

Fremont County Solid Waste Disposal District

Bid Specifications for: Motor Grader

The Fremont County Solid Waste Disposal District (District) is now seeking sealed bids for a new, or lightly used, motor grader. Listed below are the minimum specifications that shall be met for consideration. If a specification cannot be met, the proposing party shall provide in an attached narrative section explaining why the specification cannot be met, include a proposed alternative, and any cost differences subject to the alternatives (if more than one alternative is proposed).

The deadline for submitting sealed bids is **December 4, 2025, at 11:00 a.m.** Sealed bids must be received, accompanied by bid security in the amount of 5% of the total bid price in the form of a cashier's check, bid bond, or irrevocable letter of credit, at the Fremont County Solid Waste Disposal District Office by the due date and time. Bids received after the deadline will not be accepted. No emailed bids will be considered (as they do not meet the sealed bid requirements). Sealed bids will be opened publicly at **11:05 a.m. on December 4, 2025.** Bid award is anticipated to take place **December 15, 2025,** at the scheduled Board of Director's meeting.

Submit bids to:

Fremont County Solid Waste Disposal District
Attn: Motor Grader Bid
52 Beebe Road
Lander, WY 82520

Bids shall be valid for a period of 30-days after opening. The District reserves the right to reject any or all bids, including without limitation, non-conforming, non-responsive, unbalanced, or conditional bids. The District further reserves the right to reject any bid whom it finds not responsible, or if believed to not be in the best interest of the District.

The Fremont County Solid Waste Disposal District prohibits discrimination against its customers, employees, and applicants for employment on the bases of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, family or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or activities.)

Delivery: The equipment shall be constructed, delivered, and fully functional by the date provided in the bid. If this timeline is not met, the supplier will be required to compensate the District \$300 per calendar day beyond the delivery date until the equipment is delivered and fully functional.

Bid Price: The bid price shall include all freight, taxes, and other costs associated with the construction and delivery of the equipment to the Fremont County Solid Waste Disposal District / 52 Beebe Road / Lander, Wyoming 82520.

Please direct all questions to Andrew Frey, the Operations Manager at afrey.fcswwd@wyoming.com.

Fremont County Solid Waste Disposal District - New or Used Motor Grader Specifications
ADDITIONAL BID SPECIFICATIONS

BASIC SPECIFICATIONS

- Y___ N___ Any and all exceptions must be noted in writing on a separate form with an explanation of the exception.
- Y___ N___ Machine shall be designed and built by the manufacturer.
- Y___ N___ If bidding a used machine, the unit shall have less than 2,000 hours, model year 2022 or newer, and meet all bid specifications.
- Y___ N___ Bidding supplier must have a fully operational, parts stocking dealership within 120 Miles of Riverton, WY.
- Y___ N___ Selling dealer to provide a factory certified operator trainer to District at time of delivery and as-requested throughout the warranty period for safety / refresher training of the machine at no cost to District.
- Y___ N___ Rear ripper shall include 5 ripper shanks.
- Y___ N___ Rear ripper shall have a working penetration of maximum 17.1 in (410 mm) and a penetration force of at least 20,812 lb (9440 kg).
- Y___ N___ Typically equipped operating weight will be no less than 30,000 lbs. Weight shall include standard machine configuration, cab, ripper, pushblock, tires, lubricants, coolants, full fuel tank, and operator.
- Y___ N___ Machine height to top of the standard cab shall not exceed 11 feet.
- Y___ N___ Machine length from the front outside edge tire to rear of machine shall not be more than 30 feet.
- Y___ N___ Machine shall have vandal protection standard including locks for cab doors, engine side shields (4), top tank radiator access door, engine coolant surge tank, hydraulic reservoir cap, fuel tank cap, and tool box.
- Y___ N___ Machine shall be equipped with an externally mounted tool box.

