

**BID SUBMITTAL FORM**  
**Alabama County Joint Bid Program**  
**BID ITEM – ASPHALT DISTRIBUTOR WITH CHASSIS**

Company Name: Cowin Equipment Company Inc

Address: 4325 Northern Boulevard  
Montgomery Al 36110

Bid Submitted by: John Edwards  
(Name of company representative)

Title: Governmental Sales Manager E-mail address: jedwards@cowin.com

Phone: 850-685-7055 Fax: 334-834-2272

By submitting this bid, we agree:

Initials

The equipment model number identified below meets the bid specs for this bid item.

JE

That the bid price will be honored for all counties for the period from January 1, 2023 to December 31, 2023.

JE

The equipment will be delivered at the bid price to all counties participating in the joint bid program.

JE

The company representative listed above will be the contact person for purchasing this bid item under the joint bid program.

JE

The bid is accompanied by a current catalog or model specification document for the model number identified below.

JE

The bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications.

JE

The bid includes the e-verify documentation required by Alabama law.

JE

If awarded the bid, a performance bond will be provided upon request.

JE

The bid documents include the **Manufacturer's Suggested Retail Price Sheet (MSRP) for the Standard Machine.**

JE

## ASPHALT DISTRIBUTOR WITH CHASSIS

Total Bid Price for Standard Machine: \$ 274,095.<sup>00</sup> \* See note  
(Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs)\*

Freight Preparation and Delivery: \$ 4,750.<sup>00</sup>  
(Included in Standard Machine Bid Price)

Manufacturer's Suggested Retail Price for Standard Machine: \$ 294,133.<sup>00</sup>

Equipment Model #: ETNYRE Centennial

Description: Asphalt Distributor with Chassis

Signature of company representative submitting bid: John Edwards

Title: Governmental Sales Manager

\* **NOTE:** Award will be made based on the total cost of the **Standard Machine**. The total cost of the standard machine is to include the freight preparation, delivery and standard warranty cost. Freight preparation, delivery will be excluded from the total bid price of the standard machine in determining the percentage discount for any available options.

*Note: we will allocate up to 5 units for this contract*

**BID SUBMITTAL FORM: OPTION COST SHEET  
ASPHALT DISTRIBUTOR WITH CHASSIS**

By submitting this bid, we agree:

To offer any available options at the percent difference between the Manufacturer's Suggested Retail Price Sheet and the actual bid price on the Standard Machine\*

JE

The bid documents include the Manufacturer's Suggested Retail Price Sheet (MSRP) with **any available Options** for the Standard Machine

JE

Equipment Model #: Etury Centennial

Description: Asphalt Distributor with Chassis

Signature of company representative submitting bid: John Edwards

Title: Governmental Sales Manager

**\*Note:** The percent difference between the **Manufacturer's Suggested Retail Price Sheet (MSRP)** for the standard machine as specified by these **Bid Specifications** and the actual price bid by the vendor will be calculated to determine the percentage discount to be applied to any available options. The bid price of the freight preparation, delivery cost shall be excluded in determining the percentage discount to be applied to available options. Any individual county may choose to add any available option to the standard machine at the percentage discount at the time of purchase.



# INVITATION TO BID HEAVY EQUIPMENT

## NOTICE OF BID OPENING

**NOTICE IS HEREBY GIVEN** that the Association of County Commissions of Alabama, which administers the Alabama County Joint Bid Program on behalf of Alabama's county governing bodies, shall receive and open bids for the purchase of zero (0) or more items of heavy road equipment at its office located at 2 North Jackson Street, Montgomery, Alabama, at **10:00 a.m. on Friday, October 7, 2022**. Bid specifications are available at <http://www.alabamacounties.org/heavy-equipment/> for each of the following items:

Backhoes  
Tractors  
Track Mount Excavators  
Compact Track Mount Excavators  
Mini Track Excavator  
Wheeled Excavators  
Highway Speed Truck Excavators  
Motor Graders  
Heavy Duty Hydrostatic Bulldozers  
Mulching Dozer  
Wheel Loaders  
Heavy Duty Dump Chassis  
Lowboy Tractors  
Skid Steer Loader w/no Attachments  
Skid Steer Attachments

Ride-on Industrial Boom Mowers  
Asphalt Distributor Truck  
Chip Spreader  
Rubber Tire Roller  
7.5 Ton Single Drum Vibratory Roller  
One-man Pothole Patchers  
Trailer Mounted Patchers  
Trailer Mount Mastic Patcher/Crack Sealer  
Half Round End Dump Trailer  
Lowboy Trailers  
Road Wideners and Attachments  
16' Steel Dump Bodies (Automatic and Manual)

**Time is of the essence in submitting bids and only bids received in the Association office by 10:00 a.m. Central Time on Friday, October 7, 2022 will be opened and considered.** Bidders and any other interested individuals are invited to attend the bid opening.

## NOTICE OF BID OPENING PROCEDURES

All bids for **Heavy Equipment** will be opened and the name(s) of the bidders read aloud on the morning of the bid opening on Friday, **October 7, 2022 at 10:00 a.m.** at 2 North Jackson Street, Montgomery, AL. The specifics of each bid submitted will be compiled by the Association staff thereafter and will be available, **upon written or emailed request**, one week after the bid opening. Requests should be emailed to [jointbid@alabamacounties.org](mailto:jointbid@alabamacounties.org).

## THE INVITATION PACKAGE

The invitation package for each item to be bid includes: this invitation to bid, the written bid specifications for the particular item of heavy road equipment, and a Bid Submittal Form to be used in submitting a bid for that particular item. Bidders should verify that they have received all pages of the invitation package. If there are any omissions, the bidder should contact Kenya Howard in the Association office by mail, fax, or e-mail ([jointbid@alabamacounties.org](mailto:jointbid@alabamacounties.org)) to request missing pages. It is the responsibility of the bidder to make this request in sufficient time to prepare and submit the bid in time for the bid opening. Bidders should carefully read and comply with all parts of the invitation package, including all attachments and/or any addendum.



## **PREPARING AND SUBMITTING BIDS**

All bids must be typed or hand written in ink on the attached Bid Submittal Form. **The completed Bid Submittal Form shall be placed in front of and separated from all other documents included in the bid packet, such that it will be the first document viewed upon opening the bid packet.**

Bids submitted in pencil and bids not submitted on the Bid Submittal Form will **not** be considered. All bids shall include a current catalog or model specification document for the equipment model number being offered for consideration. Bids submitted without such documentation will **not** be considered. Only information contained on the attached Bid Submittal Form and in the model specification document will be considered in evaluating bids.

Each separate requirement in the bid specification includes a block for indicating whether or not the item bid meets the specification. The bidder shall indicate compliance with each requirement by checking "Yes" or "No" in the block to the right of each bid specification. In addition, the bidder shall indicate the page number in the supplied manufacturer's equipment literature on which compliance with the specification can be verified. Failure to complete this portion of the bid form may result in the subject bid not being considered.

Each bid for one of the heavy equipment items included in the bid package must be submitted on the Bid Submittal Form for that item and forwarded in a separate envelope with the bid item and item number clearly identified on the outside of the envelope. Envelopes containing a "no bid" shall also include the words "NO BID" on the outside of the envelope. Facsimiles and e-mails will not be accepted. Bids submitted by "Express/Overnight" services must be in a separate inner envelope or package sealed and identified as stated above. All bids must be received in the Association office prior to the bid opening. Bids received after the deadline will be returned unopened.

The County Joint Bid Program reserves the right to require a performance bond from successful bidders as permitted under Alabama law. However, **no bid bond is required for this bid offering.**

All bids should be mailed or hand-delivered to:

**ATTN: Joint Bid Program  
Association of County Commissions of Alabama  
2 North Jackson Street, FL 7, Montgomery, Alabama 36104 (Physical Address)  
P.O. Box 5040, Montgomery, Alabama 36103 (Mailing Address)**

## **BID SPECIFICATIONS**

Please note that each piece of heavy equipment available for bid may include several different sizes and categories of machines. You should read each set of specifications very carefully as the differences vary depending upon the piece and size of equipment.

The award will be based on the total cost of the **Standard Machine** bid by the lowest responsible bidder. Each Bid shall include a **Manufacturer's Suggested Retail Price Sheet (MSRP)** for each machine bid. The percent difference between the Manufacturer's Suggested Retail Price (MSRP) for the standard machine as specified by these bid specifications and the actual price bid by the vendor will be calculated and that percentage discount shall be applied to any options an individual county may choose to add to the machine.

Once the bids have been awarded, any county participant purchasing under this program may, at its discretion, add any of the vendor's available options at the same discount off the Manufacturer's Suggested Retail Price Sheet as was applied to the Standard Machine Price Bid.

Any use of specific names and/or model numbers in the attached specifications is not intended to restrict the bidder or any seller or manufacturer, but is included solely for the purpose of indicating the type, size, and quality of materials, product services, or equipment considered best adapted to the use of the counties participating in the joint bid program.

