



Rush County  
Board of Commissioners

Room 212  
101 East Second Street  
Rushville, Indiana 46173

NOTICE TO BIDDERS

Notice is hereby given that the Board of Commissioners of Rush County, Indiana will receive sealed bids at the office of the Rush County Auditor on the second floor of the Rush County Courthouse in Rushville, Indiana until the hour of 9:00 A.M. local time on Monday October 16, 2017. At said time, bids will be opened and considered on the following item:

One (1) Hydrostatically Driven, Front Wheel Drive, Self-Propelled Chip Spreader

All interested Bidders shall contact the Rush County Highway Superintendent for specifications regarding the above item. All bids must be submitted on Rush County Form B-13 and accompanied with Form B-12 (Non Collusion Affidavit) together with a certified check or bid bond equal to Ten (10%) of the bid.

Rush County wishes to trade in the following equipment for the new equipment:

2001 Etnyre 2 Wheel Drive Variable Width 9' to 18' Chip Spreader Serial Number K5854

The Board of Commissioners reserves the right to reject any and/or all bids, and to determine the character and sufficiency of each bid.

Given by order of the Rush County Board of Commissioners this 18<sup>th</sup> day of September 2017.

Paul Wilkins

Mark Bacon

Bruce W. Lisi

Rush County Board of Commissioners

ATTEST:

Dodi Harro

Rush County Auditor

# SPECIFICATIONS

## For Hydrostatically Driven Front Wheel Drive Self-Propelled Chip Spreader

It is the intent of these specifications to describe a hydrostatically driven, self-propelled Chip Spreader in sufficient detail to secure bids on comparable equipment. All parts not specifically mentioned, which are necessary to provide a complete Chip Spreader, shall be included in the bid and shall conform in strength and quality of material and workmanship to what is generally provided to the industry. The unit shall be a current model in standard production by the manufacturer.

Any units not conforming to these specifications will be rejected and it will be the responsibility of the manufacturer to conform to all requirements unless deviations have been specifically cited by the bidder and acceptance made on the basis of such deviations.

### Function

The self-propelled Chip Spreader shall be designed and constructed to apply a uniformly distributed application of cover and seal coat aggregates.

### I. POWER TRAIN

**ENGINE:** Cummins Tier III, 6 cylinder, turbocharged, diesel engine. Manufacturer's maximum rating 260 H.P. Includes electric start, alternator, and voltage regulator and 12 volt batteries. Engine to have dry type air cleaner, disposable element type oil filter, heavy duty cooling system, cable throttle actuator. Control/ instrument panel to have lockable cover to prevent accidental starting and pilferage.

**HYDROSTATIC DRIVE:** Mechanical front wheel drive steer axle, full oscillating, 75" wheel track, 20.37:1 gear ratio, 25,000 lb. rated, single speed differential. Driven by direct engine bell housing mounted 125 cc hydrostatic pump and 160 cc hydrostatic motor. Rear axle is 25,000 lb. rated with 95" wheel track. Infinitely variable speed from 0 to 19.5 M.P.H.

**BRAKES:** Mechanical front axle has hydraulic internal drum brakes controlled by foot pedal. Rear axle has hydraulic actuated drum brakes, 16 1/2" x 7". Also includes spring applied, hydraulic release fail-safe parking brake in the drive line, automatically applies if hydraulic power is lost.

**STEERING:** Full hydrostatic power steering from 1.22 cc fixed displacement gear pump, with dedicated flow independent of engine speed.

**TIRES & WHEELS:** (4) 385/65R 22.5 tires on disc wheels.

### II. FRAME ASSEMBLY

The complete power train, diesel engine, hydrostatic pump and motor, front and rear axles, shall be mounted to the lower removable main frame. Upper removable main frame assembly includes both conveyors, right and left access ladders and walkways, 70 gallon built in hydraulic oil reservoir, 82 gallon diesel fuel tank for engine, rear 4 cubic yard hopper and truck hitch. Complete main frame is 3/16" steel construction.

**CONVEYORS:** To have heavy duty 24" conveyor belts which are independently activated by electric switches. To be powered by a load sensing 74 cc variable displacement pressure compensated hydraulic pump, high torque 19.0 C.I.R. hydraulic motors, with direct drive to head pulley. Electric switches for each conveyor control to have easy access mechanical override. Hooded, adjustable aggregate deflector to be located at head of each conveyor. Troughing idlers to be quick removable type and tail pulley to be adjustable for insuring proper belt alignment. Electric/hydraulic folding wings on rear receiving hopper.

**AUTOMATIC CONVEYOR CONTROL:** Automatically starts and stops the conveyor belts to control the aggregate level in the spread hopper. Shall include override control enabling the driver/operator to start or stop the conveyors, and each conveyor to have speed adjustments at operator's station for conveyor and auger functions.

