



TENDER NUMBER 2019-01
SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

TENDER NUMBER

2019-01

One (1) 2019 Tandem Axle Cab & Chassis Truck With Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

Closing: Monday, March 4th, 2019 at 12:00 p.m. local time

THE CORPORATION OF THE TOWNSHIP OF ASPHODEL-NORWOOD



STRIVING TO PURCHASE AND SUPPLY THE PROPER EQUIPMENT, MATERIALS, SUPPLIES AND SERVICES WHEN NEEDED, WITH THE RIGHT QUALITY, THE RIGHT QUANTITY, AT THE RIGHT PRICE, FROM THE RIGHT SOURCE AND AT THE RIGHT TIME IN A MANNER THAT IS FAIR AND EQUITABLE TO ALL.



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Front Snow Plow, Wing and All Season Combination Dump Body/Spreader**

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SUBMITTING A TENDER

Tender must be submitted to the attention of:

Candice White, CAO/Clerk/Treasurer
Township of Asphodel-Norwood
P.O. Box 29
Norwood, Ontario
KOL 2V0

To ensure standardization of bidder response, Township of Asphodel-Norwood response forms will be supplied in the bid package when practical, and must be used. Failure to submit the information on the forms when provided will result in rejection of the bid. When forms are not provided, responses should be submitted on respondent's own letterhead or quotation form and must be signed by an authorized officer of the respondent.

Faxed or other electronically transmitted bids **will not** be accepted.

Late bids will not be considered and will be returned unopened to the bidder. *Local time is according to the time clock located in the Council Chambers area of the Township of Asphodel-Norwood Municipal Office, which will be deemed to be taken as conclusive. (HR.:MIN.:SEC.) Late bids will be returned unopened to the bidder.

The number of bids received and the names of respondents are confidential, and shall not be divulged prior to the tender opening. However, the number of tender packages released is Public information. It is understood that by completing and submitting a bid for this tender the respondent agrees to public release of their name and tender information.

The Township assumes no responsibility or liability for any cost incurred by the respondent in the preparation or submission of tenders, site inspections, demonstrations, or any other services that may be requested as part of the evaluation process.

Respondents must be authorized to do business in the Dominion of Canada.

The bidder agrees that other publicly funded authorities within the Township not shown on this quotation may utilize this quotation if deemed beneficial to them.

The bidder declares that this quotation is made without any connection, knowledge, and comparison of figures or arrangement with any other person or persons making a quotation for the same goods and services, and is in all respects fair and without collusion or fraud.



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SUBMITTING A TENDER - continued

The Corporation of the Township of Asphodel-Norwood shall not be responsible for any liabilities, costs, expenses, loss or damage incurred, sustained or suffered by any respondent prior or subsequent to or by reason of the acceptance or the non-acceptance by the Township of Asphodel-Norwood of any tender or by reason of any delay in the acceptance of a tender save as provided in the Contract.

If an insufficient number of tenders are received, tenders may be returned unopened to the bidder.

Whenever a tender seeks a source of supply for materials and/or services, the quantities or usage shown are estimated only unless otherwise stated. No guarantee or warranty is given or implied by the Township of Asphodel-Norwood as to the total amount that may or may not be purchased from any resulting contracts. These quantities are for bidders' information only and will be used for tabulation and presentation of bid, and the Municipality reserves the right to increase or decrease quantities as required.

All materials and/or services shall be delivered F.O.B. destination (i.e., at a specific Township of Asphodel-Norwood address) and delivery costs and charges, if any, will be included in the bid price.

FREEDOM OF INFORMATION

Release of information contained within a respondent's document will be subject to the Freedom of Information Act. Extracts of documents submitted and the costs of their solutions may be used as part of a public document for reporting purposes. Respondents must indicate in their submission, which, if any, parts of their response are exempt from disclosure due to proprietary information.

Requests for information other than standard public information (i.e., names of those submitting tender, total amount of bid not individual line costs) must be dated and submitted in writing to the CAO/Clerk/Treasurer, after which time the municipality has thirty days to respond.



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INQUIRIES AND CLARIFICATIONS

It is the respondent's responsibility to clarify interpretation of any item on the specifications and/or other tender documents, before the close of tender, by contacting the following:

Jeff Waldon, CRS-I
Manager of Public Works and Environmental Services
Township of Asphodel-Norwood
Email: jwaldon@asphodelnorwood.com
Cell (705) 930-0697
Fax (705) 639-1880

All questions relating to the tender must be in writing and delivered, faxed or emailed as directed above. No verbal interpretation will be effective to modify any component of the tender or any contract. Only interpretations and clarifications, which are provided in writing by the above-mentioned, will be considered valid.

The submission of a quotation shall be deemed proof that the bidder has satisfied himself as to all the provisions of the quotation, all conditions which may be encountered, what goods and services he will be required to supply, or any other matter which may enter into the carrying out of supply of goods and services referred to in the quotation, and no claims will be entertained by the Township based on the assertion by the bidder that he was uninformed as to any of the requirements of this quotation.

Should a bidder discover any errors or omissions in the tender, they shall notify the Purchaser so that clarification can be made to all bidders.

WITHDRAWAL PROCEDURE

A respondent who has submitted a tender may request that the tender be withdrawn. The withdrawal will be allowed if the request is made by mail, fax or in person, directly to the CAO/Clerk/Treasurer or their designate, before the closing time. When a withdrawal request is made in person, the requestor shall sign a withdrawal form confirming the request. When requests are made by mail or fax, they shall be confirmed by telephone prior to acceptance. (Telephone requests will not be considered).

