Item 1

140 Steering wheel + levers

bid approved 01/24/2022

JACK COUNTY COMPETITIVE BID PROPOSAL FORM

RECEIVED
JAN 24 2022
JACK COUNTY AUDITOR

(Purchase of Motor Grader in Commissioner Precinct 4)

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

$ - 266,972.73 -

Manufacturer of Unit: Caterpillar -

Model No.: 140 Steering wheel + levers -

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 - 7 - days. I have 1 machine on order at this price ETA mid Feb

Name of Bidder: Holt Caterpillar -

By: Pat Dunn 817-996-6348 -
(Authorized Agent)

Dated: 1/20/22 2022.

FILED FOR RECORD
_____ O'CLOCK ____ M
JAN 24 2022
VANESSA JAMES, County Clerk
JACK COUNTY, TEXAS
BY _____ DEPUTY

Item 2 140 Joystick

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:

$ - 295,985.73 -

Manufacturer of Unit: Caterpillar -

Model No.: 140 Joystick -

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 - 120 - days.

Name of Bidder: Holt Caterpillar -

By: Pat Dunn -
(Authorized Agent)

Dated: 1/20/22 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.

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 17, 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]

Compliance		Bid specifications for interim Tier 3 or 4 compliant Motor Grader
		Engine
yes	no	The engine meets EPA Interim Tier 4 and European Union Stage III B standards
yes	no	The engine shall have Dual safety air cleaner elements, radial seal, dry type
yes	no	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	no	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	no	Fuel system shall be high-pressure, common rail
yes	no	Engine bore and stroke shall be 4.66 X 5.35 in. (118 X 136 mm)
yes	no	The engine shall be a turbocharged, direct injection, four-stroke, 6-cylinder diesel engine with 4 valves per cylinder.
yes	no	The engine shall be electronically controlled for more efficient fuel injection and fuel burn.
yes	no	Engine displacement for a standard engine shall be no less than 9.0 liters (548 cu. in.)
yes	no	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	no	Standard and Optional peak engine power shall not be achieved at an engine speed greater than 2100 rpm.
yes	no	The standard engine will have a minimum torque rise of 68% in all gears
yes	no	Unit shall have a self-draining muffler with a curved stack
yes	no	Unit shall be equipped with Engine Power Management System for variable horsepower for up to 245 SAE net and shall meet IT4 standards
yes	no	A jacket water heater shall be available to assist in cold weather starting.
yes	no	The machine shall be equipped with electronic over-speed protection to prevent the engine and transmission from over speeding, as a standard feature.
yes	no	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	no	The Electronic Throttle Control modes, set and accelerate functions, shall be located on the right console for easy access.
yes	no	The engine shall have an altitude compensating turbocharger
yes	no	Six Cylinder, turbocharged with air-to-air aftercooler diesel engine and shall be designed and built by the manufacturer
yes	no	Unit shall be equipped with engine stall prevention (ESP) as standard equipment

