

County of Curry



Invitation to Bid No. 2019/20-05

**Lease of Motor Graders
Curry County Road Department**

Issue Date:

November 26, 2019

BID Due:

January 2, 2020

Time: 2:00 p.m. Mountain Time

**Curry County Administrative Complex
417 Gidding, Suite 100
Clovis, NM 88101
Attn: Finance/Purchasing Department**

**Bids must be submitted in a sealed
envelope that is clearly marked**

“Bid No. 2019/20-05 – Do Not Open”

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On behalf of the Board of Curry County Commissioners and pursuant to and in compliance with the NM State Procurement Code, Curry County hereby invites competitive sealed bids for the lease of four (4) new motor graders for the Curry County Road Department.

IMPORTANT:
BIDS ARE DUE BY JANUARY 2, 2020 AT 2:00 P.M.

All bids must be submitted in a sealed envelope or package and must be clearly labeled with the bidder's name and address; bid number and opening date on the front of the envelope. Failure to label bid envelope will necessitate the premature opening of the bid in order to identify the bid number.

WE LOOK FORWARD TO YOUR BID SUBMISSION.

IF THERE IS ANY PROBLEM REGARDING THE FOLLOWING BID SPECIFICATIONS OR CONDITIONS THAT WOULD PREVENT YOU FROM SUBMITTING A BID, CONTACT THE PROCUREMENT OFFICER BY EMAIL AT thall@currycounty.org IMMEDIATELY FOR CLARIFICATION OR CONSIDERATION OF AN ADDENDUM.

Bids may be mailed to: Curry County Administrative Complex
417 Gidding, Suite 100
Clovis, NM 88101
Attn: Finance/Purchasing Department

Or hand/courier-delivered to: Curry County Administrative Complex
417 Gidding, Suite 100
Clovis, NM 88101

May be signed for/left with the receptionist in the Administration Suite 100.

*Note: Delivery by hand or courier is highly recommended and encouraged to help ensure bid is received prior to deadline date and time. It is recommended delivery status be verified, if not already confirmed, prior to bid opening.

Troy Hall
Curry County Purchasing Agent
thall@currycounty.org

SPECIFIC CONDITIONS

Bids must be received by **January 2, 2020 at 2:00 p.m.** Mountain Time. Any bids received after 2:00 p.m. will be kept on file unopened and will be opened and considered only in the event that all other bids are unresponsive.

1. **Criteria for Award:** Award shall be based on the lowest responsible bid prices which meet specifications and deliverable requirements. The Board of Curry County Commissioners reserves the right to reject any or all bids, to waive any technicalities and to accept the bid(s) which in its judgment is most advantageous to the County. Multiple bids may be awarded to achieve the lowest cost to the County.
2. **Guaranteed Performance:** The bidder, if awarded a contract as a result of this bid, guarantees that services will conform to the specifications in this bid. Failure of the bidder to comply with providing a service which meets minimum specifications may result in termination of the award of that item or termination of the contract.

SPECIFICATIONS

Curry County is requesting bids to lease four (4) new Motor Graders for the Curry County Road Department. Motor Graders must have no more than 100 hours. To be a responsive bid, the Motor Graders must meet or exceed the specifications listed in this document. Each bidder must attach the specifications for each motor grader and a breakdown sheet showing that all the specification has been met or exceeded along with the quotation sheets as required by the bid.

BASIC SPECIFICATIONS

Machine must be designed and built by the manufacturer.

Machine must be joystick operation.

Base Machine Weight must not be less than 40,380 lbs. Weight must include standard machine configuration, lubricants, coolants, full fuel tank and operator of 200 lbs.

Machine height to top of the cab must not exceed 132 in.

Machine length from the front outside edge tire to end of tow hitch must not be less than 351 in.

Machine Wheel Base (distance from front axle to mid tandem) must not be less than 241 in.

The rear frame must have two box section channels with an integrated bumper as standard.

Machine must have Front Wheel Assist standard with AWD, this model

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disengages the transmission and provides hydraulic power to the front wheels only. When AWD is engaged, flywheel horsepower is automatically increased up to an additional 37 hp compared to the rear drive model.

Machine must have:

- Saddle Pin hydraulic activated
- Locks for cab doors
- Four (4) engine side shields
- A top tank radiator access door
- An engine coolant surge tank
- A hydraulic reservoir cap
- A fuel tank cap
- A tool box
- A rear hitch
- Pushblock/Counter Weights

ENGINE SPECIFICATIONS

Engine must:

- Be designed and built by the manufacturer
- Be a turbo-charged, direct injection, four stroke, 6-cylinder diesel engine.
- Be certified EPA Tier 4 Final and European Union Stage IV
- Be electronically controlled for more efficient fuel injection and fuel burn
- Achieve a rated power requirement with engine displacement not less than 9.3L (568 in³) for better performance and fuel economy.
- Increase its low idle speed to 1,000 rpm when the battery voltage is below 24.5 volts for more than 5 minutes to ensure adequate system voltage and battery reliability.

Altitude deration will not occur at altitudes less than 10,000 ft. The deration rate above 10,000 ft must be 1.5% per 1000 ft.

Peak engine power must not be achieved at an engine speed greater than 1800 rpm.

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Rated engine power must not be achieved at an engine speed greater than 2000 rpm.

Engine must have a minimum torque rise of 47% from 2000 rpm to peak torque following SAE J1349 (net power with max fan).

Engine enclosure and daily service points must be accessible from ground level and grouped on the same side of the machine.

Engine fan must automatically adjust fan speed via carriable hydraulic fan pump to meet engine cooling requirements thus reducing demand on the engine, putting more horsepower to the ground, reducing noise, improving fuel economy and reducing heat.