ENGINE

- Y___ N___ Engine shall be designed and built by the manufacturer.
- Y___ N___ Engine shall be a turbo-charged, direct injection, four stroke, 4-cylinder diesel engine.
- Y___ N___ Engine shall be certified EPA Tier 4 Final and European Union Stage 5.
- Y___ N___ Engine shall be electronically controlled for more efficient fuel injection and fuel burn.
- Y___ N___ Engine shall develop as standard a rated net flywheel power of at least 154 HP (115 kW) in 1st gear, 154 HP (115 kW) in 2nd gear, 163 HP (121 kW) in 3rd gear, 163 HP (121 kW) in 4th gear, 171 HP (128 kW) in 5th gear, and 171 HP (128 kW) in 6th gear.
- Y___ N___ Engine will increase its low idle speed to 1,200 rpm when the battery voltage is below 24.5 volts for more than 5 minutes to ensure adequate system voltage and battery reliability.
- Y___ N___ Peak engine power shall not be achieved at an engine speed greater than 2200 rpm.
- Y___ N___ Rated engine power 201 hp (150 kW) shall not be achieved at an engine speed greater than 2200 rpm.
- Y___ N___ Engine will have an minimum torque rise of 21% from 1400 rpm to peak torque following SAE J1349 (net power with max fan).
- Y___ N___ Engine enclosure and daily service points shall be accessible from ground level and grouped on the left side of the machine.
- Y___ N___ Engine fan shall automatically adjust fan speed via temperature sensors to meet engine and hydraulic cooling requirements thus reducing demand on the engine, putting more horsepower to the ground, reducing noise, improving fuel economy, and reducing heat.
- Y___ N___ Engine shall allow for at least 1,000 hours of operation between oil changes (with SOS sampling).
- Y___ N___ Engine shall be isolation/resilient mounted to minimize sound and vibration.

- Y___ N___ Engine compartment doors shall be lockable without the use of external locks.
- Y___ N___ Engine shall automatically lower engine torque and alert the operator if critical conditions are detected.
- Y___ N___ Engine shall have an air-to-air after cooler for improved engine performance.
- Y___ N___ Engine oil cooler shall be a water to oil shell and tube cooler system.
- Y___ N___ Machine shall have a 12,000 hour coolant interval from factory.
- Y___ N___ The charged air cooler (ATAAC) shall have 9.5 fins per inch.
- Y___ N___ Economy mode (Eco mode) shall be available directly from factory to increase net efficiency.
- Y___ N___ Economy mode (Eco mode) shall be able to be enabled and disabled by the operator through a switch on the console.
- Y___ N___ DEF tank reservoir shall have a heater to thaw DEF fluid.
- Y___ N___ DEF lines should be heated to prevent freezing during extremely cold ambient conditions.
- Y___ N___ An engine coolant heater shall be provided to assist in cold weather starting.
- Y___ N___ Ether starting aid shall be provided and must automatically meter ether injection to prevent engine damage.
- Y___ N___ Machine shall be equipped with a reversing fan.

POWERTRAIN / TRANSMISSION

- Y___ N___ Transmission shall be a countershaft, torque converter powershift type.
- Y___ N___ Transmission shall be equipped with built-in self-diagnostic capability.
- Y___ N___ Transmission shall have no more than 6 forward speeds and 3 reverse speeds.
- Y___ N___ Transmission shall be isolated/resilient mounted to reduce sound and vibration.
- Y___ N___ Transmission shall be controlled with "cane style" shifting lever on right side of operator.
- Y___ N___ A controlled throttle shifting system shall be standard to smooth directional gear changes.
- Y___ N___ Electronic Throttle Control (cruise control) shall be standard and shall be controlled by switch, located right side shifting console as standard with switch to control resuming and decreasing throttle set.
- Y___ N___ Electronic Throttle Control modes, set and accelerate functions, shall be located on the right side shifting console for easy access.
- Y___ N___ No spin rear differential shall be standard and not require operator intervention.
- Y___ N___ Final drive shall be a planetary design.
- Y___ N___ The total surface area of all the transmission clutch packs shall not be less than 2,000 in².
- Y___ N___ Machine shall be equipped with electronic over-speed protection to prevent the engine and transmission from over speeding, as a standard feature.

