



Town of Falmouth  
Public Works Department

101 Woods Road  
Falmouth, ME 04105  
Ph. - 207-781-3919  
Fax - 207-781-7465

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March 16, 2016

To Whom It May Concern,

The Falmouth Public Works Department is requesting bids for the purchase of a 2017 Snow Plow Truck, with dump body, plow gear, lighting and controls. Bidders are encouraged to submit multiple bids for trucks that meet the bid specifications herein. Bidders can also submit bids for leftover 2016 Trucks provided it meets the specifications herein, however, the preferred selection will be a 2017 truck.

Sealed bids shall be submitted to the Town by **April 6, 2016, on or before 10:00 A.M.**

Full compliance with details of these specifications is mandatory prior to the final acceptance of the vehicle and equipment by the Town of Falmouth. These specifications require the doing of all-necessary, as for, or incidental to the furnishing and delivery of said vehicle and associated equipment. All things not expressly mentioned in these specifications, but involved in carrying out their intent are required by these specifications and the vendor shall perform the same as though we specifically mentioned, described and delineated.

The vehicle and all associated equipment shall be furnished complete and in readiness for use, as required by the terms of these specifications and strict accordance therewith. The vehicle shall be fully equipped and delivered to the Town no later than November 15, 2016. The successful bidder shall further agree to pay as liquidated damages, the sum of \$75.00 for each consecutive calendar day thereafter.

The unit and all equipment furnished shall be manufacturer's latest listed and published stock model, which meet all applicable requirements of these specifications. All design, materials and workmanship, shall in every respect, be in accordance with the best current practices in the industry and all materials used shall be new.

Equipment must be completely inspected and serviced by the vendor prior to delivery.

The town reserves the right to reject any and all quotes.

Signed,

Jay Reynolds,  
Public Works Director

## Bid Form

**Trade-in Information:** 2004 Sterling Tandem Axle, with Henderson Body and HP Fairfield plow gear. (Vin# 2FZHATAK14AM79480), (Miles : 62,759), (Hours : 5,771) The truck is located at the Public Works Department, 101 Woods Road, Falmouth.

The undersigned hereby proposes to furnish the Town of Falmouth, Maine, delivery in accordance with the attached notice and specifications dated March 28, 2016, and in accordance with the attached technical specifications: 2017 snow plow truck with dump body, plow gear, lighting and all the controls, at the following price and delivery time:

- A. Truck Price: \$ \_\_\_\_\_
- B. Trade-in Value: \$ \_\_\_\_\_
- C. Total Bid Amount (Truck minus trade): \$ \_\_\_\_\_
- D. Bid Alternate #1: Cirrus Drive by Download DCE System (supply and install)  
\$ \_\_\_\_\_
- Bid Alternate #2: Belly Scraper \$ \_\_\_\_\_
- E. Delivery Date: \_\_\_\_\_
- F. Exceptions, modifications, or deviations from the enclosed specifications:  
\_\_\_\_\_  
\_\_\_\_\_

Note: Quote must bear the signature of the duly authorized member or employee of the organization making the quote.

Company: \_\_\_\_\_

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

By: \_\_\_\_\_  
(Officer, Authorized Individual or Owner)

Phone: \_\_\_\_\_

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

The town reserves the right to reject any and all quotes. All bids must be returned by **10:00 AM on April 6, 2016**. Please deliver sealed bids to:

**Falmouth Public Works Dept.  
Attn: Public Works Director  
101 Woods Road  
Falmouth, ME 04105-2098**

# VEHICLE SPECIFICATIONS BELOW

YEAR: 2017/2016

APPLICATION: Single Axle Dump Truck with Sander and Plow Gear

MISSION: GVWR: 38,000 to 39,0000  
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, 350 HP@ 1800 RPM  
1350 lb-ft Torque @ 1100 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. 7 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: 70 Gallon Tank  
Mounted Left Side Under CAB  
Fuel/Water Separator with Heater  
Aluminum "D" 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

REAR AXLE: Single Reduction  
26,000 - 28,000 -lb. Capacity  
Standard Track  
Driver Controlled Locking Differential  
Gear Ratio : 6.83

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 Goodyear Tires  
TIRE: (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  
Passenger Side Front Auxiliary Air Bag , Driver Control in Cab

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 Controller in cab  
7 Pole Flat RV plug for Electric Brake and Green ABS Plug for Air Brake Hook up.  
Radio in Cab AM/FM with Weather Band and Bluetooth  
IP Cluster Display, On Board Diagnostics Display of Fault Codes in Cluster  
Battery System 2275 CCA Total (3 Batteries)  
Backing Alarm Electrical 102 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  
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      Cirus Control Spread Smart RX system for  
CONTROLS:            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  
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  
Heavy Duty Pintle Plate  
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 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

HITCH / WING      Hitch for Frt Tilting Design  
SYSTEM:            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 Belly Scraper Installed  
for: Cirrus Drive by Download DCE System Installed



Cab (cont.):	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 Frame 120,000 psi yield	Yes
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
	Passenger side Front auxiliary air bag controlled from inside cab	Yes	No
Rear Axle:	Single Reduction, 28,000 capacity	Yes	No
	Ratio of 6.83	Yes	No
	Top speed of 63 MPH Electrical Governed	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 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 rest( 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 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
	Electrical Trailer Brake hook up in rear of truck with RV plug	Yes	No
	Electrical trailer brake Controller in Cab	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	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	Yes	No
Body:	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	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 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:  
Terms:

Days :