Tenders confirmed as withdrawn prior to closing time shall be returned unopened.

The withdrawal of a tender does not disqualify a respondent from submitting another tender on the same contract providing it is submitted prior to closing date and time.

Withdrawal requests received after the tender closing time will not be allowed.



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TENDER OPENING

Tender opening shall be conducted in a public forum, and shall take place as soon as practical after the closing time. The names of respondents submitting bids and total bid amounts will be announced, however no other tender information will be released at this time.

When tenders have been opened and sorted, the CAO/Clerk/Treasurer or their designate shall check the number of tenders opened to ensure that all tenders received are accounted for. If a discrepancy occurs, the tender opening proceedings shall be delayed until all tenders have been accounted for.

When all tenders have been accounted for, the CAO/Clerk/Treasurer or their designate shall announce for each contract the contract name, number, the number of bids received, and the name of the respondents during the reading out of tenders. The CAO/Clerk/Treasurer or their designate shall check for more than one tender under the same name. If two tender envelopes for the same contract are received in the same bidder's name and are both properly submitted, the envelope containing the lower tender amount shall be considered the intended bid and shall be processed within the normal manner.

PRELIMINARY CHECKING

Initially all tenders shall be checked by the CAO/Clerk/Treasurer or their designate to ensure that;

- The bidder's name and tender amount shown of the Record of Tender Opening are correct;
- The tender form is signed as necessary, sealed or witnessed;
- Each tender envelope is time and date stamped prior to the contract closing time;
- Each item on the tender has been bid;
- The tender is free of restrictions or alterations; and
- Tenders must be legible, written in ink or typewritten. Submissions written in pencil will be rejected. The authorized officer signing the tender must initial erasures, corrections or strikeouts.
- In the event of any discrepancy between the unit price and the extension, the unit prices shall govern.
- All other tender requirements have been met.

In the event that a bid does not contain or comply with a mandatory item, then the bid must be rejected.

The Tenders will be assessed for completeness and suitability to requirements based upon the information provided by the respondent in their submission. Respondents may be contacted to clarify any items and may be required to attend an interview. Further discussions and demonstrations of capabilities may be required at that stage. Based upon the analysis of the tenders, subsequent discussions and reference checking, a final ranking of respondents will be established.



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EVALUATION CRITERIA

The following criteria, which are not in any particular order, as well as any other criteria outlined in tender specifications will be used to determine the ranking of the respondent and proposed system:

- Best value for budget allotted
- Design interest and number of components
- Safety Standards and durability
- Availability of equipment
- Warranty/Guarantee
- Maintenance consideration
- Reputation/References
- Ability and experience to perform in accordance with the Terms of the Call for Tender.
- Compatibility with other goods and services of the Township.
- If requested, the bidder agrees that he will furnish a copy of his latest financial statement within four (4) calendar days after being requested to do so by the Township. The Bidder solemnly declares that the several matters stated in the foregoing quotation are in all respects true.
- Cost
- Any other factors, which may be set out in the Call for Tender for other documentation.

The Township reserves the right to reject any offer based on products that have not demonstrated proven satisfactory performance through field trials or actual use by the Customer or a comparable business. Whether a product meets this requirement shall be the sole decision of the Township. **The lowest or any tender will not necessarily be accepted.**



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CONTRACT AWARD

Provided that at least one of the tenders received meets the approval of the CAO/Clerk/Treasurer, a recommendation on contract award will be made and presented to Township Council for approval. In the event that no bona fide offer is received, the Township may proceed at its discretion to obtain the goods or services described.

Council shall review the recommendation of the CAO/Clerk/Treasurer and the endorsement of the Manager of Public Works and Environmental Services and make an award. In the event that Council deems that it would be beneficial to listen to delegations from respondents at this time, every respondent must be given an equal opportunity to present himself or herself. Individual written invitations, stating time, date and purpose of the presentation, must be extended to each respondent.

In the event that more than one bidder has submitted a tender in the same amount and content, the CAO/Clerk/Treasurer shall make their decision based on the merit of the tender (i.e. including such factors as time for completion and previous performance of the respondent). If the merit for each tender is equal, then the tender to be accepted shall be decided by means of a draw. The names of the tied respondents shall be placed in a container and the tender to be awarded shall be drawn by a member of council. The time and location of the draw shall be set by the CAO/Clerk/Treasurer, and the bidder's shall be notified in order that they may be present.

By responding to this tender call, respondents accept the terms and conditions outlined in this tender call and that the decision of the Township Council is final and binding and will not be subject to review.

The Township reserves the right to accept or reject all or any portion of the tender, as may be in the best interests of the Township.

On approval of the recommendation, the CAO/Clerk/Treasurer or their designate shall immediately send a Notification of Acceptance to the successful respondent advising him/her that his/her bid has been accepted.



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CONTRACTS AND AGREEMENTS

The entire text of the respondent's Tender and all accompanying documentation, claims, representations and arrangements presented by the respondent, relevant to the Tender, may be incorporated into and form part of the contract. No oral representations should be assumed to be incorporated in the contract documents. Respondents are cautioned that information should not be submitted that couldn't be incorporated into the agreement.

