



**Town of South Bruce Peninsula**

**Tender 19-19**

**Single Axle Plow/Sander Truck**

## **Town of South Bruce Peninsula**

### **Tender 19-19**

### **Single Axle Plow/Sander Truck**

The Town of South Bruce Peninsula is seeking bids for the supply and delivery of a new single axle diesel truck cab and chassis complete with a plow/sand combination unit. Sealed tenders will be received at the Town of South Bruce Peninsula Municipal Office until **3:00 pm** local time on **April 26, 2019**.

Bid packages and details may be obtained from the Town of South Bruce Peninsula Municipal Office, at the address below, or on the Town website at [www.southbrucepeninsula.com](http://www.southbrucepeninsula.com)

Award is subject to Town of South Bruce Peninsula approval. The lowest or any bid will not necessarily be accepted.

**Lara Widdifield, C.E.T.**  
**Director of Public Works**  
**Town of South Bruce Peninsula**  
**315 George St., PO Box 310**  
**Warton ON N0H 2T0**  
**(519) 534-1400**

## Information to Bidders

### 1 General

Sealed tenders will be received until **April 26, 2019 at 3:00 pm** in a sealed envelope clearly marked with the following:

**Single Axle Plow/Sander Truck**

Tender 19-19

**Town of South Bruce Peninsula**

Attention: Lara Widdifield, C.E.T.

Director of Public Works

315 George St, PO Box 310

Warton ON, N0H 2T0

**The envelope is to include the bidding company name and return mailing address and reference the tender number.**

The bid must be submitted on the tender forms as provided by the Town of South Bruce Peninsula. No changes may be made to bids after they have been received. If more than one (1) tender is submitted by a bidder, the only one considered and opened will be the envelope with the most recent time/date of receipt. Electronically transmitted tender (i.e. fax or email) will not be considered.

### 2 Tender Requirements

The following **must** be completed and submitted with your bid:

- Tender Form T-1
- Tender Form T-2 - Specifications Checklist – Diesel Cab and Chassis
- Tender Form T-3 - Specifications Checklist – One Way Snow Plow with Power Tilt
- Tender Form T-4 - Specifications Checklist – 12' Standard Wing
- Tender Form T-5 - Specifications Checklist – 8" Front Wing Post
- Tender Form T-6 - Specifications Checklist – Full Hydraulic Snow Plow Wing Tower
- Tender Form T-7 - Specifications Checklist – Tandem Dry Mode Front Mount Hydraulic Pump
- Tender Form T-8 - Specifications Checklist – All Season Combination Dump Body-Spreader
- Tender Form T-9 - Specifications Checklist – Hydraulic Front Tilt Harness
- Warranty and Service Agreement
- Statement by Bidder

- Addendum(s) (If any)

Bidders are required to prepare their bid in accordance with this tender document, as well as the Town of South Bruce Peninsula's [Purchasing Procedures](#). The successful bidder will be required to enter into a contract with the Terms and Conditions as set out in the tender.

Bids shall be submitted on our tender form only.

A tender may be withdrawn any time prior to closing. Tenders that do not comply strictly with our terms and conditions or bids which are incomplete, obscure or made subject to further conditions or qualified may be rejected as informal or disqualified by the Town of South Bruce Peninsula.

The Town does not bind itself to accept the lowest or any tender. Bids must be legible and completed in ink or typewritten with all blanks filled in.

The Town of South Bruce Peninsula reserves the right in its sole discretion to reject any or all bids, and the lowest or highest bid as the case may be will not necessarily be accepted.

### **3 Bribery or Corrupt Practice**

Should the successful bidder or any of his agents give, or offer any gratuity to, or attempt to bribe any member of the Town Council, officers or servants of the Town, the Town of South Bruce Peninsula shall be at liberty to cancel the purchase agreement forthwith.

### **4 Assignment and Sub-Letting**

Potential bidders should be aware that the successful bidder shall not assign or sublet the agreement or any part thereof or any benefit or interest therein or thereunder, without the written consent of the Town of South Bruce Peninsula.

### **5 Accessibility**

As of January 1, 2012, bidders must meet the requirements of the Customer Service Standard of the Accessibility for Ontarians with Disabilities Act (AODA). This document can be made available in other accessible formats, where practicable, upon request.

## **6 Freedom of Information and Ownership of Documents**

Any personal information required on the quotation forms is received under the authority of the Municipal Freedom of Information and Protection of Privacy Act. This information will be an integral component of the quote submission.

All written quotations received by the Town become a public record and once a quotation is accepted by the Town, all information contained in them is available to the public, including personal information. Bidders may mark any part of their submission as confidential except for the total contract/submission price and the bidder's name. The Town will use its best efforts not to disclose any information so marked but shall not be liable to a bidder where information is disclosed by virtue of an order of the Privacy Commissioner or otherwise as required by law. Upon award, the Town may release the name of the successful bidder and the total bid price of the successful bidder.

Questions about collection of personal information and the Municipal Freedom of Information and Protection of Privacy Act, as amended, should be directed to:

Town of South Bruce Peninsula  
Attention: Clerk  
315 George St, PO Box 310  
Warton ON, N0H 2T0  
519-534-1400 ext. 122

All documents, including proposals, submitted to the Town of South Bruce Peninsula will become the property of the Town. If bidders desire their quotation submission to be protected from disclosure under the above legislation, please provide a signed letter enclosed with the quotation outlining the part of the submission to be protected. This letter will not guarantee that there will never be disclosure, but it does lay the groundwork for handling an application for disclosure by a third party under this legislation.

## **7 Conflict of Interest**

In addition to complying with the conflict of interest provisions, each bidder must declare in its submission any conflict of interest (actual or potential) which exists now or may exist in the future in respect of its participation in the quotation process, the submission of its quotation, and, if selected, the performance of its responsibilities. The Town will determine, in their sole discretion, whether any situation constitutes or may constitute a real or potential conflict of interest and reserves the right, in its sole discretion, to disqualify any bidder.

Bidders must also describe in the quotation, their process for identifying, disclosing, reporting and dealing with conflicts of interest that may arise in the future.

## **8 Payments**

Payment by the Town of South Bruce Peninsula to the successful bidder will be made in accordance with the tender submission. Upon delivery of the unit, the successful bidder will submit an invoice to the Town of South Bruce Peninsula. Payment by the Town of South Bruce Peninsula to the successful bidder will be made within forty-five (45) days of the date of the delivery of the invoice.

## **9 Sales Tax**

The bidder will not include the Harmonized Sales Tax (HST) in the tender purchase price; within Tender Form T-1 there are separate line items for other taxes and HST.

## **Scope and Specifications**

### **1 Scope of Work**

This tender is for the supply and delivery of a single axle diesel truck cab and chassis complete with a plow/sand combination unit, as specified. Tenders submitted which do not meet the specifications will be considered incomplete and will therefore be disqualified.

Bidders wishing to offer more than one (1) type bid for consideration must complete a separate Tender document for each separate offer and clearly identify each submission as a separate offer. Bidders shall include with their tender submission the full manufacturers' specifications and literature, which fully describe the item(s) being offered, including any optional equipment.

### **2 Specifications**

#### **2.1 Diesel Cab and Chassis**

The vehicle must be supplied with suitable components to comply with the specifications in the Tender Form T-2 "Specification Checklist – Diesel Cab and Chassis". Where minimums are called for, the vehicle must meet or exceed the capacity, size or performance specified.

This specification lists only the major details of a unit. Therefore, it is the supplier's responsibility to deliver a fully-equipped vehicle with compatible components to provide dependable, efficient service.

Vehicles shall meet or surpass the mandatory requirements of the "Canadian Motor Vehicle Safety Regulations" SOR 70-487 amended and must bear the National Safety Mark outlined in those regulations.

Dealer markings or transfers are not to be applied to this vehicle.

#### **2.2 One Way Snow Plow with Power Tilt**

The one way snow plow with power tilt must be supplied and installed as per the specifications in the Tender Form T-3 "Specification Checklist – One Way Snow Plow with Power Tilt". Equivalent models will be considered with prior approval from the Town.

### **2.3 12' Standard Wing**

The standard wing must be supplied and installed as per the specifications in the Tender Form T-4 "Specification Checklist – 12' Standard Wing".

### **2.4 8" Front Wing Post**

The front wing post must be supplied and installed as per the specifications in the Tender Form T-5 "Specification Checklist – 8" Front Wing Post".

