

## **NOTICE TO BIDDERS**

The Roscommon County Road Commission will receive sealed bids until 2:00 p.m. on Thursday, May 26, 2011. (Bids will be opened at 2:00 p.m. for tabulation and review. Bid results and staff recommendations will be presented to the board at their regular meeting beginning 7:00 p.m. that same night). Our office is located at 820 E. West Branch Road, Prudenville, MI 48651, for the following; one new 14' Self-Unloading Spreader.

### **ONE (1) 14' SELF-UNLOADING SPREADER**

Specifications may be obtained by contacting the Roscommon County Road Commission at the above address.

Submit bids in a sealed envelope that is clearly marked with the words: "**14' Self-Unloading Spreader**"

The Roscommon County Road Commission reserves the right to reject any or all bids, to waive irregularities in the bid, to waive details in the specifications, and to accept the bid deemed to be in the best interest of Roscommon County.

Board of Roscommon County  
Road Commissioners

Jackie Bertsch, Chair  
R. Bill Ancel, Vice-Chair  
Clint L. Stauffer, Member  
Kim Akin, Member  
Thomas McGinnis, Member

For publication:

ROSCOMMON COUNTY ROAD COMMISSION  
SPECIFICATIONS  
FOR  
One (1) Self-Unloading Spreader

1. **HEAVY DUTY MATERAIL SPREADER** – 14’ long X 48” high, 9 cubic yard capacity minimum. Complete unit manufactured of 304 or 201 Stainless Steel.

Manufacturer \_\_\_\_\_ Model \_\_\_\_\_

Yes \_\_\_\_\_ No \_\_\_\_\_ Deviation explain \_\_\_\_\_

- a. Front/sides/gate to be built of 3/16” 304 or 201 stainless steel with 3” double crimped top edge, 45 degree sloped sides, (1) at each corner of the body.

Yes \_\_\_\_\_ No \_\_\_\_\_ Deviation explain \_\_\_\_\_

- b. Side supports 2-1/2” X 4” formed channel on 36” centers, 100% welded with stainless steel welding wire.

Yes \_\_\_\_\_ No \_\_\_\_\_ Deviation explain \_\_\_\_\_

- c. Tailgate, outer perimeter to be 4” formed 304 or 201SS channel with (2) inner 3” formed 304 or 201SS channel supports, tailgate to be offset hinged with HD hardware; jack type metering gate, approx. 34” X 14”, 1/4” thick, 304SS door.

Yes \_\_\_\_\_ No \_\_\_\_\_ Deviation explain \_\_\_\_\_

- d. Longsills & crossmembers, min. 1/4” thick, 304 or 201SS to extend beyond the body for additional support with 3” formed 304 or 201SS crossmembers.

Yes \_\_\_\_\_ No \_\_\_\_\_ Deviation explain \_\_\_\_\_

- e. Catwalks, min. 3/16” thick and reinforced to handle the extra weight of the 120 gal. Per-wet tanks 1500 lbs. per-side, 30” wide, smooth 304 or 201SS with anti-skid top surface, full length both sides.

Yes \_\_\_\_\_ No \_\_\_\_\_ Deviation explain \_\_\_\_\_

- f. Floor & chain shields, min 3/16" thick 304 or 201SS removable chain shields, min. 1/4" thick 304SS bolt-in removable floor with stainless steel bolts.

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviation explain\_\_\_\_\_

- g. Conveyor chain, min. 28,000 lb tensile strength per strand, 34" width, conveyor 1/2" X 1-1/2" wide cross bars on 2-1/4" centers every other link, 2.25 pitch.

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviation explain\_\_\_\_\_

- h. Conveyor drive; two 6:1 gear boxes with hardened high strength steel alloy gears, supported by ball bearings mounted on a 2" shaft driven by (2) low speed hi-torque motors.

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviation explain\_\_\_\_\_

- i. Front idler shaft 2" diameter, 4 bolt HD relubable, self-aligning bearings with dirt shields, 8 tooth hardened sprockets; longsills to have full length open slots to allow removing front idler assembly and rear drive assembly without disassemble, to include HD slide rail chain adjustment.

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviation explain\_\_\_\_\_

- j. Hi-Low speed conveyor; Hi and Low speed shall be accomplished by an airshift series parallel valve, installed left front of body.

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviation explain\_\_\_\_\_

- k. Hydraulic tubing; shall be mounted to the side of the hopper body to accommodate pre-wet tanks and to be secured with poly block clamps and stainless steel hardware.

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviation explain\_\_\_\_\_

- l. Cab-Shield; to be 1/2 cab style, approx 24" coverage, constructed of 3/16" 304 or 201SS, loose.

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviation explain\_\_\_\_\_

2. **LIGHT AND LIGHT ENCLOSURE to be provided in bid package:**

- a. 304 or 201SS Oval style enclosure, one each side to house three 60 series lights.

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviation explain\_\_\_\_\_

- b. Federal 108 lighting shall include (4) reflectors, (1) Betts poly center, (3) light cluster, (4) Betts poly corner clearance lights with weatherproof wiring and 18 pin Betts junction box.

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviation explain\_\_\_\_\_

3. **Heavy Duty Material Spreader Accessories:**

- a. ½” thick heavy duty mud flaps, front and rear of the drive axles, loose but include stainless steel hardware.

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviation explain\_\_\_\_\_

- b. Ladder; bolt on 304 or 201SS hinge down ladder 6 rungs, loose.

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviation explain\_\_\_\_\_

- c. SHOVEL HOLDER: Made of 304 or 201SS to be mounted left front face of Material spreader, driver’s side.

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviations explain\_\_\_\_\_

- d. Mounting kit to include ¾ X ¾ angle pinch clamps with front spring loaded To prevent frame damage.

- e. Complete Grease line kit: (bearings and hinges)

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviations explain\_\_\_\_\_

**NOTES:**

Heavy duty spreader complete body, side supports, longsills, catwalks, cabshield and tailgate all to be 304 or 201SS construction and to be continuously welded with Stainless Steel wire.

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviation explain\_\_\_\_\_

All hoses to have steel crimp on ends, aluminum crimp shells and clamp on hose ends are not acceptable.

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviation explain\_\_\_\_\_

4. **TARP SYSTEM;** RollRite, model 6416, shall be fully automatic, 3 spring system, wind deflector, tarp spool, aluminum tension and tarp bows, in-cab switch, indicator light and circuit breaker, 20 ft. heavy duty mesh tarp, loose.

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviation explain\_\_\_\_\_

5. **9" CROSS AUGER SYSTEM**

Manufacture\_\_\_\_\_ Model\_\_\_\_\_

- a. 7 gauge 304 or 201SS Trough assembly with one piece end plates – 96" long all interior seams shall be continuously welded.
- b. Bottom trough shall have three HD ½" hinges – all latches shall be captive.
- c. 9" auger shall have minimum 2-7/8 OD core with 6" pitch flighting minimum 5/16 thick 84" long.
- d. Auger shall be driven by Roller Stator 45 cubic inch motor direct drive 1-1/4 – 14 spline motor shaft – shaft coupler shall be stain less steel.
- e. Auger shafts shall be 1-1/2" diameter supported by heavy duty 1-1/2" sealed, self aligning, relubable, 4-bolt flange bearings.
- f. Left side discharge spinner shall be self leveling manufactured from 304SS, shall include 18" formed poly disk, directly coupled to low speed, hi torque Roller Stator 3 cubic inch motor via a cast iron spinner hub.

Mounting kit shall be designed to fit heavy duty material spreader long sills.

6. **PRE-WET SYSTEM;** shall consist of the following:

Manufacturer\_\_\_\_\_ Model\_\_\_\_\_ -  
\_\_\_\_\_

- a. (2) 120 gallon polypropylene 3/8" thick UV stabilized tanks, 1 ¼" ports, molded gauge calibration in US gallons
- b. (2) 304 stainless steel tank mounting saddles with heavy duty polyester retaining straps
- c. Nema weather tight enclosure to house 7 GPM product pump with stainless steel shaft, direct drive hydraulic motor
- d. (1) Cross over hose kit
- e. (1) Bulk fill and flush kit
- f. (1) Nozzle kit (3 nozzles, 2 GPM brass tips and caps, SS nozzle bracket, EPDM 150 PSI hoses), 5 PSI in-line check valve
- g. (1) Stainless steel enclosure mounting kit
- h. (1) Suction strainer

- i. Designed to mount on top of reinforced cat walks-and not run interference with tarp system
- j. Shall be installed on the above material spreader

Yes\_\_\_\_\_ No\_\_\_\_\_ Deviation explain\_\_\_\_\_

\*To be installed by the Roscommon County Road Commission.

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**ROSCOMMON COUNTY BOARD  
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ROSCOMMON COUNTY ROAD COMMISSION  
BID SHEET  
SELF-UNLOADING SPREADER  
May 26, 2011

Make & Model \_\_\_\_\_

**BID PRICE: \$ \_\_\_\_\_ EA.**

Exceptions to bid specifications: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Voluntary Options: \_\_\_\_\_

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\_\_\_\_\_

Delivery Date: \_\_\_\_\_

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Phone

\_\_\_\_\_  
Address

\_\_\_\_\_  
Fax

\_\_\_\_\_  
Representatives Signature

\_\_\_\_\_  
Date