

# VEHICLE SPECIFICATIONS BELOW

YEAR:	2019/2020
APPLICATION:	Single Axle Dump Truck with Sander and Plow Gear
MISSION:	GVWR: 37,780 to 39,0000 Top Geared Speed 63 MPH
DIMENSION and Frame:	Wheelbase 184.00, CA: 102.78 Steel Frame 1/2x3.64x11-7/8, 120,000 psi yield Frame Rail Heat Treated Alloy Steel 10' Dump Body
ENGINE:	Diesel, 370 HP@ 2000 RPM 1250 lb-ft Torque @ 1400 RPM Emissions 2015 or Better 2200 RPM Governed Speed,350 Peak HP(MAX) Engine Brake Internal w/Switch Control Fan Drive ( Horton Drivemaster) Normally Closed Temperature Control Urea System with Min. 13 Gallon Tank Mounted Left side Under Cab Block heater , Engine 120 volt/1500 watt PTO Effects, Engine Front, Less PTO Snow Valve System for Air Inlet to Engine
FUEL:	80 Gallon Tank Mounted Left Side Under CAB Fuel/Water Separator with Heater Aluminum Round Style Tank
TRANSMISSION:	Allison 4000 RDS P, 5 Generation Controls 6- Speed with Double Overdrive; On/Off Highway Oil Level Sensor PTO Provision Push Button Controls
FRONT AXLE:	Non-Driving 20,000-lb Capacity Left front 9,500 Right front 10,500

REAR AXLE:	Single Reduction 26,000 - 28,000 -lb. Capacity Standard Track Driver Controlled Locking Differential Gear Ratio : 5.38
CAB:	Conventional Cab Trim Premium Steering Wheel Tilt Two Steps per Door on Cab Grab Handle Chrome, Towel Bar Type Mounted Exterior of Left Cab Entry Windshield Heated Single or Two Piece Cowl Lid Tray Console Overhead Driver's side High Back Air Seat with Arm Rest ( National 2000) Driver's Seat Belt Orange in Color Passenger seat High Stationary Mirrors Breakaway Type Heated Mirror Cab And Hood Mounted Mirrors Air Ride Cab (only) Suspension Interior Gray in Color Exterior Red in Color Power Windows, Door Locks Both Sides Air Conditioner With Integral Heater & Defroster HVAC System with cab filter Hood Hatch for Servicing with Plow Gear on.
FRONT BRAKES /	Dust Shields All Axles
REAR BRAKES:	Auto Slack Adjusters Antilock Brake System Full Vehicle Wheel Control System Air Compressor 13.2 CFM Capacity Air Tanks Mounted Inside Frame rails or Under Cab Front Brake Air Cam 16.5"x6", Include 24 Sq. In. Long Stroke Chamber Rear Brake Air CAM S-Cam 16.5"x7" , Include 30/30 Sq. In. Long Stoke Chamber and Spring Actuated Parking Brake Drain Valves Mounted in Wet Tanks Air Dryer with heater Air Trailer Brake Hook up in rear to include glad-hands
FRONT/SPARE TIRE:	Goodyear Tires (3) 12R22.5 G287 MSA , 482 rev/mile Load Range H, 16 PLY Accuride 22.5" Polished Aluminum Wheel

REAR TIRE: Goodyear Tires  
(4) 12R22.5 G287 MSA 482 rev/mile  
Load Range H, 16 PLY  
Accuride 22.5" Polished Aluminum Wheel

SUSPENSION: Rear Suspension Single Vari-Rate 31,000 lb. Capacity, includes 4,500 Capacity  
Multileaf Auxiliary  
Front Parabolic, taper leaf 20,000-lb Capacity  
Spring Pins Rubber Bushing Maintenance Free