### **2.5 Full Hydraulic Snow Plow Wing Tower**

The full hydraulic snow plow wing tower must be supplied and installed as per the specifications in the Tender Form T-6 "Specification Checklist – Full Hydraulic Snow Plow Wing Tower".

### **2.6 Tandem Dry Mode Front Mount Hydraulic Pump**

The Tandem Dry Mode Front Mount Hydraulic Pump must be supplied and installed as per the specifications in the Tender Form T-7 "Specification Checklist – Tandem Dry Mode Front Mount Hydraulic Pump".

### **2.7 All Season Combination Dump Body-Spreader**

The hydraulic controls must be supplied and installed as per the specifications in the Tender Form T-8 "Specification Checklist – All Season Combination Dump Body-Spreader".

These specifications describe an all-season combination dump body and sand/salt spreader. The dump box shall remain stationary on the chassis frame while spreading. Rear discharge shall be front hoist tilt action as per conventional dump bodies. The unit will be oval shaped to permit gravity flow unloading. The main conveyor will be centered and recessed along the length of the box. The cross conveyor will be chassis frame mounted with spreader discharge on the front driver's side of dump box.

The tenderer will arrange a working demonstration of any unit offered as an approved equivalent at the municipality's location prior to the tender closing date.

The spreader body offered by the bidder under this specification shall be the manufacturers latest model standard commercial product and shall have demonstrated and proven industry acceptance by having been manufactured and sold in significant



numbers to municipalities and contractors and shall have been proven in service for at least one year prior to the issuing of this tender document.

## **2.8 Hydraulic Front Tilt Harness**

The hydraulic controls must be supplied and installed as per the specifications in the Tender Form T-9 "Specification Checklist – Hydraulic Front Tilt Harness".

## **3 Delivery**

The complete unit is to be delivered December 1, 2019. Delivery is to the Warton Works Garage at 441048 Elm Street, Warton and is to be coordinated with Town staff during the hours of operations of the Public Works Yard (7:30 am – 3:00 pm).

## **4 Warranty and Service Agreement**

Bidder will submit standard O.E.M. warranty package included with chassis and equipment plus include on a separate Company letterhead 'OPTIONAL' additional warranties available for chassis including the cost before HST.

NOTE: 'OPTIONAL' chassis warranties are not to be included in tender bid price – the Town may or may not purchase additional warranties, but will notify the successful bidder of a decision upon award.

The Tender submission shall include a brief summary on the schedule of items and prices of warranties and guarantees covering materials and workmanship.

Within the bid submission, bidders shall indicate if they provide mobile repair services and/or provide the location of the nearest service department where the Town could have the new vehicle serviced when required. The successful bidder, at no additional cost to the Town, will carry out any repairs, services or adjustments during the warranty period for this unit at the Town's works' yard(s). If the vehicle needs to be returned to the supplier for warranty work, it will be at the full cost of the successful bidder.

## Tender Form T-1

Having read and understood the Tender 19-19 for a single axle diesel truck cab and chassis complete with plow / sander combination unit, I/we the undersigned hereby offer to supply the unit for the following price equipped in accordance with the attached tender specifications and delivered to the Town of South Bruce Peninsula Works Yard at 441048 Elm Street, Wiarton, ON:

Make: \_\_\_\_\_ Year: \_\_\_\_\_

Model: \_\_\_\_\_

Guaranteed delivery date: \_\_\_\_\_

**Purchase Price** (Delivery Included): \$ \_\_\_\_\_ (Excluding HST)

**Any applicable taxes** (other than HST): \$ \_\_\_\_\_ (Excluding HST)

**HST (13%):** \$ \_\_\_\_\_

**Total Quotation Price** (Delivery & taxes Included): \$ \_\_\_\_\_

Price firm for 30 days: Yes / No  
(circle)

Terms of Payment: \_\_\_\_\_

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Signature of Authorized Person

\_\_\_\_\_

\_\_\_\_\_  
Name (Please Print)

\_\_\_\_\_  
Address

\_\_\_\_\_  
E-mail Address

\_\_\_\_\_  
Phone

\_\_\_\_\_  
Fax

\_\_\_\_\_  
Date

\_\_\_\_\_  
Bidder's Initials

## Tender Form T-2

### Specifications Checklist – Diesel Cab and Chassis

1	General	Confirmation
1.1	Make:	<hr/>
1.2	Model:	<hr/>
1.3	Engine Model:	<hr/>
1.4	Model Year:	<hr/>
2	<b>Vehicle Weight</b>	
2.1	G.V.W.R. 43,000 lbs. minimum	<hr/>
2.2	G.V.W.R. 20,000 lbs. set back front axle minimum	<hr/>
2.3	G.V.W.R. 31,000 lbs. rear axle minimum	<hr/>
2.4	The allowable G.V.W.R., as supplied, shall be shown on a metal or mylar tag.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3	<b>Engine</b>	
3.1	Diesel type, inline 6 cylinder sleeved engine governed at 2100 rpm	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.2	Litre size: 9 litre minimum	<hr/>
3.3	Engine Gross HP - 350 H.P. minimum	<hr/>
3.4	Engine make and model	<hr/>
3.5	Engine Net Torque - 1150 lbs/ft. torque minimum	<hr/>
3.6	Required engine ratings must be set at time of engine manufacture. Engines with locally altered ratings are not acceptable.	<input type="checkbox"/> Yes <input type="checkbox"/> No

**4 Power Plant Parts**

- 4.1 Air cleaner - heavy duty dry type shall be supplied with in cab/ outside air control.  Yes  No
- 4.2 Oil filter shall be full flow type  Yes  No
- 4.3 Alternator - shall be 165 amp capacity minimum Delco Remy 34si brushless (or equivalent) \_\_\_\_\_
- 4.4 Idle capacity - shall be at least 80 amps \_\_\_\_\_
- 4.5 An air dryer shall be supplied and shall be Bendix ADIP with heater (or equivalent) \_\_\_\_\_
- 4.6 SAE rating combined 12 volt 2775 CCA minimum. Batteries shall be easily accessible for service and not interfere with plow equipment install Specify Location: \_\_\_\_\_
- 4.7 A 6" minimum diameter opening for front PTO shaft shall be provided, with adaptor on crankshaft for PTO drive. PTO drive must be below radiator. \_\_\_\_\_
- 4.8 Automatic temperature controlled on/off fan clutch shall be supplied  Yes  No
- 4.9 Governor - engine governor, built-in type  Yes  No
- 4.10 Engine compression brake or retarder required  Yes  No
- 4.11 Batteries shall be maintenance-free type  Yes  No
- 4.12 Allison 3000 RDS 5th Generation Controls Close Ratio 6-Speed with Double Overdrive  Yes  No
- 4.13 Battery - 3 x 12 volt batteries to be supplied  Yes  No
- 4.14 Battery shut off switch – mounted in cab outboard of driver's seat  Yes  No
- 4.15 Auxiliary transmission cooler – water to oil  Yes  No
- 4.16 The transmission shall be supplied with 100% synthetic oil  Yes  No

- 4.17 A block type engine heater shall be supplied with plug in under the driver's door  Yes  No
- 4.18 Engine protection alarm device shall be installed with alarm bell or buzzer warning. Automatic engine shutdown not accepted  Yes  No
- 4.19 High temperature (210 degree F. setting)  Yes  No
- 4.20 Low Oil Pressure (6 psi setting)  Yes  No
- 4.21 Exhaust system and muffler shall be installed to accommodate snow plow installation. Vertical stack shall have curved 45 degree outlet  Yes  No
- 4.22 Vertical exhaust stack with chromed heat shield shall be cab mounted on right side, not to protrude past back of cab. Muffler shall be horizontal  Yes  No
- 4.23 Engine hood shall be one piece forward tilting with adequate side access service hatch panel(s) for easy engine access. Engine oil fill / check and windshield washer fill to be at service hatch  Yes  No
- 4.24 Splash guards shall be provided on both sides of the engine, from the top of the frame to the bottom of the inner fender  Yes  No
- 4.25 Stationary chrome grille to be supplied  Yes  No
- 4.26 H.D. cooling with stone guard in front of radiator  Yes  No
- 4.27 Anti-freeze shall be supplied to -40 degrees C  Yes  No
- 4.28 Cab controlled valve for air intake – summer /winter  Yes  No
- 4.29 Front full width ¼ fender mud flaps  Yes  No
- 4.30 Front rubber fender extensions  Yes  No