		Cooling
yes	no	A guard shall be available to protect the machine's transmission from debris.
yes	no	Coolant levels should be easily checked by sight gauges or overflow tank
yes	no	Engine coolant shall be Cool Guard™ II Extended Life or equivalent for temperatures to -34 F
yes	no	Air intake shall be pre-screened (3 mm perforations) standard
yes	no	The charged air cooler shall be heavy-duty aluminum 10 fin per inch
yes	no	The engine shall have an air-to-air aftercooling for low engine speed lugging
yes	no	Unit shall have charged air cooler with restriction sensor and in-cab restriction warning light
yes	no	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	no	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	no	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	no	The hydraulic oil cooler shall be 10 fins per inch with a vertical, spin-on filter
yes	no	The radiator shall be constructed of aluminum and have 10 fins per inch spacing
yes	no	Unit shall have a coolant recovery tank provided
yes	no	Cooling system shall be isolated from the engine compartment
yes	no	Pivot and/or slide out coolers provide access for quick air clean out of dust and debris
yes	no	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	no	Access to the engine will be open from both sides with hinged engine side shields and full access service doors
		Engine enclosure and daily service points shall be accessible from ground level and grouped on the left side of the machine.
yes	no	Engine compartment doors shall be lockable without the use of external locks.
yes	no	A guard shall be available to suppress sound from the engine.
yes	no	The unit shall have a 6000-hour coolant interval from the factory
yes	no	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	no	Optional auto-shift shall be available
yes	no	Cruise control shall be standard.
yes	no	The machine shall have no drive shafts that cross over the articulation hitch.
yes	no	The transmission shall have eight forward and eight reverse speeds with built-in diagnostics
yes	no	Transmission shall have 5 working gears between 0-10.2 mph (0-16.4 km/h), for dirt applications.
yes	no	The machine shall be equipped with an electronic inching pedal for improved modulation and machine control.
yes	no	The transmission system shall have an independent oil reservoir, filtration, and cooling system with 31 GPM hydraulic gear pump
yes	no	The shift pattern will be the industry standard U-shape
yes	no	The transmission shift handle shall have a neutral park brake locking position. It shall include a park start safety switch
yes	no	Transmission shall be event-based shifting (EBS) or use load sensing electronic shift modulation with over-speed protection
yes	no	Transmission shall have clutch overheating protection to prevent clutch failures due to excessive and overuse of the inching pedal.
yes	no	The transmission shall have rubber isolation mounting to reduce noise and vibration
yes	no	Diameter at the output end of the transmission shaft shall be no less than 2.34 in (59.5 mm)
yes	no	Transmission shall be equipped with built-in self-diagnostic capability.
yes	no	Transmission shall be isolated/resilient mounted to reduce sound and vibration.
yes	no	Transmission shall be a direct drive, power shift, countershaft type.
		Axles/Brakes/Tandems
yes	no	The brakes shall be continuously pressurized, filtered, oil-cooled
yes	no	The brakes shall be internal self-adjusting maintenance free, wet multi-disk, inboard of tandem pivot
yes	no	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	no	The parking brake shall be automatic, spring-applied, hydraulic released
yes	no	The unit shall have primary and secondary service brakes
yes	no	Service brakes shall be multi-disc, oil-cooled, and completely sealed.
yes	no	Service brakes shall be hydraulically actuated, utilizing dual independent brake circuits.

yes	no	Service brake disc surfaces shall be grooved and carry oil between discs and plates with brakes fully applied.
yes	no	The entire braking system shall meet all requirements of ISO 3450.
yes	no	Service brakes shall provide a minimum of 3,565 in² (23,000 cm²) of total friction material surface area used at each of the four tandem wheels to eliminate braking loads on the power train.
yes	no	Differential Lock/Unlock shall be electro-hydraulically controlled, as a standard feature.
yes	no	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).
		Differential Lock/Unlock shall be a multi-disc design.
yes	no	Differential Lock/Unlock can be selected by the operator to be automatic for gears 1-4.
yes	no	Differential Lock/Unlock shall be operator controlled, via toggle switch near the right-hand blade controls
yes	no	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	no	Parking brake shall be multi-disc, oil-cooled, spring-applied, hydraulically released, sealed, adjustment-free, and integrated into the transmission.
yes	no	Parking brake shall be serviceable without removing the transmission.
yes	no	Engaged parking brake shall neutralize the transmission.
yes	no	Differential housing oil filter shall have a 2000 hour service replacement interval.
yes	no	The axles shall be planetary single reduction final drive
yes	no	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	no	The rear-axle shall be a bolt-on modular design offering easy access to differential components, improving serviceability and contamination control.
yes	no	The final drive shall be a planetary design.
yes	no	The front axle shall be an arched design for maximum ground clearance.
yes	no	Front axle oscillation shall be no less than 32 degrees total, per side 16 degrees up, 16 degrees down.
yes	no	The front-wheel steering angle shall be no less than 48.5 degrees left or right.
yes	no	Front-wheel spindle maintenance intervals shall be no less than 2000 hrs.
yes	no	Steering tie rod ends shall be heat induction hardened.
yes	no	Front-wheel spindle bearings shall be a large diameter taper roller bearing for radial and axial load