## **ACQUISITION AND FINANCING OPTIONS**

The awarded Vendor will provide the equipment, including any options required by the purchaser, at the awarded price as contracted through the Joint Bid Program. The purchaser may secure its own financing to acquire the equipment or execute any financial options available under Alabama law with the awarded Vendor in order to acquire the equipment.

## **BIDDER QUALIFICATIONS**

All bidders and all program participants must be in compliance with any applicable federal, state, county and municipal laws, regulations, resolutions and ordinances, including but not limited to, licensing, permitting, and taxation requirements. All bidders should be prepared to submit evidence or documentation as proof that they are properly licensed and permitted under any applicable laws upon request. Such evidence or documentation may be submitted with the bid. Additionally, all bidders shall provide proof that they are in compliance with the e-verify requirements of Alabama's Immigration Law (Ala. Code § 31-13-1 et seq., as amended by Act No. 2012-491).

## **BID AWARD**

The Houston County Commission will serve as the awarding authority for all bids and will award all contracts at a regular meeting of the Houston County Commission. Any and all bids submitted in compliance with this invitation to bid shall be considered, and award will be made to the lowest responsible bidder meeting bid specifications as determined by the awarding authority in compliance with Alabama law. All bids will be reviewed and evaluated by a committee created for that purpose, which committee will make comments and recommendations to the awarding authority regarding the award. All factors contained in each invitation package will be evaluated in determining the successful bidder, and any omissions of the stated requirements may be cause for rejection of the bid submitted. The awarding authority reserves the right to reject any and all bids, to waive any informality in bids, and to accept in whole or in part such bid or bids solely at its discretion.



The contract period will be one year with an option to renew for a second and third year under identical price, terms, and conditions upon the mutual consent of the vendor and the awarding authority. Any renewal contract shall be approved in writing by the vendor and the awarding authority no later than 90 days prior to the expiration of the existing contract.

### **CONTACT REGARDING BIDS AND INVITATION**

Contact initiated by a potential bidder with any county official, county employee, or member of the Association staff shall only be as specifically set out in this Invitation to Bid. Any questions related to the bid or the County Joint Bid Program shall be directed to Association staff in writing under the procedures set out in this Invitation to Bid. Additionally, a bidder may contact the Association in writing to request an appointment to review bid specifications following the bid opening. **However, there shall be no communication with any county official or county employee regarding this bid between the date of this invitation and the date of bid award.** Any contact other than as set out here shall be deemed as an attempt to unduly influence the bid award, and shall be grounds for rejection of the bid submitted by the bidder initiating such other contact.

Any questions or problems related to downloading or obtaining copies of this Invitation to Bid should be directed to **Kenya Howard** at [jointbid@alabamacounties.org](mailto:jointbid@alabamacounties.org) or **334-263-7594**.

Any other questions or requests for additional information regarding this invitation or the bid specifications shall be submitted **in writing** no later than five (5) days prior to bid opening to:

**ATTN: Patrick McDougald**  
**Association of County Commissions of Alabama**  
**P.O. Box 5040**  
**Montgomery, Alabama 36104**

**OR**

**Patrick McDougald**  
**E-mail: [barbeng@bellsouth.net](mailto:barbeng@bellsouth.net)**



# BID SPECIFICATIONS FOR ASPHALT DISTRIBUTOR WITH CHASSIS

## GENERAL

These specifications shall be construed as the minimum acceptable standards for an **Asphalt Distributor with Chassis**. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine offered for bid shall include all standard manufacturer's equipment. The asphalt distributor with chassis must be a new current production model and shall meet all EPA and other applicable standards at the time of manufacturer.

The use of specific names and numbers in the specification is not intended to restrict the bidder or any seller or manufacturer, but is intended solely for the purpose of indicating the type, size and quality of equipment considered best adapted to the uses of counties participating in this joint bid.

## BID SUBMITTAL FORM

Each bidder must submit his or her bid on the Bid Submittal Form included in the Invitation to Bid package. All written warranties to be submitted shall be attached to the Bid Submittal Form.

## BID PRICE

The bid price shall include all destination charges, delivery charges, title fees, rebates, and all other applicable costs and refunds.

## MANUALS

Each unit shall be provided with one (1) copy of the operator's manual, one (1) copy of the repair manual and one (1) copy of the current parts manual. Units will not be accepted for delivery until the manuals as outlined above are received by the purchaser.

## REPLACEMENT PARTS AVAILABILITY

Parts must be available for 5 years or 7,500 hours of use for the piece of equipment bid. If replacement parts are not delivered within three (3) working days of an order being placed, the bidder will deliver an equivalent machine for the county to use at no cost to the county until such time as the parts are delivered to the county so it can affect repairs on its machine.

## WARRANTY

Bidders shall submit a copy of the manufacturer's standard warranty. Warranty shall include service response time of maximum of 36 hours within notification by county.

Yes  No

Page or Attachment No. attached

OPERATING CAPACITY

Unit shall have a tank capacity of 2000 gallons.

Yes  No   
Page # build sheet

TANK DESIGN

It is important that the Distributor be capable of returning all material in the spray bar, hand spray and distributing lines to the Distributor tank by means of pump suction. This function is to be accomplished without reversing the asphalt pump. Tank shall be bolstered and straddle mounted to allow for flexing of tank when heated.

Yes  No   
Page # 1  
Build sheet

Unit shall use volumetric metering with no bypass when spraying to ensure accuracy of application. Provision shall be made for easily draining the circulating system independently of the tank and for flushing circulating system and pump with not more than three (3) quarts of fuel oil so as not to dilute tank contents.

Yes  No   
Page # 1  
Build sheet

Material: Shell to be 10-gauge steel. Tanks to have 10-gauge steel heads, deep dished and flanged, welded to tank shell both inside and outside for strength and durability.

Yes  No   
Page # 1  
Build sheet

Surge Plate: Tank to be supported with full section surge plate, deep dished and flanged, constructed of 10-gauge steel. To be spaced to provide adequate tank strength and proper surge control. Openings shall be provided in the surge plates for the free flow of material to the pump and large enough for a man to crawl through.

Yes  No   
Page # 1  
Build sheet

Manhole: 20" inside diameter manhole with quick-opening cover.

Yes  No   
Page # 1  
Build sheet

Overflow: 3" diameter overflow, extending at least 6 inches above the liquid, and draining internally only through the bottom of the tank in such a location as to clear all chassis members. Tank overflow design that drains asphalt material into the spill collar around manhole is not acceptable.

Yes  No   
Page # 1  
Build sheet

Tank design and construction to meet all applicable Federal Cargo Tank Regulations 49 CFR 173.247 and including DOT-406, HM-183, HM-198A, with consideration for hot asphalt products. Must have ASME tank approval number to assure that federal cargo tank regulations can be met.

Yes  No

Page # 1

**POWER UNIT**

Type: Hydrostatic transmission, consisting of Infinitely variable displacement pump with a minimum displacement of 3.1 cubic inches per revolution, axial piston type. Electronic stroker control.

Yes  No   
Page # 1

Controls: Electronic micro-control of hydrostatic transmission for setting asphalt pump discharge rate shall be located in truck cab. Control to permit stopping the variable pump discharge without disconnecting the drive and be equipped with an override of the micro-control which shall allow increases in asphalt pump output for filling, sucking back, etc., without affecting application rate setting. Override control shall be located at rear of unit.

Yes  No   
Page # 2

**BITUMEN PUMP**

Type: Positive displacement rotary gear type. 4 1/2" suction x 4" discharge.

Yes  No   
Page # 2

Location: To be located below the bottom level of the tank so that the material will flow vertically from the suction to the discharge ensuring complete drainage when tank contents valve is closed.

Yes  No   
Page # 2

Capacity: Minimum of 400 gallons per minute.

Yes  No   
Page # 2

Self-Flushing line from fuel tank or heating system to fill line. Includes minimum 20 gallon capacity fuel tank with float level gauge. Located away from burners for safe operation.

Yes  No   
Page # 2



HEATING SYSTEM

Flues: (2) with (LPG) liquid petroleum gas burner, with minimum of 1,000,000 BTU per hour per burner capacity. With pressure regulator, valves, piping, and 52-gallon frame mounted tank to be furnished.

Yes  No   
Page # 2

SPRAY BAR

Full circulating 16 feet in length, hinged to permit folding for traveling. Length of bar in folded position not to exceed 8 feet.

Yes  No   
Page # 2

Positive circulation from one end of the bar to the other end, regardless of bar length or asphalt pump rate.

Yes  No   
Page # 2

To consist of 8' center section with (2) folding wing sections with electric-air on-off in 1' increments, cab controlled and an electric-hydraulic spray bar shifting, lifting and wing folding, cab controlled.

Yes  No   
Page # 2

Nozzles to be spaced on 4" centers on spray bar and shall have an individual valve for each spray Nozzle and capable of .18 to .45 gallons per sq. yard application rates. Each nozzle valve to have flip lever control so spray width can be adjusted, and allows individual valves to be disconnected without the use of tools or pulling pins. Right and left side wings (bar extensions) to relieve fore and aft. Pin replacement required when bar relieves.

