtained by contacting:

Lisa Perry  
Auditor - Jack County  
Jack County Courthouse  
100 N. Main St Room 202  
Jacksboro, Texas 76458

Voice: (940) 567-2663  
Fax: (940) 567-5978

The County's website is located at [www.jackcounty.org](http://www.jackcounty.org).

Bids should be submitted in a sealed envelope with the proper title ("Precinct 4 Motor Grader Bid") on the **outside** of the bid envelope.

Bidders are encouraged to be present at the bid opening to defend and answer questions about their bid.

Jack County reserves the right to accept and/or reject any and all bids.

Under Section 271.905, Texas Local Government Code; the Commissioner's court reserves the right to award a contract to a qualified local bidder within three percent of the lowest bid.

All bids must be accompanied by a completed Bid Request Form to be considered which may be obtained through the office of the County Auditor.

Lisa Perry  
Auditor - Jack County

**TITLE: JACK COUNTY BID REQUEST**

**PROJECT: Purchase/Sale of Equipment in Commissioner Precinct 4**

**Date:** January 20, 2022

**SCOPE:** Jack County is now accepting formal proposals for the purchase of one of the following: Motor Grader, Model 2018 or newer, Tier 3 or 4 compliant. Minimum specifications for the same are attached. Consideration for off-lease used equipment must be less than 2000 hrs. and must include a full factory warranty. Certified equipment maintenance history is required on any off-lease used equipment.

**SPECIFICATIONS:** Attached is a bid form to be used in submitting all bids. Supporting materials may be attached but the bid form indicating price per item **must** be properly completed to assure bid consideration.

The bid form is in two sections: an informational section (this section) and a list of the desired equipment and minimum features.

Bidders will be required to deliver with their bid a deposit of \$200.00 by cashier's check to cover costs of republication in the event of his/her failure to perform. Said check will be returned on delivery of the item and returned to unsuccessful bidders after bid opening.

All specifications are given to clarify the type of item requested and should not be deemed to eliminate any specific makes or models.

The vehicle at delivery will have a new inspection sticker if required, and a minimum of 10 gallons of fuel in the tank.

Bidder shall furnish one (1) shop manuals or CD ROM shall be furnished. Manuals/CD shall include information necessary to diagnose and repair mechanical, electrical systems, and include wiring diagrams. These must be furnished at the time of delivery. (THIS REQUIREMENT SHALL NOT DELAY DELIVERY OF THE VEHICLES, BUT PAYMENT CANNOT BE MADE UNTIL ALL REQUIREMENTS ARE MET.)

Bidder must provide a minimum of 4 hours of training regarding maintenance and operation at a site chosen by Jack County Commissioner Pct. 4.

**TYPES OF ITEMS SOUGHT:** The attached bid form lists the equipment/supplies and quantities desired and minimum specifications. All bids submitted must meet or exceed those specifications listed.

All materials must be of equivalent or better quality as shown in the specifications under  
**"DESCRIPTION OF ITEM."**

**USE OF BID FORM:** Failure to complete the County Bid Form and use the prescribed envelope may disallow a proposal for consideration. Further attachments to your County Bid Form may be made.



## MINIMUM SPECIFICATIONS FOR ONE NEW MOTOR GRADER

[Bidder should complete and submit self-assessment tool below with page preceding]