The failure of either party at any time to require performance by the other party of any provision hereof shall in no way affect his right thereafter to enforce such provision or to seek damages for the breach thereof. The Bidder agrees that the laws of Ontario shall govern the rights of all parties. It is agreed between the parties that neither party shall be held responsible for damages caused by delay or failure to perform his undertakings hereunder when such delay or failure is due to fires, strikes, floods, acts of God or the Queen's enemies, lawful acts of public authorities, or delays or defaults caused by common carriers, which cannot reasonably be foreseen or provided against.



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DEFINITIONS

The following terms and abbreviations have been used throughout this document:

Township	Means the Township of Asphodel-Norwood
Proposer) Vendor) Respondent) Bidder)	Means any supplier who is responding to the call
Contract	Means the contract which will be signed between the Township and the successful respondent
Construction	Includes erection, alteration, repair, dismantling, demolition, structural maintenance, painting, land clearing, earth moving, grading excavating, trenching, digging, boring, drilling, blasting, or concreting, the installation of any machinery or plant, and any work or undertaking in connection with a project.
Project	Means a construction project, whether public or private, including: <ul style="list-style-type: none">➤ the construction of a building, bridge, structure, industrial establishment, mining plant, shaft tunnel, caisson, sewer, watermain, service connection, telegraph, telephone or electrical cable, pipe line, duct or well, or any combination thereof,➤ the moving of a building or structure, and➤ any work or undertaking, or any lands appurtenances used in connection with construction.
Constructor	Means a person who undertakes a project for an owner and includes an owner who undertakes all or part of a project by himself or by more than one employer
Contractor	An individual or company who agrees to perform work or provide a service for a specified price
Employer	A person who employs one or more workers or contracts for the services of one or more workers and includes a contractor or subcontractor who undertakes with an owner, constructor, contractor, or subcontractor to perform work or supply services.
Volunteer	A person who performs a job or provides a service and who receives no pay for that job or service.



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QUICK REFERENCE GUIDE

Closing:	<p>Date: March 4th, 2019</p> <p>*Local Time: 12:00 p.m.</p> <p>*Local time is according to the time clock located in the Council Chambers area of the Township of Asphodel-Norwood municipal office, which will be deemed to be taken as conclusive. (HR.:MIN.:SEC.) Late bids will be returned unopened to the bidder.</p>
Bids to be delivered to:	<p>Candice White CAO/Clerk/Treasurer 2357 County Road 45, P.O. Box 29 Norwood, Ontario KOL 2V0</p> <p>Faxed or electronically sent bids will NOT be accepted.</p>
Opening:	<p>Immediately following closing time if practical. If not, time and date will be announced.</p>
Remember:	<ul style="list-style-type: none"> • All bids must be returned sealed in the envelope provided in the proposal package. In the event that the bid package will not fit in the envelope provided, the documents must be packaged in an otherwise sealed fashion with the return envelope affixed to the front of the package. • The name of the bidder and contact information must be supplied on the return envelope in the appropriate area. • To ensure standardization of bidder response, all bids must be submitted with cost breakdown as requested. • Pages 12 - 41 to be completed and returned • Any other requirements as may be listed in documents

****THE TOWNSHIP RESERVES THE RIGHT TO ACCEPT OR REJECT ANY TENDER AND THE LOWEST OR ANY TENDER OR ANY PART OF ANY TENDER NOT NECESSARILY ACCEPTED.**



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FORM OF TENDER

Submitted by;

Name of Company or Individual

Address (include postal code)

Telephone Number

E-Mail Address

Name of Person Signing for Company

Date

We recognize the time involved to prepare a quotation, and thank you in advance for your effort.

Return to the attention of:
Candice White
CAO/Clerk/Treasurer
Township of Asphodel-Norwood

Deliver to: 2357 County Road 45
P.O. Box 29
Norwood, Ontario
KOL 2V0



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SPECIFICATIONS

1. General

All Parts not specifically mentioned, which are necessary in order to provide a complete truck, shall be included in the bid and shall conform in strength, quality of material and workmanship to what is usually provided by the trade in general.

Any units not conforming to the specifications as outlined in Specifications will be rejected and it will be the responsibility of the supplier to conform to the requirements unless deviations have been cited by the bidder and acceptance made on that basis, such acceptance shall be at the Township of Asphodel-Norwood's discretion.

2. General Specification

The vehicle will be equipped with all standard features and will meet or exceed the following specifications:

The vehicle shall be supplied with all standard equipment plus all other equipment outlined in this specification if not standard.

The vehicles shall meet or surpass the mandatory requirements of the Canadian Motor Vehicle Safety Regulations as amended or revised.

3. Cab and Chassis

1 New 2019 Tandem Axle Cab and Chassis Truck		
G.V.W.R (Not less than 66,000)	Specify:	
Make	Specify:	
Model	Specify:	
Year (2019/2020) (no earlier model will be considered)	Specify:	
Cab to Axle approximately 135" to suit complete unit	Specify	
Wheel Base approximately 203" to suit complete unit	Specify:	
Weight distribution front axle (provide weight calculation sheet)	Specify:	
Weight distribution rear axle (provide weight calculation sheet)	Specify:	



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***Set back axle is preferred please specify**