ELECTRICAL SYSTEM: 12 Volt System  
Circuit Breakers Manual-Rest  
Alternator 12 Volt 185 AMP Capacity  
Chassis Wiring Numbered and Colored  
Electrical and Air Horns  
Trailer Brake Hook Up in rear of truck with ABS Plug in rear at end of Frame  
Radio in Cab AM/FM with Weather Band and Bluetooth  
IP Cluster Display, On Board Diagnostics Display of Fault Codes in Cluster  
Battery System 2190 CCA Total (3 Batteries)  
Backing Alarm Electrical 97 dB  
Auxiliary Harness Front for Plow Lights with Switch  
Body Builder Switch Panel ( Multiplex Wiring ), or approved equal  
Pre-Trip Light Test for Exterior Lights ( Switch )  
Windshield Wipers Single Electric Motor Cowl Mounted

PAINT: RED

OTHER : Triangle Kit  
5 lb. Fire Extinguisher  
Floor Mats  
Exterior Window Visors  
Shop Manuals: Electrical Engine, Electrical Cab, Mechanical Engine, Troubleshoot Electrical Cab  
Parts Manuals: Engine and Cab

BODY/ SANDER CONTROLS:      Cirus Control Spread Smart RX system for spreader system  
Air Controls in Cab for Driver for Gear  
Tail Gate Lock Driver Control in Cab, Three Coal Chute Doors  
Asphalt Tarp System with Spring Tarp, Driver Control in Cab  
Del Air Control Package of gear  
Air/Road Temperature System Tied into Cirus Control System

BODY / SANDER:      10' Dump Body Stainless Steel  
Floor 1/4" Hardox 450 Steel or 3/16"  
2-Way Dump Side Conveyor  
Front Lift Cylinder  
Side Lift Cylinders  
Conveyer Assembly 7 Gauge Type 304 Stainless Steel and run down the Driver's side of the Body.  
Grease Cylinder Adjustment for Conveyor Chain  
20" Poly Spreading Disc  
Load Sense Pump , Front Engine Mounted  
Light Package System  
Led Self Contained Strobes Mounted in Headboard Frt and Sides and Rear also  
Lower Rear Visible when body is up (Mini Vortex)  
Heavy Duty Pintle Plate  
Mudflaps front and rear of the rear axle  
Stainless Steel Ladder Left Rear Driver's side of the Body w/internal steps  
Stainless Steel Lines(ALL)  
Stainless Steel Shovel Holder  
Cab Shield 24" overhang  
Hydraulic Calcium(salt brine) Pump  
100+ Gallon Tank for Wet System Vented for Bottom Fill and to have Shut-off and Filter  
Tank for Hydraulic System and Valves Self Contained  
Rear bolt on Spreader Apron  
Tailgate to have three Coal Chute Doors  
40 Ton Pintle Hook Mounted to plate in rear  
Remote Grease Fitting

HITCH / WING SYSTEM:      Hitch for Frt Tilting Design  
Hitch shall be removable  
Double acting Cylinders for Plow Lift  
Front Wing Post actuated by Cylinder, No Cables  
Rear of Wing also actuated by Cylinder  
Shelving Cylinder for Rear of Wing  
Trip Block for Front of Wing  
All Hitch and Wing mounts gear shall be sandblasted, epoxy primed and painted Black

WING : 10' Wing with 10' Cutting Edge  
Wing punched 12" on center Top Punch  
Carbide and cover plate  
(2) Moldboard Shoes  
1 Curb Shoe at Rear of Wing  
Wing shall be sandblasted, epoxy primed and painted Orange

PLOW : Cutting Edge 11'  
Trip Edge Reversing Poly Plow  
Moldboard Height 42"  
Plow shall be Punched 12" on Center Top Punch  
Carbide and Cover Blades  
(2) Moldboard Shoes  
(2) Curb Shoes

OTHER: Body Manuals, Electrical, Gear and Hydraulics

Alternative Bids for: Cirus Drive by Download DCE . Truck  
mounted bridge and antenna installed and  
working with existing Base Station at Public  
Works.

