

TOWN OF FALMOUTH, MAINE

DEPARTMENT OF PUBLIC WORKS

SNOW PLOW TRUCK WITH DUMP BODY, PLOW GEAR, LIGHTING AND ALL CONTROLS

Note: Bids will not receive consideration unless the bidder answers all questions and returns the attached questionnaire and bidding form.

The list below may at time, be an abbreviation of the above specifications. Please answer yes if your bid meets the specifications listed below. You may write in any items you feel is an approved equal of the specified request. Please be specific with any changes.

VEHICLE SPECIFICATIONS BELOW

YEAR: 2015

APPLICATION: Single Axle Dump Truck with Sander and Plow Gear

MISSION: GVWR: 37,780 . Calc. GVWR: 37,780
Top Geared Speed 63 MPH

DIMENSION and Frame: Wheelbase 169.00, CA: 101.90, Axle to Frame: 63.00
Frame Reinforcement Outer "C" Channel Frame 120,000 psi yield
Frame Rail Heat Treated Alloy Steel
10' Dump Body

ENGINE: Diesel, 300 HP@ 2000 RPM
860 lb-ft Torque @ 1200 RPM
Emissions 2014 or Better
2200 RPM Governed Speed, 300 Peak HP(MAX)
Engine Brake Internal w/Switch Control
Fan Drive (Horton Drivemaster) Normally Closed Temperature Control
Urea System with Min. 7 Gallon Tank Mounted Left side Under Cab
Block heater , Engine 120 volt/1500 watt
PTO Effects, Engine Front, Less PTO

FUEL: 70 Gallon Tank
Mounted Left Side Under CAB
Fuel/Water Separator with Heater
Aluminum "D" Style Tank
19" Deep

TRANSMISSION: Allison 3000 RDS P, 5 Generation Controls
Overdrive
6- Speed with Double Overdrive; On/Off Highway
Oil Level Sensor
PTO Provision
Push Button Controls

FRONT AXLE: Non-Driving
Wide Track, I-Beam Type
18,000-lb Capacity

REAR AXLE: Single Reduction
26,000-lb Capacity
Standard Track
Driver Controlled Locking Differential
Gear Ratio : 6.14 (Geared Speed 63 MPH)

CAB: Conventional
Cab Trim Premium
Storage Pockets In Door Panels
Steering Wheel Tilt
Two Steps per Door on Cab
Grab Handle Chrome, Towel Bar Type Mounted Exterior of Left Cab Entry
Windshield Heated Single Piece
Cowl Lid Tray
Console Overhead
Driver's side High Back Air Seat with Arm Rest (National 2000)
Passenger seat High Stationary
Mirrors Breakaway Type
Heated Mirror Cab And Hood Mounted
Air Ride Cab (only) Suspension
Interior Gray
Exterior Red
Power Windows, Door Locks Both Sides
Air Conditioner With Integral Heater & Defroster
HVAC System with cab filter
Hood Hatch for Servicing

FRONT BRAKES / REAR BRAKES: Dust Shields All Axles
Auto Slack Adjusters
Bendix Antilock Brake System Full Vehicle Wheel Control System
Air Compressor 13.2 CFM Capacity
Air Tanks Mounted Under Cab Right Side
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 Bendix AD-IP with heater

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 18,000-lb Capacity
Spring Pins Rubber Bushing Maintenance Free
Passenger Side Front Auxiliary Air Bag , Driver Control

ELECTRICAL SYSTEM: 12 Volt System
Circuit Breakers Manual-Rest
Alternator 12 Volt 185 AMP Capacity
Chassis Wiring Numbered and Colored
Electrical and Air Horns
Electrical Trailer Brake Hook Up in rear of truck with Driver Control
Radio in Cab AM/FM with Weather Band and MP3 Hook-Up
IP Cluster Display, On Board Diagnostics Display of Fault Codes in Cluster
Battery System 2275 CCA Total (3 Batteries)
Backing Alarm Electrical 102 dBA
Body Builder Wiring Back of Cab on Left Frame
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
Fire Extinguisher
Exterior Window Visors
Shop Manuals: Electrical, Engine, Cab
Parts Manuals