**5 Chassis**

5.1 Cab to Axle 112"

5.2 Wheel base shall be approximately 180"

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5.3 Bumper to back of cab shall be 107" minimum

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5.4 Rear Suspension 31,000-lb Capacity with 4500lb Auxiliary Rubber Spring

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5.5 Back up alarm to be 102 DBA

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**6 Cab**

6.1 Cab shall be fully air-ride  Yes  No

6.2 Full gauge package to include engine oil pressure (electronic), water temperature (electronic), volt meter, washer fluid level, odometer display in KM, trip in KM, engine hours, trip hours, fault code readout, electronic fuel gauge  Yes  No

6.3 Warning system for low fuel, low oil pressure, high engine coolant temperature, low battery voltage (visual and audible)  Yes  No

6.4 Two way radio wiring  Yes  No

6.5 All windows to be factory tinted  Yes  No

6.6 Dual air horns shall be supplied  Yes  No

6.7 Premium cab trim with premium sound package

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6.8 Seat cushions - upholstered construction vinyl with cloth inserts  Yes  No

6.9 Driver seat – premium driver seat shall be National Air Ride or equivalent – high back with inboard armrest  Yes  No

6.10 Driver seat shall be adjustable fore and aft and the backrest tilt of each shall be adjustable. Premium driver seat shall be fully padded and of heavy duty construction and shall be air ride  Yes  No

6.11 Passenger seat a fixed non-suspension seat, not adjustable  Yes  No

6.12 18" steering wheel with tilt and telescopic column  Yes  No

- |      |  |                              |                             |
|------|--|------------------------------|-----------------------------|
| 6.13 | O.E.M. power windows shall be supplied with controls on both sides and can be easily controlled from driver's side   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6.14 | Heavy duty floor mat - rubber, felt backing  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6.15 | Two dash-mount cup holders to be supplied  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6.16 | Sun-visors - dual, to be supplied  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6.17 | Exterior sun visor to match cab colour c/w flush mounted LED clearance lights  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6.18 | In dash 12 volt power supply shall be supplied   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6.19 | Windshield Wipers – dual two speed electric with intermittent features   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6.20 | Wipers shall have 15" rubber winter blades. <b>Overhead wipers not accepted</b>  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6.21 | O.E.M. cowl tray to prevent snow build-up at bottom of windshield  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6.22 | Heated front windshield  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6.23 | Windshield washers shall be supplied   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
|      | State fill capacity and location of reservoir:_____  |                              |                             |
| 6.24 | Mirrors – two (2) outside shall be supplied. Outside mirrors shall be 6" x 16" minimum, West Coast type, with lights and heaters. #75-4432 or approved equivalent<br>Two (2) convex mirrors – 8" minimum | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6.25 | Grab bar on driver's side shall be supplied  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6.26 | Lower and intermediate aluminium foot steps, both sides shall be supplied  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6.27 | Fresh air heater, defroster and O.E.M. air conditioning shall be supplied  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6.28 | Aluminium steps shall be supplied  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6.29 | 5 lb. fire extinguisher mounted beside the driver's seat and accessible when driver's door opened  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

- 6.30 First aid kit mounted to rear of cab wall  Yes  No
- 6.31 Triangle reflector kit  Yes  No
- 6.32 Tachometer shall be supplied  Yes  No
- 6.33 Centre dome and reading lights  Yes  No
- 6.34 Electronic type steering wheel mounted throttle / cruise control shall be supplied  Yes  No
- 6.35 Factory installed manufacturers standard AM/FM radio/clock with Bluetooth shall be supplied  Yes  No
- 6.36 Premium O.E.M. Sound suppression kit shall be installed in cab  Yes  No
- 6.37 Instruments – voltmeter, oil pressure and water temperature gauges with low oil pressure and high water temperature alarm bell or buzzer  Yes  No
- 6.38 Fresh air intake filter shall be supplied  Yes  No

**7 Frame**

- 7.1 Resisting bending moment (section modulus x yield strength) shall be 3,800,000 P.S.I. minimum (double frame)  
Specify RBM: \_\_\_\_\_
- 7.2 Frame yield strength shall be 120,000 P.S.I. minimum  Yes  No
- 7.3 Section Modulus shall be 31.7 cubic inches minimum  
Section MOD: \_\_\_\_\_
- 7.4 Specify frame dimensions (depth x width x thickness)  
\_\_\_\_\_
- 7.5 Specify dimensions of frame reinforcement  
\_\_\_\_\_
- 7.6 After-frame to be 75" minimum  
\_\_\_\_\_
- 7.7 Satisfactory mounting of snow plow cheek plates shall be possible  Yes  No
- 7.8 Front end of engine shall have a front mount crank adaptor to drive a body builders installed front-mounted pumps  Yes  No



7.9 No front PTO shaft required but all provisions for installing one shall be made  Yes  No

**8 Steering**

8.1 Heavy duty dual power steering boxes shall be supplied  Yes  No

**9 Axles**

9.1 Set back front axle shall be 20,000 lbs capacity minimum \_\_\_\_\_ lbs.

9.2 Front axle shall have oil bath bearings supplied  Yes  No

9.3 Rear axle shall be 31,000 lbs. capacity minimum \_\_\_\_\_

9.4 Differential lock with driver controlled lockup/with dash mounted control switch must be supplied \_\_\_\_\_

9.5 Appropriate ratio for 100 km/hr top speed \_\_\_\_\_

9.6 Allison Scaan to be provided  Yes  No

9.7 Rear axles to have synthetic lube  Yes  No

**10 Brakes**

10.1 Dual air brake system ABS to include sealed brake chambers  Yes  No

10.2 Service brakes - full air with minimum 13.2 CFM compressor shall be supplied  Yes  No

10.3 Air tanks situated for maximum clearance  Yes  No

10.4 Parking brakes – positive spring type  Yes  No

10.5 Front brakes, size 16.5" x 6" drum type Meritor Q Plus shall be supplied and shall be S. Cam-master or equivalent Size: \_\_\_\_\_  
Type: \_\_\_\_\_

- 10.6 Rear brakes - size 16.5" x 7" minimum shall be supplied and shall be S Cam type Meritor Q Plus or equivalent  
Size: \_\_\_\_\_  
Type: \_\_\_\_\_
- 10.7 Dust shields front and rear shall be supplied  Yes  No
- 10.8 Positive rear wheel - spring type parking brake shall be supplied with air reservoir and instrument panel control switch  Yes  No
- 10.9 Automatic slack adjusters shall be supplied  Yes  No
- 10.10 Asbestos-free brake lining shall be supplied  Yes  No
- 10.11 Means shall be provided to release the brakes from the cab with no pressure in the main air reservoir but with air pressure remaining in either secondary reservoir  Yes  No
- 10.12 Low pressure indicator shall be supplied  Yes  No
- 10.13 Automatic drain valves shall be supplied with heater to drain moisture from the air tank. Tank to have a separate manual  Yes  No
- 10.14 Drain included (BW DV-2 or approved equivalent)  Yes  No  
Model: \_\_\_\_\_
- 10.15 B-W AD-9 Air guard dryer  Yes  No
- 10.16 Suspended accelerator and brake and clutch pedals required  Yes  No
- 11 Wheels and Tires**
- 11.1 Dual rear wheels shall be supplied  Yes  No
- 11.2 Rear spare tire and aluminium rim required, as specified below  Yes  No
- 11.3 2 - Front rim size shall be 22.5 x 12.25 aluminium Accuride Hub Piloted or approved equivalent  Yes  No
- 11.4 4 - Rear rim size shall be 22.5 x 8.25 aluminium Accuride #30418-22.5 Hub Piloted or equivalent  Yes  No

11.5 Tire size and type of tread, front, shall be Michelin XZY-3 (425/65R x 22.5) 20 ply rating  Yes  No

11.6 Tire size and type of tread, rear, shall be Michelin 11R 22.5XDE M/S all terrain or equivalent 16 ply rating  Yes  No

11.7 Quality - first line, tubeless type  Yes  No

11.8 Aluminium rims shall be heavy duty 1 piece, demountable type and shall have load and pressure ratings equal to or greater than those of the tires and shall be drop centre type  Yes  No

11.9 Hub 'Pilot' type wheels shall be supplied  Yes  No

**12 Attachments**

12.1 Engine block heater "plug in under driver's door"  Yes  No

**13 Paint**

13.1 Outside cab paint shall be white – the specific colour to be chosen by the purchaser when the vehicle is ordered  Yes  No

**14 Fuel Tank**

14.1 One non-polished 80 U.S. gallon aluminium step tank with stainless steel straps mounted on left side

14.2 Tank shall not extend more than 10" beyond rear of cab

14.3 A heavy duty fuel oil separator with sight glass shall be supplied mounted outside left frame rail behind cab, Con Met 650 or approved equivalent  Yes  No

**15 Lights**

15.1 All Lights to be LED  Yes  No

15.2 Two fender mounted, 4" diameter, amber, directional lights, facing front  Yes  No

15.3 Rear red directional lights shall be supplied  Yes  No

- 15.4 Stop lights shall be supplied  Yes  No
- 15.5 Five identification streamlined flush mounted LED cab lights shall be supplied  Yes  No
- 15.6 Four-way flasher shall be supplied  Yes  No
- 15.7 Back-up lights shall be supplied  Yes  No
- 15.8 LED headlights with daytime running feature shall be supplied  Yes  No

**16 Wiring**

- 16.1 All wiring joints for tail lights, etc. shall be made by means of a waterproof junction box attached to the truck frame  Yes  No
- 16.2 A terminal panel shall be incorporated into the wiring system to access the following wiring circuits to add additional lighting for the body installation. Left, right turn, parking lights, back up lights  Yes  No
- 16.3 The fuse box shall incorporate circuit breakers  Yes  No
- 16.4 The turn signal flasher shall be electronic  Yes  No
- 16.5 Wiring will be supplied for trailer – 7 wire plug at rear of chassis frame  Yes  No
- 16.6 Electric brake controller in cab  Yes  No
- 16.7 Interface wiring access box mounted on back of frame  Yes  No
- 16.8 O.E.M. auxiliary plow wiring harness for front plow headlights to be provided  Yes  No

**17 Pintle Hook for Truck**

- 17.1 This unit will be required to tow and operate a 12-tonne trailer equipped with electric brakes  Yes  No
- 17.2 The mounting bracket will be of sufficient strength to pull a 12-tonne trailer  Yes  No

- 17.3 Two eyehooks will be installed on mounting bracket for trailer safety chains with a 7 pin plug  Yes  No
- 17.4 A 2" tub placed 22" above the ground in mounting plate to accept a receiver with retention pin  Yes  No
- 18 Additional**
- 18.1 Vehicle shall be supplied with a valid Preventative Maintenance Compulsory Vehicle Inspection (PMCVI) sticker  Yes  No
- 18.2 Krown Rust proofing on chassis and body  Yes  No
- 18.3 CPL automatic greasing system to be mounted at rear of cab (not to be on frame rail)  Yes  No

### Tender Form T-3

#### Specifications Checklist – One Way Snow Plow Viking VCL1359 with Power Tilt

		Confirmation	
1	This one-way snowplow shall conform with the provisions of MTO standards ES-414, except that the dimensions of this specifications shall prevail when the two contradict	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	The plow shall operate effectively and without modification with the MTO snowplow truck harness ES-401	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3	The weight of the plow shall range from 2,100 to 2,300 lbs and shall be constructed to prevent the accumulation of water in any area	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4	The plow shall have a hood extending 18" past the vertical centre line, in normal operating positions	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5	All ribs shall be of one-piece construction 100% welded both sides to the moldboard. The top edge of the moldboard shall be welded 100% to the ribs. The top rail of the moldboard shall be manufactured of 2 1/2" X 2 1/2" angle iron and welded securely to the ribs and moldboard with a continuous bead. All other welds must also be 100%	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6	The thickness of the moldboard and hood shall be 10 U.S.S. ga. (.1345) minimum		
7	The moldboard shall be pivoted to allow tilting in different positions	<input type="checkbox"/> Yes	<input type="checkbox"/> No
8	Moldboard adjustment to be done with 4" diameter 'hardened chromed' hydraulic cylinder with featherable control from inside the cab on integrated console between seats. Cylinder secured with a pin on the brace rod. A rod plow angle indicator gauge to be positioned on the one way so it is visible to the operator from the cab	<input type="checkbox"/> Yes	<input type="checkbox"/> No
9	Male end of adjusting brace assembly to be solid steel	<input type="checkbox"/> Yes	<input type="checkbox"/> No
10	Both male and female ends shall have 3/4" mounting pins	<input type="checkbox"/> Yes	<input type="checkbox"/> No
11	The female end shall be at the top to prevent the accumulation of water	<input type="checkbox"/> Yes	<input type="checkbox"/> No
12	Holes in drive bars for push frame shall be 1 1/4" diameter	<input type="checkbox"/> Yes	<input type="checkbox"/> No

- 13 The distance from the centerline of the holes to the end of the drive bar shall be 1 ½"  Yes  No
- 14 The overall length shall be 13'- 10" minimum. Plow shall clear 10' @ 37
- 
- 15 The plow shall be fitted with two V500-13 push frame carbide shoes  Yes  No
- 16 There shall be eight vertical ribs, 3 ½" high by 3/8" thick. Minimum weld between the moldboard and rib shall be 100% weld each side  Yes  No
- 17 The bottom rail on the moldboard shall be 5" x 3" x 1/2" angle below with a 3" x 2" x 3/8" gussets shall be welded between the two legs of the bottom angle, between each bolt hole, except for the two sets of end holes and between two holes in the middle of the moldboard. The moldboard shall be continuously welded to the bottom rails  Yes  No
- 18 The moldboard shall be designed for use with 3 piece carbide 3/4" cutting edge and carbide nosepiece. The cutting edge and nosepiece shall be supplied with carbide edges and nose piece. One piece steel cutting edge to be supplied and mounted behind carbide cutting edge with curb runner on right discharge side  Yes  No
- 19 Moldboard shall have a total bearing area (pin dia. times web thickness times number of webs involved) or 4 ½" square inches minimum at the point where the drive links attach  Yes  No
- 20 Trip link safety mechanism shall be incorporated the blade mechanism must return to the normal plowing position automatically. Trip springs must be secured with lock nuts  Yes  No
- 21 Two separate lift chains shall be used and these shall pick up on the drive frame at points approximately 48" apart  Yes  No
- 22 These lift chains shall be 1/2" dia. Grade 70 minimum
- 
- 23 The height of the shoes shall be adjustable as shown on MTO ES-521. Height adjustable one-way snowplow shoe holder  Yes  No
- 24 The shoes shall oscillate  Yes  No
- 25 The moldboard shall be formed in the shape of a smooth curve; plows w/breaks not acceptable  Yes  No

- |    |   |                              |                             |
|----|---|------------------------------|-----------------------------|
| 26 | The horizontal distance from the discharge end of the plow blade to the discharge end of the moldboard shall be 24" minimum   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 27 | A sturdy eye 1/2" thickness shall be provided at the centre of gravity for handling of the moldboard  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 28 | The design and quality shall meet MTO requirements  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 29 | The complete snowplow unit shall be black   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 30 | A spare parts manual shall be supplied  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 31 | A signed manufacturer's warranty shall be supplied  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 32 | A small step to be installed on the one way plow frame to assist the operator stepping up to the hood   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 33 | 1/2" x 12" rubber deflector shall be installed by bolting across complete top length of moldboard. Metal strapping shall be placed every 18 inches along the entire length of the deflector to keep the deflector from flapping while driving down the road | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 34 | 36" Orange plow marker on each end of plow  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 35 | Quick-Attach push frame swivel for plow hook up to Quick-Attach pockets on plow harness. Sleeved check cable to prevent plow from tipping over centre if pin breaks   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |



## Tender Form T-4

### Specifications Checklist – 12' Standard Wing Viking VCL 156 HP

		Confirmation	
1	Viking VCL 156 HP 12' standard wing or equivalent with hydraulic positioner, in compliance with the following specifications	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	The inside height of the wing shall be 29" minimum	_____	
3	The outside height of the wing shall be 39" minimum	_____	
4	Overall length of the wing shall be 12 feet	_____	
5	The thickness of the moldboard shall be 10 U.S.S. Ga. (.1345), minimum	_____	
6	Two drive ribs for connecting the wing brace shall be provided	<input type="checkbox"/> Yes	<input type="checkbox"/> No
7	The drive ribs shall be located approximately 8' 6" and 10' 10" from the nose end of the wing	<input type="checkbox"/> Yes	<input type="checkbox"/> No
8	The plate for mounting the wing to the wing post shall be 1" thick. The mounting hole shall be far enough from the edge of the plate to avoid failure in this area	_____	
9	Lower wing angle shall be 6" X 4" X 3/4"	<input type="checkbox"/> Yes	<input type="checkbox"/> No
10	The mounting of the nose end of the wing to the wing post shall be by means of a hinge and rectangle spring, to allow tipping over the wing	<input type="checkbox"/> Yes	<input type="checkbox"/> No
11	Two adjustable wing braces shall be supplied	<input type="checkbox"/> Yes	<input type="checkbox"/> No
12	The upper brace shall be of a stock release type, including a spring retraction. The spring shall provide adequate stability of the wing in normal operating conditions, and shall retract the wing from tip-over position	<input type="checkbox"/> Yes	<input type="checkbox"/> No
13	The distance between the center of the mounting holes of the wing braces shall be as follows:		
	Upper brace	Extended 90" C.C.	_____
		Collapsed 60" C.C.	_____
	Extended distances shall be measured with spring fully retracted		
	Lower brace	Extended 88" C.C.	_____
		Collapsed 58" C.C.	_____

- 14 One spare pin for adjusting the wing braces shall be supplied with each brace  Yes  No
- The wing shall be fitted with the following:
- 15 The wing HIGH WEAR blade in lieu of standard ½” cutting edge  Yes  No
- 16 One wing shoe MTO ES-509 with curb runner on end of wing  Yes  No
- 17 The top edge of the wing shall be boxed in and welded 100% to the ribs and the moldboards so as to avoid all pockets  Yes  No
- 18 Wing prepped and painted black as per section 34 of this tender  Yes  No
- 19 One 36” orange plow marker mounted @ rear of wing  Yes  No
- 20 Conspicuity safety tape on wing trip arms and on rear edge of wing  Yes  No
- 21 A safety chain shall be attached at front of the wing to the moldboard and not the pivot  Yes  No
-

## Tender Form T-5

### Specifications Checklist – 8” Front Wing Post

#### Confirmation

- |    |   |                              |                             |
|----|---|------------------------------|-----------------------------|
| 1  | Model: _____  |                              |                             |
| 2  | The rear wing slide and 3” dia. x 36” stroke D.A. ‘hardened chromed’ hydraulic ram cylinder shall be mounted on the outside of the rear mast beam, to operate the wing braces   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 3  | The design and construction of the wing post shall be in compliance with MTO ES403, or be equivalent design approved by the MTO. Brace “A” li ES403 shall be replaced by a second sturdy cross member. This cross member shall be bolted to both cheek plates | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4  | The wing post shall be made of 8” I-Beam, 18.4 lb. /ft., minimum. Cross member shall be of heavy construction to sustain snowplowing operation in severe conditions   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 5  | The wing post, when mounted, shall not be higher than the wing tower  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6  | The sheave pin shall be provided with a grease fitting and an oilite bushing  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 7  | A safety stop, limited slide travel shall be supplied   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 8  | Lifting cable shall not be mounted to the hinge pin   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 9  | An 8” grab link shall be located halfway between upper and lower position of bolt “D” as shown on ES403   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 10 | Front slide shall be provided with a tip over, arrangement. A spring shall be included to return the blade to normal position after it has tripped  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 11 | Bottom of wing post shall be approx. 11” from the ground, truck empty, and shall be protected by a shoe   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 12 | A 3” x 30” stroke D.A. ‘hardened chromed’ cylinder shall be mounted on the inside of the front post and shall operate the front wing slide through 2 (6” dia.) sheaves and a cable  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 13 | Cross member must be bolted to wing post  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 14 | 6” overhang shall be left on cross members to allow lateral movement for mounting the wing post on future trucks  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

- |    |  |                              |                             |
|----|--|------------------------------|-----------------------------|
| 15 | Guide bars for the slide shall be welded 100% up 2' from bottom  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 16 | Design and quality must be approved by the MTO   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 17 | The wing post and cross member shall be painted black  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 18 | A parts manual shall be supplied with each unit  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 19 | 12" heated convex mirror shall be mounted to back side of post to enable driver to view down the curbside of the truck | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 20 | 2 – Grote 64G11 lights on front top wing post 18" adjustable mounting bracket c/w separate marked in cab switches      | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 21 | Aeon rubber helper kit installed on both sides to factory chassis springs to aid in winging operation                  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

## Tender Form T-6

### Specifications Checklist – Full Hydraulic Snow Plow Wing Tower - Viking Model VCL 350SCL

		Confirmation	
1	Additional MTO X-MEMBER approx. 10" behind cab to be supplied and installed by body builder to compensate for rear wing tower / wing and hydraulics	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	The harness assembly shall be of heavy construction to sustain snowplowing operations under severe conditions	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3	A reservoir of 35 U.S. gallon capacity shall be supplied but must not interfere with the operation of the box. Shut off ball valves shall be installed on outlet lines at the reservoir	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4	Bottom of wing tower shall be protected by shoe, and shall have a ground clearance of 14" minimum, truck empty	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5	The spacing of the holes in the slides for connecting the wing braces shall be approximately 17"	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6	Approved size of ram controlling the front end of wing shall be 3" dia. x 30" stroke approx. with a cable and sheave assembly	<input type="checkbox"/> Yes	<input type="checkbox"/> No
7	The first channel shall be 4" x 66 1/2" 13.8 lb/ft. slopping diagonal brace	<input type="checkbox"/> Yes	<input type="checkbox"/> No
8	The second channel shall be 4" x 40" 13.8 lb/ft. horizontal brace bolted to the chassis rails and welded to the brace box	<input type="checkbox"/> Yes	<input type="checkbox"/> No
9	Two triangular stiffeners shall be incorporated into the assembly	<input type="checkbox"/> Yes	<input type="checkbox"/> No
10	To provide additional support the oil reservoir shall act as an auxiliary support post	<input type="checkbox"/> Yes	<input type="checkbox"/> No
11	The oil reservoir shall be connected at the top to the rear post through two 4 x 4 x 3/8" angles, and be mounted in a vertical position directly along the side of the rear post	<input type="checkbox"/> Yes	<input type="checkbox"/> No
12	The bottom of the oil reservoir shall also incorporate two 4 x 3 x 3/8" angles one welded to the oil reservoir and the other welded to the brace box	<input type="checkbox"/> Yes	<input type="checkbox"/> No

- 13 Hydraulic hoses shall connect the rams of the tower with the valves in the control box. Hoses shall be two ply braided steel, SAE100R2 with swivels on both ends  Yes  No
- 14 All sheave pins shall be provided with oil impregnated bronze bearings and grease fitting  Yes  No
- 15 A safety chain shall be provided for securing wing when not in use  Yes  No
- 16 Guide bars to contain the rear wing slide shall be welded 100% from the bottom up 2 feet  Yes  No
- 17 Parts manual shall be supplied with each unit  Yes  No
- 18 Tower assembly to be prepped and painted black  Yes  No
- 19 Snow Plow Wing Tower unit shall be removable design to reduce added weight in non-spreading applications / off seasons  Yes  No
- 20 Any hydraulic cylinders connected to the wing tower where the rod is exposed during normal snow plowing operations shall be protected from debris coming off of the snowplow wing. All hydraulic fittings not on valve body to be wrapped with Denso tape  Yes  No
- 21 Two (2) adjustable needle valves in hydraulics behind cab to allow operator to be able to slow / speed up and down wing function mode  Yes  No
- 22 One (1) Grote 64G11 rear upper wing light with marked cab control on floor pedestal  Yes  No
- 23 Hydraulic Controls**
- 23.1 Hydraulic Control Valves will be stackable sectional type HCD-6 with HCD6-L20 air shift. One valve bank to be located at right front hitch to operate for functions including plow, front wing, power tilt moldboard and power tilt hitch  Yes  No
- 23.2 The rear control valve to be mounted to the rear of cab will include the following 3 sections:  
One (1) D.A. Rear of Wing  
One (1) D.A. Wing Brace  
One (1) S.A. Body Hoist  Yes  No
- 23.3 The hydraulic control valves will be operated by proportional featherable in cab air controls  Yes  No

- |       |  |                              |                             |
|-------|--|------------------------------|-----------------------------|
| 23.4  | The control panel assembly shall be an integrated cab control  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 23.5  | Valve flow control needle valve adjustors shall be included for rear wing controls   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 23.6  | An oil reservoir of 35 U.S. gallon capacity shall be supplied complete with oil filter oil level sight / temperature gauge, breather type filler cap, drain plug and oil shut off ball valve | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 23.7  | A low-level hydraulic oil indicator shall be supplied with in cab warning light and audible buzzer   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 23.8  | The complete valve stack assembly will be mounted vertically on a ¼" mounting plate, integral with the rear wing tower assembly  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 23.9  | The valve mounting plate will be welded to the horizontal channel and sloping diagonal brace   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 23.10 | The valve assembly will be completely open and easily accessible from the driver's side of the chassis for washing and maintenance   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 23.11 | There shall be a high-pressure hydraulic filter  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 23.12 | A low pressure filter to be supplied on the hydraulic return line  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

## Tender Form T-7

### Specifications Checklist – Tandem Dry Mode Front Mount Hydraulic Pump

		Confirmation	
1	The hydraulic pumps supplied shall be a Dowty model	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	2PL158/220 Tandem Dry Mode with air shift controls to engage		
		Model:	_____
		Make:	_____
3	The first stage shall produce 24.5 G.P.M. at 2,000 R.P.M. and 1,200 P.S.I.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4	The second stage shall produce 29.2 G.P.M. at 2,000 R.P.M. and 1,200 P.S.I.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5	Pump mounting plate and splined 'machined / balanced tube drive shaft' shall be supplied	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6	The pump shall be driven from the crankshaft	<input type="checkbox"/> Yes	<input type="checkbox"/> No
7	The pump shall have a manufacturer's R.P.M. rating equivalent or higher than that of the truck engine at governed speed	<input type="checkbox"/> Yes	<input type="checkbox"/> No
8	Hydraulic hoses to connect pump shall be supplied. Their size shall be adequate for quick operation of all hydraulic operations and shall be 2-ply braided steel SAE100RS, with swivels on both ends	<input type="checkbox"/> Yes	<input type="checkbox"/> No
9	The drive shaft shall be supplied with spline long enough to allow telescopic retraction of the shaft in order to change fan belt without removing the pump	<input type="checkbox"/> Yes	<input type="checkbox"/> No
10	The hydraulic system must be set up so all other hydraulic functions do not starve the sander equipment	<input type="checkbox"/> Yes	<input type="checkbox"/> No
11	The first stage of the pump will be dedicated to the operation of the spinner and conveyor system	<input type="checkbox"/> Yes	<input type="checkbox"/> No
12	The second stage of the pump will operate all plow / wing functions and the body hoist	<input type="checkbox"/> Yes	<input type="checkbox"/> No
13	Single stage one section hydraulic gear pumps will not be acceptable	<input type="checkbox"/> Yes	<input type="checkbox"/> No



- 14 There will be no flow divider valves used to split oil flows between spreader and plow / wing functions  Yes  No
- 15 A parts manual shall be supplied with each unit  Yes  No
- 16 All hydraulic hoses to be routed, tied and/or wrapped to prevent pre-mature wear  Yes  No
-

## Tender Form T-8

### Specifications Checklist – Viking All Season Combination Dump Body-Spreader

		Confirmation	
<b>1</b>	<b>General</b>		
1.1	<p>General: These specifications describe an all season combination dump body and sand/salt spreader. The dump box shall remain stationary on the chassis frame while spreading. Rear discharge shall be front hoist tilt action as per conventional dump bodies. The unit will be oval shaped to permit gravity flow unloading. The main conveyor will be centered and recessed along the length of the box. The cross conveyor will be chassis frame mounted with spreader discharge on the front left side (drivers) of dump box</p>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.2	<p>The spreader body offered by the bidder under this specification shall be the manufacturers latest model standard commercial product and shall have demonstrated and proven industry acceptance by having been manufactured and sold in significant numbers to Municipalities and bidders, and shall have been proven in service for at least one year prior to the issuing of this tender document</p>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.3	<p>The bidder must be able to demonstrate a solid history of use of the combination U-body/spreader offered in this tender by Ontario Municipalities, for a minimum period of one year, and references must be supplied as specified below</p>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.4	Prototype units will not be acceptable		
1.5	Viking Model PL 1112HW11	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.6	Steel Dump Body	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.7	<p>Dimensions: To provide optimum combination of legal payload and capacity all dimensions below are maximum / minimum and will be exactly as specified</p>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.8	<p>Body shall be smooth oval shaped, with no breaks in sidewalls allowing materials to unload by gravity flow into spreading position</p>	<input type="checkbox"/> Yes	<input type="checkbox"/> No

1.9	Total weight of the complete body assembly in ready to work condition including hoist, tarp, tailgate, cross conveyor, main conveyor, and all other required components		lbs.
1.10	Water level capacity will be 6 cubic yard minimum	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.11	Water level capacity with 10" sideboards will be 9 cubic yard minimum	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.12	Outside length 11' approx.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.13	Inside length 10' approx.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.14	Overall width 8' (96") approx.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.15	Height of sides 38" from conveyor floor	<hr/>	
1.16	Height of tailgate 46" from conveyor floor	<hr/>	
1.17	Height of front panel approximately 53".	<hr/>	
1.18	Front wall panel to be constructed from 3/16" one piece steel	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.19	Body front head, 3/16" steel	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.20	The front wall of the body will be completely clean and clear of any type of recesses or protrusions into the body of any kind, including hoist dog house, bulkheads, etc.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.21	The front panel slope will be continuous and uninterrupted for the full length: top to bottom	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.22	Top rail of body will be formed tube from steel	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.23	Body sides to be fabricated from 3/16" steel	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.24	Rear vertical corner posts will be fabricated in such a way as to include provision for rear facing lighting requirements, i.e., stop/tail/turn/ back-up lights as well as strobes	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.25	Rear vertical corner posts to be tied to integrally with radius side panels and horizontal top rails, welded 100%	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.26	Rear vertical corner posts fabricated in such a way as to include provision for rear facing lighting requirements	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1.27	Body construction shall include integral side fabricated from steel	<input type="checkbox"/> Yes	<input type="checkbox"/> No

- |          |   |                              |                             |
|----------|---|------------------------------|-----------------------------|
| 1.28     | Integral full-length body fenders to be sloped away from unit to prevent any excess material spill over   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 1.29     | Chassis mounted aluminium fenders   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 1.30     | Dump box access ladder shall be 15" wide located on curb side at rear of body and to be MTO fold-up style below rub rail. 1 step to be located inside of the box for in box service | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 1.31     | Adjustable fold down windrow salt chute to be provided  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <b>2</b> | <b>Hoist</b>  |                              |                             |
| 2.1      | Hoist shall be a front mounted Mailhot M110 three stage telescopic with 4.5" bore   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2.2      | Hoist class shall be 80 / 20 ton capacity   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2.3      | Cylinder stroke shall be 110"min  |                              |                             |
| 2.4      | Hoist control valve shall be air operated and featherable from within cab   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2.5      | Hoist cylinder will be rod sealed   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2.6      | Hoist to be nitrated  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2.7      | Dump box tipping angle shall be 50 degrees from horizontal  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2.8      | Rear body hinge diameter shall be 2.5" c/w grease fittings  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2.9      | Body safety prop to integrate with rear body hinge  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <b>3</b> | <b>Tailgate</b>   |                              |                             |
| 3.1      | Tailgate shall be 'U' shaped  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 3.2      | Tailgate height shall be 46" from conveyor floor  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 3.3      | Upper hinge plates to be offset design, Flame Cut 1" steel plate  |                              |                             |
| 3.4      | Tailgate shall be oval shaped to allow use of asphalt or gravel spreaders   |                              |                             |
| 3.5      | Construction shall be of steel with 3/16" formed cross bracing for integral strength  |                              |                             |
| 3.6      | Exterior vertical side support tubes to be 3 1/2" x 3 1/2" x 1/4" wall HSS tubing   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