Yes  No   
Page # 2

Bar to adjust for positive or negative crown and also adjustment for pitch of bar to aim nozzle valves rearward. Sections to be interchangeable, right or left side.

Yes  No   
Page # 2

AIR CONTROLS

Distributor shall be equipped with air controls. Air for the controls shall be obtained from the air system on the truck chassis. The Distributor air system shall include its own air reservoir (using of truck chassis reservoir not acceptable) with check valve set at 80 pounds to prevent loss of air on truck chassis brakes in case lines are ruptured. System shall have its own airline oiling device and controls shall be electric, located in cab convenient to operator.

Yes  No   
Page # 2

All air solenoid valves and hydraulic solenoid valves are to be mounted to be accessible and serviceable from the ground without climbing on the machine.

Yes  No   
Page # 2

### CONTROLS / INSTRUMENTATION

Computer with in-cab operator controls which include a computer-controlled switches for ten (minimum) preset application rates. Distance/volume reset switch. Application rate adjustment switch. Display select switch. System control of 4-way asphalt valve. Radar type sensor to pick up ground speed. In-cab instrumentation will include the following information on self-illuminated display(s) to include:

Yes  No   
Page # 2

Truck travel speed feet/minute or meters/minute.

Yes  No   
Page # 2

Application rate in gallons/square yard or liters/square yard.

Yes  No   
Page # 2

Pump rate in gallons/minute or liters/minute.

Yes  No   
Page # 3

Resettable distance sprayed in feet or meters.

Yes  No   
Page # 3

Resettable volume sprayed in gallons or liters.

Yes  No   
Page # 3

Low tank level warning.

Yes  No   
Page # 3

Warnings that travel speed and/or applications rate are beyond system capability.

Yes  No   
Page # 3

MISC

Dial Thermometer, 2", power wash down system including electric fuel pump, 15' hose with gun, wet storage box with drain plug & hinged lid, additional display in rear control box, 12' x 3" steel fill hose. (450 Deg) or 12' x 3" rubber fill hose (350 Deg), L.E.D. Lights, Sealed system, 3" cam lock fittings, wet storage box with drain plug and hinged lid and strobe light mounted on each corner.

Yes  No   
Page # 3, 4

CHASSIS

Chassis shall be 2020 or newer with a GVW of 33,000 lbs. with min. 21,000 lb. rear axle

Yes  No   
Page # 2  
*Chassis Specs*

Engine Shall be at least 280 hp. with VGT exhaust brake

Yes  No   
Page # 2

Frame shall be at least 10-5/8 steel rails

Yes  No   
Page # 2

Fuel tank shall be at least 70 gallons

Yes  No   
Page # 6

Shall have power steering

Yes  No   
Page # 4

Tires shall be 11R22.5 14 ply rating

Yes  No   
Page # 2

Transmission shall be Allison 3500 RDS 6 speed automatic shift with a Fuller AT-1202 auxiliary transmission.

Yes  No   
Page # 2

Air conditioning shall be Standard

Yes  No   
Page # 7

**Shall have the following:**

Heated mirrors

Yes  No   
Page # 7

LED Marker lights

Yes  No   
Page # 5

Bendix air dryer

Yes  No   
Page # 3



Tilting and Telescoping steering

Yes  No   
Page # 4

Engine protection shut down

Yes  No   
Page # 4

Battery disconnect switch

Yes  No   
Page # 4

Power door locks and windows.

Yes  No   
Page # 7



ESTABLISHED 1898  
INCORPORATED 1917

**E. D. ETNYRE & CO.,** Oregon, Illinois 61061-9778

1333 South Daysville Road • Phone 815/732-2116  
Fax: Main Office 815-732-4277, Sales & Service 815-732-7400  
Web Site: [www.etnyre.com](http://www.etnyre.com) • E Mail: [sales@etnyre.com](mailto:sales@etnyre.com)

## WARRANTY

E. D. Etnyre & Co. warrants to the original Purchaser, it's new product to be free from defects in material and workmanship for a period of twelve (12) months after date of delivery to original Purchaser. The obligation of the Company is limited to repairing or replacing any defective part returned to the Company and will not be responsible for consequential damages or any further loss by reason of such defect.

The company excludes all implied warranties of merchantability and fitness for a particular purpose. There are no warranties, express or implied, which extend beyond the description of the goods contained in this contract.

This warranty does not obligate the Company to bear the cost of machine transportation in connection with the replacement or repair of defective parts, nor does it guarantee repair or replacement of any parts on which unauthorized repairs or alterations have been made or for components not manufactured by the Company except to the extent of the warranty given by the original Manufacturer.

This warranty does not apply to:

- (1) Normal startup services, normal maintenance services or adjustments usually performed by the selling dealer, factory service representative or customer personnel.
- (2) Any product manufactured by E. D. Etnyre & Co. purchased or subjected to rental use.
- (3) Any product or part thereof which shows improper operation, improper maintenance, abuse, neglect, damage or modification after shipment from factory.
- (4) Any product or part thereof damaged or lost in shipment. Inspection for damage should be made before acceptance or signing any delivery documents releasing responsibility of the delivering carrier.

This warranty and foregoing obligations are in lieu of all other obligations and liabilities including negligence and all warranties of merchantability or otherwise, express or implied in fact or by law.

**As part of the agreement in the specifications, Cowin Equipment commits to a maximum response time of 36 hours once we are notified of a warrantible repair.**

Series: DISTRIBUTOR

Item	Description	Qty	MSRP
MODEL	CENTENNIAL	1	0
TANK SIZE	2,000 GALLONS	1	140812
TANK CODE	MEETS DOT 49CFR173.247	1	0
FIBERGLASS INSULATION 2"	.040" ALUMINUM JACKETING	1	0
MANHOLE 20" WITH INTERNAL OVERFLOW	NON-RELIEVING	1	0
SAMPLE VALVE	LOCATED IN REAR HEAD	1	0
LADDER	WALKWAY TO MANHOLE	1	0
TANK GAUGE	FRONT AND REAR, 50 GALLON INCREMENTS	1	0
THERMOMETER	2" DIAL	1	0
CIRCULATION SYSTEM	400 GPM PUMP	1	0
VALVES/CONTROLS	4-WAY ASPHALT VALVE AND SUCKBACK VALVES (WITH TOUCH PAD IN BOX AT REAR)	1	0
SELF FLUSHING SYSTEM	INCLUDES FUEL OIL TANK AND LINE	1	0
POWER WASHDOWN SYSTEM	W/ HOSE & WAND	1	600
SPRAY BAR - CAB CONTROL	12' BAR, 1' ON/OFF CONTROL (P/N 3351009 NOZZLES)	1	0
SPRAY BAR EXTENSIONS	1' W/ELECTRIC-AIR ON/OFF (16' TOTAL BAR LENGTH)	4	520
SPRAY BAR - CAB CONTROL	POWER SHIFT, LIFT AND WING FOLD	1	0
POWERED BAR LATCH	CONTROL AT FRONT & REAR	1	0
HYDROSTATIC DRIVE	PTO OFF TRANSMISSION, INCLUDES SINGLE SPEED HYDRAULIC MOTOR	1	700
CONTROLS/INSTRUMENTATION	TOUCH SCREEN CONTROLS IN FRONT AND REAR CONTROL BOXES	1	0
TOOL BOX	SIDE OPENING WITH FLUSH-TYPE LOCK	1	0
HEATING SYSTEM	(2) FLUES, (2) BURNERS WITH DIGITAL TEMPERATURE READOUT, THERMOSTATICALLY CONTROLLED SHUT DOWN, OUTFIRE PROTECTION, TRAVEL LOCK OUT	1	0
HEATING SYSTEM	(2) FLUES, (2) LPG BURNERS W/ FRAME MTD TANK	1	10
PAINT	ALL STEEL PARTS BLACK	1	0
HANDSPRAY ASSEMBLY	WITH 25' RUBBER HOSE	1	0
L.E.D. STROBE LIGHTS	FOUR CORNER MOUNT	1	600
3" CAMLOCK FITTINGS	TO CONNECT LOAD HOSE TO FILL LINE	1	250
12' X 3" ULTRA-FLEX STEEL FILL HOSE	W/ 3" MALE THREAD EACH END	1	650
WET STORAGE BOX	W/HINGED COVER & DRAIN PLUG	1	300
LIGHTING SYSTEM	L.E.D. SEALED	1	0
ONE SET MANUALS	OPERATION, MAINTENANCE, SAFETY & PARTS	1	0
Chassis	Chassis	1	149691
			294133





John Edwards  
Governmental Sales Manager  
jedwards@cowin.com  
850-685-7055

**ETNYRE**

# **BLACK-TOPPER®**

## **Asphalt Distributor**





# Setting the Standard



- Improved control and less maintenance. Electronic asphalt pump speed control provides superior dependability and more precise control than manual systems.
- The application rate is automatically maintained even with variations in truck speed at any spray width.
- One person operation. All spraying functions can be controlled from the truck cab.
- Duplicate controls for stationary functions are located at the rear of the distributor.
- Application is precise. There is no by-pass valve in the circulating system. Material that goes through the pump goes through the spray nozzles.
- Spray bar is fully balanced when spraying for unbeatable accuracy.
- Balanced, dual feed asphalt flow while spraying insures uniform application across the full bar.
- Custom built tank sizes.
- Designed to meet federal regulations for hot products.