Engine fan must be reversible in order to blow out radiator.

Engine must allow for at least 500 hours of operation between oil changes.

Engine must be isolation/resilient mounted to minimize sound and vibration.

Engine compartment doors must be lockable without the use of external locks.

Engine must automatically lower engine torque and alert the operator if critical conditions are detected.

Engine must have an air-to-air after cooler for superior engine performance.

Engine oil cooler must be a water to oil shell and tube cooler system.

Machine must have a 12000 hour coolant interval from factory.

The cooling package air intake must have 2.8 mm perforated inlet screen.

The charged air cooler (ATAAC) must have 6 fins per inch.

Economy mode must be available directly from factory to increase net efficiency.

Economy mode must be able to be enabled and disabled by the operator through the onboard Message Display.

Economy mode must be lockable via onboard programmable password protection.

DEF tank reservoir must have a heater to thaw DEF fluid.

DEF lines should be heated to prevent freezing during extremely cold ambient conditions.

An engine coolant heater must be available to assist in cold weather starting.

Ether starting aid must be available and must automatically meter ether

injection to prevent engine damage.

POWERTRAIN/TRANSMISSION

Transmission must be:

- Designed and built by the machine manufacturer
- A direct drive, power shift, countershaft type
- Be equipped with built-in self-diagnostic capability
- No less than 8 forward speeds and 6 reverse speeds (for added safety)
- Have 5 working gears between 0-10.6 mph, for dirt applications.
- Isolated/resilient mounted to reduce sound and vibration.

A controlled throttle shifting system must be standard to smooth directional gear changes without use of the inching pedal.

Electronic Throttle Control (cruise control) must be standard and must be controlled by a push button, located on a 3-axis joystick as standard on the right joystick control for resuming and decreasing throttle set.

Electronic Throttle Control modes, set and accelerate functions must be located on the right control column for easy access.

A load compensating system for the transmission must be standard to ensure consistent shift quality in all applications.

An automatic Differential Lock/Unlock feature must be standard and must not have speed, shuttle shifting or tandem spinning restrictions for engaging/disengaging. System must be load-sensing for optimal performance.

Automatic mode must not be overridden via manual intervention for optimal performance and to prevent unintended differential engagement.

Differential Lock/Unlock must be electro-hydraulically controlled, as standard feature.

Differential Lock/Unlock must be a multi-disc design.

Final drive must be a planetary design.

The rear axle must be a bolt-on modular design offering easy access to differential components, improving serviceability and contamination control.

Machine must be equipped with an electronic inching pedal for improved modulation and machine control.

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Machine must be equipped with electronic over-speed protection to prevent the engine and transmission from over speeding, as a standard feature.

Machine must have no drive shafts that cross over the articulation hitch.

An autoshift transmission option must be available on all forward and reverse gears.

STEERING & IMPLEMENT CONTROLS

Joystick is required to operate the machine.

Joystick Steering capabilities must be ISO 5010:1992.

Machine must employ a friction pack style steering mechanism, utilizing the follow steer concept.

The left 3-axis joystick must control wheel lean with individual left and right wheel lean buttons as standard.

Primary steering must be achieved via a left-hand, multifunction, 3-axis joystick as standard, using an intuitive steering control system that automatically adjusts steering sensitivity as machine ground speed increases.

Articulation to the right or left must be achieved by a multifunction, 3-axis left joystick with the twist of such to the right or left by the left-hand, multifunction, 3-axis joystick.

An articulation return-to-center button on the left-hand, multifunction, 3-axis joystick must return the machine to a straight frame position from any articulation angle with the touch of a single button.

The right 3-axis joystick must primarily control the Drawbar, Circle and Moldboard.

Machine, Drawbar, Circle and Moldboard must be control and must be achieved via a right-hand multifunction, 3-axis, joystick, including moldboard slide and tip, drawbar center shift through a 4-way hat switch and circle turn by a left or right twist intuitively.

Blade lift cylinders must be individually controlled by the multifunction, 3-axis joysticks; lift and drop of cylinders must be achieved by the forward and back motion of the respective joystick. Forward (left joystick) lowers left lift cylinder, back (left joystick) raises the left lift cylinder, forward (right joystick) lowers the right lift cylinder and the back (right joystick) raises the right lift cylinder.

Joystick controls must be mounted to electronically adjustable pedestals, which are hard mounted to the cab floor, independent of the operator seat.

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Secondary steering must have a primary and secondary power supply in the event the primary source is lost.

Transmission direction control must be a 3-position rocker switch for selecting forward, neutral, and reverse incorporated into a single, 3-axis, multi-function, left-handed joystick control.

Transmission gear selection must be controlled by dual push buttons for up shifting and downshifting and must be incorporated into a single, 3-axis, multi-function, left-hand joystick control.

Manual Differential Lock/Unlock must be operator controlled, via a push-button, located on a single, 3-axis, multi-function, right-hand joystick control.

The machine must have two (2) redundant articulation sensors.

Two (2) redundant sensors must be standard in the steering cylinders (one in each).

Three (3) redundant sensors must be provided in the steering joystick for additional safety.

Up to five (5) additional auxiliary hydraulic functions that could include: Ripper, Front Lift group.

BRAKES

Machine must have primary and secondary service brakes.

The entire braking system must meet all requirements of ISO 3450: 1996.

Two (2) separate left and right hydraulic brake accumulators must be standard for safety.

Parking brake must be multi-disc, oil-cooled, spring-applied, hydraulically released, sealed, adjustment-free, and must be serviceable without removing the transmission.

Service brakes must be multi-disc, oil-cooled and completely sealed; they will also provide access to check and determine brake wear without removing or disassembling the brake assembly.