yes	no	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	no	Tandem chain pitch shall not be less than 2.0 in (50.8 mm).
		Distance between center of tandem wheels shall be no less than 60.8 in (1540 mm).
yes	no	Maximum front wheel lean shall be no less than 20 degrees left or right.
		Hydraulic System
yes	no	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	no	The hydraulic pump shall be a variable-displacement, axial-piston, load sense control, pump.
yes	no	Left and right blade lifts shall have hydraulic float control.
		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	no	Implement pump shall not be mounted under cab floor, minimizing sound and vibration.
yes	no	A sight gauge will be provided for checking hydraulic reservoir fluid
		The hydraulic tank shall have a baffling system to improve reservoir effectiveness to prevent aeration, contaminant settling, and heat dispersion and dissipation.
yes	no	The hydraulic system shall be fully sealed, using O-ring seals to prevent contamination and spillage.
yes	no	The hydraulic stand-by pressure shall be no less than 1600 psi (11031 kPa).
yes	no	Hydraulics system shall be a closed center, load sensing type, with a variable displacement, axial piston-type pump.
yes	no	The maximum hydraulic system pressure shall be no less than 2,750 psi (18.961 kPa).
yes	no	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	no	Lock valves shall be integrated into the main implement valve to prevent cylinder drift.
		Hydraulic valves shall not be mounted to the cab floor, to minimize sound and vibration.
yes	no	All implemented hydraulic connections shall have O-ring face seals for leak prevention.
yes	no	The hydraulic system shall be pressure-compensated and load-sensing for reduced fuel consumption.
yes	no	Steering capabilities shall be ISO 5010
yes	no	Secondary steering is available
		Electrical
yes	no	The electrical system shall be 24 volts with a 100 amp alternator.

yes	no	The machine shall have 1400 CCA extra heavy-duty batteries with 440-minute reserve capacity
yes	no	The cab shall have a 10 amp continuous / 15 amp peak capacity (24V to 12 V) converter
yes	no	Optional electrical corrosion-prevention protection for protection in corrosive environments such as salt handling
yes	no	All core machine systems shall be electronically connected optimizing performance and preventing machine damage
yes	no	LED turn signal, marker, and brake lights shall be provided.
yes	no	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	no	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	no	The machine shall have backup lights and sounding alarms as standard when reverse gears are selected.
yes	no	The monitor shall have multi-language options provided (English, Spanish, French, & Russian)
yes	no	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	no	Unit shall have digital readout displayed on a single LCD monitor for engine rpm, odometer, transmission gear indicator, speedometer, hour meter
yes	no	Starting system shall be a 24V direct electric type.
yes	no	All light and wiper switches will be solid-state distribution
yes	no	The in-cab switch module shall be sealed to keep out dirt, dust and airborne debris
yes	no	The unit shall be provided with a ground-level master electrical disconnect switch
yes	no	The unit shall have an electric key fuel shut-off switch
yes	no	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	no	Cab will be wired for beacon, radio and auxiliary circuit
yes	no	The unit shall have a bypass start safety cover on the starter
		Operator Station
yes	no	Steering wheel and control console shall be tiltable
yes	no	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	no	A steering wheel shall be required to operate the machine.
yes	no	Left and right side cab doors are standard
yes	no	Cab doors shall have a hold-open clasp with a ground-level release and in addition, a release in the cab.
yes	no	The machine shall provide dual exits allowing for emergency egress should one side become obstructed
yes	no	Cab shall have cup holder, personal cooler holder/storage compartment for operator's manual, with a molded floor mat
yes	no	Air vents shall be provided for all front and side tinted windows
yes	no	Three rearview mirrors shall be provided, one interior and two breakaway exterior-mounted
yes	no	AM/FM/WB Radio including 24V to 12V converter, two speakers, antenna, and wiring shall be available.
yes	no	AM/FM/WB Radio with CD including 24V to 12V converter, two speakers, antenna, and wiring shall be available.
yes	no	A rear sunshade shall be available.
yes	no	The motor grader shall be equipped with a low ROPS/FOPS air-conditioned cab, isolation frame mounted for noise and vibration reduction
yes	no	An enclosed cab with ROPS (Rollover Protective Structure) shall be provided.
yes	no	FOPS (Falling Object Protective Structure) shall be provided.
yes	no	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	no	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	no	Access to the cab shall be three anti-skid steps
yes	no	The machine shall provide 3 points of contact on all areas of the machine, for mounting and dismounting.
yes	no	Left and right side tandem case assemblies shall be covered with punched steel plate to provide an adequate platform for standing and walking.
yes	no	Cab shall have angled floor design allowing direct visibility to moldboard.
yes	no	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	no	The Laminated upper front tinted window shall come with a sunshade band
yes	no	The unit will come with a rear window electric defroster
yes	no	The machine shall have laminated glass for the front upper window to protect the operator from shattered glass.