# QUESTIONNAIRE

Truck Make:	Model:	Wheel Base:
Year :	GVW:	lbs.
Engine Make:		
Horse Power @ 2000 RPM :		
Engine Torque@ 1400 RPM:		
Engine:	Minimum of 370 HP	Yes No
	Diesel Engine ( town runs B5)	Yes No
	Block Heater (coolant)	Yes No
	Federal Emissions 2015 or Better	Yes No
	Electronic speed control governor	Yes No
	Hand control electronic throttle on Steering Wheel	Yes No
	Fan Drive Air Control	Yes No
	E.G.R Exhaust System	Yes No
	Urea System required	Yes No
	Low coolant level indicator and audible	Yes No
	Air inlet system for plowing snow	Yes No
	Engine Brake internal	Yes No
	P.T.O off front of engine	Yes No
	External Exhaust Brake	
Fuel:	80 Gallon	Yes No
	Aluminum	Yes No
	Round Style	Yes No
	Fuel/Water separator with Heater	Yes No
	Fuel Tank mount under cab	Yes No
Transmission:	Allison 4000 RDS P 6 Speed	Yes No
	P.T.O Provision	Yes No
	Double Overdrive	Yes No
	Sensor for oil level	Yes No
	Cooling: oil to water & oil to air	Yes No
	Push button controls for transmission	Yes No
	Programmable	Yes No
Cab:	Conventional	Yes No
	Outer Cab Material: double sided galvanized steel coated, primer dipped	Yes No
	Red Paint: multi layer urethane finish	Yes No
	Door allowed a 60 degree opening	Yes No
	Power Windows, door locks both sides	Yes No

Cab (cont.):	Interior color Gray	Yes	No
	Exterior color Red	Yes	No
	Air Conditioner with Integral Heater and Defroster	Yes	No
	Water type heater with defroster 40,000 BTU	Yes	No
	Air Ride Cab(only) Suspension System	Yes	No
	Hood Hatch for Servicing w/ Plow Gear On	Yes	No
	Seat Belts Orange in color	Yes	No
	Windshield Heated	Yes	No
	Cab Trim Premium	Yes	No
	Console over head	Yes	No
	Cab floor -through for body builder wiring	Yes	No
	Windshield Wipers Electric with Intermittent Feature	Yes	No
	Tilt and Telescoping Steering Wheel	Yes	No
	Heated mirrors breakaway type Cab/Hood	Yes	No
	Heated mirrors thermostatic controlled	Yes	No
	Driver's side air seat w/Arm Rest	Yes	No
Chassis:	Frame Reinforcement Outer "C" Channel	Yes	No
	Frame 120,000 psi yield	Yes	No
	Wheel Base 203.00"	Yes	No
	Cab to Axle 119.5"	Yes	No
	Frame Rail Heat Treated Alloy Steel	Yes	No
Front Axle:	I-beam type axle (Wide Track)	Yes	No
	20,000 lb. capacity	Yes	No
	Spring Parabolic, taper leaf 20,000 lb. capacity	Yes	No
	Front Hub oil lubed	Yes	No
	Hub Piloted wheels	Yes	No
	Rubber bushing on spring,maintenance free	Yes	No
	Dual Steering w/M100 and M80 Box	Yes	No
	Extra leaf spring on right front	Yes	No
Rear Axle:	Single Reduction, 28,000 capacity	Yes	No
	Ratio of 5.38	Yes	No
	Top speed of 63 MPH Electrical Governed	Yes	No
	Vari-Rate 30 ,000 Capacity	Yes	No
	4,500 Capacity Multileaf Auxiliary	Yes	No
	Hub Piloted wheels	Yes	No
	Driver Controlled Differential Lock	Yes	No

Brakes:	Air Dual System for Straight Truck Application	Yes	No
	4-channel ABS System	Yes	No
	Air Drier mounted on frame	Yes	No
	Drain Valve mounted in Wet tanks	Yes	No
	Front Brake rated for 20,000 frt axle	Yes	No
	Rear Brakes rated for 28,000 rear axle	Yes	No
	Air Compressor for a 13.2 CFM capacity System	Yes	No
	Air tanks mounted under cab	Yes	No
	Front and Rear Dust Shields for Brake System	Yes	No
	Automatic Slack Adjusters frt and rear	Yes	No
Electrical system:	12 Volt System	Yes	No
	Headlight Dimmer Switch integral with turn signal switch	Yes	No
	Circuit breakers manual reset( main panel)	Yes	No
	Starter Motor 12 volt, less Thermal Over-crank protection	Yes	No
	Battery system (3) 2190 CCA total	Yes	No
	Alternator 12 volt 200 Amp Capacity	Yes	No
	Battery Jump Stud	Yes	No
	Chassis Wiring colored and numbered	Yes	No
	Body Builder Wiring	Yes	No
	Backing Alarm 97 db.	Yes	No
	Auxiliary Harness for front plow application	Yes	No
	Body Builder Aux switch panel in dash	Yes	No
	Electrical horn and Air horns	Yes	No
	Radio in cab am/FM with weather band and Bluetooth system	Yes	No
	Battery box steel with Aluminum cover mounted right side of truck	Yes	No
	Starter switch electric, key operated	Yes	No
	IP Cluster display on Board Diagnostics display of fault codes in gauge cluster	Yes	No
	Convex mirrors mount on hood both sides Heated	Yes	No
	CB accommodation, CB antenna, wiring for power	Yes	No
	Air Brake System for Trailer and ABS Trailer Plug	Yes	No



Wheels and Tires:	Front tires 12R22.5 G287 MSA	Yes	No
	Rear tires 12R22.5 G287 MSA	Yes	No
	Front Tires 16 PLY	Yes	No
	Rear Tires 16 PLY	Yes	No
	Front Tires Load Range "H"	Yes	No
	Rear Tires Load Range "H"	Yes	No
	Spare Tire Mounted on Rim Steer	Yes	No
	Rims all Pilot Accuride 22.5 Polished	Yes	No
	Aluminum Wheels	Yes	No
	Hub Piloted rims	Yes	No
Exhaust System:	Vertical Tail Pipe with Turn out	Yes	No
	After treatment Device Tank Frame	Yes	No
	Mounted Outside Left Rail Behind Cab	Yes	No
	Exhaust Height 10" or more from ground	Yes	No
	Urea System	Yes	No
	Urea System Tank no more than 13 Gallons	Yes	No

Body Make:

Model:

#### Questionnaire Below

Plow Gear and Body:	11' Poly reversible plow	Yes	No
	10' Poly Wing, 24" nose has 30.50 discharge with Shelving Arm Rear Wing Post	Yes	No
	Calcium System	Yes	No
	Electrical Load Cover Tarp System Asphalt	Yes	No
	10' Dump Body stainless steel, Steel Floor	Yes	No
	Long Sills and Cross Members Stainless	Yes	No
	Floor 1/4" Hardox 450 Steel	Yes	No
	2-way Dump Side Conveyor	Yes	No
	Front lift cylinder	Yes	No
	Side tilt cylinders	Yes	No
	Load sense pump	Yes	No
	50:1 gear box includes built-in speed sensor	Yes	No
	Air controls for body and plows	Yes	No
	100 Gallon frt mount reservoir(wet)	Yes	No
	Stainless Steel lines	Yes	No
	Stainless Steel ladder Mounted Left Side Rear	Yes	No
	Stainless Steel shovel holder	Yes	No
	6.0 Cubic yards capacity	Yes	No
	Heavy duty plate 40 Ton mounted pintle hook and D-Rings	Yes	No
	Spread Smart hydraulic System	Yes	No

Plow Gear and

Body cont.:	Sides 27"	Yes	No
	Spreads Material front of driver rear tire	Yes	No
	Tail Gate Height no More than 36"	Yes	No
	Light System Package	Yes	No
	Town shall have the opportunity to inspect the assembly while In progress	Yes	No
	Electrical Wet System controlled by Plow System	Yes	No
	Three Coal chute doors in tailgate	Yes	No
	Rear bolt on spreader apron	Yes	No
	Asphalt Tarp system added spring arm	Yes	No

Warranty:	Truck	Yes	No
	Body and Gear	Yes	No

Manuals Truck and Body Parts and shop:	Engine Mechanical and Electronic	Yes	No
	Cab Parts and Engine Parts	Yes	No
	Electrical System Troubleshoot	Yes	No
	Electrical Systems Circuit Diagrams	Yes	No
	Body Gear System Parts	Yes	No
	Body Electrical and Hydraulic	Yes	No

Specify Extended Warranties:

Delivery Time:

Days :

Terms: