



TOWN OF WEATHERSFIELD, VERMONT REQUEST FOR PROPOSAL | TANDEM AXLE DUMP TRUCK



06/17/2020

TANDEM AXLE DUMP TRUCK RFP

The Town of Weathersfield is accepting sealed Proposals for one (1) Tandem Axle Dump Truck of the latest standard model being manufactured and which has been regularly advertised.

P.O. Box 550 | 5259 Route 5, Ascutney, VT 05030

TOWN OF WEATHERSFIELD REQUEST FOR PROPOSAL

The Town of Weathersfield, VT is seeking sealed proposals for furnishing the Town with the following piece of equipment for the Highway Department:

One (1) TANDEM AXLE DUMP TRUCK

Sealed competitive proposals will be received in the Town Manager's Office, 5259 US Route 5 | PO BOX 550, Ascutney, VT 05030 until 2:00PM on July 15, 2020. Late bids will not be opened and will be returned to the proposer.

Note: All envelopes shall be clearly marked "DUMP TRUCK Bid" and written to the attention of the Town Manager.

Further information and complete specifications may be obtained via email at Weathersfield@weathersfield.org or in person by appointment only by contacting Susanne Terrill at 802-674-2626.

Please see Attachment A for specifications on the Plow, Wing, and Sander Body.

The Town of Weathersfield reserves the right to reject any or all proposals or to accept the proposal deemed to be in the best interest of the Town of Weathersfield, as well as to waive any informalities.

The Town of Weathersfield is requesting that all companies submit proposals on the Dump Truck based on the attached specifications dated June 17, 2020.

INTRODUCTION

The Town of Weathersfield is soliciting proposals for the purchase of a new tandem axle dump truck that meets Town specifications and all Federal, State, and Local regulatory compliance requirements to be used to haul road material, including gravel, ditching stone, and sand. The truck will also be used to perform winter maintenance on town highways, including plowing and sanding.

TECHNICAL SPECIFICATIONS

The technical specifications for the purchase of a dump truck includes truck chassis; dump bed, manuals, training, and support; paint; warranty; service and support as identified in this (“RFP”).

It is the responsibility of the Supplier to ensure that Town specifications are met, as well as all Federal, State and Local regulatory (e.g. AQMD, CARB, etc.) compliance requirements. The Town of Weathersfield reserves the right to accept or reject any or all proposals. These specifications and scope of services shall become part of the contract agreement.

It is not the intent of these specifications to specify the make of unit or assemblies, although names may be used for reference.

1. General

- A. CONVENTIONAL CHASSIS
- B. SET BACK AXLE-TRUCK
- C. PRIMARY STEERING LOCATION; LEFT HAND
- d. TRUCK/TRAILER CONFIGURATION
- e. DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)
- f. CONSTRUCTION SERVICE
- g. GOVERNMENT BUSINESS SEGMENT
- h. DIRT/SAND/ROCK COMMODITY
- i. TERRAIN/DUTY: 10% (SOME) OF THE TIME, IN TRANSIT, IS SPENT ON NON-PAVED ROADS
- j. MAXIMUM 8% EXPECTED GRADE
- k. MAINTAINED GRAVEL OR CRUSHED ROCK - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
- l. EXPECTED FRONT AXLE(S) LOAD: 20000.0 lbs.
- m. EXPECTED REAR DRIVE AXLE(S) LOAD: 46,000.0 lbs.
- n. EXPECTED GROSS VEHICLE WEIGHT CAPACITY: 66000.0 lbs.
- o. EXPECTED GROSS COMBINATION WEIGHT: 80000.00 lbs.