yes	no	Optional decelerator pedal shall be available
yes	no	The upper front and rear windshield washers with intermittent wipers shall be standard
yes	no	An Operating Manual shall be provided by Seller on delivery of the unit
yes	no	A Service Manual shall be provided by Seller on delivery of the unit
		General Specifications
yes	no	Machine Wheel Base (distance from the front axle to mid tandem) shall not be less than 242.6 in (6,160 mm).
yes	no	The machine shall be designed and built by the manufacturer.
yes	no	Transmission shall be designed and built by the machine manufacturer.
yes	no	The fuel tank capacity shall be no less than 110 gallons (416 L)
yes	no	Machine height to top of the cab shall not exceed 125 in (3,180 mm).
yes	no	Turning radius will be no greater than 284 in (7,214 mm)
yes	no	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	no	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	no	Six Cylinder, turbocharged with air-to-air aftercooler diesel engine and shall be designed and built by the manufacturer
		Frames and Structures
yes	no	The angle of articulation shall be no less than 22 degrees.
yes	no	The articulation joint shall have a mechanical locking device to prevent frame articulation while servicing or transporting the machine.
yes	no	The rear frame shall have two box section channels with an integrated bumper.
yes	no	The frame shall be ready for snow wing attachment
yes	no	The motor grader main frame shall be designed with .89" (23mm) top and bottom plates and .63" (16mm) side plates
yes	no	The unit will be provided with a seven-position pin-locking saddle
		Circle and Mold Board
yes	no	Shall have 14' long, 24" high by 7/8" thick moldboard available with 5/8" hardware available
yes	no	The moldboard shall be pre-stressed during manufacturing for superior strength and durability
yes	no	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	no	Moldboard shall have a bank slope angle capability of at least 90 degrees to both sides.
yes	no	Slide rails shall be hardened, continuously welded, and have replaceable bronze-alloy wear inserts on top and bottom.
yes	no	Moldboard slide rails shall be constructed of heat-treated, high-carbon steel.
yes	no	Moldboard shall have a hydraulic tip control through a range of 42 degrees fore and 5 degrees aft.
yes	no	Throat clearance with standard moldboard shall be at least 4.8 in (123 mm)
yes	no	The motor grader shall have five permanent and usable tie downs for transport
yes	no	Drawbar wear strips shall be replaceable drop-in inserts, made from nylon composite material.
yes	no	Circle and drawbar vertical adjustment points shall be accessible from the bottom of the drawbar, for ease of maintenance.
yes	no	Circle radial wear insert shall be replaced without removing the circle support castings for quick easy maintenance.
yes	no	Moldboard wear strips shall be adjusted with lock screws, providing shim-less adjustment capability both vertical & horizontal.
		Serviceability
yes	no	Daily checkpoints shall be accessible from the left side of the engine and shall be done from ground level
yes	no	The dipstick for checking transmission fluid shall be at ground-level
yes	no	The engine shall have environmentally friendly fuel drain valves
yes	no	Environmental drain provisions will be provided for the hydraulic oil, engine oil, engine coolant, transmission, differential, and fuel tank.
yes	no	A high-speed oil drain system shall be available with ground-level quick connect access.
yes	no	Fuel fast-fill shall be ground-level access, and capable of fill rates of up to 150 gallons/minute (xxx liters/min)
yes	no	Standard hydraulic tank capacity shall not be more than 16 gallons (60.6 L).
yes	no	Standard fuel tank capacity shall not be less than 110 gallons (416 L).
yes	no	Standard cooling system capacity shall not be less than 11.6 gallons (43.9 L).
yes	no	Standard engine oil capacity shall not be less than 6.3 gallons (23.8 L).
yes	no	Standard tandem housing capacity shall not be less than 19.5 gallons (73.8 L) each.
yes	no	Standard circle drive housing capacity shall not be less than 1.5 gallons (5.7 L)
yes	no	Standard front-wheel AWD gearbox shall not be less than 2 gallons (7.2 L).
yes	no	Engine oil filter shall be a 500-hour, vertical spin-on

yes	no	Engine primary and final fuel filters shall have a 500-hour service replacement interval.
yes	no	The engine shall have primary fuel filter with fuel water separator and electronic sensor; quick release dual-stage filter and primer pump
yes	no	Hydraulic, transmission, and differential filters shall be banked and easily assessable through the engine compartment doors.
yes	no	Hydraulic filter shall have a service interval of 2000 hours
yes	no	Hydraulic oil change service interval shall be no less than 4000 hours
yes	no	Transmission filter restriction indicator shall be displayed in the cab
yes	no	Transmission oil filter service replacement interval shall be 2000 hours
yes	no	The centralized lube bank shall be at the articulation joint to give access to difficult to reach zerks
yes	no	Sampling ports shall be accessible from the tandem level and provide access to the engine, hydraulic, coolant, and fuel ports.
yes	no	A two-way communication tool shall give service technicians easy access to stored diagnostic data and allow the configuration of machine parameters.
yes	no	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	no	The engine shall allow for at least 500 hours of operation between oil changes.
yes	no	An Operating Manual shall be provided by Seller on delivery of the unit
yes	no	A Service Manual shall be provided by Seller on delivery of the unit
		Tires / Rims
yes	no	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	no	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	no	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.
		Safety
yes	no	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	no	The engine shall be rubber isolation mounted to reduce noise and vibration
yes	no	The unit shall have a fan finger guard
yes	no	A toolbox shall be provided.
		Optional Equipment
yes	no	Blade lift accumulators shall be available, to reduce vertical impact damage.

yes	no	Blade lift accumulators shall be available, to reduce vertical impact damage.
yes	no	A rear vision camera with an integrated display and wiring shall be available.
yes	no	A front lift group shall be available
yes	no	A front scarifier and mid-mount scarifier shall be available.
yes	no	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	no	A rear hitch 120 lb (54 kg) or rear counterweight 1,603 lb (727.1 kg) with integral hitch are available
yes	no	Rear ripper shall have five ripper shank holders and 9 scarifier shank holders.
yes	no	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	no	Front ripper. If not included, cost of same: $ N/A
yes	no	Spare wheel & tire. If not included, cost of same: $ N/A
yes	no	Bias tires. If not included, cost of same per tire: $ N/A

Item 1 Steering Wheel + levers

DATE: January 20, 2022
QUOTE #:294341-01

JACK COUNTY PRECINCT 4
TERRY WARD

100 N MAIN ST STE 202
JACKSBORO, TEXAS 76458-1746

Patrick Dunn
817.996.6348

One (1) New Caterpillar Inc Model: 140 Motor Graders with all standard equipment in addition to the additional specifications listed below:

STOCK NUMBER: HLK046666 **SERIAL NUMBER: 0N9400562**

List Price	$438,850.00
Sourcewell Contract 032119 discount 30%	($131,655.00)
Holt Caterpillar customer loyalty discount	(40,222.27)
SUB TOTAL	**$266,972.73**
TOTAL PURCHASE PRICE	**$266,972.73**