### **Variable Width Spread Hopper for Hydrostatic Drive Chip Spreader**

Infinitely variable width two section hopper system. Including driven dual auger and spread rolls. Independent conveyor feed to each hopper. Hydraulic system with all pumps, hoses, valves and control system necessary for operation. Operating controls at both driver and right front operator stations. Expanded metal in top of hopper with replaceable grates under conveyor hoods. Installed on Hydrostatic Drive Chip Spreader at time of new order production. Price in lieu of standard 10' spread hopper.

10' to 20' variable spread width (includes 1' electric/air gates full width).

**FRONT HOPPER REJECT SCREEN:** A full width rock type screen with 1 1/2" openings shall be placed over the top of the spread hopper to retain all oversized materials and foreign objects.

#### **RECEIVING HOPPER**

Hopper shall be a minimum of 132 inches wide with a capacity of approximately 4 cubic yards. Hopper to have hydraulically folding paver style wings controlled from the operator's station. Shall include heavy duty hopper skirting and an adjustable flow gate for each conveyer belt.

**TRUCK HITCH:** The unit shall be equipped with a positive, self-locking "railroad" type adjustable truck hitch, which can be electrically released from the drivers or operators position. Hitch height to be electrically controlled from driver's seat. The truck hitch shall be the type which will permit hooking and unhooking of aggregate trucks without stopping the Chip spreader and be capable of maintaining positive engagement over irregular terrain.

**APPLICATION RATE COMPUTER:** The Application Rate Computer monitors the actual speed of the Etnyre Chip Spreader, and varies the gate opening in order to maintain the set application rate, in lbs./yd<sup>2</sup>, of the selected aggregate, regardless of the speed of the Chip Spreader. The computer can store five different aggregate/application rate combinations in its memory. The preset aggregate can be selected together with its application rate at any time. In addition, the application rate can be varied as desired while operating, or a different preset combination may be selected at any time.

The computer can also be set to control the Chip Spreader's forward speed for consistent speed when following the distributor. The computer speed sensor replaces the need for radar ground speed system. Computer also monitors fuel level, engine oil pressure, hydraulic oil temperature, engine coolant temperature, hours on engine and miles chipped.

**OPERATOR STATION:** All controls located to the front for easy access to the spring suspension seat from either right or left side.

**POWER SEAT PEDESTAL:** Electric over hydraulic powered seat and control panel movement for dual control operation.

### **III. MISCELLANEOUS:**

**LIGHT PACKAGE:** Unit to have headlights, stop and tail lights and turn signals with flasher switch.

**FRONT FENDERS:** Each side.

**HORN:** An electric horn shall be furnished.

**BACKUP ALARM:** An electric backup warning alarm to be furnished.

**PAINT:** Standard highway yellow.

Unit to have one full length walkway with skid resistant surface adjacent to one side of conveyor system.  
A steel, lockable toolbox shall be mounted under the main deck.

### **WARRANTY**

One year on material and workmanship. Components manufactured by others shall carry such warranty as is provided by that particular manufacturer.

Manufacturers' descriptive literature/specifications shall be included with the bid and any deviations from these specifications are to be listed.

Successful bidder to furnish parts book(s) and complete operating instructions.

**NON-COLLUSION AFFIDAVIT**

STATE OF INDIANA )  
  ) SS:  
COUNTY OF RUSH   )

The undersigned offeror or agent, being duly sworn on oath, says that he, she has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, her, entered into any combination, collusion or agreement with any person relative to the price to be offered by any person nor to prevent any person from making an offer nor to induce anyone to refrain from making an offer and that this offer is made without reference to any other offer.

\_\_\_\_\_  
Offeror (Firm)

\_\_\_\_\_  
Signature of Offeror or Agent

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

My Commission Expires: \_\_\_\_\_

\_\_\_\_\_  
Notary Public

County of Residence: \_\_\_\_\_

\_\_\_\_\_  
Printed or Typed Name

Form B-13

Form for Offer or Proposal

Please print or type.

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

2. Governmental Unit: \_\_\_\_\_

3. County: \_\_\_\_\_

4. Offeror (Firm): \_\_\_\_\_

Address: \_\_\_\_\_

City/State: \_\_\_\_\_

5. Telephone Number: \_\_\_\_\_

6. Agent of Offeror (if applicable): \_\_\_\_\_

Pursuant to notices given, the undersigned offers to \_\_\_\_\_  
(Governmental Unit) in accordance with the following attachment(s) which specify the  
class or item number or description, quantity, unit price and total amount.

The contract will be awarded by in accordance with specifications. Offeror  
promises that it has not offered nor received a less price than the price stated in its  
offer/proposal for the supplies included in its offer/proposal. Offeror further agrees that it  
will not withdraw its offer/proposal from the office in which it is filed. A certified check  
or bond shall be filed with each offer/proposal if required, and liability for breach shall be  
enforceable upon evidence of financial responsibility.

\_\_\_\_\_  
Signature of Offeror or Agent

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

My Commission Expires: \_\_\_\_\_

\_\_\_\_\_  
Notary Public

County of Residence: \_\_\_\_\_

\_\_\_\_\_  
Printed or Typed Name