4. Engine

*Engine to Comply with On-Road Vehicles and Engines Emissions Regulations

Make	Specify:	
Model	Specify:	
Minimum 12.4L @ 470 H.P.	Specify:	
Torque 1700/lbs @1400 RPM	Specify	
Engine Brake (Jacobs C Brake) 2 position minimum	Specify:	
Protective coating on oil pan	Specify:	
To Be Equipped With:		
H.D. Dual element with snow valve type air filter	Yes/No: Specify:	
Engine Hour Meter c/w Anti Vibrator mount in cab	Yes/No: Specify:	
Engine tachometer mounted on dash	Yes/No: Specify:	
Vertical exhaust right hand side, c/w stainless heat shield and chrome tail pipe	Yes/No: Specify:	
Engine block heater mounted below passenger door in modesty panel	Yes/No: Specify:	
Tilting hood with butterfly opening with bug screen	Yes/No: Specify:	
Dash mounted gauge package to include but not limited to: Speedometer with kilometers as priority numbers, odometer (KMS), tachometer, hour meter, fuel gauge,	Yes/No: Specify:	



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voltmeter, oil temperature gauge, transmission temperature gauge, air pressure gauges.		
Oil pressure gauge, with low pressure warning device.	Yes/No: Specify:	
Inside outside air intake w/in cab control switch.	Yes/No: Specify:	
Frontend PTO flange with snow plow package.	Yes/No: Specify:	

5. Cab

Install 2 west coast power mirrors c/w lights and heaters	Yes/No: Specify:	
Passenger Side Convex lockdown mirrors	es/No: Specify::	
Driver seat to be air ride (national 2000 or equivalent)	Yes/No: Specify::	
Non suspension passenger seat with under seat storage	Yes/No: Specify:	
Premium interior package with maximum insulation package	Yes/No: Specify:	
Seats to be cloth heavy duty upholstery	Yes/No: Specify:	
Heavy duty fresh air heater and defroster	Yes/No: Specify:	
Arm rests supplies on both doors and driver's seat	Yes/No: Specify:	
Heated one piece front windshield (controlled by a separate switch)	Yes/No: Specify:	
Dual sun visors	Yes/No: Specify:	
Exterior sun visor	Yes/No: Specify:	
Exterior cab assist handles, both sides for entering cab	Yes/No: Specify:	
Non-slip running boards	Yes/No: Specify:	
Mud flaps to be behind front wheels	Yes/No: Specify:	



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Dual faced fender mounted turn signals	Yes/No: Specify:	
Heavy duty rubber cab floor covering with double insulation	Yes/No: Specify:	
Electronic back up alarm maximum 100 decibels	Yes/No: Specify:	
Tilt and telescopic steering	Yes/No: Specify:	
AM/FM Radio, with blue tooth	Yes/No: Specify:	
Tinted glass	Yes/No: Specify:	
Driver controlled R/H and L/H window from driver's seat	Yes/No: Specify:	
PTO mounting from front crankshaft	Yes/No: Specify:	
Factory installed air conditioning	Yes/No: Specify:	
Parking brake alarm	Yes/No: Specify:	
2 speed engine fan drive (Horton DMA2S Air Operated)	Yes/No: Specify:	
Fender Mounted mirrors, L/H and R/H sides	Yes/No: Specify:	
Cab to be mounted on air suspension	Yes/No: Specify:	
Snow cowl tray lid over cab air intake with filter	Yes/No: Specify:	
In cab battery disconnect switch	Yes/No: Specify:	

6. Fuel Tanks

Fuel tanks to be step L/H side of truck c/w extra step	Yes/No: Specify:	
Fuel Water Separator – Davco 382	Yes/No: Specify:	
Stainless Steel fuel tank straps	Yes/No: Specify:	



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7. Transmission

Fuller 10-speed manual, with overdrive, with air shift and internal lube oil pump.	Yes/No: Specify:	
Eaton Fuller advantage self-adjusting clutch.	Yes/No: Specify:	
Clutch also includes, two plate, cast angle spring ceramic, 15.5 inch diameter 7 spring coaxial VCT plus damper.	Yes/No: Specify:	
Clutch must also be mechanical pull type control, 4 button disc with 1750 lb-ft torque capacity.	Yes/No: Specify:	
Transmission warranties	Yes/No: Specify:	
Transmission coolers	Yes/No: Specify:	

8. Front Axle

To be a minimum 22,000lbs capacity	Yes/No: Specify:	
Front shocks with parabolic springs	Yes/No: Specify:	

9. Rear Axle

To be tandem axle with driver controlled differential locking front and rear.	Yes/No: Specify:	
To be a minimum 46,000lbs capacity	Yes/No: Specify:	
To be equipped with standard differential	Yes/No: Specify:	
Operating with synthetic gear oils	Yes/No: Specify:	



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10. Suspension

Front springs - to be a minimum of 11,000 lbs each	Yes/No: Specify:	
Rear suspension- to be 46,000lbs rubber block suspension with shocks HMX 460-54.	Yes/No: Specify:	

11. Frame

Resisting bending moment (section modulus X yield strength) shall be 3,000,000 lbs in min.	Yes/No: Specify:	
Section modulus shall be 30.0 min.	Yes/No: Specify:	
NOTE: Trucks with trunnion type motor mounts require frame reinforcing.		
Section Modulus	Yes/No: Specify:	
Frame yield 120,000 min.	Yes/No: Specify:	
Strength	Yes/No: Specify:	
Front frame extension	Yes/No: Specify:	
Frame, axle and suspension are to be painted with black epoxy coating or equivalent.	Yes/No: Specify:	
Mounting of snow plow cheek plates shall be possible.	Yes/No: Specify:	
Front push plate must allow proper air flow through rad	Yes/No: Specify:	
Provisions shall be supplied to prevent diamond shaping of the frame. The frame shall be bridged by a cross member installed within 10 inches of the rear of the cab in order to transfer snow plowing push to each frame rail. The cross member shall be gusseted before and after; and shall conform generally to drawings "A-7-491" and A-7-492" M.T.O.	Yes/No: Specify:	