- 3.7 Latch mechanism for the tailgate shall be air operated, using two air brake pot booster chambers, actuated from within cab by means of air control switch on floor pedestal  Yes  No
- 3.8 Brake chambers, one right side and one left side, enclosed and protected by integral full-length body fenders  Yes  No
- 3.9 Bolt on steel protector cover plates to underside of integral body fenders for each gate brake chamber  Yes  No
- 3.10 Asphalt chute gate and apron located at the bottom center of the tailgate  Yes  No
- 3.11 Interior measurement of the asphalt gate will be approximately 25" wide by 14" high  Yes  No
- 3.12 The asphalt gate will have a height adjustable door with locking latch assembly and cantilever type operating mechanism to outer right hand (curbside) side of body for operator's safety  Yes  No
- 3.13 Spreader chains and brackets shall be supplied on tailgate and rear apron. Chains shall be grade 70-coil proof 3/8" minimum  Yes  No
- 
- 4 Main Conveyor**
- 4.1 The main conveyor shall be centered and recessed along the length of dump box floor  Yes  No
- 4.2 One piece formed construction, minimum 25" wide  Yes  No
- 4.3 Constructed of 3/16" 304L stainless steel  Yes  No
- 4.4 Conveyor floor is 1/4" Hardox 450 H.D. steel rated @ 180,000 > 203,000 P.S.I.  Yes  No
- 
- 4.5 Permanent non-removable built in protective main conveyor chain link covers  Yes  No
- 4.6 The protective covers will run from the front to the rear of the body, right and left side of the main conveyor  Yes  No
- 4.7 The protective non-removable main conveyor link covers will protect the main conveyor chain links from damage by impact at all times in all operation modes  Yes  No
- 4.8 A removable rubber conveyor chain cover will be supplied  Yes  No

- |       |  |                              |                             |
|-------|--|------------------------------|-----------------------------|
| 4.9   | The conveyor chain shall be self-cleaning D667 pintle type with a minimum tensile strength of 21,700 PSI, spaced 21" on center                     | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4.10  | Main conveyer shall be 6667X pintle chain with 1/2" x 1 1/2" cross flights welded to every 2nd. link (approx. 4.5" spacing)                        | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4.11  | All conveyor flights shall be 100% fully welded to the chain links   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4.12  | Drive and idler shafts to be 2" diameter   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4.13  | Drive and idler shafts manufactured from high-resistance stress-proofed SAMSOM 100   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <hr/> |  |                              |                             |
| 4.14  | Drive and idler sprockets to minimum eight (8) tooth cast steel  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4.15  | All drive and idler sprockets to minimum C1030 cast steel  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4.16  | Planetary drive for main conveyor  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4.17  | Main conveyor drive shall be a single 25:1 high efficiency planetary drive with high torque low speed motor  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4.18  | The planetary drive shall deliver 50,000 IN/LB torque intermittent with 34,960 IN/LB constant  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4.19  | Planetary drive close coupled to main conveyor shaft<br>Specify Make: _____<br>Specify Model: _____  |                              |                             |
| 4.20  | Connection of the planetary drive shaft to main conveyor shaft shall be accomplished by a split two (2) piece rectangular shaped coupler assembly  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4.21  | The upper and lower half of the coupler assembly will be bolted together by (4) 5/8" x 4 1/2" N.C. Grade 8 Hex Head bolts                          | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4.22  | Removal of the (4) coupling bolts will allow simple disassembly of the planetary drive shaft from the main conveyor shaft, for ease of maintenance | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4.23  | The two main conveyor drive shaft flange bearings will be bolted directly to the body long sill weldments  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4.24  | Each of the two body long sill weldments will be vertical  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

- slotted. Simply removing the drive shaft flange bearings and uncoupling the planetary and main conveyor drive shafts will allow the entire main conveyor drive shaft assembly to drop out through the vertical longslit slots providing easy access and simple maintenance
- 4.25 Idler end of main conveyor will also be vertical slotted drop out design as described above  Yes  No
- 4.26 The flow control gate between main and cross conveyors shall be screw adjustable by hand crank from driver's side at front of body  Yes  No
- 4.27 The flow control gate will be flush and even with the front of the body without any type of recess  Yes  No
- 4.28 Underside of main conveyor to be complete with full-length poly guard to prevent material spillage on to chassis frame and components  Yes  No
- 5 Chain Cross Conveyor**
- 5.1 Cross conveyor weldment shall be fabricated from 304L stainless steel plate  Yes  No
- 5.2 The cross conveyor shall be operated from inside the chassis cab  Yes  No
- 5.3 Cross conveyor assembly to mount on chassis frame independent from and in front of main body  Yes  No
- 5.4 Cross conveyor unit shall be removable design to reduce added weight in non-spreading applications / off seasons  Yes  No
- 5.5 The cross conveyor assembly shall be used to discharge material from main conveyor to the left side spinner assembly. All bearings shall be greaseable  Yes  No
- 5.6 The cross conveyor chain shall be a pintle chain 3/16" x 1" crossers every 4" with a min. tensile strength of 17,000 lbs  Yes  No
- 6 Spinner**
- 6.1 A polyurethane spinner shall be installed on left hand side (driver side) to spread ahead of rear wheels complete with anti-coning bar device  Yes  No
- 6.2 Poly lined chute for spinner assembly  Yes  No
- 6.3 Poly line right hand / curbside material chute  Yes  No

- 6.4 A 3.0 cubic inch hydraulic motor shall drive the spinner assembly  Yes  No
- 6.5 The spinner height shall be adjustable from 20" to 28" below the mounting surface of the body  Yes  No
- 6.6 The spinner shall be capable of spreading evenly up to a 20' radius with a main operating range of 0' to 15' radius  Yes  No
- 6.7 Spinner assembly shall be capable of discharge rate from 100 lbs. / lane mile to 2500 lbs. / lane mile  Yes  No
- 6.8 Spinner position adjustable fore and aft horizontal along chassis frame rails  Yes  No
- 6.9 Spinner assembly will be flip up style allowing the spinner assembly to be carried in an on board stored raised position for off-season / off road operation  Yes  No
- 6.10 Hydraulic hoses to the spinner motor are to be Safeway S70 dripless quick disconnect couplers for ease of hook-up and removal of spinner assembly with the male plugging into the female end on the spinner motor and the hoist frame saddle when the spinner is disconnected / removed  Yes  No
- 6.11 Grote 64G11 spinner light with marked cab control on floor pedestal  Yes  No
- 7 Sander Controls**
- 7.1 Dickey-John control point electronic spreader in-cab controller for of granular material only. Two section valve block (spinner, conveyor) cabling harness  Yes  No
- 7.2 Controller to come with up to date computer software for setting spread rates  Yes  No
- Software version: \_\_\_\_\_
- 7.3 Automatic granular reduction feature to be included  Yes  No
- 7.4 Main conveyor sensor motor and adaptable cable  Yes  No
- 7.5 The truck ground speed shall be obtained by the use of a speed sensor attached to the truck transmission. The speed sensor will be available from the truck dealer  Yes  No
- 8 Paint**
- 8.1 Plow equipment shall be shot blasted and zinc primed, finish paint acrylic urethane, IMRON 5000 – Baked Finish  Yes  No



- 8.2 Dump Body: Yellow Paint Code: 4421 School Bus Yellow  Yes  No
- 8.3 All Plow Equipment: Black in colour  Yes  No
- 8.4 Conspicuity safety tape package on lower sides of body and on tailgate  Yes  No

**9 Load Cover**

- An air tarp shall be standard equipment with fabricated tarp arms dimensions of 1 ½" x 2 ½" steel tubing; 1/8" mesh tarp; and two (2) 14" stroke air cylinders mounted to sides of body. Tarp arms to be dog legged to allow arms to be moved forward allowing better loader access and less chances of damage to tarp arms. In cab air operated control on floor pedestal
- 9.1  Yes  No
- 9.2 10 inch hardwood sideboards painted black installed on each side of truck box  Yes  No
- 9.3 Mud flaps fore and aft of rear axle, frame mounted by full width steel flat bar with stop bar stiffener  Yes  No
- 9.4 Conspicuity safety tape package on lower sides of body and on tailgate  Yes  No

**10 Lights and Wiring**

- 10.1 Lights and wiring shall be completely sealed with corrosion and vapor proof lamps and junction box  Yes  No
- 10.2 Two upper plug-in rear MTO detachable light trees /stops /turn /tail and upper sealed beam red lights. LED blue on driver's side and amber on passenger side. One tree each side of body with separate 7 wire trailer plug in  Yes  No
- 10.3 For improved rear visibility, Grote LED 6" round stops, tail and directionals with two (2) standard in-candescent back-ups to be mounted in rear corner posts within 3" of the outside of the tailgate  Yes  No
- 10.4 Grote rubber grommeted 2 ½" corner body clearance marker lights  Yes  No
- 10.5 Grote 'Ultra' Blue Seal wiring harness only to be supplied and installed. Betts sealed electrical junction box mounted behind cab above frame on driver's side for all body lighting. 9 electrical back lit body light rocker switches / 12 function – integrated circuits in aluminum control panel mounted on swivel pedestal between seats  Yes  No