# Clean, uncomplicated design exclusive to Etnyre

Dished and flanged surge plates and heads are double welded to tank shell for extra strength and durability. Full box saddle type bolsters evenly distribute stresses and allow for thermal expansion.

Proven Etnyre 400 G.P.M asphalt pump designed and built by Etnyre specifically for handling asphalt and asphalt emulsions.

Change spray width from the cab. An available spray bar control package features individual cab controls for each one foot section of spray bar.

Self flushing system cleans the entire compact, easy to clean circulating system with a minimum amount of flushing oil.

Fuel Oil or LPG Burners



Radar speed sensing provides precise measurement of ground speed and distance.

Better circulation, faster heating, faster starts and improved handling of special asphalts with Etnyre's large cross-section, "obstructionless" spray bar. Tapered, self-draining valve design leaves no asphalt slug to clog the valve.

Exclusive Vacu-Flo suck back system clears asphalt from the lowest point in the system without reversing the asphalt pump or back flushing the suction screen.

Safe, solid and dependable all pipe circulating system delivers material efficiently to the spray bar. No flexible steel or rubber lines. Leak free, machined ball joints with O-ring seals allow freedom of movement and reduce maintenance.



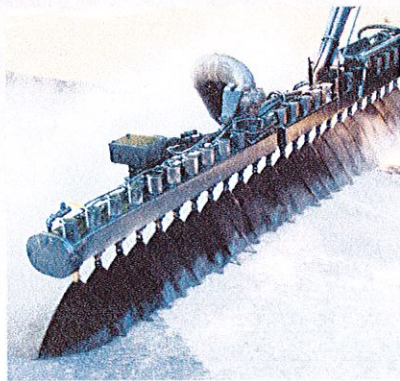
# Proven performance – unbeatable accuracy



The total package – capable and dependable, the Etnyre Centennial Series asphalt distributor is built to stay solidly on the job year after year.



**FULL  
CAB CONTROL**



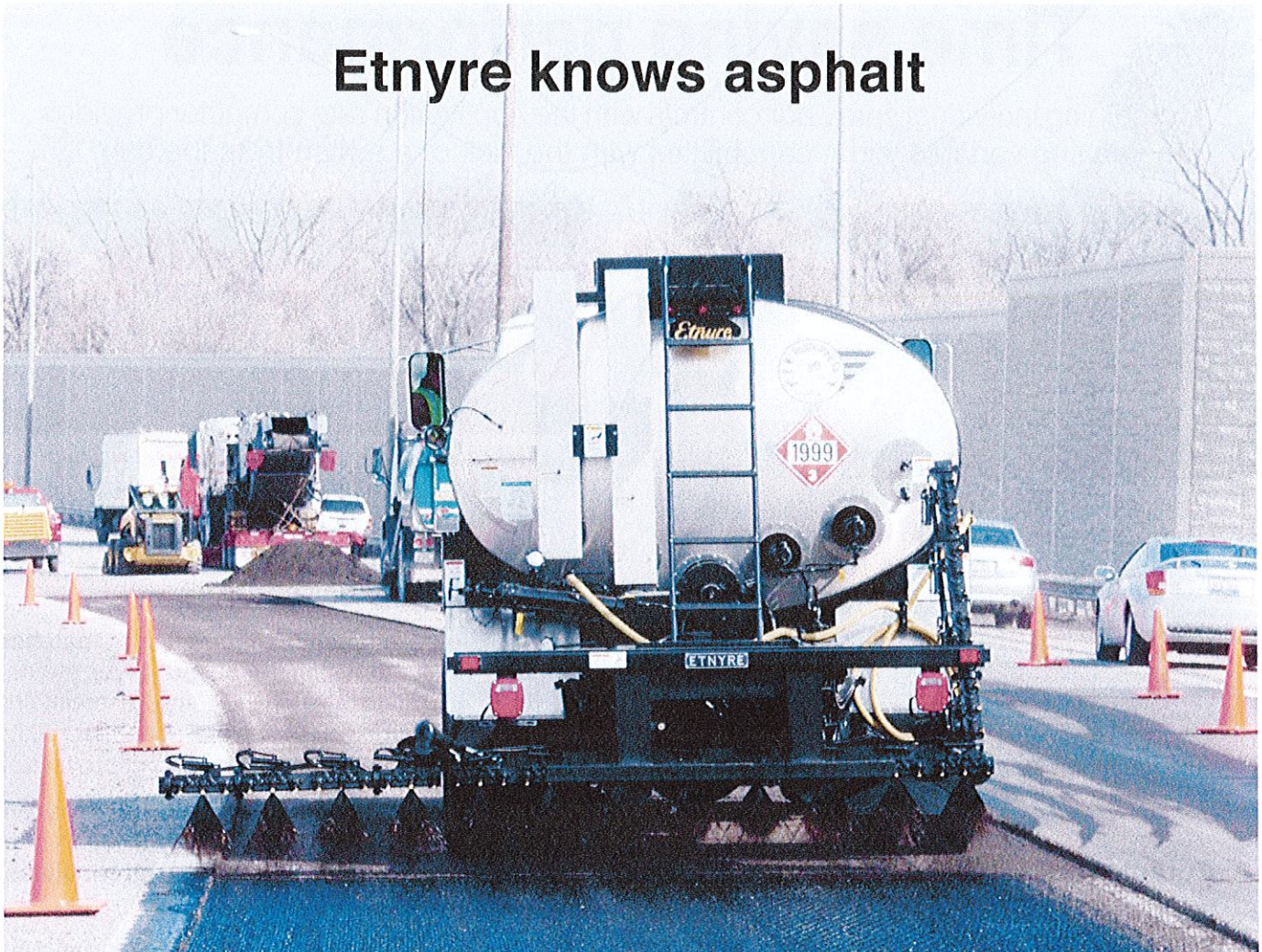
**SOLID PIPE  
CIRCULATING SYSTEM**



**FASTER HEATING  
FASTER STARTS**



# Etnyre knows asphalt



Established in 1898, we grew up with the industry. Etnyre dependability, innovation, and dedication to our customers earned our reputation as "standard of the industry".



**PRECISE  
CONTROL**



**SUPERIOR  
DEPENDABILITY**



**CUSTOM BUILT  
TANK SIZES**



# Time saving performance

Combining individual spray bar controls with the application rate computer provides time saving variable width capabilities with the flick of a switch from the cab.



Control panel with computerized application rate control and spray controlled in 1' increments.



Computer screen displays information simultaneously

## Automatically maintain the pre-set application rate

- Change speed and/or adjust spray width using control panel switches and the control automatically maintains the pre-set application rate.
- A built-in self diagnostic program monitors the control circuits.



Rear control panel (shown with optional display).

## Productivity is maximized with computerized application rate and in-cab spray bar controls

- The Etnyre computer automatically matches pump output to distributor speed. Enter the desired application rate and the computer maintains that rate regardless of distributor speed, bar width or transmission gear changes during operation.
- No switching between displays for information. The computer screen displays application rate, gallons per minute and feet traveled simultaneously on one screen.
- Store ten different application rates in memory and recall them with the push of a button.
- The pumping rate can be adjusted for loading and circulating without changing the desired spray or application rates.