2. Engine

- A. MINIMUM OF 475 HP @ 1700RPM, 1700 LB-FT TORQUE @ 1000 RPM, 2100 RPM GOVERNED SPEED, 475 PEAK HP
- b. 2016-2019 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION
- c. 2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LEFT SIDE OF HOOD)
- d. STANDARD OIL PAN
- e. ENGINE MOUNTED OIL CHECK AND FILL
- f. ONE PIECE VALVE COVER
- g. SIDE OF HOOD AIR INTAKE WITH DONALDSON HIGH CAPACITY AIR CLEANER WITH Safety ELEMENT, FIREWALL MOUNTED
- h. DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE
- i. (3) DTNA GENUINE, AGM STARTING AND CYCLING, MIN 2190CCA, 570RC, THREADED STUD BATTERIES
- j. PASSENGER SEAT BATTERY BOX VENTED TO OUTSIDE OF CAB
- k. BATTERY BOX MOUNTED UNDER PASSENGER SEAT
- l. WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN
- m. PLASTIC BATTERY BOX COVER
- n. POSITIVE LOAD DISCONNECT WITH DASH MOUNTED CONTROL SWITCH
- o. POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER
- p. LOW VOLTAGE BATTERY DISCONNECT AT 12.3 VOLTS FOR ISOLATED CIRCUITS WITH LOCAL ALARM
- q. BW MODEL BA-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE
- r. AIR COMPRESSOR DISCHARGE LINE
- s. ELECTRONIC ENGINE INTEGRAL WARNING AND DERATE PROTECTION SYSTEM
- t. JACOBS COMPRESSION BRAKE
- u. RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE
- v. ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND DASH MOUNTED SINGLE REGENERATION REQUEST/INHIBIT SWITCH
- w. STANDARD EXHAUST SYSTEM LENGTH
- x. RH STANDARD HORIZONTAL TAILPIPE
- y. 13 GALLON DIESEL EXHAUST FLUID TANK
- z. 100 PERCENT DIESEL EXHAUST FLUID FILL
- aa. STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING

- bb. POLISHED ALUMINUM DIAMOND PLATE DIESEL EXHAUST FLUID TANK COVER
- cc. LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION
- dd. NO MUFFLER/TAILOPIPE SHIELD
- ee. BORG WARNER (KYSOR) REAR AIR ON/OFF ENGINE FAN CLUTCHAUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON-ENGINE MOUNTED
- ff. DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR
- gg. FULL FLOW OIL FILTER
- hh. 1500 SQUARE INCH ALUMINUM RADIATOR
- ii. MOUNTING FOR FIREWALL MOUNTED SURGE TANK
- jj. ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT
- kk. GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT
- ll. CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
- mm. HDEP FIXED RATIO COOLANT PUMP AND RADIATOR DRAIN VALVE
- nn. NO RADIATOR/OIL PAN GUARD
- oo. 1350 ADAPTER FLANGE FOR FRONT PTO PROVISION
- pp. PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER
- qq. PHILLIPS-TEMRO 300 WATT/115 VOLT OIL PREHEATER
- rr. CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR
- ss. ALUMINUM FLYWHEEL HOUSING
- tt. MITSUBISHI 12V MOD 3.175-DP60 STARTER WITH INTEGRATED MAGNETIC SWITCH

3. Transmission

- A. (ALLISON 4500 RDS) 5TH GENERATION CONTROLS, WIDE RATIO, 6-SPEED WITH DOUBLE OVERDRIVE, WITH PTO PROVISION, LESS RETARDER, INCLUDES OIL LEVEL SENSOR, ON/OFF HIGHWAY

4. Transmission Equipment

- a. ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV
- b. ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES
- c. PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 3, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
- d. S1 PERFORMANCE PRIMARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

- e. S2 PERFORMANCE 2 SECONDARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
- f. 1900 RPM PRIMARY MODE SHIFT SPEED
- g. 1900 RPM SECONDARY MODE SHIFT SPEED
- h. FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED
- i. NO REAR PTO TRANSMISSION RANGE
- j. BODY LIGHTING POWER WIRED TO CUSTOMER INTERFACE CONNECTOR WITH SEPARATE STOP/TURN
- k. ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR
- l. CUSTOMER INSTALLED CHELSEA 280 SERIES PTO
- m. PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION
- n. MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN
- o. PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED
- p. TRANSMISSION PROGNOSTICS - ENABLED 2013
- q. WATER TO OIL TRANSMISSION COOLER, FRAME MOUNTED
- r. TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK
- s. SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

5. Front Axle and Equipment

- a. DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE
- b. BENDIX 16.5X6X ES HEAVY DUTY SPIDER CAM FRONT BRAKES, SINGLE ANCHOR, FABRICATED SHOES
- c. NON-ASBESTOS FRONT BRAKE LINING
- d. CONMET CAST IRON FRONT BRAKE DRUMS
- e. FRONT BRAKE DUST SHIELDSDETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE
- f. BENDIX 16.5X6X ES HEAVY DUTY SPIDER CAM FRONT BRAKES, SINGLE ANCHOR, FABRICATED SHOES
- g. NON-ASBESTOS FRONT BRAKE LINING
- h. CONMET CAST IRON FRONT BRAKE DRUMS
- i. FRONT BRAKE DUST SHIELDS