STEERING AND IMPLEMENT CONTROLS

- Y___ N___ Steering wheel is required to operate machine.
- Y___ N___ Operation of wheel lean, articulation, drawbar, circle and moldboard, as well as optional auxiliary hydraulics will be low effort short throw mechanical controls.
- Y___ N___ Primary left side control levers will include: 1) left lift cylinder lift, lower and float control, 2) blade side shift (left and right), 3) blade pitch, and 4) circle rotate.
- Y___ N___ Primary right side control levers will include: 1) right lift cylinder lift, lower and float control, 2) wheel lean (left and right), 3) machine articulation, and 4) drawbar, circle and moldboard (DCM) center shift.

BRAKES

- Y___ N___ Machine shall have primary and secondary service brakes.
- Y___ N___ Entire braking system shall meet all requirements of ISO 3450:1996.
- Y___ N___ Two separate left and right hydraulic brake accumulators shall be standard for safety.
- Y___ N___ Parking brake shall be serviceable without removing the transmission.

- Y___ N___ Service brakes shall 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.
- Y___ N___ Service brake disc surfaces shall be grooved and carry oil between discs and plates with brakes fully applied.
- Y___ N___ Service brakes shall be hydraulically actuated, utilizing dual independent brake circuits.
- Y___ N___ Brakes shall be continuously pressurized, filtered, oil cooled.
- Y___ N___ Machine shall have individual brake pods for each rear wheel, located at each rear wheel on the tandem box, independent of tandem chains.
- Y___ N___ Compensation components shall be required at all four tandem brake pods in addition to the brake wear indicator.
- Y___ N___ Brake line protection, including optional tandem walkways and hydraulic brake line guarding, shall be available to prevent line damage.

HYDRAULIC SYSTEM

- Y___ N___ A standard triple-redundant hydraulic relief system shall protect machine hydraulic components.
- Y___ N___ Hydraulic implement pump shall produce between 0 and 41.0 gal/min (155 L/min) of oil flow at 2,200 RPM.
- Y___ N___ Hydraulics system shall be a closed center, load sensing type with a variable displacement, axial piston-type pump.
- Y___ N___ Hydraulic system shall be fully sealed, using STOR seals to prevent leaks, contamination, and spillage.
- Y___ N___ The hydraulic tank shall have a baffling system to reduce potential pump cavitation.
- Y___ N___ The maximum hydraulic system pressure shall be no more than 3,500 psi (24,150 kPa).
- Y___ N___ Implement valves shall be proportional priority pressure compensating for consistent response when multi-functioning any combination of implement controls and independent of engine speed.
- Y___ N___ Lock valves shall be integrated into the main implement valve to prevent cylinder drift.
- Y___ N___ The hydraulic stand-by pressure shall be no more than 580 psi (4000 kPa) at 1,800 RPM.
- Y___ N___ Left and right blade lift cylinders shall have independent float capability, as a standard feature.
- Y___ N___ A sight gauge will be provided for checking hydraulic reservoir fluid.
- Y___ N___ Hydraulic oil change service interval shall be no less than 6,000 hours with oil sampling.
- Y___ N___ Hydraulic filter will have 1,000 hour change filter interval.

FRONT AXLE AND TANDEMS

- Y___ N___ Front axle shall be an arched design for maximum ground clearance.
- Y___ N___ Wheel spindle shall be a "live" spindle design and rotate inside a sealed (with duo-cone seals) compartment with lightweight oil for lubrication of the bearings.
- Y___ N___ Front spindle shall be heat induction hardened.
- Y___ N___ Front wheel spindle bearings shall be a double-tapered design with the larger diameter bearing mounted closest to the centerline of the front tire.
- Y___ N___ Front wheel spindle maintenance intervals shall be no less than 2,000 hrs.
- Y___ N___ Machine shall have front wheel lean.
- Y___ N___ Mechanical steering stops located at each wheel and steering cylinder relief valves shall be present to prevent steering system damage during normal operation.
- Y___ N___ Machine shall provide 2 steering cylinders for maximum steering force.