Service brake disc surfaces must be grooved and carry oil between discs and plates with brakes fully applied.

Services brakes must be hydraulically actuated, utilizing dual independent brake circuits.

Brakes must be continuously pressurized, filtered and oil cooled.

Machine must have individual brake pods for each rear wheel, located at each rear wheel inside the tandem box, independent of tandem chains.

Compensation components must be required at all four tandem brake pods in addition to the brake wear indicator.

Brake line protection, including tandem walkways and hydraulic brake line guarding, must be required to prevent line damage.

Service brakes must provide a minimum of 620 in² of friction material surface area at each of the four (4) tandem wheels to eliminate braking loads on the power train.

HYDRAULIC SYSTEM

A standard triple-redundant hydraulic relief system must protect machine hydraulic components.

Hydraulic implement pump must produce between 0 and 55.7 gal/min of oil flow at 1,800 RPM.

Hydraulic system must be a closed center, load sensing type with a variable displacement, axial piston-type pump.

Hydraulic system must be fully sealed, using Duo-cone and O-ring face seals to prevent leaks, contamination, and spillage.

The hydraulic tank must have a baffling system to reduce potential pump cavitation.

The maximum hydraulic system pressure must be no more than 3,500 psi.

Implement valves must be electro-hydraulic, designed and built by the machine manufacturer.

Implement pump must not be mounted under the cab floor, minimizing sound and vibration.

Implement valves must be proportional priority pressure compensating for consistent response when multi-functioning any combination of implement controls and independent of engine speed.

Implement pump must be solely dedicated to implement controls and not shared with any other components.

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Lock valves must be integrated into the main implement valve to prevent cylinder drift.

The hydraulic stand-by pressure must be no more than 885 psi at 1,800 RPM.

There must be a provision to install up to fifteen (15) modulating hydraulic valves, controlled by two (2) multifunction, 3-axis joystick controls and auxiliary controls inside the cab.

Hydraulic valves must not be mounted under the cab floor, minimizing sound and vibration.

Left and right blade lift cylinders must have independent float capability, actuated by two (2) multifunction, 3-axis joystick controls inside the cab, as a standard feature.

A sight gauge must be provided for checking hydraulic reservoir fluid.

Hydraulic oil change service interval must be no less than 6000 hours with oil sampling.

Hydraulic system must have a separate oil tank solely dedicated to the implement pump.

FRONT AXLE AND TANDEM

Front axle oscillation must be no less than 32 degrees total per side, 16 degrees up and 16 degrees down.

Front axle must be an arched design for maximum ground clearance.

Wheel spindle must be a "live" spindle design and rotate inside a sealed (with Duo-Cone seals) compartment with lightweight oil for lubrication of the bearings.

Front spindle must be heat induction hardened.

Front wheel spindle bearings must be a double-tapered design with the larger diameter bearing mounted closest to the centerline of the front tire.

Front wheel spindle maintenance intervals must be no less than 2000 hrs.

Front wheel steering angle must be no less than 50.0 degrees left or right.

Maximum front wheel lean must be no less than 18 degrees left or right.

Machine turning radius must not exceed 25 ft. 7 in. using front steering, full articulation and unlocked differential.

Distance between center of tandem wheels must be no greater than 60.0 in. for optimum clearance and mobility.

Tandem drive chain pitch must not be less than 2.0 in (50.8mm).

Tandems must be capable of oscillating 15 degrees front tandem up and 25 degrees front tandem down, with full machine articulation and having no interference between tandem wheel and machine structure.

Electronic and Mechanical steering stops located at each wheel and steering cylinder relief valves must be present to prevent steering system damage during normal operation.

Steering tie rods ends must be heat induction hardened.

Machine must provide two (2) steering cylinders for maximum steering force.

With a ripper, the machine must have a minimum ramp angle of 15.9 degrees.

TIRES AND RIMS

A 10 in (25.4cm) by 24 in (60.96) size 3-piece tire rim must be standard to provide mounting for 14.00-24 tires and 14.00R24 conventional radial tires.

OPERATORS STATION

A 42,075 BTU/h heater must have an integral pressurizer and three-speed fan along with A/C.

Cab must have an angled floor design allowing direct visibility to the moldboard.

Seat must be a cloth-covered suspension seat with 3 in. retractable seat belts, with adjustments for fore-aft position, seat height, seat back angle, thigh support, and lumbar support.

An enclosed cab with ROPS (Rollover Protective Structure) according to ISO 3471: 1986-1997 must be provided.

Cab doors must have a hold-open clasp with a ground-level release in addition to a release in the cab.

Cab must have fixed front window of laminated glass with intermittent wiper.

FOPS (Falling Object Protective Structure) must be provided according to ISO 3449.

Machine must have no less than 17 adjustable vents, positioned to direct air

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to front windows and operator.

Radio ready arrangement will include a 24V to 12V converter, two speakers, antenna and wiring.

An instrument cluster must be provided that includes a speedometer, tachometer, coolant temperature, fuel and articulation angle gauge.

Operator cab fresh air-filter must be accessible for clean out and replacement from outside of the cab at ground level.

A real-time information system must monitor all system data and alert the operator of any faults through a digital text display. This performance and diagnostic information system must be programmable for multiple languages.

Left and right side cab doors must be provided.

Wipers must be provided on front, side and rear windows.

Digital machine hour meter must be provided.

An electronic message system must provide real-time machine performance and diagnostic data.

The forward visibility must be continuous and unobstructed glass from roofline to floor providing visibility of the blade, heel and toe, back of the cutting edge, and front tires.

Access to cab must be three (3) anti-skid steps.

Cab must have cup holder, personal cooler holder/storage compartment for operator's manual, with a molded floor mat.