- 10.6 Grote 4" AMBER and BLUE strobes mounted in stainless steel boxes at rear frame rails below body with in cab switch  Yes  No
- 10.7 Grote 17" low-profile mini light bar GRT76770 mounted at back of cab on adjustable light pole/pedestal with separate marked cab switch on pedestal  Yes  No
- 10.8 Grote LED Amber and Blue strobes up at top corners of body, one each side of gate, marked switch in cab. Spare amber lens, 3 lights in total  Yes  No
- 10.9 Grote LED model 64G11 conveyor light back of cab on separate switch  Yes  No
- 10.10 All auxiliary lighting will plug directly into chassis O.E.M. connection: cutting, splicing, soldering or shrink tubing of connection is not acceptable  Yes  No
- 10.11 Headlight selection between plow headlights and OEM will be provided by the means of an auxiliary O.E.M. switch in the cab  Yes  No
- 
- 10.12 License plate provision c/w light on rear of body c/w light. Original OEM truck tail lights to remain operational on the truck  Yes  No

## Tender Form T-9

### Specifications Checklist – Hydraulic Front Tilt Harness- Viking Model VCL 500T

		Confirmation	
1	Viking Model VCL 500T	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2	The front plow harness will tilt forward to allow the chassis hood to tilt forward over centre of its pivots and stay open without the need of any additional supports	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3	The harness tilt and return function will be performed by the operator from inside the chassis cab via feather air over hydraulic control	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4	One single non-load bearing locking shaft will be manually removed prior to performing the tilt function	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5	The single lock shaft will have an outside diameter of 1 1/2" and overall length will be a minimum of 30"	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6	A handle will be provided on one end of the lock shaft 4" square, 3/8" tube by 3/4", the other end will be chamfered at 30 degrees	<input type="checkbox"/> Yes	<input type="checkbox"/> No
7	The lock shaft will when installed be located inside the full-length connecting tube	<input type="checkbox"/> Yes	<input type="checkbox"/> No
8	The connecting tube and lock shaft assembly will together form the upper connection point of the cheek plate weldment to the front plate assembly	<input type="checkbox"/> Yes	<input type="checkbox"/> No
9	The connecting tube overall length will be 23 3/8", inside 1.612", outside diameter of 1.90"	<input type="checkbox"/> Yes	<input type="checkbox"/> No
10	The hydraulic power tilt cylinder will be double acting 2 1/2 "with a 6" stroke	<input type="checkbox"/> Yes	<input type="checkbox"/> No
11	Two lower pivot tubes will be provided, the outer pivot tube will be connected to the right and left side cheek plates, the inner pivot tube will be permanently attached to the front plate assembly	<input type="checkbox"/> Yes	<input type="checkbox"/> No
12	The inner pivot tube will rotate forward inside the outer pivot tube allowing the front plate assembly to travel forward into the tilted position and will rotate rearward to return the front plate assembly to the normal working position	<input type="checkbox"/> Yes	<input type="checkbox"/> No

- 13 The inner pivot tube will be 4" outside diameter 2 3/4" inside diameter, 52" long seamless mechanical tubing  Yes  No
- 14 There will be two inner pivot tube gussets 1/2" plate, 18 13/16" long, 5" wide tapered to 2 1/4"  Yes  No
- 15 End plate located on inner tube 1/2" material 12" x 6" to provide lower mounting location for wing front post  Yes  No
- 16 The outer pivot tube will be 5 9/16" outside diameter, 4 1/16" inside diameter, 25 3/8" long extra heavy pipe  Yes  No
- 17 There will be two outer pivot tube gussets 1/2" plate, 8" x 8" triangular  Yes  No
- 18 Outer pivot tube fitted with three 1/8" NPT Grease fittings for lubrication, one each located approximately 2" in from the end of the tube and one located in the centre  Yes  No
- 19 The front plate will be one solid piece of 3/8" steel plate with cut out of sufficient size to allow cooling of the chassis radiator  Yes  No
- 20 Overall height of the front plate will be 49" with a 5 1/4" 90° bend at the top and a 2" 90° bend at the bottom  Yes  No
- 21 Overall width of the front plate will be 57 1/2" at the top and 40" at the bottom  Yes  No
- 22 Right and left side plates, 15 3/4" maximum width by 49 1/4" high 3/8" plate welded to the front plate  Yes  No
- 23 Upper cross channel 6" by 52" 13 lbs./ft. welded to the right and left side plate  Yes  No
- 24 End plate located on upper cross channel 1/2" material 12" x 6" to provide upper mounting location for wing front post  Yes  No
- 25 1/2" steel plate pump and tilt cylinder-mounting bracket welded to the cheek plate assembly, 24 1/4" wide by 18 1/2"  Yes  No
- 26 Cheek plates will be specified to suite chassis frame rails, 1/2" steel plate and will extend back along the chassis frame rails as far as possible  Yes  No

- 27 Fasteners attaching cheek plates to the chassis frame rails will be minimum grade 8 N.C. hex head bolts  Yes  No
- 28 Two pairs of drive ears 100% welded to the front plate spaced at standard 30 1/2" centers  Yes  No
- 29 Three sets of plow drive bar connection holes located in drive ears height to lower drive connection 19" mounted with truck empty  Yes  No
- 30 Plow attachment to plow harness by means of bolt up to 3-hole drive ears welded on to face of plow harness plate. Hydraulic plow lift cylinder, double acting 4" diameter with 10" stroke, cylinder rod chrome plated. Plow lift yoke 3/4" steel plate, braced with two 1/4" x 2" flat bar diagonal braces  Yes  No
- 31 Front plate to be complete with quick-tach hitch pockets and drop in pins for plow hook-up  Yes  No
- 32 Two mounting locations in lift yoke to provide location for mounting of plow hydraulic lift cylinder in winter operating position and stored summer position  Yes  No
- 33 Mounting plates for plow lift cylinder, lift yoke and lift yoke braces all 1/2" steel plate 100% welded to front plate  Yes  No
- 34 Lift yoke brace mounting plates positioned to provide minimum 23.5" span  Yes  No
- 35 Two LED plow lights with high and low beam and built in integral directional with switch in cab  Yes  No
- 36 Right and left side plow light mounting brackets extending 7" up from top of front plate with light mounting positions on 55" centers. License plate provision at top driver's corner of harness  Yes  No
- 37 Vapour-proof wiring for plow lights, with universal harness and plug in assembly  Yes  No
- 38 Two independent double acting valve sections will be incorporated in the valve stack, one section will provide hydraulic power for the plow lift function and the second valve section will provide hydraulic power for the hydraulic power tilt function  Yes  No

- 39 Two independent in cab feather joystick air controls will be mounted inside the chassis cab on the integrated console, one control will operate exclusively the plow lift function and the second control will operate exclusively the hydraulic power tilt function  Yes  No
- 40 All structural steel plate used in the plow harness will be 44W complying with CSA G40.21.  Yes  No
- 41 Tensile strength will be 65-90 KSI and the minimum yield strength will be 44 KSI  Yes  No
- Tensile: \_\_\_\_\_
- Yield: \_\_\_\_\_
- 42 All steel prepped and painted Industrial Black  Yes  No
- 43 Hydraulics**
- 43.1 The body operation shall be powered by the existing hydraulics of the snow plow truck harness  Yes  No
- 43.2 All fittings, valves, hoses and drive shaft shall be supplied and installed. All hoses shall be equipped with swivels on both ends  Yes  No
- 43.3 All hydraulic hose shall be 100R16 with half bend radius of standard 100RS hose. 4500 PSI > 5300 PSI  Yes  No  
\_\_\_\_\_ (hose/make/model)
- 43.4 A combination sight / temperature gauge to allow easy checking of the hydraulic oil in the reservoir shall be supplied  Yes  No



## Statement by Bidder

Bid Document Name: **Single Axle Plow/Sander Truck**

Bid Document Number: **19-19**

Bidder Company Name: \_\_\_\_\_

Bidder Company Address: \_\_\_\_\_

\_\_\_\_\_

1. I/We have reviewed all terms and conditions of all forms included as part of this bid package.
2. I/We have read and understand all of the terms and conditions of the forms included as part of this bid package.
3. I/We understand that if our bid is successful, all requirements of the successful bidder as outlined in this bid document will be completed by the time and in the format required.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Signature of Authorized Person

\_\_\_\_\_  
Name (Please Print)

\_\_\_\_\_  
Position