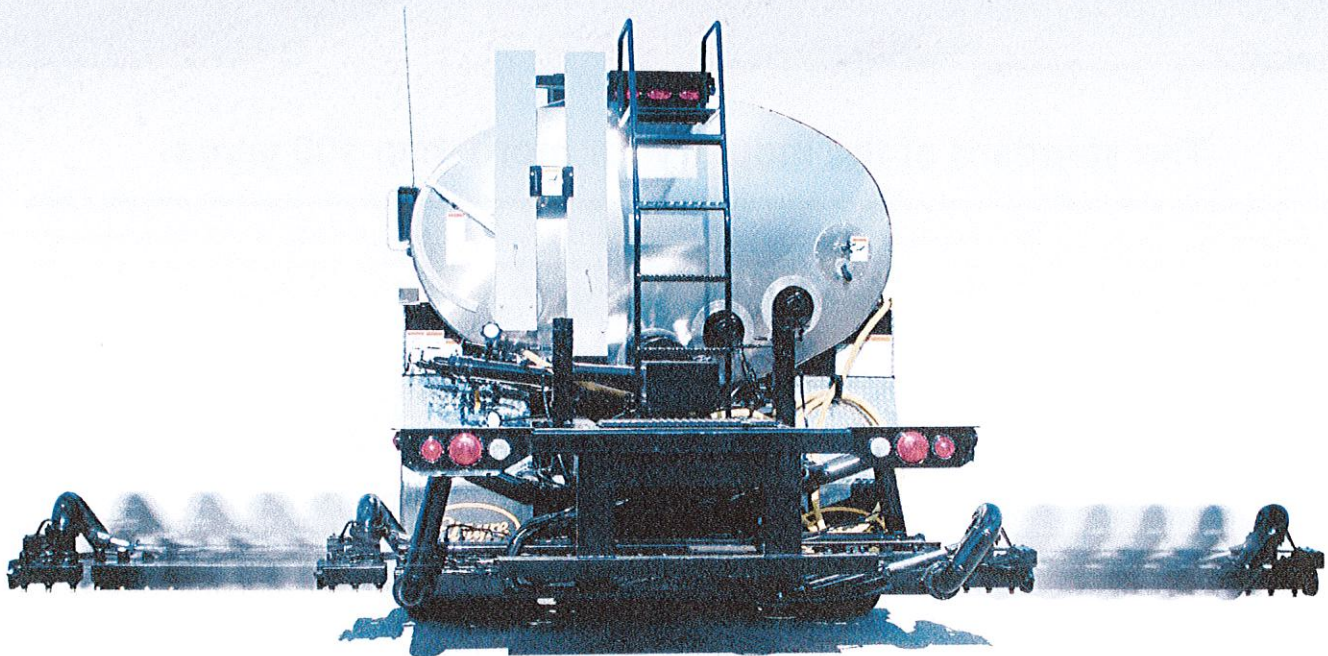


# Variable Width Sliding Spray Bar

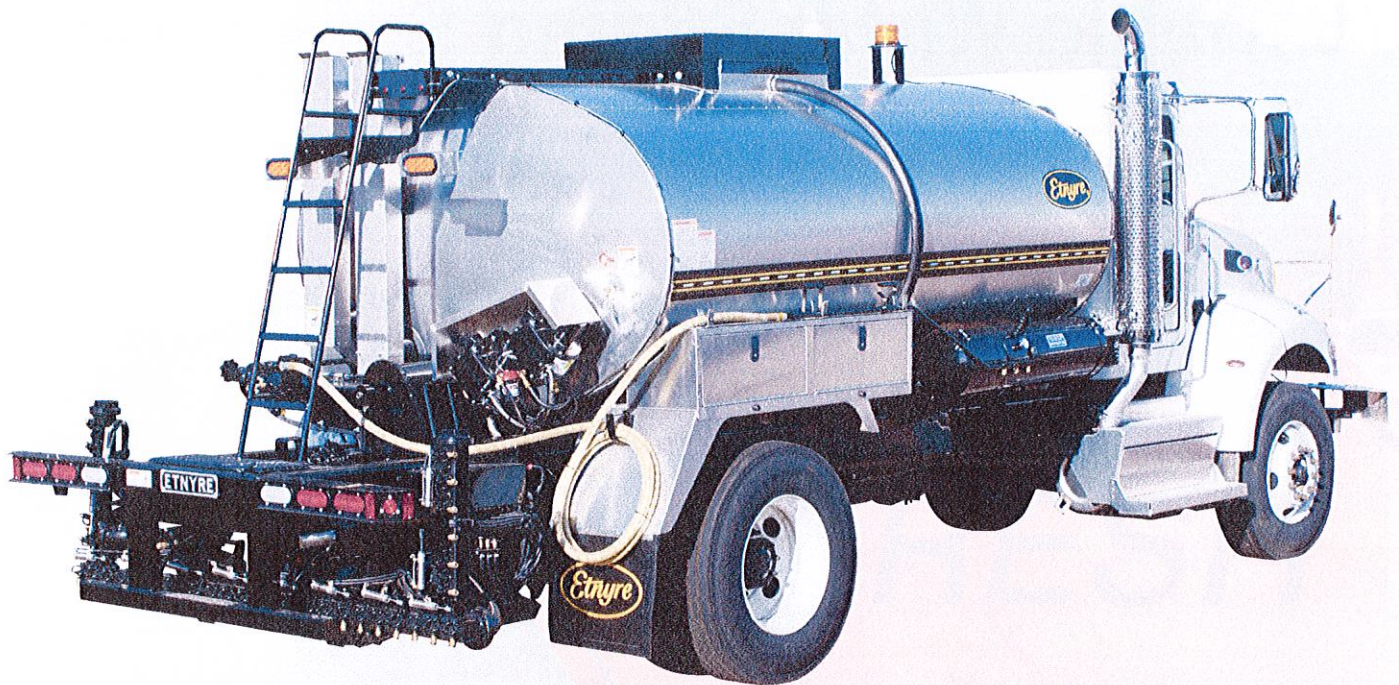
Available as optional equipment



- Cab control.
- Infinitely variable bar widths.
- 4" width controls.
- No excess bar beyond shot width.
- Solid pipe ... no flexible asphalt hoses.
- Side shift capabilities.
- Up to 24' wide shots. Available in 18' or 24' configurations.







**The standard of the industry for more than 100 years.**

For additional information on the Etnyre Centennial series asphalt distributors, request the following information:

- A-101--- Black-Topper Centennial Features
- A-142--- Designing A Distributor Booklet
- V-101--- Etnyre Black-Toppers Video

Distributed By:

E. D. Etnyre & Co., whose policy is one of continuous improvement, reserves the right to change specifications without notice. Photos and illustrations contain standard and optional equipment.



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# **HV607 SBA**

Sales Proposal For:

**Cowin Equipment Company, Inc.**

Presented By:

**SOUTHLAND TRANSPORTATION GROUP**



**Prepared For:**

Cowin Equipment Company, Inc.  
 John Edwards  
 2238 Pinson Valley Pkwy.  
 Birmingham, AL 35217-2009  
 (205)841 - 6666  
 Reference ID: N/A

**Presented By:**

SOUTHLAND TRANSPORTATION GROUP  
 Tim Bagents  
 1563 MAXWELL BOULEVARD  
 MONTGOMERY AL 36104 -  
 (334)832-4102

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

**Model Profile**  
**2024 HV607 SBA (HV607)**

<b>AXLE CONFIG:</b>	4X2
<b>APPLICATION:</b>	Tar Spreader
<b>MISSION:</b>	Requested GVWR: 33000. Calc. GVWR: 33000. Calc. GCWR: 50000 Calc. Start / Grade Ability: 44.55% / 1.85% @ 55 MPH Calc. Geared Speed: 82.2 MPH
<b>DIMENSION:</b>	Wheelbase: 189.00, CA: 121.90, Axle to Frame: 100.00
<b>ENGINE, DIESEL:</b>	{Cummins B6.7 280} EPA 2021, 280HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 280 Peak HP (Max)
<b>TRANSMISSION, AUXILIARY:</b>	{Fuller AT-1202} 2-Speed with Air Shift Controls
<b>TRANSMISSION, AUTOMATIC:</b>	{Allison 3500 RDS} 6th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
<b>CLUTCH:</b>	Omit Item (Clutch & Control)
<b>AXLE, FRONT NON-DRIVING:</b>	{Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-lb Capacity
<b>AXLE, REAR, SINGLE:</b>	{Meritor MS-21-14X-4DFR} Single Reduction, 21,000-lb Capacity, R Wheel Ends Gear Ratio: 5.86
<b>CAB:</b>	Conventional, Day Cab
<b>TIRE, FRONT:</b>	(2) 11R22.5 Load Range G HSR2 (CONTINENTAL), 498 rev/mile, 75 MPH, All-Position
<b>TIRE, REAR:</b>	(4) 11R22.5 Load Range G HSR2 (CONTINENTAL), 498 rev/mile, 75 MPH, All-Position
<b>SUSPENSION, REAR, SINGLE:</b>	23,500-lb Capacity, Vari-Rate Springs
<b>PAINT:</b>	Cab schematic 100WL Location 1: 9219, Winter White (Std) Chassis schematic N/A

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
HV60700	Base Chassis, Model HV607 SBA with 189.00 Wheelbase, 121.90 CA, and 100.00 Axle to Frame.	6136/3644	9780
1570	TOW HOOK, FRONT (2) Frame Mounted	8/0	8
1ANA	AXLE CONFIGURATION {Navistar} 4x2	-160/-153	-313
	<u>Notes</u> : Pricing may change if axle configuration is changed.		
1CAJ	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.866" x 3.622" x 0.437" (276.0mm x 92.0mm x 11.1mm); 456.0" (11582mm) Maximum OAL	99/621	720
1LLA	BUMPER, FRONT Swept Back, Steel, Heavy Duty	0/0	0
1MEJ	FRAME, SPECIAL EFFECTS Dimple on Left and Right Top Flange of Frame Rail to Reference Rear Axle Centerline	0/0	0
1SAL	CROSSMEMBER, REAR, AF (1)	-5/25	20
1WGS	WHEELBASE RANGE 189" (480cm) Through and Including 256" (650cm)	271/-271	0
2ARW	AXLE, FRONT NON-DRIVING {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-lb Capacity	0/0	0
3ADC	SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 12,000-lb Capacity, with Shock Absorbers	0/0	0
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications	0/0	0
	<u>Includes</u> : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6		
4722	DRAIN VALVE {Bendix DV-2} Automatic, with Heater, for Air Tank	1/0	1
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System	0/0	0
4EBS	AIR DRYER {Bendix AD-9} with Heater	18/10	28
4EXP	BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqiIn	2/0	2
4EXU	BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 SqiIn Spring Brake	0/7	7
4GBM	BRAKE, PARKING Manual Push-Pull Pneumatic Parking Brake	0/0	0
4LAG	SLACK ADJUSTERS, FRONT {Gunite} Automatic	14/0	14
4LGG	SLACK ADJUSTERS, REAR {Gunite} Automatic	0/14	14
4SPA	AIR COMPRESSOR {Cummins} 18.7 CFM	0/0	0
4VCL	AIR TANK LOCATION (2) Mounted 25" Back of Cab, Outside Right Rail, with Ground Clearance	4/36	40
4VKC	AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab	14/7	21

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
4XDC	BRAKES, FRONT {Meritor 15X4 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 15" X 4", 13,200-lb Capacity	-70/0	-70
4XDR	BRAKES, REAR {Meritor 16.5X7 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle	0/52	52
5710	STEERING COLUMN Tilting and Telescoping	17/2	19
5CAW	STEERING WHEEL 4-Spoke; 18" Dia., Black	0/0	0
5PSA	STEERING GEAR {Sheppard M100} Power	0/0	0
6DGG	DRIVELINE SYSTEM {Dana Spicer} 1710, for 4x2/6x2	5/23	28
7BEV	AFTERTREATMENT COVER Steel, Black	11/2	13
7BLW	EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab	137/40	177
7SCP	ENGINE EXHAUST BRAKE for Cummins ISB/B6.7/ISL/L9 Engine with Variable Vane Turbo Charger	0/0	0
7WAZ	TAIL PIPE (1) Turnback Type	7/3	10
7WDM	EXHAUST HEIGHT 10'	17/11	28
7WDN	MUFFLER/TAIL PIPE GUARD (1) Aluminum	10/6	16
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment	0/0	0
	<u>Includes</u>		
	: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab		
	: HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel		
	: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever		
	: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light		
	: STARTER SWITCH Electric, Key Operated		
	: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector		
	: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature		
	: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever		
	: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted		
	: WIRING, CHASSIS Color Coded and Continuously Numbered		
8518	CIGAR LIGHTER Includes Ash Cup	1/0	1
8GXD	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount, with Remote Sense	0/0	0
8HAB	BODY BUILDER WIRING Back of Day Cab at Left Frame or Under Sleeper, Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/ Turn	2/0	2
8MSG	BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud	28/25	53
8RMH	BATTERY DISCONNECT SWITCH {Cole-Hersee 75920-06} 300 Amp, Disconnects Charging Circuits, Locks with Padlock, Battery Box Mounted	3/0	3
8RMV	SPEAKERS (2) 6.5" Dual Cone Mounted in Doors	5/0	5
8RPR	ANTENNA for Increased Roof Clearance Applications	1/0	1



<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
8RPT	RADIO AM/FM/WB/Clock/USB Input/Auxiliary Input	3/0	3
8THB	BACK-UP ALARM Electric, 102 dBA	0/3	3
8VAY	HORN, ELECTRIC Disc Style	0/0	0
8VUL	BATTERY BOX Steel, with Plastic Cover, 18" Wide, 2-4 Battery Capacity, Mounted Left Side Back of Cab	-34/11	-23
8WPH	CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade	0/0	0
8WTK	STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt, Less Thermal Over-Crank Protection	8/0	8
8WWJ	INDICATOR, LOW COOLANT LEVEL with Audible Alarm	0/0	0
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses	0/0	0
8XGT	TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender	0/0	0
8XHN	HORN, AIR Single Trumpet, Black, with Lanyard Pull Cord	3/0	3
8XNY	HEADLIGHTS Halogen	0/0	0
9AAB	LOGOS EXTERIOR Model Badges	0/0	0
9AAE	LOGOS EXTERIOR, ENGINE Badges	0/0	0
9HBM	GRILLE Stationary, Chrome	0/0	0
9WBC	FRONT END Tilting, Fiberglass, with Three Piece Construction, for WorkStar/HV	0/0	0
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100 <u>Includes</u> : PAINT SCHEMATIC ID LETTERS "WL"	0/0	0
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone	0/0	0
10AGB	COMMUNICATIONS MODULE Telematics Device with Over the Air Programming; Includes Five Year Data Plan and International 360	1/0	1
10SLV	PROMOTIONAL PACKAGE Government Silver Package	0/0	0
11001	CLUTCH Omit Item (Clutch & Control)	0/0	0
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection	0/0	0
12EMZ	VENDOR WARRANTY, ENGINE {Cummins} B6.7 Engine, 3-Year Unlimited Miles Standard Warranty	0/0	0
12ERK	ENGINE, DIESEL {Cummins B6.7 280} EPA 2021, 280HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 280 Peak HP (Max)	0/0	0
12THT	FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed <u>Includes</u> : FAN Nylon	0/0	0
12UWZ	RADIATOR Aluminum, Cross Flow, Front to Back System, 1228 SqIn, with 1167 SqIn Charge Air Cooler, Includes In-Tank Oil Cooler	23/-5	18



<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
	<u>Includes</u> : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber		
12VBC	AIR CLEANER Single Element	0/0	0
12VJB	EMISSION, CALENDAR YEAR {Cummins B6.7} EPA, OBD and GHG Certified for Calendar Year 2022	0/0	0
12VXV	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Mobile, Variable Speed; (Range 2 to 20 MPH) Mounted on Steering Wheel	2/0	2
12WZE	CARB IDLE COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations	0/0	0
12XBM	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls and Starter Lockout, with Ignition Switch Control, for Cummins B6.7 and L9 Engines	0/0	0
12XCS	CARB EMISSION WARR COMPLIANCE Federal, Does Not Comply with CARB Emission Warranty	0/0	0
13607	TRANSMISSION, AUXILIARY {Fuller AT-1202} 2-Speed with Air Shift Controls	294/68	362
13BDR	TRANSMISSION, AUTOMATIC {Allison 3500 RDS} 6th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway	0/0	0
13WET	TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission	1/0	1
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints	0/0	0
13WUC	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223	0/0	0
13WVV	NEUTRAL AT STOP Allison Transmission Shifts to Neutral When Service Brake is Depressed and Vehicle is at Stop; Remains in Neutral Until Service Brake is Released	0/0	0
13WYH	TRANSMISSION TCM LOCATION Located Inside Cab	0/0	0
13WYU	SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, Performance Programming	0/0	0
13XAM	PTO LOCATION Dual, Customer Intends to Install PTO at Left and/or Right Side of Transmission	0/0	0
14ANV	AXLE, REAR, SINGLE {Meritor MS-21-14X-4DFR} Single Reduction, 21,000-lb Capacity, R Wheel Ends . Gear Ratio: 5.86	0/17	17
14SAN	SUSPENSION, REAR, SINGLE 23,500-lb Capacity, Vari-Rate Springs	0/35	35
14SZB	SPRINGS, REAR AUXILIARY Multileaf, 4,500-lb Capacity	0/90	90
15LMS	FUEL/WATER SEPARATOR 12 VDC Electric Heater, Includes Pre-Heater, Includes Water-in-Fuel Sensor, Cummins Supplied on Engine	1/-1	0
15SGG	FUEL TANK Top Draw, Non-Polished Aluminum, D-Style, 19" Tank Depth, 70 US Gal (265L), Mounted Left Side, Under Cab	9/8	17
15WDG	DEF TANK 7 US Gal (26L) Capacity, Frame Mounted Outside Left Rail, Under Cab	0/0	0



<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
16030	CAB Conventional, Day Cab	0/0	0
16BAM	AIR CONDITIONER with Integral Heater and Defroster	56/0	56
16GED	GAUGE CLUSTER Base Level; English with English Electronic Speedometer	0/0	0
	<u>Includes</u> : GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display), Premium Level (5" LCD Color Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/ Refill for : GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure : WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure (Primary and Secondary)		
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	0/0	0
16JNT	SEAT, DRIVER {National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, with 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust	-14/-4	-18
16SMN	SEAT, PASSENGER {National} Non Suspension, High Back, Fixed Back, Integral Headrest, Vinyl	16/7	23
16SNS	MIRRORS (2) Aero Pedestal, Power Adjust, Heated, Black Heads and Arms, 6.5" x 14" Flat Glass, Includes 6.5" x 6" Convex Mirrors, for 102" Load Width	0/0	0
	<u>Notes</u> : Mirror Dimensions are Rounded to the Nearest 0.5"		
16VKB	CAB INTERIOR TRIM Classic, for Day Cab	0/0	0
	<u>Includes</u> : CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger : DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Overhead Console, Center Mounted : SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap		
16WJU	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	5/0	5
16WLS	FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood	0/0	0
16WSK	CAB REAR SUSPENSION Air Bag Type	0/0	0
16XJN	INSTRUMENT PANEL Flat Panel	0/0	0
16ZBT	ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab and Extended Cab	0/0	0
27DUW	WHEELS, FRONT {Accuride 51408} DISC; 22.5x8.25 Rims, Powder Coat Steel, 2-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs	-10/0	-10
28DUW	WHEELS, REAR {Accuride 51408} DUAL DISC; 22.5x8.25 Rims, Powder Coat Steel, 2-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs	0/-20	-20



<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
7372135415	(2) TIRE, FRONT 11R22.5 Load Range G HSR2 (CONTINENTAL), 498 rev/mile, 75 MPH, All-Position	0/0	0
7372135415	(4) TIRE, REAR 11R22.5 Load Range G HSR2 (CONTINENTAL), 498 rev/mile, 75 MPH, All-Position	0/0	0
<b>Services Section:</b>			
40128	WARRANTY Standard for HV507, HV50B, HV607 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2025A	0/0	0
<b>Total Component Weight:</b>		<b>6940/4313</b>	<b>11253</b>
<b>Body/Allied Equipment</b>	<b><u>Description</u></b>	<b><u>F/R Wt</u></b>	<b><u>Tot Wt</u></b>
<b>Code</b>			
<b>Goods Purchased</b>	<b><u>Description</u></b>	<b><u>F/R Wt</u></b>	<b><u>Tot Wt</u></b>
<b>Code</b>			
	Fire Extinguisher and Tri-Kit	0/0	0
<b>Total Goods Purchased:</b>		<b>0/0</b>	<b>0</b>

The weight calculations included in this proposal are an estimate of future vehicle weight. The actual weight as manufactured may be different from the estimated weight. Navistar, Inc. shall not be liable for any consequences resulting from any differences between the estimated weight of a vehicle and the actual weight.



**Proposal:** 4758 **Version:** 1 **Model:** HV607 SBA (HV607) **Axle Config:** 4X2 **Config Date:** 10/12/2022  
**Dealer:** SOUTHLAND TRANS GROUP (778944 001) **Application:** Far Spreader **Price Date:** 4/1/2022  
**Status:** Incomplete **GVWR:** 33000 **Customer Name:** Cowin Equipment Company, Inc.

[Show Advanced Options](#)

Selective List of Electronic Parameters by Groups							
Expand/Collapse All Feature and Parameter Groups*	Value	Req By**	Default	Min	Max	UOM	
<input type="checkbox"/> ENGINE, DIESEL	Feature: 0012ERK 1						
<input type="checkbox"/> <b>FUEL ECONOMY</b>							
<input type="checkbox"/> <b>VEHICLE SPEED LIMIT</b>							
<input type="checkbox"/> Edit <a href="#">Max Accelerator Vehicle Speed</a>	72		<input type="checkbox"/> Keep	25	72	MPH	
<input type="checkbox"/> Edit <a href="#">Road Speed Governor Upper Droop</a>	3		<input type="checkbox"/> Keep	0	3	MPH	
<input type="checkbox"/> Edit <a href="#">Road Speed Governor Lower Droop</a>	0		<input type="checkbox"/> Keep	0	3	MPH	
<input type="checkbox"/> Edit <a href="#">Driver Initiated Override (DIO)</a>	N, DISABLE FEATURE OR FUNCTION		<input type="checkbox"/> Keep			N/A	
<input type="checkbox"/> Edit <a href="#">DIO Maximum Road Speed Delta</a>	0		<input type="checkbox"/> Keep	0	0	MPH	
<input type="checkbox"/> Edit <a href="#">DIO Maximum Distance</a>	100		<input type="checkbox"/> Keep	0	150	MILES	
<input type="checkbox"/> Edit <a href="#">Max Engine Speed No Veh Speed Sensr</a>	2259		<input type="checkbox"/> Keep	1300	2600	RPM	
<input type="checkbox"/> <b>LOAD BASED SPEED CONTROL</b>							
<input type="checkbox"/> Edit <a href="#">LBSC Enable</a>	N, DISABLE FEATURE OR FUNCTION		<input type="checkbox"/> Keep			N/A	
<input type="checkbox"/> Edit <a href="#">LBSC - Engine Speed Breakpoint</a>	1800		<input type="checkbox"/> Keep	1400	2500	RPM	
<input type="checkbox"/> <b>GEAR DOWN PROTECTION</b>							
<input type="checkbox"/> Edit <a href="#">Gear Down Protection Enable</a>	N, DISABLE FEATURE OR FUNCTION		<input type="checkbox"/> Keep			N/A	
<input type="checkbox"/> Edit <a href="#">GDP - Heavy Load Vehicle Speed</a>	62		<input type="checkbox"/> Keep	20	72	MPH	
<input type="checkbox"/> Edit <a href="#">GDP - Light Load Vehicle Speed</a>	57		<input type="checkbox"/> Keep	30	62	MPH	
<input type="checkbox"/> <b>DRIVER REWARD</b>							
<input type="checkbox"/> Edit <a href="#">Driver Reward Enable</a>	N, DISABLE FEATURE OR FUNCTION		<input type="checkbox"/> Keep			N/A	
<input type="checkbox"/> Edit <a href="#">Driver Reward Mode</a>	0, ROAD SPEED GOVERNOR		<input type="checkbox"/> Keep			N/A	
<input type="checkbox"/> Edit <a href="#">Fuel Economy - Expected Level</a>	7.00		<input type="checkbox"/> Keep	0.00	7.00	MPG	
<input type="checkbox"/> Edit <a href="#">Fuel Economy - Good Level</a>	7.25		<input type="checkbox"/> Keep	7.00	10.00	MPG	
<input type="checkbox"/> Edit <a href="#">Fuel Economy - Best Level</a>	7.50		<input type="checkbox"/> Keep	7.25	49.70	MPG	
<input type="checkbox"/> Edit <a href="#">% Idle Time - Expected Level</a>	30		<input type="checkbox"/> Keep	20	100	%	
<input type="checkbox"/> Edit <a href="#">% Idle Time - Good Level</a>	20		<input type="checkbox"/> Keep	10	30	%	
<input type="checkbox"/> Edit <a href="#">% Idle Time - Best Level</a>	10		<input type="checkbox"/> Keep	0	20	%	
<input type="checkbox"/> Edit <a href="#">Speed Reward - Expected Level</a>	0		<input type="checkbox"/> Keep	-19	19	MPH	
<input type="checkbox"/> Edit <a href="#">Speed Reward - Good Level</a>	0		<input type="checkbox"/> Keep	-19	19	MPH	
<input type="checkbox"/> Edit <a href="#">Speed Reward - Best Level</a>	0		<input type="checkbox"/> Keep	-19	19	MPH	



[Speed Reward - Penalty Level](#) 0  Keep -19 19 MPH

**IDLE SPEED CONTROL**

[Idle Speed Adjustment Enable](#) Y, ENABLE FEATURE OR FUNCTION  Keep N/A

[Low Idle Speed](#) 750  Keep 700 900 RPM

**IDLE SHUTDOWN**

[Idle Shutdown Enable](#) N, DISABLE FEATURE OR FUNCTION  Keep N/A

[ISD Time Before Shutdown](#) 60.0  Keep 1.0 600.0 MIN

[ISD Percent Engine Loading](#) 100  Keep 0 100 %

[ISD In PTO](#) N, DISABLE FEATURE OR FUNCTION  Keep N/A

[ISD Manual Override](#) N, DISABLE FEATURE OR FUNCTION  Keep N/A

[ISD With Parking Brake Set](#) N, DISABLE FEATURE OR FUNCTION  Keep N/A

[ISD Ambient Temperature Override](#) N, DISABLE FEATURE OR FUNCTION  Keep N/A

[ISD Cold Ambient Air Temperature](#) 30  Keep -20 100 F

[ISD Intermediate Ambient Air Temp](#) 40  Keep 30 100 F

[ISD Hot Ambient Air Temperature](#) 81  Keep 40 100 F

[ISD Manual Override Inhibit Zone En](#) N, DISABLE FEATURE OR FUNCTION  Keep N/A

[ISD Hot Ambient Automatic Override](#) N, DISABLE FEATURE OR FUNCTION  Keep N/A

[ISD Engine Coolant Temp Threshold](#) 53  Keep 53 179 F

**DRIVER SATISFACTION**

**CRUISE CONTROL**

[Cruise Control Enable](#) Y, ENABLE FEATURE OR FUNCTION  Keep N/A

[CC Maximum Vehicle Speed](#) 72  Keep 30 72 MPH

[CC Save Set Speed](#) N, DISABLE FEATURE OR FUNCTION  Keep N/A

[CC Upper Droop](#) 3.0  Keep 0.0 3.0 MPH

[CC Lower Droop](#) 0.0  Keep 0.0 3.1 MPH

[CC Auto Resume](#) N, DISABLE FEATURE OR FUNCTION  Keep N/A

[CC Ovrspd Retard Activation Enable](#) N, DISABLE FEATURE OR FUNCTION  Keep N/A

[CC Overspeed for Max Retarder](#) 0.0  Keep 0.0 6.2 MPH

[CC Overspeed for Min Retarder](#) 0.0  Keep 0.0 0.0 MPH

[CC Engine Brake Swtch Bypass Enable](#) N, DISABLE FEATURE OR FUNCTION  Keep N/A

**ENGINE BRAKES**

[Retarder - Min Vehicle Speed](#) 0  Keep 0 30 MPH

[Retarder - Delay Time](#) 0.5  Keep 0.0 10.0 SEC

[Retarder - Service Brake Activation](#) N, DISABLE FEATURE OR FUNCTION  Keep N/A



VEHICLE SETUP

FAN CONTROL

[Engine Fan Min On Time For AC](#) 30  Keep 30 1000 SEC

ASSET UTILIZATION

MISC. OTHER

[Remote Accelerator Enable](#) N, DISABLE FEATURE OR FUNCTION  Keep N/A

[Remote Accelerator Mode](#) 1, REMOTE ACCELERATOR PEDAL OR LEVER WITH TRANS VERIFICATION  Keep N/A

PTO - ENGINE SPEED CONTROL

<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Enable</a>	Y, ENABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep	N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO In Cab Mode</a>	Y, ENABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep	N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Remote PTO Enable</a>	Y, ENABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep	N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Remote Station PTO Enable</a>	N, DISABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep	N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Max Engine Speed</a>	2600	<input type="checkbox"/> Keep	750 2800 RPM
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Min Engine Speed</a>	750	<input type="checkbox"/> Keep	750 1100 RPM
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Maximum Engine Load</a>	800	<input type="checkbox"/> Keep	0 1199 LB-FT
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Max Vehicle Speed</a>	2	<input type="checkbox"/> Keep	0 24 MPH
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Accelerator Override</a>	N, DISABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep	N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Accel Override Max Engine Speed</a>	2800	<input type="checkbox"/> Keep	2600 2800 RPM
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Clutch Override</a>	N, DISABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep	N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Service Brake Override</a>	Y, ENABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep	N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Parking Brake Interlock Mode</a>	0, PTO PRK BRK INT TYPE SET TO NONE	<input type="checkbox"/> Keep	N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Transmission Neutral Interlock</a>	N, DISABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep	N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Eng Spd Limit w/VSS Limit</a>	N, DISABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep	N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Ignore Vehicle Speed Sensor</a>	N, DISABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep	N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Resume Switch Speed</a>	950	<input type="checkbox"/> Keep	750 2600 RPM
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Set Switch Speed</a>	950	<input type="checkbox"/> Keep	750 2600 RPM
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Additional Switch Speed</a>	950	<input type="checkbox"/> Keep	750 2600 RPM
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">PTO Ramp Rate</a>	250	<input type="checkbox"/> Keep	100 2500 RPM/SEC
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Remote PTO Number of Speed Settings</a>	1	<input type="checkbox"/> Keep	1 5 N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Remote PTO Speed Setting 1</a>	950	<input type="checkbox"/> Keep	750 2600 RPM
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Remote PTO Speed Setting 2</a>	950	<input type="checkbox"/> Keep	750 2600 RPM
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Remote PTO Speed Setting 3</a>	950	<input type="checkbox"/> Keep	750 2600 RPM
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Remote PTO Speed Setting 4</a>	950	<input type="checkbox"/> Keep	750 2600 RPM



<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Remote PTO Speed Setting 5</a>	950	<input type="checkbox"/> Keep	750	2600	RPM
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Remote Station PTO Resume Sw Spd</a>	950	<input type="checkbox"/> Keep	750	2600	RPM
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Remote Station PTO Set Switch Speed</a>	950	<input type="checkbox"/> Keep	750	2600	RPM
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Remote Station PTO Addition Sw Spd</a>	950	<input type="checkbox"/> Keep	750	2600	RPM
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Transmission Driven PTO</a>	N, DISABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep			N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Transmission Driven PTO Type</a>	0, ENGINE DRIVEN STEADY LOAD	<input type="checkbox"/> Keep			N/A

**ASSET PROTECTION**

**POWERTRAIN PROTECTION**

<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Powertrain Protection Enable</a>	N, DISABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep			N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Max Torque Allow By Axle/Driveshaft</a>	23602	<input type="checkbox"/> Keep	0	36878	LB-FT
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Max Torque in Top Gear Range</a>	2995	<input type="checkbox"/> Keep	0	8851	LB-FT
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Max Torque in Int. Gear Range</a>	2995	<input type="checkbox"/> Keep	0	8851	LB-FT
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Max Torque in Low Gear Range</a>	2995	<input type="checkbox"/> Keep	0	8551	LB-FT
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Max Torque w/o Vehicle Speed</a>	1475	<input type="checkbox"/> Keep	0	1475	LB-FT
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Lowest Gear of Top Gear Range</a>	2.00	<input type="checkbox"/> Keep	0.13	3.00	N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Lowest Gear of Int. Gear Range</a>	3.00	<input type="checkbox"/> Keep	2.00	6.00	N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Lowest Gear of Low Gear Range</a>	6.00	<input type="checkbox"/> Keep	3.00	99.00	N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Engine Protection Shutdown</a>	Y, ENABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep			N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Engine Protection Restart Inhibit</a>	Y, ENABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep			N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Engine Prot Coolant Level Shutdown</a>	Y, ENABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep	USER N		N/A

**ASSET MANAGEMENT**

**VEHICLE SPEED**

<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Sudden Veh Speed Decel Threshold</a>	6.96	<input type="checkbox"/> Keep	0.06	12.42	MPH
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Trip Information Vehicle Ovrsped1</a>	79	<input type="checkbox"/> Keep	0	150	MPH
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Trip Information Vehicle Ovrsped2</a>	81	<input type="checkbox"/> Keep	0	150	MPH
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Veh Speed Sensor Anti Tamper Level</a>	1, HIGH LEVEL	<input type="checkbox"/> Keep			N/A

**MAINTENANCE MONITOR**

<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Maintenance Monitor Enable</a>	N, DISABLE FEATURE OR FUNCTION	<input type="checkbox"/> Keep			N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Maintenance Monitor Operating Mode</a>	0, MAINTENANCE MONITOR AUTOMATIC MODE OF OPERATION	<input type="checkbox"/> Keep			N/A
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Maintenance Monitor Alert Percent</a>	90	<input type="checkbox"/> Keep	0	100	%
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Maintenance Monitor Distance</a>	15000	<input type="checkbox"/> Keep	745	19914	MILES
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Maintenance Monitor Fuel</a>	2000	<input type="checkbox"/> Keep	500	2008	GALLONS
<input type="checkbox"/>	<input type="button" value="Edit"/>	<a href="#">Maintenance Monitor Time</a>	500	<input type="checkbox"/> Keep	1	600	HOURS



[Maintenance Monitor Interval Factor](#) 1.00  Keep 0.25 5.00 N/A

**PASSWORDS**

[Master Password](#) 000000  Keep N/A

[Adjustment Password](#) 000000  Keep N/A

[Reset Password](#) 000000  Keep N/A

**PREDICTIVE GEAR SHIFTING**

**PREDICTIVE GEAR SHIFTING**

[Predictive Gear Shifting](#) N, DISABLE FEATURE OR FUNCTION  Keep N/A



Series: CHIPSPREADER

Item	Description	Qty	MSRP
MODEL	FRONT WHEEL DRIVE	1	340575
SPREAD HOPPER	9'18" VARIABLE WITH INDIVIDUAL AIR GATES	1	70000
POWER UNIT	CUMMINS QSB DIESEL TIER V ENGINE (280 H.P.)	1	0
FUEL TANK	82 GALLONS WITH LOCKABLE FILLER CAP	1	0
RECEIVING HOPPER	INCLUDES HYDRAULIC FOLDING WINGS	1	0
DUAL SIDE OPERATOR STATION	MANUAL SHIFT CONSOLE SEAT ASSEMBLY	1	0
DRIVE SYSTEM	HYDROSTATIC	1	0
APPLICATION RATE COMPUTER	FOR AUTOMATIC RATE/SPEED CONTROL	1	0
CONVEYORS	(2) 24" BELTS W/AUTOMATIC ON-OFF & BELT SPEED CONTROL	1	0
AXLES	25,000# RATED	1	0
TIRES	(4)385/65R22.5-J TUBELESS RADIAL	1	0
FRONT FENDERS	QUARTER FENDERS	1	0
TRUCK HITCH	SELF-LOCKING "RAILROAD" TYPE W/ ELEC-HYD HEIGHT CONTROL & RELEASE.	1	0
WARNING SYSTEM	ENGINE (TEMP, OIL PRESS, FUEL) /HYDRAULIC OIL (TEMP)	1	0
LIGHT PACKAGE	HEADLIGHTS, STOP AND TAIL LIGHTS, TURN SIGNALS	1	0
HORN	ELECTRIC	1	0
ALARM BELL	BACK UP	1	0
TACHOMETER	ELECTRIC	1	0
HOURLMETER	ELECTRIC	1	0
PAINT	GOLDEN YELLOW	1	0

MSRP 410575