Bid specifications for interim Tier 3 or 4 compliant Motor Grader		
Compliance		Engine
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The engine meets EPA Interim Tier 4 and European Union Stage III B standards
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The engine shall have Dual safety air cleaner elements, radial seal, dry type
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Altitude deration will not occur at altitudes less than 10,000 ft (3048 m). The deration rate above 3048 m (10,000 ft) shall be 1.5% per 305 m (1000 ft).
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The engine shall have a wet-sleeve cylinder liner design for improved cylinder cooling over dry sleeve and cast-in-bore design and for improved cylinder and piston ring durability.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Fuel system shall be high-pressure, common rail
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Engine bore and stroke shall be 4.66 X 5.35 in. (118 X 136 mm)
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The engine shall be a turbocharged, direct injection, four-stroke, 6-cylinder diesel engine with 4 valves per cylinder.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The engine shall be electronically controlled for more efficient fuel injection and fuel burn.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Engine displacement for a standard engine shall be no less than 9.0 liters (548 cu. in.)
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The engine shall reach no less than SAE net horsepower in the gears 1-8: 1st 160hp, 2nd 165hp, 3rd 175hp, 4th 190hp, 5th 190hp, 6th 195hp, 7th 195hp, 8th 195hp
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Standard and Optional peak engine power shall not be achieved at an engine speed greater than 2100 rpm.
yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	The standard engine will have a minimum torque rise of 68% in all gears
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Unit shall have a self-draining muffler with a curved stack
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Unit shall be equipped with Engine Power Management System for variable horsepower for up to 245 SAE net and shall meet IT4 standards
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A jacket water heater shall be available to assist in cold weather starting.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The machine shall be equipped with electronic over-speed protection to prevent the engine and transmission from over speeding, as a standard feature.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Electronic Throttle Control (cruise control) shall be available and shall be controlled by a switch, located on the right-hand console for resuming and decreasing the throttle set.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The Electronic Throttle Control modes, set and accelerate functions, shall be located on the right console for easy access.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The engine shall have an altitude compensating turbocharger
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Six Cylinder, turbocharged with air-to-air aftercooler diesel engine and shall be designed and built by the manufacturer
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Unit shall be equipped with engine stall prevention (ESP) as standard equipment

		Cooling
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A guard shall be available to protect the machine's transmission from debris.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Coolant levels should be easily checked by sight gauges or overflow tank
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Engine coolant shall be Cool Guard™ II Extended Life or equivalent for temperatures to -34 F
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Air intake shall be pre-screened (3 mm perforations) standard
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The charged air cooler shall be heavy-duty aluminum 10 fin per inch
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The engine shall have an air-to-air aftercooling for low engine speed lugging
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Unit shall have charged air cooler with restriction sensor and in-cab restriction warning light
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Engine fan shall automatically adjust fan speed via a variable displacement hydraulic fan pump to meet engine cooling requirements to minimize power demand from the engine, reduce vehicle noise levels, improve fuel economy, and improve vehicle performance.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Engine power shall automatically compensate for power draw of the fan system to maintain a constant horsepower available to maintain vehicle performance independent of cooling system power draw.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Engine fan shall be able to automatically reverse and allow the operator to choose the time interval for the reversal to occur through the vehicle monitor.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The hydraulic oil cooler shall be 10 fins per inch with a vertical, spin-on filter
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The radiator shall be constructed of aluminum and have 10 fins per inch spacing
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Unit shall have a coolant recovery tank provided
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Cooling system shall be isolated from the engine compartment
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Pivot and/or slide out coolers provide access for quick air clean out of dust and debris
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A rear access door shall be provided to provide quick air clean out of dust and debris for the engine radiator, charge air cooler, transmission cooler, axle cooler, and hydraulic oil cooler.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Access to the engine will be open from both sides with hinged engine side shields and full access service doors
<input checked="" type="checkbox"/>		Engine enclosure and daily service points shall be accessible from ground level and grouped on the left side of the machine.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Engine compartment doors shall be lockable without the use of external locks.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A guard shall be available to suppress sound from the engine.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The unit shall have a 6000-hour coolant interval from the factory
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Vandal protection package shall include locking for cab doors, engine side shields (4), top tank radiator access door, engine coolant surge tank, hydraulic reservoir cap, fuel tank cap, and toolbox.