WARRANTY

Standard Warranty:	12 Month/Unlimited Hours Total Machine
Extended Warranty:	7 year or 5000 hour power train extended warranty

Jack County Sourcewell member ID 37216

DATE: January 20, 2022QUOTE #:Quote 294341-01

MACHINE SPECIFICATIONS

STOCK NUMBER: HLK046666 **SERIAL NUMBER: 0N9400562**

DESCRIPTION	REF.#
140 13A MOTOR GRADER	515-2449
MOLDBOARD, 14' PLUS	439-9110
LINK BAR, HYDRAULIC	559-2201
NO LOCK OUT, CAB	437-0690
RIPPER-SCARIFIER, REAR	515-4649
LIGHTS, CAB ROOF, HALOGEN	501-4739
WEATHER, STANDARD, TANDEM	522-6386
NO GRADE CONTROL TECHNOLOGY	566-5529
BASE+1 (RIP)	524-8989
STARTER, HEAVY DUTY	515-2231
CAB, PLUS	522-6688
MIRROR, EXTERNAL BASIC	565-2320

DESCRIPTION	REF.#
PRODUCT LINK, CELLULAR PLE641	519-3712
FAN, STANDARD TANDEM	558-3846
TIRES, 17.5R25 BS VKT * D2A MP	252-0775
COOLANT (-40C)	522-6654
FUEL ANTIFREEZE, -25C (-13F)	0P-3978
DECALS, ENGLISH (US)	516-2552
CIRCLE SAVER	521-3250
CAMERA, REAR VISION	524-1768
PREMIUM CORP RADIO (12V)	518-3026
GUARD, TRANSMISSION	522-2419
PUSH PLATE, COUNTERWEIGHT	336-1559
ROLL ON-ROLL OFF	0P-2265
SEAT, CLOTH AIR SUSPENSION	518-3382
DRAWBAR, TOP ADJUST	522-6756
PRECLEANER, NON SY-KLONE	380-6774
ROADING LIGHTS W/FOLD DOWN ARM	562-3742
LIGHTS, WORK BASIC, HALOGEN	522-6533
LOW BAR, HALOGEN, TANDEM	519-3700
ACCUMULATORS, NO ARO	526-9853
COVERS, UNDER CAB	522-2402
LANE 2 ORDER	0P-9002
SERIALIZED TECHNICAL MEDIA KIT	421-8926

STANDARD EQUIPMENT

POWERTRAIN

Air cleaner, dual stage dry type radial seal with service indicator and automatic dust ejector
Air-to-air after cooler (ATAAC)
Belt, serpentine, automatic tensioner
Brakes, oil disc, four-wheel, hydraulic
Demand fan, hydraulic
Electronic over-speed protection
Engine, C9 with ACERT technology, diesel with automatic engine derate and idle control. EPA/ARB tier 4 final & EU stage IV certified engine & aftertreatment
Parking brake, multi-disc, sealed and oil cooled
Sediment drain, fuel tank
Tandem drive
Transmission, 8 speed forward and 6 speed reverse, power shift, direct drive
VHP Plus (Variable Horse Power Plus)

ELECTRICAL

Alarm, back-up
Alternator, 150 ampere, sealed
Batteries, maintenance free, heavy duty, 1125 CCA
Breaker panel
Electrical system, 24 volt
Lights, reversing
Starter, electric

OPERATOR ENVIRONMENT

Steering wheel
Air Conditioning with heater
Articulation
Centershift pin indicator
Display, digital speed and gear
Load sensing hydraulic controls:
-Right/left blade lift
-Circle drive
-Center shift
-Side shift
-Blade tip
-Front wheel lean
Doors, left and right side
Gauge, machine level
Gauges (analog) inside the cab (includes fuel, articulation, engine coolant temp, engine RPM and hydraulic oil temp, DEF/AdBlue)
Lights, night time cab
Messenger Display
-Meter
-Hour digital
Mirror
Inside rearview, wide angle
Power port, 12V
Radio ready, entertainment
ROPS cab, 77dB(A) ISO 6394
Storage area for cooler/lunchbox
Throttle control, electronic
Windows: laminated glass
Fixed front with intermittent wiper
windows: tempered
Left and right side wipers
Rear with intermittent wiper
Cab Storage

