

Morgan County is pleased to request written sales proposals for our consideration for the following equipment: Two Tandem Drive Motor Graders with Rear Ripper-Scarifier.

The machines shall be brand new, of the latest design in current production, be equipped with all standard equipment and additional specifications and options are available in the Morgan County Commissioners Office at 218 West Kiowa Avenue, Fort Morgan, CO 80701, (970)542-3500, extension 1410. Proposals must be returned to the Board of Morgan County Commissioners, 218 W. Kiowa, P.O. Box 596, Fort Morgan, CO 80701 no later than 9:00 a.m. MST, March 4, 2010 at which time they will be taken to Morgan County Administration Building, Assembly Room, (basement) 231 Ensign Street, Fort Morgan, CO 80701, opened and read aloud. The Board of County Commissioners will make the final determination on which machine is in the best interests of Morgan County and reserves the right to accept or reject any or all proposals and to waive any formalities.

//Susan Bailey

Administrative Services Manager  
Morgan County Government



## Fleet Department

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Morgan County  
Attn: Susan Bailey  
218 W. Kiowa Street  
Ft Morgan, CO 80701

February 11, 2010

We are pleased to request written sales proposals for our consideration for the following equipment.

### **Two Tandem Drive Motor Graders With Rear Ripper-Scarifier**

The machines shall be brand new, of the latest design in current production, be equipped with all standard equipment and include all the options listed below.

Motor Grader is to be of the 33,000 lb. base weight class with the following models listed as examples, intended solely to indicate the size, type and class of the equipment desired.

Cat 140M  
Deere 770G  
Volvo G940

The specifications and options list below are intended to describe the machine in a way that meets the requirements and needs of Morgan County Government. They are not meant to represent a complete list of specifications or a complete machine. Please provide a detailed list of all the standard specifications and features for the machine(s) you intend to propose and meet as many of the specifications and options as possible. Please note any variations to the specifications or options listed below.

## **Specifications and Options**

### **SIZE**

Operating weight shall be no less than 33,000 lb

### **ENGINE & RELATED**

Engine shall develop a rated net flywheel power of at least 165 hp  
Engine shall have a variable horsepower arrangement to increase net power (165 hp to 215 hp)  
Engine shall be at least 7.2L with electronically controlled fuel injection  
Engine shall be a turbo-charged, direct injection, four stroke, 6-cylinder diesel engine  
Engine cooling fan shall be a hydraulic driven, automatic, variable speed to reduce engine demand  
Dual element air cleaner with service indicator  
Engine shall be equipped with an injector type air pre-cleaner  
Heavy-duty cooling system  
Automatic metered ether cold weather starting aid  
110 volt engine coolant heater  
Lockable engine compartment doors

### **ELECTRICAL & LIGHTING**

24 volt electric start  
Dual low maintenance, heavy duty batteries, minimum 1125 CCA capacity each  
Machine shall have an 80 amp alternator  
Electric master disconnect switch  
24 to 12 volt convertor, 25 amp continuous minimum (radio communications)  
Two (2) High beam headlights mounted at front of machine  
Two (2) Low beam headlights mounted at front of machine  
Two (2) LED front turn signal lights mounted at front of machine  
Two (2) 3x3 inch halogen tow work lights mounted mid frame  
Two (2) 3x3 inch halogen heel work lights mounted on lower cab  
Two (2) 5x5 inch and two (2) 3x3 inch halogen work lights mounted top front of cab  
Two (2) 3x3 inch halogen work lights mounted top rear of cab  
Two (2) LED turn signal lights mounted at rear of machine  
Two (2) LED stop lights mounted at rear of machine  
Two (2) Reversing lamps mounted at rear of machine  
Cab mounted amber strobe light  
Reverse warning alarm

### **POWERTRAIN/TRANSMISSION**

Machine shall have a direct drive, powershift transmission  
Transmission shall have a load compensating system to ensure consistent shift quality in all applications  
Machine shall have a minimum of (8) forward and (6) reverse speeds  
Operator controlled differential Lock/Unlock  
Machine shall be equipped with an inching pedal  
Machine shall be equipped with over-speed protection  
Machine shall not allow starting when the transmission is in gear  
Transmission shall be guarded to protect it from impact damage  
Electronic Throttle Control (cruise control)

## **BRAKES**

Service brakes shall be multi-disc, oil-cooled and completely sealed  
Service brakes shall be hydraulically actuated  
Hydraulic brake accumulators  
Engaged parking brake shall neutralize the transmission

## **HYDRAULIC SYSTEM**

Hydraulics system shall be a closed center, load sensing type, with a variable displacement pump  
Lock valves shall be integrated into the system to prevent cylinder drift  
Blade lift cylinders shall have independent float capability  
Valve & control group for front lift attachment (Snow Plow)  
Hydraulics lines group for front attachment  
Valve & control group for rear lift attachment (Ripper/scarifier)  
Hydraulics lines group for rear attachment

## **TIRES & WHEELS**

Rims shall be interchangeable, 10 inch x 24 inch 3-piece design  
Michelin X Snow Plus or equal design  
Standard tire size shall be 14:00R24

## **STEERING AXLE**

Front axle base lean shall be set to zero degree wheel lean and the toe adjustment corrected for this base lean setting  
Machine shall be supplied with steerable front fenders

## **CIRCLE & MOLDBOARD**

Circle shall have a circle drive slip clutch to reduce impact damage  
Circle shall have replaceable wear items at all wear surface areas  
Moldboard shall be 14 ft x 24 in x 7/8 in  
Moldboard cutting edge retention bolts shall be 5/8"  
Moldboard rails shall be hardened and have replaceable wear inserts top and bottom  
Blades-(2) 5/8" x 8" x 84" heat treated/punched for 5/8" plow bolts  
Replaceable end bits on moldboard  
Blade lift and center shift cylinders shall have replaceable wear inserts in the ball sockets

## **WORK TOOLS**

Machine shall have a rear ripper/scarifier  
Machine shall have three (3) ripper teeth and shanks  
Machine shall have seven (7) scarifier bits and shanks

## **MISCELLANEOUS EQUIPMENT**

Machine shall have pressurized oil sample ports on engine, transmission/differential, hydraulics and coolant  
Machine shall have a tool box  
Machine shall have a slow moving emblem  
Locks on all compartment doors and unsecured fluid compartments

## **OPERATORS STATION**

Machine shall have a full enclosed operators cab with roll over protection

Cab shall have left and right side entrance doors and ladders

Cab shall be pressurized, fresh air filtered and include air conditioning, heater and defrosters

Four-speed fan for air conditioner, heater and defroster

Machine shall have rear window defroster

Windshield wipers with washer

Rear wipers with washer

Lower front windshield wipers with washer-right & left side

Auxiliary controls for attachment implements and/or work tools with float capability

Instrument cluster that includes a speedometer, tachometer, coolant temperature, fuel and articulation angle gauge.

Machine hour meter shall be provided.

Entertainment package, including AM/FM CD player with speakers

Premium deluxe cloth covered air suspension type seat with armrest and adjustments for height, weight, back, suspension dampening and seat belt

Heated exterior mounted rear view mirrors, left & right side

Interior mounted rear view mirror

12 volt power supply mounted in cab

Cab interior light

## **FIELD TESTING**

All responding companies shall make available to Morgan County a motor grader of the same model proposed with similar equipment for field testing purposes at the request of Morgan County. If field testing is required, Morgan County would like (3) full working days to evaluate the machine.

## **OTHER REQUIREMENTS**

- Since the continuous operation of this equipment is of the utmost importance and sometimes of an emergency nature, it is necessary that the successful seller be in a position to render prompt parts and service. Please attach a proposed program for parts and service availability and include the following:

Maintenance based on 250 hour intervals up to 2000 hours.

Parts and fluids required at 250 hour, 500 hour, 1000 hour, and 2000 hour intervals.

Estimate maintenance cost per interval not including labor.

Field service base rates

Field service estimated miles

Field service mileage rates

- Guaranteed 5 Year / 7500 Hour Buy Back Price by Year
  - 1 Year / 1500 Hour
  - 2 Year / 3000 Hour
  - 3 Year / 4500 Hour
  - 4 Year / 6000 Hour
  - 5 Year / 7500 Hour

- Five Year / 7500 Hour Total Machine Warranty
- Operators Manual for Each Machine
- Parts Book for Each Machine
- Complete Set of Service & Repair Technical Manuals (Hard copy or digital format acceptable)
- F.O.B. Ft Morgan, CO
- **Proposals and pricing must be valid for 60 days from the return date.**
  
- Trade Values for:
  - 2005 Cat 140H Motor Grader with Rear Ripper/Scarifier, CCA01362, 7485 Hours
  - 2005 Cat 140H Motor Grader with Rear Ripper/Scarifier, CCA01364, 7340 Hours

Morgan County will retain the front snow plow lift off each of the trade machines.

The Board of County Commissioners will make the final determination on which machine is in the best interests of Morgan County and reserves the right to accept or reject any or all proposals and to waive any formalities.

Thank you for taking the time to prepare a sales proposal for this equipment. Proposals must be returned to the Board of Morgan County Commissioners, 218 W. Kiowa, P.O. Box 596, Fort Morgan, CO 80701 no later than 9:00 a.m. MST, March 4, 2010 at which time they will be taken to Morgan County Administration Building, Assembly Room, (basement) 231 Ensign Street, Fort Morgan, CO 80701, opened and read aloud. Please clearly mark 2010-0304 Motor Grader RFP on the outside of the envelope. If you have any further questions please feel free to call me at 970-542-3565.

Thank You,

Bruce Bass  
Fleet Manager  
Morgan County

Equipment  
Vendor List

Colorado Machinery  
Attn: John Snider  
3763 Monarch Street  
Frederick, CO 80516

Wagner Equipment Company  
Attn: Rick May  
18000 Smith Road  
Aurora, CO 80011

Power Equipment Company  
Attn: Andy Remo  
P.O. Box 28  
Denver, CO 80201-0028

Adobe Equipment  
Attn: Steve Corning  
5750 Fairfax Street  
Commerce City, CO 80011

Power Motive Corporation  
Attn: Eric Amen  
2600 Center Drive  
P.O. Box 336  
Milliken, CO 80543