Power Train		
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Optional auto-shift shall be available
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Cruise control shall be standard.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The machine shall have no drive shafts that cross over the articulation hitch.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The transmission shall have eight forward and eight reverse speeds with built-in diagnostics
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Transmission shall have 5 working gears between 0-10.2 mph (0-16.4 km/h), for dirt applications.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The machine shall be equipped with an electronic inching pedal for improved modulation and machine control.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The transmission system shall have an independent oil reservoir, filtration, and cooling system with 31 GPM hydraulic gear pump
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The shift pattern will be the industry standard U-shape
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The transmission shift handle shall have a neutral park brake locking position. It shall include a park start safety switch
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Transmission shall be event-based shifting (EBS) or use load sensing electronic shift modulation with over-speed protection
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Transmission shall have clutch overheating protection to prevent clutch failures due to excessive and overuse of the inching pedal.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The transmission shall have rubber isolation mounting to reduce noise and vibration
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Diameter at the output end of the transmission shaft shall be no less than 2.34 in (59.5 mm)
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Transmission shall be equipped with built-in self-diagnostic capability.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Transmission shall be isolated/resilient mounted to reduce sound and vibration.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Transmission shall be a direct drive, power shift, countershaft type.
Axles/Brakes/Tandems		
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The brakes shall be continuously pressurized, filtered, oil-cooled
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The brakes shall be internal self-adjusting maintenance free, wet multi-disk, inboard of tandem pivot
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The parking brake shall have an independent oil reservoir, filtration, and cooling system with 8 GPM axle hydraulic gear pump and 10 fins per inch oil cooler
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The parking brake shall be automatic, spring-applied, hydraulic released
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The unit shall have primary and secondary service brakes
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Service brakes shall be multi-disc, oil-cooled, and completely sealed.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Service brakes shall be hydraulically actuated, utilizing dual independent brake circuits.

yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Service brake disc surfaces shall be grooved and carry oil between discs and plates with brakes fully applied.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The entire braking system shall meet all requirements of ISO 3450.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Service brakes shall provide a minimum of 3,565 in <sup>2</sup> (23,000 cm <sup>2</sup> ) of total friction material surface area used at each of the four tandem wheels to eliminate braking loads on the power train.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Differential Lock/Unlock shall be electro-hydraulically controlled, as a standard feature.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Differential Lock/Unlock shall be capable of being engaged or disengaged at any time during vehicle operation without incurring damage to the differential and differential-lock system. The engagement shall not be restricted or determined by vehicle speed, vehicle shifts, or tandem tractive conditions (tandems slipping).
<input checked="" type="checkbox"/>		Differential Lock/Unlock shall be a multi-disc design.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Differential Lock/Unlock can be selected by the operator to be automatic for gears 1-4.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Differential Lock/Unlock shall be operator controlled, via toggle switch near the right-hand blade controls
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Unit shall be equipped with a system capable of automatically engaging and disengaging diff lock to optimize tractive capability, while at the same time providing the operator with the ability to manually engage diff lock during any vehicle operation
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Parking brake shall be multi-disc, oil-cooled, spring-applied, hydraulically released, sealed, adjustment-free, and integrated into the transmission.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Parking brake shall be serviceable without removing the transmission.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Engaged parking brake shall neutralize the transmission.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Differential housing oil filter shall have a 2000 hour service replacement interval.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The axles shall be planetary single reduction final drive
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The rear axle shall have clutch style hydraulic differential lock that can be engaged on the go to achieve maximum traction instantly when required
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The rear-axle shall be a bolt-on modular design offering easy access to differential components, improving serviceability and contamination control.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The final drive shall be a planetary design.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The front axle shall be an arched design for maximum ground clearance.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Front axle oscillation shall be no less than 32 degrees total, per side 16 degrees up, 16 degrees down.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The front-wheel steering angle shall be no less than 48.5 degrees left or right.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Front-wheel spindle maintenance intervals shall be no less than 2000 hrs.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Steering tie rod ends shall be heat induction hardened.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Front-wheel spindle bearings shall be a large diameter taper roller bearing for radial and axial load

yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Tandems shall be capable of oscillating 15 degrees front tandem up and 15 degrees front tandem down, with full machine articulation and having no interference between the tandem wheel and machine structure.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Tandem chain pitch shall not be less than 2.0 in (50.8 mm).
<input checked="" type="checkbox"/>		Distance between center of tandem wheels shall be no less than 60.8 in (1540 mm).
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Maximum front wheel lean shall be no less than 20 degrees left or right.
<b>Hydraulic System</b>		
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Motor grader shall have an option of up to six auxiliary control valves and control levers integrated into the main control rack and valve stack, 14 possible control levers on the main control rack.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The hydraulic pump shall be a variable-displacement, axial-piston, load sense control, pump.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Left and right blade lifts shall have hydraulic float control.
<input checked="" type="checkbox"/>		The hydraulic system shall have a 56.0 GPM (212 L/m) main hydraulic axial piston pump and 10 fin per inch oil cooler
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Implement pump shall not be mounted under cab floor, minimizing sound and vibration.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A sight gauge will be provided for checking hydraulic reservoir fluid
<input checked="" type="checkbox"/>		The hydraulic tank shall have a baffling system to improve reservoir effectiveness to prevent aeration, contaminant settling, and heat dispersion and dissipation.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The hydraulic system shall be fully sealed, using O-ring seals to prevent contamination and spillage.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The hydraulic stand-by pressure shall be no less than 1600 psi (11031 kPa).
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Hydraulics system shall be a closed center, load sensing type, with a variable displacement, axial piston-type pump.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The maximum hydraulic system pressure shall be no less than 2,750 psi (18.961 kPa).
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Implement valves shall be proportional priority pressure compensating for a consistent response when multi-functioning any combination of implement controls and independent of engine speed.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Lock valves shall be integrated into the main implement valve to prevent cylinder drift.
<input checked="" type="checkbox"/>		Hydraulic valves shall not be mounted to the cab floor, to minimize sound and vibration.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	All implemented hydraulic connections shall have O-ring face seals for leak prevention.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The hydraulic system shall be pressure-compensated and load-sensing for reduced fuel consumption.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Steering capabilities shall be ISO 5010
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Secondary steering is available
<b>Electrical</b>		
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The electrical system shall be 24 volts with a 100 amp alternator.



yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The machine shall have 1400 CCA extra heavy-duty batteries with 440-minute reserve capacity
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The cab shall have a 10 amp continuous / 15 amp peak capacity (24V to 12 V) converter
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Optional electrical corrosion-prevention protection for protection in corrosive environments such as salt handling
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	All core machine systems shall be electronically connected optimizing performance and preventing machine damage
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	LED turn signal, marker, and brake lights shall be provided.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Unit shall be equipped with driving lights, two high and two low beam halogen headlights with front and rear turn signals, front and rear marker lights, brake lights, and hazard warning lights.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Unit shall have indicator or warning for high beams, seat belt, turn signals, cruise control, low alternator voltage, engine air filter restriction, engine oil pressure, engine coolant temperature, wait to start (glow plugs), hydraulic filter restriction
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The machine shall have backup lights and sounding alarms as standard when reverse gears are selected.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The monitor shall have multi-language options provided (English, Spanish, French, & Russian)
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Unit shall be equipped with a single LCD monitor displaying gauges for DPF cleanliness level, engine coolant temperature, transmission oil temperature, hydraulic oil temperature, rear steer articulation angle, and fuel level with a low level visual warning. The LCD monitor should also be capable of displaying vehicle performance data, diagnostic information, and diagnostic trouble codes.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Unit shall have digital readout displayed on a single LCD monitor for engine rpm, odometer, transmission gear indicator, speedometer, hour meter
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Starting system shall be a 24V direct electric type.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	All light and wiper switches will be solid-state distribution
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The in-cab switch module shall be sealed to keep out dirt, dust and airborne debris
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The unit shall be provided with a ground-level master electrical disconnect switch
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The unit shall have an electric key fuel shut-off switch
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The electrical system shall have a master disconnect switch with a padlock provision (in addition to the ignition switch), accessible from the ground level.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Cab will be wired for beacon, radio and auxiliary circuit
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The unit shall have a bypass start safety cover on the starter
<b>Operator Station</b>		
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Steering wheel and control console shall be tiltable
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The ergonomically designed steering wheel will take 5 1/4 turns (lock to lock) if the machine is equipped with manual controls. If the machine is equipped with EH controls, the steering wheel shall take 6 1/4 turns (lock to lock).

yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A steering wheel shall be required to operate the machine.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Left and right side cab doors are standard
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Cab doors shall have a hold-open clasp with a ground-level release and in addition, a release in the cab.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The machine shall provide dual exits allowing for emergency egress should one side become obstructed
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Cab shall have cup holder, personal cooler holder/storage compartment for operator's manual, with a molded floor mat
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Air vents shall be provided for all front and side tinted windows
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Three rearview mirrors shall be provided, one interior and two breakaway exterior-mounted
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	AM/FM/WB Radio including 24V to 12V converter, two speakers, antenna, and wiring shall be available.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	AM/FM/WB Radio with CD including 24V to 12V converter, two speakers, antenna, and wiring shall be available.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A rear sunshade shall be available.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The motor grader shall be equipped with a low ROPS/FOPS air-conditioned cab, isolation frame mounted for noise and vibration reduction
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	An enclosed cab with ROPS (Rollover Protective Structure) shall be provided.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	FOPS (Falling Object Protective Structure) shall be provided.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The seat shall be a cloth-covered air suspension seat with, 3-inch (76 mm) retractable seat belts, with adjustments for the fore-aft position, seat height, seatback angle, thigh support, and lumbar support.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A machine security system shall be available to electronically code keys selected by the user to limit usage by individuals or by time parameters.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Access to the cab shall be three anti-skid steps
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The machine shall provide 3 points of contact on all areas of the machine, for mounting and dismounting.
yes <input checked="" type="checkbox"/>	no <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.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Cab shall have angled floor design allowing direct visibility to moldboard.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The front glass shall be continuous and unobstructed glass from the roofline to floor for visibility of the blade, heel, and toe, back of the cutting edge, and front tires. If choosing lower opening windows, the configuration changes slightly.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The Laminated upper front tinted window shall come with a sunshade band
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The unit will come with a rear window electric defroster
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The machine shall have laminated glass for the front upper window to protect the operator from shattered glass.

yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Optional decelerator pedal shall be available
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The upper front and rear windshield washers with intermittent wipers shall be standard
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	An Operating Manual shall be provided by Seller on delivery of the unit
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A Service Manual shall be provided by Seller on delivery of the unit
<b>General Specifications</b>		
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Machine Wheel Base (distance from the front axle to mid tandem) shall not be less than 242.6 in (6,160 mm).
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The machine shall be designed and built by the manufacturer.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Transmission shall be designed and built by the machine manufacturer.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The fuel tank capacity shall be no less than 110 gallons (416 L)
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Machine height to top of the cab shall not exceed 125 in (3,180 mm).
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Turning radius will be no greater than 284 in (7,214 mm)
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Max saleable weight of the machine shall not be more than 46,800 lbs (21 228 kg). Weight shall be the heaviest possible combination of compatible attachments, also including lubricants, full fuel tank, and operator of 200 lbs (91 kg).
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Base Machine Weight shall not be less than 35,220 lbs (15,976 kg). Weight shall include standard machine configuration, lubricants, coolants, full fuel tank, and operator of 175 lbs (80 kg).
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Six Cylinder, turbocharged with air-to-air aftercooler diesel engine and shall be designed and built by the manufacturer
<b>Frames and Structures</b>		
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The angle of articulation shall be no less than 22 degrees.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The articulation joint shall have a mechanical locking device to prevent frame articulation while servicing or transporting the machine.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The rear frame shall have two box section channels with an integrated bumper.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The frame shall be ready for snow wing attachment
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The motor grader main frame shall be designed with .89" ( 23mm) top and bottom plates and .63" (16mm) side plates
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The unit will be provided with a seven-position pin-locking saddle
<b>Circle and Mold Board</b>		
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Shall have 14' long, 24" high by 7/8" thick moldboard available with 5/8" hardware available
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The moldboard shall be pre-stressed during manufacturing for superior strength and durability
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The moldboard will have quick-change circle wear and side shift wear inserts, capable of being replaced in approximately 2 hours using only a 9/16" wrench.



yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Moldboard shall have a bank slope angle capability of at least 90 degrees to both sides.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Slide rails shall be hardened, continuously welded, and have replaceable bronze-alloy wear inserts on top and bottom.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Moldboard slide rails shall be constructed of heat-treated, high-carbon steel.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Moldboard shall have a hydraulic tip control through a range of 42 degrees fore and 5 degrees aft.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Throat clearance with standard moldboard shall be at least 4.8 in (123 mm)
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The motor grader shall have five permanent and usable tie downs for transport
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Drawbar wear strips shall be replaceable drop-in inserts, made from nylon composite material.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Circle and drawbar vertical adjustment points shall be accessible from the bottom of the drawbar, for ease of maintenance.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Circle radial wear insert shall be replaced without removing the circle support castings for quick easy maintenance.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Moldboard wear strips shall be adjusted with lock screws, providing shim-less adjustment capability both vertical & horizontal.
<b>Serviceability</b>		
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Daily checkpoints shall be accessible from the left side of the engine and shall be done from ground level
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The dipstick for checking transmission fluid shall be at ground-level
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The engine shall have environmentally friendly fuel drain valves
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Environmental drain provisions will be provided for the hydraulic oil, engine oil, engine coolant, transmission, differential, and fuel tank.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A high-speed oil drain system shall be available with ground-level quick connect access.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Fuel fast-fill shall be ground-level access, and capable of fill rates of up to 150 gallons/minute (xxx liters/min)
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Standard hydraulic tank capacity shall not be more than 16 gallons (60.6 L).
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Standard fuel tank capacity shall not be less than 110 gallons (416 L).
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Standard cooling system capacity shall not be less than 11.6 gallons (43.9 L).
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Standard engine oil capacity shall not be less than 6.3 gallons (23.8 L).
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Standard tandem housing capacity shall not be less than 19.5 gallons (73.8 L) each.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Standard circle drive housing capacity shall not be less than 1.5 gallons (5.7 L)
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Standard front-wheel AWD gearbox shall not be less than 2 gallons (7.2 L).
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Engine oil filter shall be a 500-hour, vertical spin-on

yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Engine primary and final fuel filters shall have a 500-hour service replacement interval.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The engine shall have primary fuel filter with fuel water separator and electronic sensor; quick release dual-stage filter and primer pump
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Hydraulic, transmission, and differential filters shall be banked and easily assessable through the engine compartment doors.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Hydraulic filter shall have a service interval of 2000 hours
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Hydraulic oil change service interval shall be no less than 4000 hours
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Transmission filter restriction indicator shall be displayed in the cab
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Transmission oil filter service replacement interval shall be 2000 hours
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The centralized lube bank shall be at the articulation joint to give access to difficult to reach zerks
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Sampling ports shall be accessible from the tandem level and provide access to the engine, hydraulic, coolant, and fuel ports.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A two-way communication tool shall give service technicians easy access to stored diagnostic data and allow the configuration of machine parameters.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Unit shall be equipped with OEM provided wireless communication system capable of monitoring and communicating machine location, fuel burn, as well as multiple other vehicle performance data. In addition, the system shall be capable of updating system control software wirelessly.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The engine shall allow for at least 500 hours of operation between oil changes.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	An Operating Manual shall be provided by Seller on delivery of the unit
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A Service Manual shall be provided by Seller on delivery of the unit
<b>Tires / Rims</b>		
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Tires mounted on a 9 in (22.86 cm) by 24 in (61 cm) single-piece tire rim to provide mounting for 14x24 pr 14R24 tires
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A 10 in (25.4 cm) by 24 in (60.96 cm) size multi-piece tire rim shall be available to provide mounting for 14.00-24 and 14.00R24 conventional tires.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A 14 in (35.6 cm) by 25 in (63.5 cm) size multi-piece tire rim shall be available to provide mounting for 17.5R25 tires.
<b>Safety</b>		
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Standard grey glare-reducing paint shall be used on the front frame and engine enclosure to decrease glare from other equipment lights and reflection from the sun and snow.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The engine shall be rubber isolation mounted to reduce noise and vibration
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	The unit shall have a fan finger guard
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A toolbox shall be provided.
<b>Optional Equipment</b>		
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Blade lift accumulators shall be available, to reduce vertical impact damage.

yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Blade lift accumulators shall be available, to reduce vertical impact damage.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A rear vision camera with an integrated display and wiring shall be available.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A front lift group shall be available
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A front scarifier and mid-mount scarifier shall be available.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Rear fenders shall meet ISO-3457 requirements and shall not interfere with the ability to fully open any cab or engine enclosure, or service access doors.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	A rear hitch 120 lb (54 kg) or rear counterweight 1,603 lb (727.1 kg) with integral hitch are available
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Rear ripper shall have five ripper shank holders and 9 scarifier shank holders.
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Rear ripper shall have a working penetration of maximum 16.8 in (426 mm) and a minimum penetration force of 20,700 lb (9397 kg) at a typically equipped operating weight
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Front ripper. If not included, cost of same: \$ 9558. <sup>00</sup>
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Spare wheel & tire. If not included, cost of same: \$ 2998. <sup>00</sup>
yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	Bias tires. If not included, cost of same per tire: \$ 16252. <sup>00</sup>