SAFETY AND SECURITY

Clutch, circle drive slip
Doors, 2 engine compartment, (two left hand, two right hand) locking
Doors, 2 service, left and right locking
Ground level engine shutdown
Hammer (emergency exit)
Horn, electric
Seat belt, retractable 3"
Secondary steering
Tandem walkway/guards

FLUIDS

Antifreeze
Extended life coolant -35C/-30F

OTHER STANDARD EQUIPMENT

Accumulators -brake -dual certified
Drawbar,6 shoe w/replaceable wear strips
Fluid check, ground level
Fuel tank, 100 gallon (378 L)
Ground level fueling
DEF/AdBlue Tank, 3.3 gallon (12.5 L)
Hydraulic lines for base functions
Pump, hydraulic, high capacity
(100cc / 6 cu in)
Radiator, cleanout access
(both sides with swing doors)
SOS ports - engine -hydraulic
-transmission -coolant -fuel
Tool box
Debris guard

Item 2 140 Joystick

DATE: January 18, 2022
QUOTE #:294432-01

JACK COUNTY PRECINCT 4
TERRY WARD

100 N MAIN ST STE 202
JACKSBORO, TEXAS 76458-1746

Patrick Dunn
817.996.6348

One (1) New Caterpillar Inc Model: 140JOY-BR Motor Graders with all standard equipment in addition to the additional specifications listed below:

List Price	$488,497.00
Sourcewell contract 032119 discount 30%	($146,549.10)
Holt Caterpillar customer loyalty discount	($45,962.17)
SUB TOTAL	**$295,985.73**
TOTAL PURCHASE PRICE	**$295,985.73**

WARRANTY

Standard Warranty:	12 Month/Unlimited Hours Total Machine
Extended Warranty:	7 year or 5000 hour power train extended warranty

Jack County Sourcewell member ID 37216

DATE: January 18, 2022QUOTE #:Quote 294432-01

MACHINE SPECIFICATIONS

DESCRIPTION	REF.#
BR/17.5TI/14MB/WRKLIGHTS	577-3021
LANE 3 ORDER	0P-9003
GLOBAL ARRANGEMENT	385-9294
MOLDBOARD, 14' PLUS	349-3048
RIPPER/SCARIFIER	324-0889
ACCUMULATORS, BLADE LIFT	358-9338
PRECLEANER, NON SY-KLONE	380-6774
ENGINE, TIER IV	567-4685
BASE + 1 (RIP)	385-8094
STARTER, ELECTRIC, HEAVY DUTY	394-3945
LIGHTS, ARM, FOLD DOWN	536-9969
LIGHTS, ROADING, HALOGEN	421-7810

DESCRIPTION	REF.#
CAB, PLUS (STANDARD GLASS)	385-9554
CAB, PLUS (INTERIOR)	397-7457
SEAT BELT	394-1492
PRODUCT LINK, CELLULAR PLE742	464-6442
CONTROL,AUTO ARTICULATION-DEMO	483-2354
TANK, FUEL, STANDARD	540-2373
FAN, STANDARD, TND	542-4660
GUARD GP, HITCH	323-6970
COOLANT, 50/50, -35C (-31F)	469-8157
ANTIFREEZE WINDSHIELD WASHER	0P-1939
FUEL ANTIFREEZE, -25C (-13F)	0P-3978
LANGUAGE, ENGLISH	386-1254
DECALS, ENGLISH (U.S.)	442-9940
HEADLIGHTS,FRONT, LOW, HALOGEN	308-9370
CAMERA, REAR VISION	396-3921
MIRRORS, OUTSIDE MOUNTED	233-3295
GUARD, TRANSMISSION	366-2459
CIRCLE SAVER	521-3250
PUSH PLATE, COUNTERWEIGHT HD	367-6842
ROLL ON-ROLL OFF	0P-2265
WEATHER, STANDARD	353-3316
DRAIN, HIGH SPEED, ENGINE OIL	501-1163
CAT GRADE, ARO, TND	583-6974
JOYSTICK CONTROLS, ADVANCED	458-8701
TIRES, 17.5R25 BS VKT * D2A MP	252-0775
LIGHTS, WORKING, PLUS, HALOGEN	395-1967
TOOTH, STRAIGHT	8J-1434
TRANSMISSION, AUTOSHIFT	396-3515