TIRES AND RIMS

- Y___ N___ A 14 inch by 25 inch size 3-piece tire rim shall be available to provide mounting for 17.5-R25 tires.
- Y___ N___ Machine will have at minimum L2 rated 17.5R25 tires installed

OPERATOR STATION

- Y___ N___ A 42,075 BTU/h (12.3 kW) heater shall have an integral pressurizer and three-speed fan along with A/C.
- Y___ N___ Standard Seat shall be a vinyl-covered static seat with 3 in (76 mm) retractable seat belts, with adjustments for fore-aft position.
- Y___ N___ An enclosed cab with ROPS (Rollover Protective Structure) according to ISO 3471: 1986-1997 shall be provided.
- Y___ N___ Cab doors shall have a hold-open clasp with a ground-level release in addition to a release in the cab.
- Y___ N___ Cab shall have fixed front window of laminated glass with intermittent wiper.
- Y___ N___ FOPS (Falling Object Protective Structure) shall be provided according to ISO 3449.
- Y___ N___ Machine shall have adjustable vents, positioned to direct air to front windows and operator.
- Y___ N___ An instrument cluster shall be provided that includes a speedometer, tachometer, coolant temperature, fuel and articulation angle gauge.
- Y___ N___ Operator cab fresh air-filter shall be accessible for clean out and replacement from inside the cab.
- Y___ N___ Left and right side cab doors shall be provided.
- Y___ N___ Wipers shall be provided on rear windows.
- Y___ N___ Digital machine hour meter shall be provided.
- Y___ N___ Access to cab shall be three anti-skid steps.
- Y___ N___ Cab shall have at a minimum a cup holder, personal cooler holder, storage compartment for operator's manual including the operator's manual, with a molded floor mat.
- Y___ N___ Window washer fluid bottle refill spout shall be located inside the cab.
- Y___ N___ DEF gauge must be visible to the operator at all times.
- Y___ N___ Integrated display and wiring for a rear vision camera shall be provided with capability to view at all times without interfering with the gauge and diagnostic display.
- Y___ N___ A rear sun shade shall be provided.
- Y___ N___ An air suspension seat shall be provided.
- Y___ N___ A mechanical suspension seat shall be provided with forward and aft adjustment.
- Y___ N___ A rear defroster fan (up to two) shall be provided.
- Y___ N___ Machine shall have Digital Blade Slope Meter from the factory.
- Y___ N___ Blue tooth radio shall be provided.

DRAWBAR, CIRCLE, AND MOLDBOARD (DCM)

- Y___ N___ Standard drawbar wear strips shall be replaceable, inserts made from nylon composite material and be replaceable.
- Y___ N___ The drawbar shall feature welded protective wear plates to prevent lift group contact with the primary drawbar structure.
- Y___ N___ The standard moldboard shall be at least 12ft long, 24in high and no less than 7/8 in thick.
- Y___ N___ Moldboard shall have a bank slope angle capability of at least 90 degrees to both sides.
- Y___ N___ Moldboard shall be equipped with hydraulic tip control.
- Y___ N___ The moldboard shall be pre-stressed during manufacturing for superior strength and durability.
- Y___ N___ Moldboard slide rails shall be constructed of a heat-treated, high carbon steel and have replaceable bronze alloy wear inserts on top and bottom.
- Y___ N___ Circle shall be a single piece, rolled-ring forging with raised wear surfaces on the top and bottom.
- Y___ N___ Circle teeth contact surfaces shall be induction-hardened on the front 180 degrees of the circle.
- Y___ N___ Blade lift and center shift cylinders shall 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.

- Y___ N___ The lift cylinder casting shall be welded to the front frame for added strength and structural integrity.
- Y___ N___ The standard mounting hardware for cutting edges and end bits shall be 3/4 in (19 mm).
- Y___ N___ All 7 link bar positions have replaceable bushings.
- Y___ N___ Linkbar pin shall be separate from pin pulling mechanism for easier service and lower owning and operating costs.
- Y___ N___ The draft frame pivot connection shall have a single ball stud with grease fitting. Ball stud shall be bolt-on, shimable and adjustable to allow for quick and easy field serviceable design.
- Y___ N___ Machine shall be equipped with multiple replaceable wear inserts between the circle and drawbar.
- Y___ N___ A 12 ft (3669 mm) long, 24 in (686 mm) high and no less than 7/8 in (20 mm) thick moldboard shall be provided.
- Y___ N___ Blade lift accumulators shall be provided, protecting cutting edge and other components from damage from shock loads as an option.
- Y___ N___ Optional circle saver (pinon grease system) for easier maintenance shall be provided from the factory.
- Y___ N___ Circle drive slip clutch shall be installed for horizontal moldboard protection.

ELECTRICAL

- Y___ N___ Machine shall have a 120 amp-hour, 900 CCA heavy-duty battery.
- Y___ N___ Machine shall have a minimum 100-amp alternator at 24 volts provided which is brushless for increased life and durability.
- Y___ N___ A 24 V to 12 V converter with 10-amp capacity shall be provided.
- Y___ N___ Starting system shall be a 24 V direct electric type.
- Y___ N___ LED white reversing lamps and LED stop lamps shall be provided.
- Y___ N___ Electrical system shall have a master disconnect switch with a removable key (in addition to the ignition switch), accessible from the ground level.
- Y___ N___ All core machine systems shall be electronically connected, optimizing performance and preventing machine damage.
- Y___ N___ All wiring shall be arranged and located so as to facilitate regular visual inspections, not be in contact with hot surfaces and not routed with other services lines (fuel and oil).
- Y___ N___ All harnesses / cabling are secured with clipping clamps providing a gap between the conduit/harness and the mounting surface preventing material build-up.
- Y___ N___ Power must remain available upon key off to purge DEF system lines and protect components.
- Y___ N___ Six 3 x 3 in (76 x 76 mm) halogen mounted cab lights.
- Y___ N___ Two (3 x 3 in) (76 x 76 mm) halogen heel work lamps mounted underneath the cab.
- Y___ N___ Two (3 x 3 in) (76 x 76 mm) halogen mid-frame toe lamps to illuminate moldboard and surrounding area.
- Y___ N___ Two (3 x 3 in) (76 x 76 mm) halogen ripper work lamps.

SERVICEABILITY

- Y___ N___ The site gauge for checking transmission fluid shall be at ground level.
- Y___ N___ Hydraulic tank site gauge shall be readable from the ground.
- Y___ N___ Sampling ports shall be accessible from the tandem level and provide access to the engine, hydraulic, and coolant ports.
- Y___ N___ A two-way communication tool shall give service technicians easy access to stored diagnostic data and allow configuration of machine parameters.
- Y___ N___ Machine shall provide 3 points of contact on all areas of the machine, for mounting and dismounting.
- Y___ N___ The articulation joint shall have mechanical locking device to prevent frame articulation while servicing or transporting machine.

- Y___ N___ Engine oil filter shall be a 1,000 hour change interval, cartridge style filter.
- Y___ N___ Engine primary and final fuel filters shall have 1,000 hour service replacement interval.
- Y___ N___ Engine shall have primary fuel filter with water in filter (wif) sensor, quick release dual stage filter and primer pump.
- Y___ N___ Hydraulic oil filter will be cartridge style filter located inside hydraulic oil tank and shall have 1,000 hour service interval.
- Y___ N___ Transmission filter restriction indicator shall be displayed in the cab.
- Y___ N___ Lock out / Tag out capabilities shall be provided standard and increase the safety levels during down time. This ensures that an energy isolating device and the machine which are being worked on and cannot be operated.
- Y___ N___ DEF tank fill shall be located on the same side of the fuel tank fill, and be easily accessible from ground level.
- Y___ N___ A cover shall be provided for under cab.
- Y___ N___ Reversing hydraulic fan shall be provided for high debris applications and environments.
- Y___ N___ Remote machine diagnostics shall be provided.
- Y___ N___ Remote software flash shall be provided.
- Y___ N___ Left and right side tandem case assemblies covered with punched steel plate to provide an adequate platform for standing and walking shall be installed.
- Y___ N___ An integrated communication tool providing flow of vital machine data and location shall be provided. This system shall give automatic updates on machine parameters such as machine hours, machine condition, location, fault codes and alarms.
- Y___ N___ Selling dealer to provide one electronic copy of a full parts manual, operator's manual, and service manual.
- Y___ N___ Any DPF cleaning or replacement required during the original ownership period at the cost of the equipment supplier.
- Y___ N___ Selling dealer to provide oil sampling kits and processing at no cost to the District for the entire ownership of the machine.
- Y___ N___ Sampling ports shall be provided and installed by selling dealer for all servicable fluids (i.e. engine oil, hydraulic system, transmission, cooling system and differentials).

MINIMUM SERVICE FILL CAPACITIES

- Y___ N___ Standard fuel tank capacity shall not be less than 65 gallons.
- Y___ N___ Standard cooling system capacity shall not be less than 10 gallons.
- Y___ N___ Standard hydraulic tank capacity shall not be less than 10 gallons.
- Y___ N___ Standard engine oil capacity shall not be less than 2.0 gallons.
- Y___ N___ Standard DEF tank capacity shall not be less than 3 gallons.
- Y___ N___ Standard transmission capacity shall not be less than 4 gallons.

SAFETY AND ENVIRONMENTAL

- Y___ N___ An external emergency kill switch shall be provided for ground level engine shut down.
- Y___ N___ Machine shall have laminated glass for the front windows and doors, to protect the operator from shattered glass.
- Y___ N___ Machine shall provide dual exits allowing for emergency egress should one side become obstructed.
- Y___ N___ Electrical system shall have a master disconnect switch with a removable key and lock for added safety (in addition to the ignition switch).
- Y___ N___ Machine shall have back-up lights and sounding alarm when reverse gears are selected.
- Y___ N___ Standard front light bar (low or high) with front head lights and turn signal shall be provided.
- Y___ N___ Environmentally friendly drain valves shall be provided for the hydraulic oil, engine oil, and engine coolant.
- Y___ N___ Cooling fan shall have both a shroud and rear grill for protection during service.

- Y___ N___ Machine shall allow cab interior lights to remain on separate from ignition switch, for safe exit of the machine during night operation.
- Y___ N___ Engine and transmission shall be rubber isolation mounted to reduce noise and vibration.
- Y___ N___ A standard guard shall be provided to protect the machine's transmission from debris.
- Y___ N___ A standard guard shall be provided to protect the machine's DEF tank from debris.
- Y___ N___ Machine shall have service brake discs at each wheel to provide braking at each wheel.
- Y___ N___ Rear vision camera with integrated display and wiring shall be provided.
- Y___ N___ Blade lift accumulators shall be provided, to reduce vertical impact damage.
- Y___ N___ Drop down rear lights (stop/turn signal lights) shall be provided to span the profile of the machine for increased safety.
- Y___ N___ Machine will be supplied with a roof mounted LED Warning Strobe in amber color controlled by the ignition switch.

WARRANTY

- Y___ N___ Machine purchase to include an 84 month, 10,000 total machine warranty. Warranty will cover all parts, parts delivery, labor, field service mileage and transportation to a dealer repair facility in the event that repairs cannot be performed in the field. Warranty will be \$0 deductible. Field service shall be onsite, or the equipment transported to a dealer facility by warranty provider, to allow diagnostic and repair within 48-hours of warranty work/claim notice (not including weekends or holidays). Warranty documentation will be submitted with bid or bid may be deemed non-conforming.

Fremont County Solid Waste Disposal District
Motor Grader Bid Form

BIDDER'S IDENTIFICATION:

Company Name: _____
Company Location: _____
Company Phone No.: _____
Sales Person: _____
Sales Person Phone No.: _____
Sales Person Email: _____

EQUIPMENT DETAILS:

Make: _____
Model: _____
Year: _____
Equipment Hours: _____
If bidding used equipment, provide a copy of the service and repair history, tire life remaining, provide a detailed full dealer inspection report, color photos, and address where the machine may be viewed.
Delivery Date: _____
Bid Price per Unit: \$ _____
Operator Training Date Options: _____
Request for Exception(s): YES / NO If YES, include a detailed, written explanation.

ATTACH A DETAILED WARRANTY STATEMENT (identifying all warranty language and limitations).

AUTHORIZED WARRANTY and SERVICE LOCATIONS:

Nearest authorized warranty provider (shop): _____

Nearest Field Service provider and name: _____

Nearest Parts Stocking location: _____

ATTACH A COMPLETED BID CHECK-OFF LIST.