Window washer fluid bottle refill spout must be located external of the cab.

DEF gauge must be visible to the operator at all times.

An auxiliary control pod, with implement float control capability, must be available.

Auxiliary controls must be available for control of attachment implements and/or work tools and must be programmable via computer software.

Auxiliary controls must be a finger-tip control type and located beside the right-hand joystick control.

An auxiliary, 2-axis joystick must be available for control of a snow wing.

An Integrated Cross Slope System must be available from the factory in order to ensure proper calibration and installation for improved accuracy and performance.

A rear vision camera must be provided with capability to view at all times without interfering with the gauge and diagnostic display.

A rear sun shade.

A rear defroster fan.

An air suspension seat.

A heated or both heated/ventilated seat.

CIRCLE & MOLDBOARD

Drawbar, circle, and moldboard must be controlled with a maximum of two (2) multifunction, 3-axis joysticks, as standard.

Drawbar wear strips must be replaceable drop-in inserts made from nylon composite material, replaceable and adjustable from the top of the drawbar plate via removable cover plates.

The drawbar must feature welded protective wear plates to prevent lift group contact with the primary drawbar structure.

The moldboard must be at least 14ft long, 24in high and no less than 7/8in thick.

Moldboard must have a bank slope angle capability of at least 90 degrees to both sides.

Moldboard must have no less than 16.3 in arc radius (blade curvature) for optimum productivity.

Moldboard must have a hydraulic tip control through a range of 40 degrees fore and 5 degrees aft.

Moldboard wear strips must be adjusted with lock screws, providing shim-less adjustment capability both vertical & horizontal.

The moldboard must be pre-stressed during manufacturing for superior strength and durability.

Moldboard side rails must be constructed of a heat-treated, high carbon steel and have replaceable bronze alloy wear inserts on top and bottom.

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Circle must be a single piece, rolled-ring forging with raised wear surfaces on the top and bottom.

Circle must be rotated by a hydraulically driven motor (pinion gear) with a minimum circle pinion torque capability of 44253 ft-lb.

Circle teeth contact surfaces must be induction-hardened on the front 240 degrees of the circle.

Blade lift and center shift cylinders must have replaceable bronze-alloy wear inserts in the ball sockets with removable shims to insure the ability to remove free play throughout the useful wear insert life.

The lift cylinder casting must be welded to the front frame for added strength and structural integrity.

The standard mounting hardware for cutting edges and end bits must be $\frac{3}{4}$ in.

All seven (7) Link Bar positions have replaceable bushings.

Linkbar pin must be separate from pin pulling mechanism for easier service and lower O&O costs.

The draft frame pivot connection must have a single ball stud with grease zerk. Ball stud must be bolt-on, shimable and adjustable to allow for quick and easy field serviceable design.

Three (3) sideshift anchor positions must be provided for extended reach capacity as standard.

Pinion gear must be separate from the Pinion Shaft to allow for a quick and easy serviceable design.

Circle outside diameter must be no less than 60.2 in.

There will be no more than six (6) replaceable wear inserts between the circle and drawbar providing at least 163 in² of wear surface area.

Blade lift accumulators must be provided, protecting cutting edge and other components from damage from shock loads as an option.

ELECTRICAL

Machine must have a 145 amp-hour, 1125 CCA heavy-duty battery.

Machine must have a minimum 115-amp alternator at 24 volts provided which is brushless for increased life and durability.

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Six (6) 3 x 3 in. LED mounted cab lights must be provided.

Starting system must be a 24V direct electric type.

LED white reversing lamps and LED stop lamps must be provided.

Electrical system must have a master disconnect switch with a removable key (in addition to the ignition switch), accessible from the ground level.

All core machine systems must be electronically connected, optimizing performance and preventing machine damage.

All wiring must be arranged and located so as to facilitate regular visual inspections, not to be in contact with hot surfaces and not routed with other service lines (e.g. fuel, oil, etc.).

All harnesses/cabling are secured with clipping clamps providing a gap between the conduit/harness and the mounting surface preventing material build-up.

Power must remain available upon key off to purge DEF system lines and protect components.

Lighting arrangement of:

- Two (2) (3 X 3 in) LED mounted on the right-hand side of the car roof bar to illuminate a snow wing
- Two (2) (3 X 3 in) LED heel work lamps mounted underneath the cab
- Two (2) (3 X 3 in) LED mid-frame toe lamps must be available to illuminate the moldboard and surrounding area
- Two (2) (3 X 3 in) LED ripper work lamps
- High and low bar LED headlights with front turn signals
- An amber LED high-speed strobe beacon
- 24V to 12V converter with 25-amp capacity

SERVICEABILITY

Machine must have a lockable swing-out cooling fan housing featuring a latch-style mechanism (must not be of a bolted design), allowing easy access to cores. Ability to open/close must be ground level accessible, eliminating need to climb on the machine.

The dip stick for checking transmission fluid must be at ground level.

Hydraulic tank site gauge must be readable from the ground.

Hydraulic tank filter must be a cartridge style filter providing a separate filter element, housing, and drain valve for quick and clean servicing.

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Ability for ground level fueling must be provided.

Sampling ports must be accessible from the tandem level and provide access to the engine, hydraulic, coolant and fuel ports.

A two-way communication tool must give service technicians easy access to stored diagnostic data and allow configuration of machine parameters.

Machine must provide three (3) points of contact on all areas of the machine, for mounting and dismounting.

The articulation joint must have a mechanical locking device to prevent frame articulation while servicing or transporting the machine.

The left and right side tandem case assemblies must be covered with punched steel plate to provide an adequate platform for standing and walking.

Engine oil filter must be a 500-hour, vertical spin-on.