STANDARD EQUIPMENT

POWERTRAIN

Air cleaner, dual stage dry type radial seal with service indicator and automatic dust ejector
Air-to-air after cooler (ATAAC)
Belt, serpentine, automatic tensioner
Brakes, oil disc, four-wheel, hydraulic
Demand fan, hydraulic
Differential, lock/unlock, Automatic
Drain, engine oil, ecology
Electronic over-speed protection
Parking brake, multi-disc, sealed and oil cooled.
Sediment drain, fuel tank.
Transmission, 8 speed forward and 6 speed reverse, power shift, direct drive
VHP Plus (Variable Horse Power Plus)

ELECTRICAL

Alarm, back-up
Alternator, 150 ampere, sealed
Batteries, maintenance free, heavy duty, 1125 CCA
Grade Control Ready (Cab harness, software, electrical hydraulic valves, bosses and brackets)
Lights, reversing

Breaker panel, ground accessible
Electrical hydraulic valves
Electrical system, 24V
Lights, roading, roof-mounted, stop and tail, LED
Starter, electric

OPERATOR ENVIRONMENT

Air Conditioning with heater
Articulation, automatic return to center
Centershift pin indicator
Display, digital speed and gear
Doors, left and right side with wiper
Gauge, machine level
Gauges (analog) inside the cab (includes fuel, articulation, engine coolant temp, engine RPM, and hydraulic oil temp, DEF/AdBlue)
Joystick, adjustable armrests
Joystick gear selection, hydraulic power steering hydraulic controls (right/left, blade lift w/ float position, blade sideshift and tip, circle drive, centershift, front wheel lean and articulation and steering)
Lights, night time cab
Messenger operator information system
Meter, hour, digital
Mirror, inside rearview, wide angle
Power port, 12V
Radio ready, entertainment
ROPS cab, sound suppressed - 69dB(A) - ISO 6394
Seat,cloth-covered, comfort suspension
Storage area for cooler/lunchbox
Throttle control, electronic
Windows laminated glass:
-Fixed front with intermittent wiper
-Door with intermittent wipers (3)
Windows tempered:
-Left and right side wipers
-Rear with intermittent wiper
Cab storage

SAFETY AND SECURITY

Clutch, circle drive slip
Doors, 2 engine compartment, (two left hand, two right hand) locking
Doors, 2 service, left and right locking
Ground level engine shutdown
Hammer (emergency exit)
Horn, electric
Lockout, hydraulic implement (for roading and servicing)
Seat belt, retractable 76.2 (3")
Secondary steering
Tandem walkway/guards

TIRES, RIMS, AND WHEELS

A partial allowance for tires on 254mm x 609.6mm (10" x 24") multi-piece rims is included in the base machine price and weight.

FLUIDS

Antifreeze
Extended life coolant -35C/-30F

OTHER STANDARD EQUIPMENT

Accumulators -brake -dual certified
Drawbar,6 shoe w/replaceable wear strips
Fluid check, ground level
Fuel tank, 398 liters (105 gallon)
Ground level fueling
DEF/AdBlue Tank, 21 liters (5.5 gallon)
Hydraulic lines for base functions
Pump, hydrailic, high capacity
(98cc / 15 cu in)
Radiator, cleanout access (both sides with swing doors)
SOS ports - engine -hydraulic -transmission -coolant -fuel
Tool box
Debris guard