BODY/ SANDER CONTROLS: Cirrus Control system for spreader system. Spreadsmart Rx with Drive By Access PT and Software and a Drive By Transmitter an option listed separate
Air Controls in Cab for Driver
Tail Gate Lock Driver Control in Cab, Three Coal Chute Doors
Asphalt Tarp System with Spring Trap, Driver Control in Cab
Del Air Control Package of gear
Air/Road Temperature System Tied into Cirrus Control System

BODY / SANDER: 10" Dump Body Stainless Steel
Long Sills and Crossmembers Type 304 Stainless
Floor 1/4" Hardox 450 Steel
2-Way Dump Side Conveyor
Bolt in Side Dump Hinges Type 304 Stainless Steel
Front Lift Cylinder
Side Lift Cylinders
Conveyer Assembly 7 Gauge Type 304 Stainless Steel and run down the Driver's side of the Body.

BODY / SANDER cont.' 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
Heavy Duty Pintle Plate and Hook 20 Ton
Sides 27"
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
40 Gallon Tank for Hydraulic System
Rear bolt on Spreader Apron
Tailgate to have three Coal Chute Doors
40 Ton Pintle Hook Mounted to plate in rear

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

QUESTIONNAIRE

Truck Make:	Model:	Wheel Base:
Year :	GVW:	lbs.

Engine Make:
Horse Power @ 2000 RPM :
Engine Torque@ 1200 RPM:

Engine:	Minimum of 300 HP	Yes	No
	Diesel Engine (town runs B5)	Yes	No
	Block Heater (coolant)	Yes	No
	Federal Emissions 2014 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
Fuel:	70 Gallon	Yes	No
	Aluminum	Yes	No
	"D" Style	Yes	No
	Fuel/Water separator with Heater	Yes	No
	Fuel Tank mount under cab	Yes	No
Transmission:	Allison 3000 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

Cab (cont.):	Power Windows, door locks both sides	Yes	No	
	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	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	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	
	18,000 lb. capacity	Yes	No	
	Spring Parabolic, taper leaf 18,000 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	
	Passenger side auxiliary air bag controlled from inside cab	Yes	No	
Rear Axle:	Single Reduction, 26,000 capacity	Yes	No	
	Ratio of 6.14	Yes	No	
	Top speed of 63 MPH	Yes	No	
	Vari-Rate 31 ,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 18,000 frt axle	Yes	No
	Rear Brakes rated for 26,000 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) 2775 CCA total	Yes	No
	Alternator 12 volt 185 Amp Capacity	Yes	No
	Battery Jump Stud	Yes	No
	Chassis Wiring colored and numbered	Yes	No
	Body Builder Wiring	Yes	No
	Backing Alarm 102 dba	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 mp3 hook-up 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
	Electrical Trailer Brake hook up in rear of truck with RV plug	Yes	No
	Electrical trailer brake Controller in Cab	Yes	No
	Battery disconnect switch	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	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 9.5 Gallons	Yes	No

Body Make:

Model:

Questionnaire Below

Plow Gear and	11' Poly reversible plow,42"	Yes	No
Body:	11' Poly Wing, 24" nose has 30.50 discharge	Yes	No
	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 304 Stainless	Yes	No
	Steel	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
	75-100 Gallon frt mount reservoir(wet)	Yes	No
	Stainless Steel lines	Yes	No
	Stainless Steel ladder Mounted Left Side	Yes	No
	Rear	Yes	No
	Stainless Steel shovel holder	Yes	No
	6.0 Cubic yards capacity	Yes	No
	Heavy duty plate 40 Ton mounted pintle	Yes	No
	hook 20 Ton 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

Warranty:	Truck	Yes	No
	Body and Gear	Yes	No
	Body and Gear	Yes	No
Manuals Parts and shop:	Electrical System Troubleshoot	Yes	No
	Electrical Systems Circuit Diagrams	Yes	No

Specify
Warranties:

Delivery Time:
Terms:

Days :