Engine primary and final fuel filters must have a 500-hour service replacement interval.

Engine must have a primary fuel filter with a fuel water separator and electronic sensor, quick release dual stage filter and primer pump.

The centralized lube bank must be at the articulation joint to give access to difficult zerks.

Transmission filter restriction indicator must be displayed in the cab.

Lock out tag out capabilities must be provided as standard to increase the safety levels during down time. This ensures that an energy isolating device and the machine which are being work on cannot be operated.

The DEF tank fill must be located on the same side of the fuel tank fill, and be easily accessible from the ground level.

A guard to protect the machine's transmission from debris.

MINIMUM SERVICE FILL CAPACITIES

The standard fuel tank capacity must not be less than 100 gallons.

The standard cooling system capacity must not be less than 15.0 gallons.

The standard hydraulic tank capacity must not be less than 16.9 gallons.

The standard engine oil capacity must not be less than 7.9 gallons.

The standard tandem housing capacity must not be less than 20 gallons each. The standard front wheel spindle bearing housing capacity must not be less than 0.13 gallons.

The standard circle drive housing capacity must not be less than 1.8 gallons.

The standard DEF tank capacity must not be less than 5.8 gallons.

SAFETY AND ENVIRONMENTAL

A circle drive slip clutch must be provided to reduce horizontal moldboard impact damage.

Black glare-reducing paint must be used on the front frame and engine enclosure to decrease glare from other equipment lights and reflection from the sun and snow.

An operator not present monitoring system will lockout implements, must not allow gear shift out of neutral and lock the parking brake if the system detects operator not present for increased safety.

Hydraulic implement lockout must be achieved by actuating a single electrical switch within the operator station.

An external emergency kill switch must be available for ground level engine shut down.

A secondary, electric steering pump with redundant wiring must be provided as a backup to the primary implemented hydraulic pump.

The machine must have laminated glass for the front windows and doors to protect the operator from shattered glass.

The machine must provide dual exits allowing for emergency egress, should one side become obstructed.

The electrical system must have a master disconnect switch with a removable key and lock for added safety (in addition to the ignition switch).

Machine must have a steering software system that automatically reduces steering sensitivity as the ground speed increases.

The machine must have back-up lights and sounding alarm when reverse gears are selected.

Environmentally friendly drain valves must be provided for the hydraulic oil,

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engine oil, engine coolant, transmission, differential and fuel tank.

The cooling fan must have both a shroud and rear grill for protection during service.

The machine must allow cab interior and exterior lights to remain on separate from ignition switch for safe exit of the machine during night operation.

Engine and transmission must be rubber isolation mounted to reduce noise and vibration.

A guard to protect the machine's transmission from debris.

Rear vision camera with integrated display and wiring.

Blade lift accumulators to reduce vertical impact damage.

Drop down rear lights (stop/turn signal lights) must be available to span the profile of the machine for increased safety.

Outside mounted mirrors heated.

An engine compartment light.

A seatbelt indicator sensor and light.

Rear ripper must have five (5) ripper shank holders and nine (9) scarifier shank holders.

Rear fenders must meet ISO-3457 requirements and must not interfere with the ability to fully open any cab/engine enclosure or service access doors.

All core machine systems must be electronically connected optimizing performance and preventing machine damage.

Machine must have no drive shafts that cross over the articulation hitch.

An integrated communication tools providing flow of vital machine data and location must be available. This system must give automatic updates on machine parameter such as machine hours, machine condition, location, fault codes and alarms.

Machine must have an engine coolant circulating heater available.

Machine must have a transmission solenoid valve guard available.

A front lift group must be available.

A rear ripper/scarifier must be provided.

Pushblock/Counter Weights must be provided.

ALL WHEEL DRIVE SYSTEM

The system enables a “powered turn” by adjusting the outside front tire speed up to 50% faster than the inside tire.

Standard with all-wheel drive, this model disengages the transmission and provides hydraulic power to the front wheels only.

The all-wheel drive arrangement utilizes dedicated left and right pumps for precise hydraulic control.

When all-wheel drive is engaged, flywheel horsepower is automatically increased up to an additional 27kW (37 hp).

The all-wheel drive system must provide a hydrostatic front wheel drive only mode, neutralizing the transmission for precise low-speed performance. The ground speed must be infinitely variable between 0 and 5 mph (8 km/h).

PARTS

Bidder must provide a complete, additional set of replacement filters to include engine crank-case, hydraulic, transmission, fuel, air induction, cab, and coolant at the time of delivery. Provide one (1) laminated filter replacement list and one (1) fluid/oil specification chart per unit. All parts must be shipped free, with two-day delivery (with the exception of special orders) to any establishment in Clovis, NM, for pickup by Curry County personnel.

LEASING OPTIONS

Minimum hours of lease will be 1,200 per year. All terms and conditions of the lease must be clearly set forth and disclosed on the bid documents, including the total price of the motor graders, the interest rate of the lease, buyback option, the number of hours provided by the lease. The term of the lease must be for five (5) consecutive years.

WARRANTY AND REPAIRS

Bidder must provide a minimum warranty of five (5) years or five thousand (5000) hours full (bumper to bumper, including all hoses) on parts and labor governmental premier warranty, with no deductible. There will be no travel time charges for repairs if unit is at Curry County Road Barn at 1006 CR6, NM. All repairs must be completed within a week after written notification (which includes e-mail), due to extreme situations, if not able to complete

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repairs the bidder must supply a service loaner while the unit is still under warranty. If field service is needed, bidder must supply field service options within 48 hours of notification. A warranty less than set above, must be listed as an exception to the bid and may not be considered.

TRAINING AND MANUALS

Bidder must provide a minimum of four (4) hours training on the safety, technical, maintenance, service and proper operation procedures by factory trained personnel. Training must be completed within thirty (30) days from date of delivery. Bidder must provide one (1) technical manual (CD ROM if available), one (1) parts book (CD ROM if available) and one (1) operators manual with each unit delivered.

DELIVERY

Dealer preparation, conditioning and full service is required prior to delivery. Fuel tank and fluid reservoirs must be filled to full capacity upon delivery. Deliver F.O.B. to Curry County Road Barn at 1006 CR6, NM. The Motor Graders must be delivered to the Curry County Road Barn within six weeks of notification of award to the successful bidder.

PRE-BID CONFERENCE

A pre-bid conference is not scheduled. Should you have questions about the bid, please contact Troy Hall at thall@currycounty.org to set up an appointment.

QUOTATION SHEETS

Bidders must use the attached Quotation Sheet(s) to submit their bids. The Quotation Sheet(s) must be signed.

VARIATIONS

Any variations from, or exceptions to, the conditions and specifications of this bid must be listed on a separate sheet labeled "Exception(s) to Bid Conditions", and attached to the bid.

NEW MEXICO BIDDER'S PREFERENCE

Pursuant to Sections 13-1-21 and section 13-1-22 NMSA 1978 a resident business claiming the 5% preference must be certified prior to the bid opening. The number must appear on the Quotation Sheet(s) in the space provided in order to receive the preference unless a Resident Veterans Preference Certificate is also submitted in which case the Resident Veterans Preference will be awarded instead. Bidder's bid must contain a copy of the Resident Business Preference Certificate issued by the New Mexico Taxation and Revenue Department in order to qualify for the preference.

A Resident Veteran business claiming the 10% preference must be certified prior

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to the bid opening. The number must appear on the Quotation Sheet(s) in the space provided in order to receive the preference. Bidder's bid must contain a copy of the Resident Veterans Preference Certificate issued by the New Mexico Taxation and Revenue Department in order to qualify for the preference.

BID OPENING

Competitive sealed bids will be accepted until January 2, 2020 at 2:00 p.m. at the Curry County Administrative Complex, 417 Gidding, Clovis, New Mexico. Bids should be submitted in a sealed envelope clearly marked: "Bid No. 2019/20-05 - Do Not Open". At that time and place, the bids will be publicly opened.

RESERVATIONS

The Curry County Commission reserves the right to reject any or all bids, to waive any technicalities, to accept in whole or in part such bid or bids as may be deemed in the best interest of the County.

BRAND NAMES OR EQUAL

Where a product or brand name is indicated in the specifications, it shall mean "minimum acceptable level or minimum quality required" by the County unless the specifications state that no substitutions or equivalents are allowed. If the bidder is offering, as an equal or equivalent, an item other than the one specified then the manufacturer's name and model number of that item must be specified in the bid and sufficient specification and descriptive data and literature provided to permit a thorough evaluation. Failure to provide appropriate information may result in disqualification of the bidder

Bidders must state the brand name and model being bid and provide proof that the item bid is equal or equivalent to the specifications. Unless the bidder clearly indicates in their bid that they are offering an "equal" product, the bid shall be considered as offering a bid in compliance to the specifications attached.

AWARD

The award may be made to the bidder providing a responsive, responsible bid which results in the lowest overall cost to the County. The award will be made by the Curry County Commission at their regularly scheduled meeting. Bid prices must be good for ninety (90) days subsequent to date of opening.

QUESTIONS

Questions regarding the specifications stated within the bid or the bidding process should be directed to Troy Hall, Purchasing Agent at thall@currycounty.org.

GENERAL CONDITIONS

1. Bid Forms: All pages included in this Invitation to Bid that are marked "**BID FORM**" must be completed and returned as part of the bid document. All bids

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must be completed and securely sealed prior to submitting to the purchasing office. No un-sealed, faxed or e-mailed bids are acceptable.

2. Bids Binding Ninety (90) days: Unless otherwise specified all formal bids submitted must be binding for ninety (90) calendar days following bid opening date, unless the bidder(s), upon request of the County Manager, agrees to an extension.
3. Payment Terms: Monthly lease payments must be made net thirty (30) days from invoice date after receipt of all motor graders, unless otherwise specified on bid form or as otherwise agreed by both parties. All invoices must be submitted directly to the Curry County Finance Department at 417 Gidding, Suite 100, Clovis, NM 88101. The successful bidder must have submitted a completed W9 form on file with the County prior to any payments being issued.

For all invoices paid by Credit Card, standard payments are usually made within 3-5 business days. All services made by credit card require a receipt. Invoices must not be submitted separately if payment is made with credit card. Curry County must not pay any fees when utilizing a credit card for payment.

4. Equivalency: The County hereby reserves the right to approve as equivalent, or to reject as not being equivalent, any item the bidder proposes to furnish which contains variations from specification requirements but may comply substantially therewith. Such decisions are strictly at the discretion of the County.
5. If there is any clarification, problem, ambiguity or question regarding this bid, you must contact the Purchasing Agent or designee prior to the bid opening. Clarifications and addenda will be considered prior to the bid opening. Answers provided regarding the bid specifications or bid package MUST be answered by the Purchasing Agent or designee. Questions answered by any other person or County official shall be considered completely non-applicable to the legal provisions of this bid, except as specifically authorized by the Purchasing Agent.
6. Restrictive Specifications: It is the responsibility of the prospective bidder to review the entire Invitation to Bid (ITB) packet and to notify the purchasing department if the specifications are formulated in a manner which would unnecessarily restrict competition. Any such protest or question regarding the specifications or bidding procedures must be received in the purchasing department not less than seventy-two (72) hours prior to the time set for bid opening.
7. An in-state resident or resident veteran preference will be given to all resident New Mexico businesses that have been issued certification by the State of New Mexico. To qualify for the preference, the bidder must list a valid resident business certificate number and shall submit a copy of the certificate with the

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- bid. If you have a question regarding a Resident Business (or Resident Veteran Business) Certification, or wish to be given a number, you may contact the New Mexico State Department of Taxation and Revenue at 505-827-0951. This number is valuable to have as it allows the county to consider your bid at five to ten percent less than the amount submitted, and could mean a difference in award. Please note that this number is NOT your State CRS Number (i.e. 01-503047-004). In addition, **any preference numbers issued by the NM State Purchasing Office were valid only through December 31, 2011 and must be re-issued through the Taxation and Revenue Department.**
8. Bidders shall list on a separate sheet of paper any variations from or exceptions to the conditions and specifications of this bid. **This sheet shall be labeled "Exception(s) to Bid Conditions" and shall be included with bid.**
 9. Non-collusion: Bidders, by submitting a signed bid, certify that the accompanying bid or proposal is not the result of, or affected by, any unlawful act of collusion with any other person or company engaged in the same line of business or commerce, or any other fraudulent act punishable under New Mexico or United States law.
 10. Non-discrimination Statement: Curry County in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award. Please refer to complete Curry County Title VI Plan, specifically Appendices A and E at <http://www.currycounty.org/dr/miscellaneous>.
 11. Qualifications of Bidders: The County Purchasing Officer may make such investigations as he/she deems necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish to the County all such information and data for this purpose as the County may request. The County reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the County that such bidder is properly qualified to carry out the obligations of the contract and to complete the work contemplated therein.
 12. The State of New Mexico's Procurement Code, Section 13-1-28 through Section 13-1-199 NMSA 1978, imposes civil and criminal penalties for its violations. In addition, the New Mexico Criminal Statutes impose felony penalties for illegal bribes, gratuities and kickbacks.
 13. Curry County reserves the right to reject any bid from a bidder who previously failed to perform properly, or complete on time, contracts of similar nature, or

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to reject the bid of a bidder who is not in a position to perform such a contract satisfactorily. Such is at the discretion of the County.

14. The successful bidder agrees to protect, defend and save the County, its elected and appointed officials, agents, and employees, while acting within the scope of their duties as such, harmless from and against all claims, demands, causes of action of any kind or character, including the cost of defense thereof, arising in favor of the contractor's employees or third parties on account of bodily or personal injuries, death, or damage to property arising out of services performed or omissions of services or in any way resulting from the acts or omissions of the contractor and/or its agents, employees, representatives, assigns, subcontractors, except the sole negligence of the County under this agreement.
15. If a bidder to whom a bid is awarded refuses to accept the award or, fails to deliver in accordance with the contract terms and conditions, the County may, in its discretion, suspend the bidder/contractor for a period of time from entering into any contracts with Curry County.
16. This solicitation is governed by the laws of the State of New Mexico. By signing and submitting a bid, the parties agree that any litigation concerning this bid, request for proposal, limited solicitation, or subsequent contract or purchase order, must be brought in the Ninth Judicial District in and for Curry County, State of New Mexico, and each party shall pay its own costs and attorney fees.
17. It is the responsibility of the bidder to ensure that any addenda issued related to this Invitation to Bid have been received prior to submitting a bid. The County guarantees that any addenda issued will be distributed and available to every party on the Distribution List for this solicitation. The County will not accept responsibility for addenda not being obtained, and will not guarantee that addenda will be forwarded or available if the original packet was not obtained as directed.

**BID FORM 1
 QUOTATION SHEET**

Motor Graders	Blade 1	Blade 2	Blade 3	Blade 4
Make and Model				
Lease Price Per Grader				
Monthly Lease Payment				
Interest Rate of Lease				
Allowable Lease Hours (Minimum 1,200 per year)				
Buy Back Terms of the Associated Lease				
Delivery Date FOB Curry County				

Additional Comments

Amount on Quotation Sheet must include Delivery Costs and Required Warranty as outlined on the “Warranty and Repairs” paragraph on page 19 of this Invitation to Bid.

BID FORM 1 (Continued)

QUOTATION SHEET

Please attach the specifications for each motor grader and a breakdown sheet showing that all the specifications have been met or exceeded along with the quotation sheets.

By signing this form, bidder agrees that the Motor Grader(s) meet or exceed the specifications listed in this Invitation to Bid.

Firm submitting bid: _____

Address: _____

Telephone: _____

Email: _____

Signature: _____

Printed Name: _____

Title: _____

Date: _____

BID FORM 2
CAMPAIGN CONTRIBUTION DISCLOSURE FORM

Pursuant to the Procurement Code, Sections 13-1-28, et seq., NMSA 1978 and NMSA 1978, § 13-1-191.1 (2006), as amended by Laws of 2007, Chapter 234, any prospective contractor seeking to enter into a contract with any state agency or local public body **for professional services, a design and build project delivery system, or the design and installation of measures the primary purpose of which is to conserve natural resources** must file this form with that state agency or local public body. This form must be filed even if the contract qualifies as a small purchase or a sole source contract. The prospective contractor must disclose whether they, a family member or a representative of the prospective contractor has made a campaign contribution to an applicable public official of the state or a local public body during the two years prior to the date on which the contractor submits a proposal or, in the case of a sole source or small purchase contract, the two years prior to the date the contractor signs the contract, if the aggregate total of contributions given by the prospective contractor, a family member or a representative of the prospective contractor to the public official exceeds two hundred and fifty dollars (\$250) over the two year period.

Furthermore, the state agency or local public body may cancel a solicitation or proposed award for a proposed contract pursuant to Section 13-1-181 NMSA 1978 or a contract that is executed may be ratified or terminated pursuant to Section 13-1-182 NMSA 1978 of the Procurement Code if: 1) a prospective contractor, a family member of the prospective contractor, or a representative of the prospective contractor gives a campaign contribution or other thing of value to an applicable public official or the applicable public official's employees during the pendency of the procurement process or 2) a prospective contractor fails to submit a fully completed disclosure statement pursuant to the law.

The state agency or local public body that procures the services or items of tangible personal property shall indicate on the form the name or names of every applicable public official, if any, for which disclosure is required by a prospective contractor.

THIS FORM MUST BE INCLUDED IN THE REQUEST FOR PROPOSALS AND MUST BE FILED BY ANY PROSPECTIVE CONTRACTOR WHETHER OR NOT THEY, THEIR FAMILY MEMBER, OR THEIR REPRESENTATIVE HAS MADE ANY CONTRIBUTIONS SUBJECT TO DISCLOSURE.

The following definitions apply:

“Applicable public official” means a person elected to an office or a person appointed to complete a term of an elected office, who has the authority to award or influence the award of the contract for which the prospective contractor is submitting a competitive sealed proposal or who has the authority to negotiate a sole source or small purchase contract that may be awarded without submission of a sealed competitive proposal.

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“Campaign Contribution” means a gift, subscription, loan, advance or deposit of money or other thing of value, including the estimated value of an in-kind contribution, that is made to or received by an applicable public official or any person authorized to raise, collect or expend contributions on that official’s behalf for the purpose of electing the official to statewide or local office. “Campaign Contribution” includes the payment of a debt incurred in an election campaign, but does not include the value of services provided without compensation or unreimbursed travel or other personal expenses of individuals who volunteer a portion or all of their time on behalf of a candidate or political committee, nor does it include the administrative or solicitation expenses of a political committee that are paid by an organization that sponsors the committee.

“Family member” means spouse, father, mother, child, father-in-law, mother-in-law, daughter-in-law or son-in-law of (a) a prospective contractor, if the prospective contractor is a natural person; or (b) an owner of a prospective contractor.

“Pendency of the procurement process” means the time period commencing with the public notice of the request for proposals and ending with the award of the contract or the cancellation of the request for proposals.

“Prospective contractor” means a person or business that is subject to the competitive sealed proposal process set forth in the Procurement Code or is not required to submit a competitive sealed proposal because that person or business qualifies for a sole source or a small purchase contract.

“Representative of a prospective contractor” means an officer or director of a corporation, a member or manager of a limited liability corporation, a partner of a partnership or a trustee of a trust of the prospective contractor.

Name(s) of Applicable Public Official(s) if any: Ben L. McDaniel, Chet Spear, Robert Thornton, Seth Martin, Robert Sandoval, Anastasia Hogland, Candace Morrison, Debbie Spriggs, Wesley Waller, Mark Lansford

DISCLOSURE OF CONTRIBUTIONS BY PROSPECTIVE CONTRACTOR:

Contribution Made By: _____

Relation to Prospective Contractor: _____

Date Contribution(s) Made: _____

Amount(s) of Contribution(s) _____

Nature of Contribution(s) _____

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Purpose of Contribution(s) _____

(Attach extra pages if necessary)

Signature

Date

Title (position)

--OR--

NO CONTRIBUTIONS IN THE AGGREGATE TOTAL OVER TWO HUNDRED FIFTY DOLLARS (\$250) WERE MADE to an applicable public official by me, a family member or representative.

Signature

Date

Title (Position)

**BID FORM #3
RESIDENT/VETERANS PREFERENCE CERTIFICATION FORM**

_____ (NAME OF CONTRACTOR) hereby certifies the following in regard to application of the resident veterans' preference to this procurement:

Please check one box only

Resident Veterans:

I declare under penalty of perjury that my business prior year revenue starting January 1 ending December 31 is less than \$3M allowing me the 10% preference discount on this bid or proposal. I understand that knowingly giving false or misleading information about this fact constitutes a crime

Resident Businesses:

I declare under penalty of perjury that my business is a New Mexico resident business allowing me the 5% preference discount on this bid or proposal. I understand that knowingly giving false or misleading information about this fact constitutes a crime.

"I agree to submit a report, or reports, to the State Purchasing Division of the General Services Department declaring under penalty of perjury that during the last calendar year starting January 1 and ending on December 31, the following to be true and accurate:

"In conjunction with this procurement and the requirements of this business' application for a Resident Veteran Business Preference/Resident Veteran Contractor Preference under Sections 13-1-21 or 13-1-22 NMSA 1978, when awarded a contract which was on the basis of having such veterans preference, I agree to report to the State's Division of the General Services Department the awarded amount involved. I will indicate in the report the awarded amount as a purchase from a public body or as a public works contract from a public body as the case may be.

"I understand that knowingly giving false or misleading information on this report constitutes a crime."

I declare under penalty of perjury that this statement is true to the best of my knowledge. I understand that giving false or misleading statements about material fact regarding this matter constitutes a crime.

Resident Business/Veteran Business Certificate Number: _____

The representations made in checking the boxes constitutes a material representation by the business that is subject to protect and may result in denial of an award or un-award of the procurement involved if the statements are proven to be incorrect.

A valid New Mexico Resident Business or New Mexico Veteran's Resident Business Certificate number must be provided in order to receive preference.

I do not claim New Mexico Resident Business or New Mexico Veteran's Resident Business preference on this bid.

(Signature of Business Representative)* (Date)

*Must be an authorized signatory for the Business.