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Rear tow hooks	Yes/No: Specify:	
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12. Tires and Rims

Front: Rib 425/65 R22.5 20 ply Michelin XZY-3	Yes/No: Specify:	
Rear: Lug 11R22.5 16 ply Michelin XDS-2	Yes/No: Specify:	
Front rims minimum 22x12.25 heavy duty aluminum hub pilot- 10,000lb severe service.	Yes/No: Specify:	
Rear rims minimum 22x8.25 hub heavy duty aluminum severe service hub pilot- 7,500lb.	Yes/No: Specify:	
All rim ratings must exceed tire rating	Specify:	
All rims shall be polished aluminum	Yes/No: Specify:	

13. Electrical

Alternator	Specify:	
To be a minimum of 160 amps	Yes/No: Specify:	
To be equipped with a multi groove pulley	Yes/No: Specify:	
Auxiliary wiring harness for plow headlights	Yes/No: Specify:	
Four way simultaneous flashing	Yes/No: Specify:	
Signal lights self-cancelling	Yes/No: Specify:	
Minimum of 5 amber LED cab lights	Yes/No: Specify:	
Lights as necessary by the MTO	Yes/No: Specify:	
Tail lights and marker lights to be LED sealed system or equivalent with rear sealed plastic junction box.	Yes/No: Specify:	
To be equipped with back up lights	Yes/No: Specify:	



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Auto circle check function of all lights	Yes/No: Specify:	
Batteries 3-12 volt 2700 C.C.A. minimum	Yes/No: Specify:	
Cab Lights- to be equipped with interior cab lights on interior roof of cab c/w door switches.	Yes/No: Specify:	
All body wiring including equipment wiring to be sealed type 2 wire systems.	Yes/No: Specify:	
Two horns to be air and two horns to be electrical	Yes/No: Specify:	
Must be equipped with power module with minimum of 6 O.E.M. dash mount switches for body builder hookup (fused).		

14. Brakes

Canadian air brake system CMVSS121	Yes/No: Specify:	
To be full air, anti-lock system	Yes/No: Specify:	
"S" cam type system with Q-plus shoes	Yes/No: Specify:	
Meritor/Wabco air dryer or model AD-9	Yes/No: Specify:	
Spectra brake safe visual brake stroke indicators	Yes/No: Specify:	
Dust shields front and rear	Yes/No: Specify:	
Brake chambers stroke	Yes/No: Specify:	



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15. Compressor

To be a minimum 18.7 CFM with air filter.	Yes/No: Specify:	
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16. Air Tanks

Wet and dry type	Yes/No: Specify:	
Low air warning buzzer	Yes/No: Specify:	
To be equipped with manual drain taps c/w lanyard	Yes/No: Specify::	

17. Park Brake

To be spring set rear park lock	Yes/No: Specify:	
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18. Slack Adjusters

To be equipped with auto slack adjusters on all wheels	Yes/No: Specify:	
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19. Steering

To be equipped with full power steering	Yes/No: Specify:	
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20. Colour

Cab standard factory white	Yes/No: Specify:	
Dump box mto "school bus yellow"	Yes/No: Specify:	

21. Additional Specifications

First Aid Kit, Triangle Roadside Kit, and Fire Extinguisher	Yes/No: Specify:	
Provisional: Road Watch Temperature Monitoring Kit	Yes/No: Specify:	



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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

22. Warranty

a) Dealer endorsed manufacturer's warranty shall be supplied. _____ Yes/No _____

Specify: _____

b) Optional extended warranty coverage provisional. _____ Yes/No _____

Specify: _____

All Season Combination Dump Body/Spreader (For mounting on Tandem Axles C & C with 135" CA

General

This specification covers the supply and mounting of a rear dumping gravity feed oval shape with center conveyor chain along the length of the body with left side discharge chain and spinner, salt and sand chutes and all necessary lights and wiring, to deliver salt on the center line of the roadway in a 6 inch unbroken pattern.

This specification lists only the major details of the unit. It's the suppliers responsibility to deliver a fully equipped unit with compatible components to provide dependable efficient service.

Where minimums are called for, the vehicle must meet or exceed the capacity, size, or performance specified.

The body shall conform to the Canadian Motor Vehicle Safety Regulations (CMVSR) in effect on the day of mounting.

Unit must comply with the following specifications in all respects. Alternatives are not acceptable.

