**TOWN OF MENOMONIE**

Specifications for One Single Axle Plow Truck

**SPECIFICATIONS REQUIRED**

CAB SIZE SPECIFICATIONS & TRANSMISSION LOCATION CONTROLS

Conventional cab with air suspension cab

Air conditioning-tilt hood with spring or gas shock assist – stationary grille

Heavy duty radiator extended life

Front fender flares

Under hood engine air in cab control

Clear frame rails for body company components

Front engine PTO adaptor front frame rail extension – no bolt on

Engine brake

Heated windshield

Air intake with in-cab switch outside/under hood snow door

8 optional switches on dash for body company use

Switch and pre wire for hood mounted plow lights

7-way trailer hitch wiring at end of frame with electric brake controller pre wire

Sealed body builder connector at back of cab/rear end of frame

LED stop, turn, tail, reverse and marker lamps

Fuel Tank – Aluminum 70 gallons or more

Aluminum steps – driver & passenger sides

20,000 lb. setback front axle capacity

Hub pilot wheels with outboard mounted

Brake drums

23,000 lb. rear axle with 30,000 lb. capacity

Air suspension

Driver controlled full locking

Differential-gear ratio to allow 68 mph road speed

43,000 # GVW

C-A length for 10 ft. body

Diesel engine – 370 hp – Detroit or Cummins

1250 ft. lb. torque – w/silicone coolant hoses & constant torque clamps & coolant filter

Allison RDS 6 speed

Automatic transmission

With oil cooler and

Synthetic oil auxiliary water to oil & air to oil cooler and PTO gear

Complete set of engine oil and fuel

Filters furnished with new truck

Include Lincoln 239410 10 pt. grease system

Engine Brake/Exhaust Brake

Under hood engine air in cab control

Cab visor

Tires – All season

Lincoln 2420 25 25’ grease line

Stainless Steel vertical exhaust mounted

No lower than bottom frame

Heavy duty driveline 1710 series or equivalent

Delco Remy alternator 160 amp

Tires – Front – 20 ply 315/80R22.5

Radial rib tires – Rear – 11R22.5 1 ply

Radial traction tire

Aluminum wheels tubeless – hub pilot

Brakes and drums – outboard

Mounted – full air S-cam front and rear with auto slack adjusters

Parking brake

Air system with frame mounted

Air dryer and heater with minimum 13 cfm compressor

O – Ring fittings on lines

Power steering

Batteries – 12 volt heavy duty

Fan Drive – Horton or equivalent

Cab Interior Trim

Premium cloth

Sound attenuation

Premium insulation

AM/FM stereo radio with Bluetooth

Grab handles both sides of cab

Air suspension driver

Seat – high back with wide ride

Integral headrest lumbar support

Tilt-telescopic steering column

Power windows both sides

Lower observation port passenger side door

Heated & power op’d stainless steel west coast style mirrors 102” wide w/6” spot

 mirrors mounted

Hood mounted passenger side 10” convex with extension arms

Self-cancelling turn signals

Dual air horns with winter covers

Door pocket driver’s door

Tinted glass in cab

Dual two-way sun visors

Dual intermittent windshield wipers with winter blades & windshield washer

Full complement of gauges and warning lights for engine and transmission monitoring

 with air filter restriction gauge cab mounted

Electrical system protected by circuit breakers

Two-way radio hot posts and ground

Fresh air filter for HVAC

Complete set of manuals for Operator, Parts and Shop Service for truck, engine

 & transmission

Complete line setting ticket

Cab color – Blue or DuPont 7270 Blue

Warranty coverage listed as option for 3, 4, 5, 6, 7 years – including towing MSD

 mileage accumulation will be low

12 volt heated external fuel/water separator/Davco or equivalent

TRADE IN: 2003 STERLING DUMP TRUCK – 94,500 MILES

 PLOW/WING/SANDER/SHOULDERING MACHINE

ALLOWANCE FOR VEHICLE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Final cost new truck, less trade in value of Sterling $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**TOWN OF MENOMONIE**

SPECIFICATIONS FOR SINGLE AXLE PLOW TRUCK EQUIPMENT

SPECIFICATIONS REQUIRED FOR BODY, PLOW, SANDER EQUIPMENT

Henderson Mark 2 10ft. body universal – or equivalent - set up for 96” cab – axle

Unibody design – no cross members

10’ box with 84” inside with (6.5/8.1 cu yd capacity)

7 ga. Hi tensile steel sides & ends

51” hi header/2” side board pockets/42” air trip tailgate/51” front

Full height cab shield board pockets

7 ga three (2) panel tailgate with all horizontal bracing sloped, grab handles in

 lower panel

One piece 3/16” AR400 steel floor-200,000 psi tensile strength

4” floor to side radius

Fully boxed in & fully welded top rails

Rub rails sloped for dirt & debris shedding – rub rail mounted hydraulic couplers for

 sander operation – driver’s side

One piece front corner post – short post-wing/parallel arm lift

V-crimp on sides in lieu of weld on side braces

409 stainless steel front and rear corner posts

¾” rebar down driver’s side

Fully welded cab shield

One safety body prop

Two 5” structural steel I-beam long sills with no splices (4” subframe)

Back up alarm

One set of standard mud flaps fore and aft of rear tires

One set of shovel hooks

Stow-away type ladder, front driver’s with grab handle and box step

All electrical wiring connections will be put in heat shrink tubing & will run in conduit to

 a sealed junction box. Deutsch connectors & supply box

Sight & temperature gauges/hoses & coupler and hydraulic oil as needed

Mounted & fully operational/One year warranty

LED light kit recessed rubber mounted, oval stop, turn, tail and back-up lights mounted

 on outside of rear corner post (heated plow lights)

Primed and painted to match cab color

Mounted & fully operational/One year warranty

HOIST: (Includes stainless cable pull-off valve/hoist limiter)

Mailhot CS-100-4.5-3 (21.4 ton) heavy duty telescopic hoist, class 60

Cylinder is double acting with full power down

Trunnion mount cylinder with oscillating tunnion collar

303 stainless steel rear hinge pins with composite bushings and grease zerks

Two year warranty

Trailer hitch

Small tool box under box – frame mounted

Stainless steel hydraulic lines under truck body

Hose clips – hard fitting couplers

Box vibrator

HYDRAULIC SYSTEM:

Force America – or equivalent (Oilgear) PVWH45L (6.0 cu. In) load sense pump

 front mounted with 1” shut off valve

Force America – or equivalent Ultra Series MPJC-3MJ proportional joystick controls

VT 35 tank assembly with 2” shut off valve – stainless box

8 section add-a-fold valve body

Valve body to run sander, spinner, plow lift/plow reversing, the wing heel, toe and

 hydraulic push beam & dump box w/relief on down side DXV cushion valve

 mounted on front bumper to protect plow reversing cylinder

Stainless steel cable pull-off hoist limit

FRONT PLOW – UNIVERSAL PLOW

7/8” x 5” x 4’ Kennametal Carbide or equivalent x 3

5/8” x 6” x 12’ cover blade

Rubber Blades – est

12’ plow length

43” plow height

10 ga. Moldboard

Loop hitch, plow, portion

One (1) heavy duty 4” x 13” power reversing cylinder w/2” nitrited rod – brass bushing

 and grease zerk at live end of cylinder for extended wear

?? 3/4” x 4” x 4” lower angle, fully gusseted

Plow is fully welded

Rubber snow flap, 3-ply, ½” thick x 12” wide

Plow markers – Orange Plow Marker (stick)

Bulldog jack parking stand

Primed and painted one color – Black

Hoses and single lever mount hyd connect/disconnect

Mounted & fully operational

One Year Warranty

TRUCK PORTION OF PIN & LOOP HITCH:

Universal brand/equivalent

½” x 4” 8” x 90 heavy duty bumper, full length/heavy duty bracing kit

3” x 10” single acting lift cylinder

Cushion valve installed on front bumper

Primed and painted black

One Year Warranty

WING PLOW:

Universal AHW/PDF 8 Wing or equivalent

7/8” x 5” x 4’ Kennametal Carbide or equivalent x 3

½” x 6” x 9” cover blade

HCC6312GR ¾” x 6” x 20” wing curb guard winter (RH) or equivalent

 with carbide cutting edges, Kennametal or equivalent

All hydraulic “no cables”

8 ft moldboard length

32” moldboard height

3/16” moldboard

Eight ½” ribs, fully welded

1 ½” mail pivot bolt

Heavy duty hydraulic push beam arm with shear pin/w nitrogen cushion

10” float at toe/floating link arm at the heel

4” x 19” toe cylinder with 2” nitrided rod

4” x 13” heel cylinder with 2” nitrided rod

¾” x 4” x 4” lower angle, fully gusseted

Safety chain at toe/safety chain with rear stop

Adjustable air bag (controlled from cab) for added wing support & height control –

 ride height valve

Couplers and hoses as needed

Primed & painted one color to match cab

Mounted & fully operational/One year warranty

TAILGATE SANDER:

Henderson or equivalent 304 stainless steel TGS II 9” auger tailgate sander

304 stainless steel construction

Dual Direct drive spinners & auger

Full 3/8” thick flighting/end plates are ¼”

Flighting is welded to a 2 3/8” O.D. schedule 80 pipe, supported by 1 ½” shafts

Ball type bearings are 1 ¼” dia. & are greaseable, mounted w/4 bolt flange

Bottom opens with 6 hinge points for easy cleanout

18” poly spinner with self-leveling spinner assembly/One year warranty

Sander shield mounted on sander

Shouldering machine/Hydraulic conveyer

Chain drive belt – spec to box

LIGHTS:

Cab mounted Whelen/or equivalent strobe light – DOT 3 LED design

Two (2) Whelen/or equivalent

Heated rear mounted LED 5G series LED mounted in rear of box rubber grommet mount

LED one set Hella/or equivalent Model 996167051/61 front mounted snow plowing

 lights (heated) with signals, high & low beams w/60/55 watt bulbs std. install, off

 cowling of truck hood w/custom made stainless steel mounting brackets

LED One (1) wing and one (1) sander light & two flood lights-top of rear box separate

 controls

UTE/or equivalent power control center w/lighted rocker type switches for strobe light,

 LED plow lights & work lights

MISCELLANEOUS EQUIPMENT:

Cab controlled – air activated

Rotogrip or On Spot or equivalent traction chains - Instant chains

Complete set of manuals for all equipment

Rear view camera mounted in cab

Tailgate shouldering machine or combination of sander/shouldering machine

Final quotations are due no later than April 21, 2022 sent via mail to Town of Menomonie, E4055 550th Avenue, Menomonie, WI 54751

Acceptance of quotations will be awarded to Vendor on May 10, 2022.

Town of Menomonie reserves the right to accept or reject any or all options, quotations, or proposals, to waive any technicality in any quotations or part thereof, and to accept any quotations or combination thereof, deemed to be in the best interest of the Town of Menomonie.