6. Front Suspension

- a. 20,000# TAPERLEAF FRONT SUSPENSION
- b. MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION
- c. FRONT SHOCK ABSORBERS
- d. SPRINGS, FRONT AUXILARY AIR BAG, RIGHTSIDE ONLY, DRIVER CONTROLLED

7. Rear Axle and Equipment

- a. Minimum RT-46-160 46,000# R-SERIES TANDEM REAR AXLE
- b. 4.56 REAR AXLE RATIO
- c. IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING
- d. MXL 18T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES
- e. MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES
- f. DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES
- g. (1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AXLE VALVE AND (1) REAR-REAR AXLE VALVE
- h. INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH
- i. INDICATOR LIGHT FOR EACH DRIVER CONTROLLED TRACTION DEVICE SWITCH
- j. BENDIX 16.5X7X ES HEAVY DUTY STAMPED SPIDER CAM REAR BRAKES, SINGLE ANCHOR
- k. NON-ASBESTOS REAR BRAKE LININGBRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)
- l. CONMET CAST IRON REAR BRAKE DRUMS
- m. REAR BRAKE DUST SHIELDS
- n. REAR OIL SEALS
- o. WABCO TRISTOP D LONGSTROKE 2-DRIVE AXLE SPRING PARKING CHAMBERS
- p. HALDEX AUTOMATIC REAR SLACK ADJUSTERS
- q. SYNTHETIC 75W-90 REAR AXLE LUBE

8. Rear Suspension

- a. TUFTRAC 46,000# REAR SPRING SUSPENSION
- b. TUFTRAC STANDARD RIDE HEIGHT
- c. AXLE CLAMPING GROUP
- d. 56 INCH AXLE SPACING
- e. FORE/AFT AND TRANSVERSE CONTROL RODS
- f. REAR SHOCK ABSORBERS - ONE AXLE

9. Brake System

- a. WABCO 4S/4M ABS
- b. REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES
- c. FIBER BRAID PARKING BRAKE HOSE
- d. STANDARD BRAKE SYSTEM VALVES

- e. RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE
- f. WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER
- g. WABCO OIL COALESCING FILTER FOR AIR DRYER
- h. AIR DRYER MOUNTED INBOARD ON LH RAIL
- i. ALUMINUM AIR BRAKE RESERVOIRS
- j. BW DV-2 AUTO DRAIN VALVE WITHOUT HEATER TO WET TANK; DRAIN VALVE CABLES ON ALL OTHER TANKS

10. Trailer Connections

- a. AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS
- b. PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION
- c. SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME

11. Wheelbase & Frame 5100MM (201 INCH) WHEELBASE

- a. 7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
- b. PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION
- c. BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW
- d. 1600MM (63 INCH) REAR FRAME OVERHANG
- e. FRAME OVERHANG RANGE: 61 INCH TO 70 INCH
- f. 12 INCH INTEGRAL FRONT FRAME EXTENSION
- g. CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 119.57 in
- h. CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 116.57 in
- i. CALC'D FRAME LENGTH - OVERALL: 303.46
- j. FRAME HEIGHT TOP FRONT UNLADEN: 42.8 in
- k. FRAME HEIGHT TOP FRONT LADEN: 39.59 in
- l. FRAME HEIGHT TOP REAR UNLADEN: 44.48 in
- m. FRAME HEIGHT TOP REAR LADEN: 41.78 in
- n. CALCULATED FRAME SPACE LH SIDE: 59.31 in
- o. CALCULATED FRAME SPACE RH SIDE: 170.78 in
- p. CALC'D SPACE AVAILABLE FOR DECKPLATE: 119.78 in
- q. SQUARE END OF FRAME
- r. STANDARD WEIGHT ENGINE CROSSMEMBER
- s. STANDARD CROSSMEMBER BACK OF TRANSMISSION
- t. STANDARD MIDSHIP #1 CROSSMEMBER(S)
- u. STANDARD REARMOST CROSSMEMBER

- v. HEAVY DUTY SUSPENSION CROSSMEMBER
- w. STANDARD WEIGHT REAR SUSPENSION CROSSMEMBER

12. Chassis Equipment

- a. 16 INCH PAINTED STEEL BUMPERBUMPER MOUNTING FOR SINGLE LICENSE PLATE
- b. FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS
- c. GRADE 8 THREADED HEX HEADED FRAME FASTENERS
- d. EXTERIOR HARNESES WRAPPED IN ABRASION TAPE