23. All Season Combination Dump/Spreader

Make	Specify:	
Model	Specify:	
Year	Specify:	



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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

24. Mounting

The body to be supplied mounted on truck chassis	Yes/No: Specify:	
All brackets and attachments shall be bolted, not welded to truck frame when bodies are being mounted on chassis	Yes/No: Specify:	
Body shall fit on a 135" C.A. chassis minimum, (68,000lbs)	Yes/No: Specify:	
G.V.W.R. Tandem axle equipped with 11R22.5 load range "H" tires (dual rears)	Yes/No: Specify:	



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25. Body

Body shall be oval shaped. Gravity feed to center conveyor	Yes/No: Specify:	
Water level capacity 14 cu. yd minimum	Yes/No: Specify:	
Inside length 14 foot minimum	Yes/No: Specify:	
Overall Width 8 foot maximum	Yes/No: Specify:	
Height of sides 53" minimum	Yes/No: Specify:	
Height of front panel 60"	Yes/No: Specify:	
Top rail shall be 4x4x3/8	Yes/No: Specify:	
All body welds shall be 100%	Yes/No: Specify:	
Body floor, sides, front panel tailgate will be constructed of 3/16 Cor-ten "A" corrosion resistant steel	Yes/No: Specify:	
The inside and the outside of the dump body shall be continuously welded (seams and joints shall be welded and closed)	Yes/No: Specify:	
The body shall dump rearward	Yes/No: Specify:	
Side board pockets to be supplied	Yes/No: Specify:	
Body hinge shall be in chassis frame	Yes/No: Specify:	
Body sub frame and hoist frame shall be supplied (direct push on chassis frame is NOT acceptable)	Yes/No: Specify:	
The driver's side of body at the front shall have an aluminum ladder welded to the side of box with sufficient height to allow operator access to box.	Yes/No: Specify:	



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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

26. Tailgate

Tailgate shall be 60" minimum	Yes/No: Specify:	
The tailgate shall be continuously welded.	Yes/No: Specify:	
Required spreader and brackets shall be installed on the tailgate. Spreader chain 5/16 minimum to be mounted on center line of frame rail.	Yes/No: Specify:	
Tailgate shall be air operated and shall be controlled from inside the cab.	Yes/No: Specify:	
Diamond grade checkerboard reflective tape to be laminated on tailgate.	Yes/No: Specify:	

27. Lights and Wiring

Lights and wiring shall be supplied and installed and shall conform to the Highway Traffic Act.	Yes/No: Specify::	
Wiring shall be installed in vapor and moisture proof polyethylene tubing and to have threaded push on type fittings into lights.	Yes/No: Specify:	
Individual wires to each lamp-no splicing, including separate ground wire terminated in cab.	Yes/No: Specify:	
Lights may be mounted on the chassis frame and on out rigger brackets below.	Yes/No: Specify:	
High mount stop and tail lights, L.E.D. lights required.	Yes/No: Specify:	
Flashing amber and blue shock proof strobe lights for salting/sanding and snowplow operations shall be supplied at rear of truck. Spot light to illuminate cross conveyor.	Yes/No: Specify:	
All top high mount lights should plug into top of body for ease of removal.	Yes/No: Specify:	



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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

One (1) 6" dia. Shock Proof Spotlight for spinner shall be supplied.	Yes/No: Specify:	
High mounted Strobe Light - amber and blue shall be supplied and mounted on a pipe pedestal (top of cab mounting not acceptable).	Yes/No: Specify:	
Factory mounted dash switches or equivalent.	Yes/No: Specify:	

28. Splash Guards

Splash guards with chain stops shall be supplied and installed at front and rear of dual tires.	Yes/No: Specify:	
Splash guards shall be full width of dual tires and not have more than 12" minimum to 13" maximum road clearance.	Yes/No: Specify:	
Rear fender shall be aluminum and shall be mounted over rear drive tires.	Yes/No: Specify:	

29. Hydraulics

The body hoist and spreader operation shall be powered from the truck mounted valve bank.	Yes/No: Specify:	
Hydraulic Tank Heater 110 volt AC	Yes/No: Specify:	
All fittings valves and hoses shall be supplied and installed and any additions or modifications will be the responsibility of the supplier.	Yes/No: Specify:	



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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

The hydraulic reservoir capacity shall be minimum of twenty (20) Imperial gallons equipped with a site glass (level indicator) and a magnetic debris trap.	Yes/No: Specify:	
A 10 micron spin on type filter shall be supplied	Yes/No: Specify:	
An oil filter bypass check valve shall be supplied and set to relieve at 5 psi.	Yes/No: Specify:	
It shall be possible to change the hydraulic oil filter without draining the oil from the hydraulic oil reservoir.	Yes/No: Specify:	
All hydraulic pressure hoses shall be 2-wire braided conforming to SAE-100R2 type A.T. classification and be suitable for the installation of crimped or reusable couplings.	Yes/No: Specify:	
Low hydraulic level alarm with a dash mount light.	Yes/No: Specify:	
Two (2) gate valves shall be provided to shut off oil flow from hydraulic reservoir at inlet and outlets of tank.	Yes/No: Specify:	
The main valve bank to be split to reduce the number of hydraulic hoses running under the cab to front equipment functions.	Yes/No: Specify:	
All electrical wires, pneumatic/hydraulic lines to be bundled separately along frame to rear of unit.	Yes/No: Specify:	



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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

30. Hoisting

Hoist shall be a class 80/30 ton trunnion mounted nitrate coated	Yes/No: Specify:	
Dump box tipping angle to be 50 degrees	Yes/No: Specify:	
Dump box hinge 2.5" minimum	Yes/No: Specify:	
Hoist control to be air operated	Yes/No: Specify:	
The hoist shall be capable of lifting the box and the normal contents of sand plus 20%.	Yes/No: Specify:	
Provisions for no oscillation or kick back when raised to extreme height shall be supplied.	Yes/No: Specify:	
The body shall be equipped with a safety support to mechanically hold the body in the rearward tipped position during maintenance procedures. The safety support shall be positioned while standing to the side and clear of the underbody.	Yes/No: Specify:	
Hoist shall be a three (3) stage front telescopic with a minimum of 125" stroke.	Yes/No: Specify:	
Hoist cycle time	Yes/No: Specify:	