JOHN DEERE

## Investment Proposal (Quote)

RDO Equipment Co.  
5301 Mark IV Parkway  
Fort Worth TX, 76131  
Phone: (817) 232-8094 - Fax: (817) 847-0398

RECEIVED

JAN 24 2022

JACK COUNTY AUDITOR

Proposal for:  
JACK COUNTY PCT 4  
100 N MAIN ST  
STE 109  
JACKSBORO, TX, 764581746  
Jack

Investment Proposal Date: 1/23/2022  
Pricing Valid Until: 2/6/2022  
Deal Number: 1522592  
Customer Account#: 2971007  
Sales Professional: Cody Reinders  
Phone: (817) 232-8094  
Fax: (817) 847-0398  
Email: CReinders@rdoequipment.com

### Equipment Information

Quantity	Serial Number Stock Number	Hours (approx.)	Status / Year / Make / Model Additional Items	Cash Price
1	TBD TBD	0	New 2022 JOHN DEERE 670G	\$306,509.09

PM Essential Final Tier 4 - 0 - 1500 Hours

Warranty - John Deere Comprehensive-60 Months, 4000  
Hours, Deductible: 0, Exp Date: 1/23/2027

Equipment Subtotal: \$306,509.09

### Purchase Order Totals

Balance:	\$306,509.09
Total Taxable Amount:	\$0.00
TX STATE TAX:	\$0.00
TX CITY TAX:	\$0.00
TX SPECIAL TAX:	\$0.00
Sales Tax Total:	\$0.00
HEI:	\$717.23
Sub Total:	\$307,226.32
Cash with Order:	\$0.00
Balance Due:	\$307,226.32

FILED FOR RECORD

\_\_\_\_\_ O'CLOCK \_\_\_\_\_ M

JAN 24 2022

VANESSA JAMES, County Clerk  
JACK COUNTY, TEXAS

BY \_\_\_\_\_ DEPUTY

D1522592

Page 1 of 2

*Bid denied*

Equipment Options

Qty	Serial Number	Year / Make / Model	Description
1	TBD	2022 JOHN DEERE 670G	8440T 670G MOTOR GRADER 1020 ELECTRO HYDRAULIC CONTROLS 1140 9.0L ENG,EPA FINAL TIER IV 1240 ALTERNATOR 200 AMP 1310 QUICK SERVICE GROUP 1420 SEV DUTY FUEL FILTER/LINES 1610 HYDRAULIC PUMP DISCONNECT 170K JDLINK 1830 BLACK EXHAUST STACK 1910 BLADE IMPACT ABSORPTION SYST 2050 14'X24"X7/8" MB (6"CEX5/8") 2605 ENGLISH LABELS & DECALS 2820 SNGL INPUT W/ SLIP CLUTCH 4917 14R24 G2/L2 1* NBP 1PC RIM 5070 EH LOW CAB W/ WINDOWS 5515 AUTOSHIFT PLUS TRANS 5710 TRANS VALVE SOLENOID GUARD 5815 HYDRAU-GREASE,OIL,FUEL,COOLN 6030 NO CAB PRECLEANER 6140 PREM POST/CONT FAB EH CNTRLS 6555 EH CONTROL VALVE W/ 1 AUX 6650 EH PLACE HOLDER 6710 FRONT PUSH BLOCK 6810 REAR RIPPER/SCARIFIER COMBO 7130 STD LIGHT PKG W/LED COLORED 7820 NO FRONT FENDERS 8120 CONVERTER, 25 AMP 24V TO 12V 8210 MIRROR, CONVEX EXTERIOR 8320 LESS LOWER FRONT WIPER 8415 RADIO AM/FM/WB BLUETOOTH 8510 A/C - CHARGE 8830 REAR CAMERA (R4) 9130 REAR RETRACTABLE SUNSHADE 9210 PEDAL DECELERATOR 9220 FIRE EXTINGUISHER 9280 SMV SIGN WITH BRACKET 9299 BEACON STROBE LEFT 9360 HEATER ENG COOLANT 9625 SECONDARY STEERING EU 9717 G2/L2 1* NBP 1PC RIM