13. Fuel Tanks

- a. 80 GALLON/302 LITER ALUMINUM FUEL TANK - LH
- b. 25 INCH DIAMETER FUEL TANK(S)
- c. POLISHING OF FUEL/HYDRAULIC TANK(S) WITH POLISHED STAINLESS-STEEL BANDS
- d. FUEL TANK(S) FORWARD
- e. POLISHED STEP FINISH
- f. CHROME FUEL TANK CAP(S)
- g. EQUIFLO INBOARD FUEL SYSTEM
- h. HIGH TEMPERATURE REINFORCED NYLON FUEL LINE

14. Tires

- a. (8) TIRE, REAR 11R22.5 Load Range H HDR2, 491 rev/mile, 75 MPH, Drive
- b. (2) TIRE, FRONT 315/80R22.5 Load Range L G289 WHA, 484 rev/mile, 68 MPH, All-Position

15. Hubs

- a. CONMET PRESET PLUS PREMIUM IRON FRONT HUBS
- b. CONMET PRESET PLUS PREMIUM IRON REAR HUBS

16. Wheels

- a. ACCURIDE 41012 22.5X9.00 10-HUB PILOT 3.12 INSET 10-HAND ALUMINUM DISC FRONT WHEELS
- b. ACCURIDE 40008 22.5X8.25 10-HUB PILOT 10-HAND HD ALUMINUM DISC REAR WHEELS
- c. POLISHED FRONT WHEELS; INSIDE AND OUTSIDE
- d. FRONT WHEEL MOUNTING NUTS
- e. REAR WHEEL MOUNTING NUTS

17. Cab Interior

- A. IN-DASH STORAGE BIN
- B. 2.5 LB. FIRE EXTINGUISHER

- C. HEATER, DEFROSTER, AND AIR CONDITIONER
- D. STORAGE BOX; MOUNTED IN CAB
- E. EXTRA 12-VOLT CB-ACC POWER
- F. CAB DOOR LATCHES WITH MANUAL DOOR LOCKS
- G. ONE (1) 12-VOLT, IN-DASH POWER SUPPLY
- H. TRIANGULAR REFLECTOR KIT
- I. AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION
- J. 2-MAN, TOOLBOX, NON-SUSPENSION PASSENGER SEAT WITH HEADREST
- K. 3-POINT DRIVER AND PASSENGER SEAT BELTS
- L. ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN

18. Instruments and Controls

- A. LOW AIR PRESSURE LIGHT AND BUZZER
- B. ONE (1) SINGLE BRAKE APPLICATION AIR GAUGE
- C. 2-INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
- D. 2-INCH ELECTRONIC FUEL GAUGE
- E. ENGINE COOLANT TEMPERATURE GAUGE
- F. 2-INCH TRANSMISSION OIL TEMPERATURE GAUGE
- G. ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
- H. ONE (1) DASH-MOUNTED PTO SWITCH WITH INDICATOR LAMP
- I. ELECTRIC ENGINE OIL PRESSURE GAUGE
- J. AM/FM RADIO WITH WEATHER BAND
- K. DASH-MOUNTED RADIO
- L. TWO (2) RADIO SPEAKERS IN CAB
- M. MPH SPEEDOMETER/ODOMETER
- N. TACHOMETER GAUGE
- O. VOLTAGE DISPLAY GAUGE
- p. SELF-CANCELING TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS

19. Design & Color

- A. THE ENTIRE UNIT SHALL BE PAINTED WITH MANUFACTURES STANDARD BASE COAT AND CLEAR COAT. TRUCK FRAME SHALL BE PAINTED BLACK UNLESS OTHERWISE APPROVED.