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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

31. Conveyor

The main conveyor shall be recessed along the length of the dump body floor with a steel shield to protect the chain when not in use.	Yes/No: Specify:	
Cross conveyor shall be frame mounted left side discharge.	Yes/No: Specify:	
Cross conveyor to be a chain type left hand discharge.	Yes/No: Specify:	
The main conveyor shall be driven by a hydraulic motor, be mounted direct to a speed reducer (gear box) with sufficient torque.	Yes/No: Specify:	
To discharge salt and sand through a gate to spinner.	Yes/No: Specify:	
An inside of box conveyor shield shall be supplied to protect the conveyor chain when spreader is not in operation and shall be made of same thickness of steel as tipping shell floor.	Yes/No: Specify:	
Protection shall be supplied under the body to protect the conveyor chain from road spray/sand and salt and be easily accessible for washing out.	Yes/No: Specify:	
Both conveyor chains shall be a self-cleaning pintle chain.	Yes/No: Specify:	



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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

32. Spinner

Salt/sand chute to allow adjustment to permit 6" salt bead unbroken on centerline of road way.	Yes/No: Specify:	
Tipping shell shall be fabricated using minimum 3/16 thick Hardox 450 steel.	Yes/No: Specify:	
The spinner shall be driven by a hydraulic motor and the spinner assembly shall be mounted directly ahead of the left rear dual wheels, just behind the cab.	Yes/No: Specify:	
The spinner to be polymer type 18" diameter with six (6) vanes.	Yes/No: Specify:	
The spinner hydraulic motor shall be 3.0 cu. In. displacement .	Yes/No: Specify:	
The spinner height from ground to the bottom of the spinner shall be adjustable from 9" to 13" with truck empty.	Yes/No: Specify:	
Spinner shall be made from 1" dia. S.P.S. steel	Yes/No: Specify:	
Sand/salt chute to be polymer lined.	Yes/No: Specify:	
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: Specify:	
The spinner assembly shall be removable and hydraulic hoses to have quick couplers.	Yes/No: Specify:	



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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

33. Controls

In cab controls shall be supplied to control the operation of the hydraulic hoist and sand and salt spreader and shall be within easy reach of the operator.	Yes/No: Specify:	
The conveyor and spinner speed to be controlled by a flow regulator mounted in cab.	Yes/No: Specify	
The regulator to be pressure compensated so that the selected flow will not change as load or engine speed changes.	Yes/No: Specify	
A by-pass lever to be provided to start and stop the spreader without changing settings.	Yes/No: Specify	
A built-in relief valve shall protect all the components of the system.	Yes/No: Specify	
The hydraulic system to be complete with an in-line Ikron high pressure filter assembly w/lo micron absolute filter or approved equivalent installed between the oil tank and return line manifold. Controls to be mounted between seats or other suitable location in cab.	Yes/No: Specify	
All air controls to be exhausted outside of cab.	Yes/No: Specify	



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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

34. Spreader Controls

Spreader and spinner controls shall be a two (2) knob control controlled from in cab.	Yes/No: Specify	
A blast function shall be supplied within controls.	Yes/No: Specify	
A built-in relief valve shall protect all components of the system.	Yes/No: Specify	
Provisional: State additional costs for an automatic rate control through ground speed and automatic material flow system. Dickey John Control point system and Dickey John spreader hydraulic 3 section block or equivalent.	Price:	

35. Load Cover Tie Down

A load covering tarpaulin with the following requirements shall be supplied and installed		
The tarp shall be a “pop over” type attached to a pivot point close to the lower outside of the dump body. A wind shield shall be incorporated in the supporting structure. The head roller shall be mounted on a 1” diameter shaft, complete with ball bearings.	Yes/No: Specify	
The tubular side arms shall be adjustable in length and offset to provide clearance for loading equipment.	Yes/No: Specify	
The tarp shall cover the load automatically by means of high torque torsion springs upon release of the brake or drive system.	Yes/No: Specify	
The cover shall be 10oz. polyester 1/8” mesh fabric.	Yes/No: Specify	
The tarp shall be operated from the cab.	Yes/No: Specify	



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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

36. Paint

The body frame shall be sand blasted before paint is applied.	Yes/No: Specify	
The paint primer shall be as per M.T.O. specification #0914-9A.	Yes/No: Specify	
The body shall be painted common school bus/MTO yellow except for frame and underbody which shall be black.	Yes/No: Specify	

37. Full Trip Power Reversible Plow

Heavy duty full trip power reversible plow shall conform with Biking Model VCL 36-12-45C. 100% welds on all ribs and connections. Stitch welds are not acceptable.	Yes/No: Specify	
All controls including hydraulic reversible plow function shall be featherable air operated from within cab.	Yes/No: Specify	
Cutting edge shall be a 3-piece width. The edge shall be carbide embedded at the road contact/wear point.	Yes/No: Specify	

38. 500 HD Hydraulic Detach and Tilt Harness

High intensity heated LED head lamps, including turn signals to be mounted on the harness and connected to the truck headlight circuit.	Yes/No: Specify	
The plow and wing front harness to be easily and quickly attachable or detachable as one unit.	Yes/No: Specify	
When detached it shall reduce the weight of the vehicle and improve operating safety and driving convenience	Yes/No: Specify	