20. Dump Bed

- a. SEE ATTACHMENT A

21. Manuals/ Training/ Support

- A. THE BIDDER SHALL SUPPLY ONE DUMP TRUCK OPERATOR MANUAL AND ONE PARTS/SERVICE MANUAL (HARDCOPY AND ON A CD).
- B. BIDDER SHALL ALSO PROVIDE ONE (1) TIME ON-SIGHT TRAINING FOR DUMP TRUCK OPERATION AND GENERAL MAINTENANCE
- C. BIDDER SHALL PROVIDE OPERATOR INSTRUCTION/SAFETY/MAINTENANCE PROCEDURES ON CD WITH THE UNIT.
- d. “TRUCK AND CHASSIS MANUALS FOR PARTS AND SERVICES”

22. Service and Support

- A. ON-SITE WARRANTY SUPPORT SHALL BE PROVIDED BY THE DUMP TRUCK SUPPLIER (IF APPLICABLE)
- B. DUMP TRUCK SUPPLIER WILL PROVIDE A WARRANTY FOR THE CHASSIS FOR SEVEN (7) YEAR UNLIMITED MILEAGE.
- C. A FULL-SERVICE DEALERSHIP IS PREFERRED TO BE WITHIN 30 MILES OF THE TOWN OF WEATHERSFIELD
- D. PROVIDE A TRADE ESTIMATE FOR THIS VEHICLE AT 84 MONTHS
- E. TRADE IN VALUE OF A 1996 MACK DUMP TRUCK WITH PLOW WING AND SANDER CAN BE INSPECTED AT THE WEATHERSFIELD HIGHWAY GARAGE, 483 STOUGHTON POND ROAD, PERKINSVILLE, VT 05151

TOWN OF WEATHERSFIELD, VERMONT
TANDEM AXLE DUMP TRUCK

BID SHEET

Make of Truck Bid _____
Model of Truck Bid: _____
Year of Truck Bid: _____
Plow, Wing, & Sander Body Bid: \$ _____
7 Year/7000 Hour Full Machine Warranty: \$ _____
Price of Unit: \$ _____
Less Trade (1996 Mack Dump Truck (Plow
Wing and Sander): \$ _____
Net Cost: \$ _____

DELIVERY DATE _____

ADD A SEPARATE SHEET AS ATTACHMENT A TO THIS BID SHEET WITH THE SPECIFICATIONS FOR THE TRUCK SPECIFICATIONS AND PLOW, WING, AND BODY SPECIFICATIONS.

Company Name

Authorized Company Representative Name (Printed)

Authorized Company Representative Signature

Date

ATTACHMENT A

[PLOW, WING, AND SANDER BODY SPECS]

**ATTACHMENT A
TOWN OF WEATHERSFIELD
VERMONT BID SPECIFICATIONS**

Hitch and Wing System	Yes	No	Deviations
Hitch to be of power tilt design.			
The hitch shall tilt forward hydraulically with the use of twin chains to provide engine access.			
The front hitch shall pin to the plow on industry standard thirty and a half inch centers.			
Two horizontal tubes shall extend outward to the passenger side of the chassis to serve as support for the front wing post.			
All vertical and horizontal supports shall be of tubular construction for strength.			
The front wing post shall be bolted to the hitch.			
The front wing post shall raise the nose of the wing a minimum of 33" by use of a direct hydraulic lift.			
The rear post shall be a shelving type and raise the rear of the wing a minimum of 24".			
The rear post shall be properly braced and attached to a plate fastened to the chassis frame rail.			
An integral steel support shall tie both chassis frame rails together with the rear post.			
The rear wing post shall have a three-point attachment for push arms and lift cylinder attachment.			
Push arms are adjustable in length to provide variable clearing paths.			
The bottom arm shall incorporate a compression spring to aid in protecting the wing components.			
A double acting lift cylinder with a load holding valve shall be mounted between the arms to provide rear of wing lift.			
A full trip hinge block shall be mounted between the nose of the wing and the front post and shall allow the wing to trip over road obstacles or be pin locked to perform shelving operations.			
All hitch and wing mount gear shall be sandblasted, epoxy primed, and painted black.			

SPECIFICAITONS CONTINUED

Wing	Yes	No	Deviations
Cutting edge length : 10'			
Overall Length : 11'			
Mold board constructed from a minimum of eight gauge high strength carbon steel and reinforced with full length ribs.			
The wing shall be punched 12" on center.			
The wing shall come equipped with carbide blades, an integral AR450 cover blade, and two moldboard shoes.			
The wing shall be sandblasted, epoxy primed, and painted orange.			

Plow	Yes	No	Deviations
Shall be a slotted compression spring trip hydraulic ram reversing plow with right hand flare.			
Cutting edge length : 11'			
Clearing path : 9' @ 35 degrees			
Moldboard height : nose: 42", discharge: 54"			
Moldboard constructed from no less than eight gauge high strength carbon steel and reinforced with ribs.			
The leading edge of the plow shall have a rubber deflector and two fluorescent orange plow guides.			
Plow shall be punched 12" on center.			
The plow shall come with carbide blades, an integral AR450 cover blade, and two adjustable frame shoes.			
Plow shall pin to hitch with standard pins.			
The lifting device shall be a three chain level lift design.			
Moldboard steel shall be sandblasted, primed with an epoxy primer, and painted orange.			
Drive frame steel shall be sandblasted, primed with an epoxy primer, and painted black.			

SPECIFICATIONS CONTINUED

Hydraulics	Yes	No	Deviations
A front mounted large volume pump shall power all hydraulic functions. The pump shall have a shutdown feature.			
A nine section load sharing and proportional implement and spreader valve shall be behind cab mounted below the window in an enclosure.			
All implement and spreader lines shall be plumbed with stainless steel tubing and short hose whips.			
Implement controls shall be run with pedestal mounted air actuated controls and include a front hitch remote lever.			
Spreader functions shall be run with a ground speed oriented two channel electronic spreader control.			
A minimum 40 gallon oil reservoir with return line filtration, ball valve shut off, and a low oil sensor shall be behind cab mounted below the rear window.			

Combination Spreader/ Dump Body	Yes	No	Deviations
Heavy duty body serving as a spreader or dump body transformed by a hydraulic tilting floor.			
Inside length : 14'			
Capacity : Approx. 13 to 15 cubic yards			
Hoist cylinder; Single acting telescopic			
Cab shield : 24" overhang			
Headboard and structural wall constructed from 3/16" corrosion resistant Corten steel with a minimum 75,000 psi tensile strength.			
Driver's side wall constructed from 3/16" AR450 steel with a minimum 205,000 psi tensile strength.			
The tailgate will be double acting, nine panel, and constructed from corrosion resistant Corten steel with a minimum 75,000 psi tensile strength.			
Tailgate shall be air operated and shall latch and unlatch with a double acting air cylinder.			
The floor/tipper shall be constructed of ¼" AR450 steel with a minimum 205,000 psi tensile strength.			
The understructure of the body shall consist of two 10" I-beam longitudinals and I-beam cross members.			
The complete body shall have a central lube kit.			
The side tilt floor shall be raised to reload the conveyor by use of two double acting cylinders.			
A flow divider shall ensure the cylinders lift evenly.			
The conveyor is an integral part of the body floor and runs longitudinally down the driver's side of the body, discharging in front of the rear wheels.			

SPECIFICATIONS CONTINUED

Combination Spreader/ Dump Body Continued	Yes	No	Deviations
There shall be a ¼" AR450 two section chain cover.			
The chain shall contain bar flights every other link for greater strength and more even material flow.			
All chain links are protected by an integral chain guard leaving only the bar flights exposed.			
The lower chain guard rails shall have replaceable AR450 wear strips.			
The chain shall be driven by a 25:1 ratio gearbox and feed through a hydraulic cylinder adjustable feed gate door.			
The spinner shaft has a top mounted bi-rotational hydraulic motor to spin an 18" poly disc. It shall be capable of switching rotational direction by switching the hoses to the motor.			
The spinner assembly is chassis mounted and is both laterally and vertically adjustable and removable.			
The spinner shall hydraulically adjust laterally.			
A poly chute feeds the spreading disc. The chute is both adjustable and removable.			
Front and rear mud flaps shall be installed. Anti-sails shall be included on the front set.			
All steel shall be shot blasted, zinc primed, epoxy primed, and high temperature baked.			
The body shall be painted to match cab and high temperature baked.			

Required Options	Yes	No	Deviations
A color camera system with dual feeds shall be installed.			
The body shall have a three-point ladder, inner body step, and gearbox mounted step.			
A shovel holder shall be mounted on the front driver's side corner of the headboard.			
An electric activated body vibrator shall be mounted from the body manufacturer prior to painting.			
Composite material sideboards shall be installed.			
An electric operated load cover with thirty degree bend aluminum arms, mesh tarp, and tensioner shall be installed.			
A ¾" pintle plate with D-Rings and electrical plug shall be installed.			

Specifications Continued

Lighting	Yes	No	Deviations
Strobe system shall include four LED cab shield mounted, and two LED heated corner post mounted strobes.			
Running lights shall consist of LED heated stop/tail/turns, LED heated back up lights, and LED marker lights.			
Five LED heated spot lights shall be supplied and installed.			
Wing, spinner, discharge gate, and two heated rear mounted.			
One set of LED heated plow lights shall be installed.			