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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

<p>Male coupler: The male hinged swing arm and its enclosed rigid mounting bracket shall form an integral assembly and is to be fitted to the side plate (cheek plate). The assembly remains permanently with the vehicle even after the female coupler has been detached.</p>	<p>Yes/No: Specify</p>	
<p>Side cheek plates: The side plates are to be 1/2" standard or 5/8" optional and attached to the chassis side rail.</p>	<p>Yes/No: Specify</p>	
<p>Swing Arm: The male swing arm is to be rotated on the shaft, and the hub ends are to be guided by four anti friction polymer discs in the mounting bracket.</p>	<p>Yes/No: Specify</p>	
<p>The rod is to be hard chrome plated and buffed. These cylinders shall permit the front harness to tilt forward by disengaging the top and engaging the bottom hydraulically operated lock pins. The truck hood (cab) can be tilted forward for easy access to the engine without detaching the front harness from the truck.</p>	<p>Yes/No: Specify</p>	
<p>Hydraulic locking shall be achieved by two double acting double ended hydraulic cylinders.</p>	<p>Yes/No: Specify</p>	
<p>One cylinder shall provide upper locking and the other cylinder shall perform the lower locking function.</p>	<p>Yes/No: Specify</p>	
<p>The lock cylinder control valve shall be a double acting two spool moon block valve.</p>	<p>Yes/No: Specify</p>	



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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

Hydraulic hose quick disconnects shall be flush face, no spill, quick couplings with built in bleed off valve to allow disconnecting under pressure.	Yes/No: Specify	
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39. Snow Wing and Tower Assembly

Heavy duty snow wing Viking model AHW144 or equivalent, complete with a high wear carbide embedded cutting edge 3 pc.	Yes/No: Specify	
Heavy duty snow/wing tower assembly Viking VCL350 SCL cable lift wing tower, 132 litre integrated back of cab hydraulic tank or equivalent.	Yes/No: Specify	
Quantity of three (3) 4' LED spotlights with mounting bracket for rear wing.	Yes/No: Specify	
Dual adjustable needle valves for rear wing rate control of up/down.	Yes/No: Specify	
Wing moldboard to be complete with curb shoe.	Yes/No: Specify	
36" plow marker whip, fluorescent orange.	Yes/No: Specify	
Conspicuity safety reflective tape on wing arms and on rear edge of wing.	Yes/No: Specify	
2 LED wing lights	Yes/No: Specify	
A convex mirror to be installed on front post.	Yes/No: Specify	
All steel will be shot blasted epoxy primed and top quality.	Yes/No: Specify	
Black finish paint electrostatically applied.	Yes/No: Specify:	



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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

40. Hydraulic Equipment and Controls

Tyrone dry mode front mounted crankshaft driven pump complete with flow divider direct flow.	Yes/No: Specify:	
Yellow urethane hose shields to be installed on all hoses subject to abrasion and wear.	Yes/No: Specify:	
All hydraulics, pumps, motors, controls and reservoirs to be designed and installed as an integrated unit for the intended operation of this vehicle.	Yes/No: Specify:	
Front plow "up" function to have hydraulic priority over all other hydraulic functions.	Yes/No: Specify:	
Featherable type air controls for plowing devices.	Yes/No: Specify:	
All hydraulic fittings to have quick couplers for easy removal of plow/wing equipment and to be floor coded.	Yes/No: Specify:	

41. Warranty

All supplied and mounted equipment minus the cab and chassis shall be guaranteed against defective materials/workmanship for a minimum period of one year from the in-service date.
The manufacturer shall submit a warranty statement with the tender documents.



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42. Additional

All grease fittings shall be threaded and accessible when body is tilted at 30 degrees from horizontal.	Yes/No: Specify:	
All grease fittings on dump to have remote grease hoses.	Yes/No: Specify:	
Both a hard copy and an electronic copy of the operator's parts and service manuals shall be supplied.	Yes/No: Specify:	
Both a hard copy and an electronic copy of the parts, repair and operator instruction manuals for all installed equipment shall be supplied.	Yes/No: Specify:	
Provisional: Groeneveld pneumatic pump auto greasing system or comparable.	Cost:	

43. Delivery Time, Training and References

<p>1. Delivery time frame after the successful tender is awarded.</p> <p>Specify number of weeks: _____</p> <p>2. The dealer agrees to provide the Township of Asphodel-Norwood with a full vehicle and equipment orientation.</p>
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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

Tender Response Form – Part 1

Description: Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader	
Cost of truck (1) to comply with specifications as listed	\$
SUB-TOTAL	\$
H.S.T.	\$
TOTAL	\$

Please list below details and breakdown of costs, if any, including Financing costs which may be associated with supplying fully equipped vehicles with compatible components to provide dependable, efficient service.	
	\$
	\$
	\$
TOTAL OF ANY ADDITIONAL REQUIREMENTS	\$



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SUPPLY OF ONE (1) New Tandem Axle Cab & Chassis Truck with Power Reversible Front Snow Plow, Wing and All Season Combination Dump Body/Spreader

Please list below details and breakdown of **PROVISIONAL** costs.

Description:	Cost:	H.S.T.	Total:
Page 21 – Road Watch Temperature			
Page 32 – Dickey John rate controls			
Page 37 – Groeneveld pneumatic pump auto greasing system			

Provide details of warranty applicable to above noted vehicle (please provide copy of warranty)

Please provide delivery date: