

MUNICIPALITY



OF ASSIGINACK

**REQUEST FOR TENDER TO PROVIDE
Supply of one (1) New Tandem Snowplow Truck,
Sander Box, Wing, Plow, Harness and Pump**

NO. 2023-26

Sealed tenders clearly marked with the Tender Name
Will be received by the undersigned until the closing date:
Friday, March 24, 2023 @ 4pm

*

The tender form can be located at <https://www.assiginack.ca/rfp-tenders>

All tenders to be presented on forms contained in this document to:

**TOWNSHIP OF ASSIGINACK
C/O ALTON HOBBS, CAO
BOX 238, 156 ARTHUR STREET
MANITOWANING, ON., P0P 1N0
(705) 859-3196 – MUNICIPAL OFFICE**

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Important to Note that:

*Lowest, non-conforming or incomplete tenders not necessarily accepted

*Also, that FAXED or EMAILED Tenders will not be accepted

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1.0 DEFINITIONS & INTERPRETATIONS

The following apply to the interpretation of the bid/tender documents:

- 1.1 **“Addenda or Addendum”** means such further additions, deletions, modifications, or other changes to any Bid Documents.
- 1.2 **“Bid Documents”** means collectively all of the documents comprising the Call for Bids, namely Part 1.0 to 13.0, inclusive.
- 1.3 **“Bid or Bid Form”** means the Bid in the form prescribed by these Bid Documents and completed and submitted by a Proponent(s) in response to and in compliance with the Call for Bids and the Bid Documents and for the purpose of entering into the Project with the Owner in the event of award.
- 1.4 **“Contract”** means the agreement to be entered into between the Successful Proponent and the Municipality with respect to the supply of the Goods and or Services. It shall be based upon this RFT, with any agreed upon amendments, and shall include any plans and specifications and will be held to cover the supply of any and all work, labour, implements and materials that could be reasonably required to properly and satisfactorily supply the Goods or Services.
- 1.5 **“Contract Administrator”** means the person, partnership, or Corporation designated by the Owner to be the Owner’s representative for the purposes of this contract.
- 1.6 **“Call for Tenders”** means the Call for Tenders on the terms and conditions set forth in the Tender Documents.
- 1.7 **“Closing Time”** means the time specified in Part 1, Instructions to Proponents, Section 1, by which all Proposal submissions shall be received and stamped by the Owner.
- 1.8 **“Contract”** means the agreement in writing governing the Supply and Services, which has been executed by the Owner and successful Proponent following acceptance by the Owner of the successful Proposal submission.
- 1.9 **“Council”** means the elected Council for the Township of Assinack
- 1.10 **“Mandatory Requirements”** means those requirements described in Part I, Instructions to Proponents, which shall be fully satisfied in order for any Tender to be considered by the Owner as a qualified Tender.
- 1.11 **“Owner, Municipality and Corporation”** mean The Township of Assinack, as the case may be, and as identified in the Call for Proposals, and Proposal Documents and for the purpose of the award and execution and performance of the Project shall mean the entity awarding the Project.
- 1.12 **“Sub-Contractor”** means a legal entity approved by the Owner undertaking the execution of a part of the Work pursuant to an agreement with the Proponent and includes both “brokers” and “subcontractors”.
- 1.13 **“Proponent(s), Bidder(s), and Contractor(s)”** means the successful Proponent to whom the Project is awarded and undertaking the execution of the Project.

- 1.14 **“Successful Bidder (s)/ Proponent(s)/ Contractor(s)”** means the Proponent/Contractor/Bidder whose RFP submission is/are accepted and who has/have agreed to supply the Goods and/or Services as outlined herein.
- 1.15 **“Supply”** means to supply the necessary tools, material, equipment, and product to satisfy the Tender requirements.
- 1.16 **“Work”** means Work/service performed to meet a demand to comply with the conditions of the Project, delivery dates, specifications, and technical assistance.
- 1.17 Where the words “must”, “shall”, “will” or “mandatory appear in this RFT, the clause is to be considered as a mandatory requirement. “May” used in this document denotes permissive.

2.0 GENERAL CONDITIONS AND INFORMATION FOR TENDERS

2.1 Description

The Township of Assiginack is accepting bids (“Bids”) for the supply, assembly and delivery FOB to the Township of Assiginack Public Works Yard with tank filled, One (1) new snowplow truck, sander box, wing, plow, harness and pump in accordance with the minimum specifications herein.

The tender document includes this summary section and two detailed sections providing an outline of the Townships’ requirements for the above noted equipment. A complete tender submission will provide responses to all requests for information or confirmation of specifications. The Township of Assiginack reserves the right to discard any tender submission that is deemed to be incomplete.

- Equipment manufacture date must be 2022 or newer
- Complete unit is FOB Township of Assiginack yard with the fuel tank filled
- Delivery date must be specified and firmly adhered to
- Acceptance of cab/chassis and installed equipment will be subject to pre-delivery inspection by the Town at the Dealer’s yard
- Parts, repair and operator instruction manuals shall be supplied for each unit

2.2 Questions and Clarifications

All questions pertaining to the matters in this RFP shall be directed in writing to the following Township Representative (the “Contact Person”)

Submitted via email to the Public Works Superintendent - Ron Cooper
assigroads@amtelecom.net or fax 705-859-3010

Information that is offered by or obtained from sources other than the Contact Person, including other representatives of the Township, is not official, may be inaccurate, and may not be relied on in any way by any Bidder. No verbal

agreement or conversation made or that at any time with an officer, agent, or employee of the Township shall affect or modify any terms of the obligations stated herein or deemed to be any representation or warranty of the Township.

2.3 Schedule of Events

Closing Date and Time	Friday, March 24, 2023 @ 4pm
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2.4 Delivery of Tenders

Bidders who are interested and capable of supplying the Equipment shall submit one (1) original signed Bid and one (1) copy of the original signed Bid, marked "Copy", together in a single sealed envelope clearly marked on the face of the envelope with the Bidder's name and address and the project title: "**Township of Assiginack RFT 2023-26 Snowplow Truck and Equipment**".

Sealed quotes on the prescribed Tender Forms will be received by the CAO/Clerk or his/her representative, at the Municipal Office 156 Arthur Street, Manitowaning, ON P0P 1N0.

Bids must be delivered to the Closing Location by the Closing Date and Time.

Bids received after the Closing Date and Time will be rejected. The date and time recorded by the Municipality upon submission of a Bid will take precedence over any machine-initiated date and time information on Bids or revisions.

2.5 Closing Location

Township of Assiginack, Municipal Office

Alton Hobbs, CAO, Deputy Clerk
156 Arthur Street
Manitowaning, ON P0P 1N0

2.6 Withdrawal or Alteration of Tenders

A bidder who has submitted a Tender may submit a further Tender at any time up to the date and time of the RFT closing. The last Tender received shall supersede and invalidate all previously submitted by that Bidder as it applies to this RFT.

A Bidder may withdraw or alter a submitted Tender at any time up to twenty-four hours before the official closing time by submitting a letter bearing the Bidder's signature, ad or seal as in the original Tender to the RFT Coordinator or Designate who will mark thereon the time and date of receipt. The Bidder's name and the Contact number shall be shown on the envelope containing such letter. Facsimile transmissions (faxes), electronic mail (e-mail), or telephone calls will not be accepted.

All tenders will be irrevocable for a period of ninety (90) days after the closing of the RFT or until a Contract is signed with the successful Bidder, whichever comes first.

The proponent will not change the wording of its tender after closing and no words or comments will be added to the tender unless requested by the Township of Assiginack for purposes of clarification.

2.7 Signed bid to be considered an offer

Each proposal will be received with the understanding that the acceptance in writing by the Municipality of the offer to furnish all or any part of the commodities or services described therein shall constitute a contract between the Bidder and the Municipality. The Bidder acknowledges that it has read this RFT, and all addenda, in their entirety, and understand and agrees to be bound by its requirements and comply with the General Specifications and Information for Tenderer contemplated hereunder as well as all other terms, conditions and Specifications stated within the RFT, without qualification. Upon acceptance of the bid, both parties hereto agree to do everything necessary to ensure that the terms of this agreement take effect. No alterations or variations of the terms of the contract shall be valid or binding upon the Municipality unless authorized in writing.

2.8 Addenda

If a change to this Tender is required, the change will be communicated by means of written addenda prior to the Closing Date and Time.

Addenda will be posted on the Municipality's website at <https://www.assiginack.ca/rfp-tenders/> and will be available, upon request, from the Contact Person. It is the sole responsibility of Bidders to ensure that they have obtained, prior to the Closing Date and Time, all addenda issued by the Municipality. The Municipality assumes no responsibility for notifying individual Bidders of the existence of addenda. Bidders must acknowledge receipt of all addenda on the Tender Form attached to this Tender package as "Tender Summary Form and Declaration by Tenderer". By submission of a Bid, the Bidder acknowledges receipt of any and all addenda issued by the Municipality.

2.9 Errors, Omissions & Discrepancies

No oral interpretation shall be effective to modify any provisions of these Tender Documents. Any modification or clarification shall be written Addendum only issued by the Municipal Coordinator. The Addenda shall form part of the Tender Documents. Addenda will be posted on the Municipal website at: <https://www.assiginack.ca/rfp-tenders/>. The Municipality has used considerable effort to ensure that the information presented herein reflects, with reasonable accuracy, the nature of the goods and/or services requested and its factual components. The information is supplied as a guideline for Bidders and may not

be completely accurate, comprehensive, or exhaustive.

The Municipality does not make any representation, warranty or guarantee as to the accuracy of the information contained herein. It is the Bidder's responsibility to avail itself of all necessary information to prepare a response to this RFT. Nothing in the RFT is intended to relieve Bidders from forming their own opinions and conclusions with respect to the matters addressed in the RFT. There will be no consideration of any claim, after submission of Tenders, that there is a misunderstanding with respect to the conditions imposed by the RFT or the Contract.

2.10 Manufacturer's Certification

The Municipality reserves the right to request the Bidder to provide separate manufacturer's certification of all statements made in the bid document.

2.11 Limitation of Damages and Proponents Expenses

The Bidder waives any claim, action or demand, however arising, whether in contract (including fundamental breach or breach of a fundamental term), tort (including negligence) or otherwise, or loss of profits, overhead expenses, liabilities, costs, expenses or other losses or damages incurred, sustained or suffered by themselves or any third party in connection with the acceptance or non-acceptance by the Municipality of any Tender, any delay in the acceptance of a Tender, or any other matters connected to the procurement or an subsequent negotiation process. Proponents are solely responsible for their own expenses in preparing a tender and for expenses incurred for subsequent negotiations with the Municipality, if any.

2.12 Confidentiality and Freedom of Information

Any personal information required on the Submission Form is received to the Owner under the authority of "Municipal Freedom of Information and Protection of Privacy Act". This information will be an integral component of the proposal submission. In addition, certain contractual information must be disclosed to Council, and accordingly may become public record.

All written Submissions received by the Municipality will become public record, once a Submission is accepted by the Township of Assiginack and a contract is signed, all information contained in them is available to the public, including personal information.

Consultants are reminded to clearly identify in their Submission material, any specific, scientific, technical, commercial, proprietary, intellectual or similar confidential information, the disclosure of which would cause them injury or damage.

Receipt of this RFT does not entitle the Proponent to associate its services with the Municipality in any way, nor represents in any way that the Municipality has employed or endorsed the Proponent's services. Any such association or endorsement being contemplated by the Proponent must receive the prior written approval of the Municipality. The submission of a tender indicates acceptance by the respondent of all the conditions contained in this Request for Tender unless clearly and specifically noted in the tender submitted and confirmed in the formal contract between the Municipality and the Proponent. Deviations from the Request for Tender must be clearly identified in the written submission. Tenders are subject to a formal contract being negotiated, prepared and executed. The Municipality reserves the right to negotiate the terms and conditions of the contract.

All correspondence, documentation and information provided to staff of the Municipality by any proponent in connection with, or arising out of this RFT, and the submission of any Tender will become the property of the Municipality and as such is subject to the Municipal Freedom of Information and Protection of Privacy Act (MFIPPA), and may be released, pursuant to the Act. The Proponent's name at a minimum shall be made public upon request. In-line with MFIPPA, Proponents are advised to identify in their Tender material, any scientific, technical, commercial, proprietary or similar confidential information, the disclosure of which could cause them injury.

Any information in the Proponents' submissions that is not specifically identified as confidential will be treated as public information. All correspondence, documentation and information provided to the Evaluation Team may be reproduced for the purposes of evaluating the Proponents' submissions to this RFT.

Questions about the collection of personal information and Municipal Freedom of Information and Protection of Privacy Act, 1989, R.S.O. 1990, M.56, as amended, should direct all enquires to Alton Hobbs, CAO, Township of Assiginack at ahobbs@assiginack.ca.

2.13 Conflict of Interest, Bribery or Fraud

Should any prospective Proponent or any of their agents give or offer any gratuity or to attempt to bribe any employee of The Owner, or to commit fraud, the Owner shall be at liberty to cancel the prospective Proponent's submission or Tender and to rely upon the Tender Surety submitted for compensation if applicable.

The Proponent agrees to be bound by the following requirements. Except as identified in the tender or as specified in the Contract, the Proponent must certify in its tender:

- That no person either natural or body corporate, other than the Proponent, has or will have any interest or share in this tender or in the proposed contract, and
- There is no collusion or arrangement between the Proponent and any other Proponent(s) in connection with this project, and
- The Proponent has no knowledge of the contents of other tenders and has made no comparison of figures or agreement or arrangement, express or implied, with any other party in connection with the making of the tender.

Neither the Proponent, relative, close friend or any employee of the Proponent should have any direct or indirect interest in an entity that provides goods or services to the Project.

Proponents participating in this RFT process shall disclose prior to entering into an agreement any potential conflict of interest. If such conflict does exist, the Municipality may at its discretion withhold the award of a contract from the Proponent until the matter is resolved.

Neither, the Proponent, relative, close friend or any employee of the Proponent should offer or receive any entertainment, gifts, gratuities, discounts, commissions, fees or special services (gifts/donations), regardless of value, to or from any employee of the Municipality, or to any consultant or contractor employed by the Municipality, or to any real estate representative acting on behalf of the Municipality.

All Proponents shall report to the Municipality any such attempts. Neither, the Proponent, relative, close friend or any employee of the Proponent shall offer or receive any inducement, payment, discount, commission, reward, gift, special service, incentive, or other remuneration or compensation of any kind (inducement), regardless of value, from any vendor of goods or services to the project, including any consultant or contractor employed by the Municipality, or to any real estate representative acting on behalf of the Municipality. The

Proponent agrees to immediately inform the Municipality upon any such inducement being offered. The Proponent chosen to provide service to the project shall continue to be bound by the foregoing prohibitions after the execution of a Contract agreement.

2.14 Prices & Tax

Unless otherwise stipulated, all priced bid, including any Unit Prices, must be stated in Canadian funds.

Except as otherwise provided the price(s) bid shall include all duty, customs clearance and all other charges now or hereafter imposed or in force.

Harmonized Sales Tax (HST), where applicable, shall be included separately and in the final price(s) quoted on this tender at the rate in effect at time of bidding. Should changes occur in HST during the term of this contract a new price schedule is to be submitted at once, reflecting any additions, costs or credits resulting from the change.

All prices must be quoted F.O.B. the Public Works Yard at 15555 A Hwy 6, Manitowaning, ON P0P 1N0. No variation in Bid Price(s) shall be permitted after the closing date.

2.15 Working Language

The working language for the Municipality is English and all responses to the RFT must be in English.

3.0 EVALUATION AND ACCEPTANCE OF TENDERS

3.1 Right to Accept or Reject Tender

The Municipality reserves the right to reject any or all quotations or to accept any quotation should it be deemed in the best interest of the Corporation to do so.

3.2 Evaluation and Acceptance

The Evaluation Team will review and evaluate all submissions to ensure they comply with the terms and conditions of the Tender Documents. Tenders that do not meet all the necessary criteria may be rejected without further consideration.

3.3 Basis of Rejection

Tenders not conforming to the following requirements may be disqualified:

- i) Tender must be on form provided.
- ii) Tender must be legible in ink by hand, by typewriter or by printer.
- iii) Tender must be in the possession of the municipality by the closing date and time.
- iv) Tender must be signed and sealed by an authorized official of the bidding organization. A joint tender must be signed and sealed by each company.
- v) All items must be bid.
- vi) Tender must not be restricted or modified in any way.
- vii) The tender price shall be firm, and any price escalation clause shall render the tender unacceptable.
- viii) Failure to complete the tender form and specifications will render the tender unacceptable.

- ix) The product on which the price is submitted must meet all the requirements of the specification and/or legislation.
- x) Bids may not be considered if the product on which a price is submitted does not meet all requirements or the Bidder does not confirm compliance with all items by marking "YES" in the Confirmation Column or does not provide the required information where "SPECIFY" is noted in the Confirmation Column.

3.4 **Award**

Consideration for award shall only be undertaken in relation to Proponents who are determined by the Municipality to have satisfied all the requirements. Council hereby reserves the right, privilege, entitlement, and absolute discretion, and for any reason whatsoever to:

- i) Accept a Tender which is not the lowest Tender submission or reject a Tender that is the lowest Tender even if it is the only Tender received.
- ii) Accept the Tender deemed most favorable to address the scope of work.
- iii) Accept or reject all Tenders, whether in whole or in part;
- iv) Accept or reject any unbalanced, irregular, informal or incomplete Tenders; or
- v) Reject any Proponent who is involved in litigation with the Municipality.

3.5 **Consideration**

Council reserves the right to consider, during the evaluation of Tenders:

- i) Information provided in the Tender itself;
- ii) Information provided in response to enquiries of credit, experience and industry references set out in the Tender;
- iii) Information received in response to enquiries made by the Owner of third parties apart from those disclosed in the Tender in relation to the reputation, reliability, experience and capabilities of the Proponent;
- iv) The way the Proponent provides services to others;
- v) The experience and qualification of the Proponent's senior management, and project management;
- vi) The compliance of the Proponent with the Owner's requirements and specifications; or
- vii) The Proponent acknowledges that the Owner may rely upon the criteria, which the Owner deems relevant; even though such criteria may not have been disclosed to the Proponent. By submitting a

Tender, the Proponent acknowledges the Owner's rights under this Section and absolutely waives any right, or cause of action against the Owner, by reason of the Owner's failure to accept the Tender submitted by the Proponent, whether such right or cause of action arises in Project, negligence, or otherwise.

- viii) The Municipality reserves the right to negotiate minor changes, amendments or modifications to the Successful Bidder's submission with any Selected Bidder(s) without offering the other Bidders the opportunity to amend their submissions. If the Municipality and Selected Bidder(s) cannot negotiate a successful agreement, the Municipality may terminate the negotiations and begin negotiations with the next Selected Bidder(s). This process can continue until an agreement has been executed or all of the Bidder(s) have been rejected. No Bidder shall have any rights against the Municipality arising from Negotiations.

3.6 Proponent Qualifications

Qualified Proponents are those which:

- Have sufficient facilities and resources to meet the Municipality's needs;
- Demonstrate reasonable flexibility and willingness to work with the Municipality;
- Comply with the requirements of the Municipal Act and Laws of Ontario;
- Have previous experience with services of similar scope appropriate to complete the project.
- Company background / history.

The following table demonstrates the evaluation criteria that will be considered when scoring the qualifications of each bid tender:

Completeness of Tender Documents	/5
Technical Scoring: Quality of Equipment, Warranty	/5
Past Performance, Reputation, Length of Time in Business	/5
Location of Service for Warranty, Repairs	/5
Total Possible Technical Rating	/20
Tendered Prices Considered Independently	/20
TOTAL TENDER RATING	/40

3.7 References

Please provide at least three references that utilize the wheel loader within Ontario, in the Tender submission package. The Municipality may contact these references at its discretion. In addition, the Municipality may also contact

any other organization it deems relevant in order to evaluate the Bidders ability to supply the equipment.

4.0 CANCELLATION

- 4.1 In the event the successful Proponent does not comply with the specifications, terms and conditions, and scope of the Document, at any time throughout the duration of the Project, the Project shall be cancelled in accordance with the terms contained herein.
- 4.2 The Owner upon non-performance of Project terms may cancel the Project; however, in doing so, the Owner does not waive its right to rely upon any obligations or commitments agreed to by the Proponent as part of their Tender. The Proponent remains liable for the difference between the next acceptable Tender of goods and/or service Tender prices.
- 4.3 Where there is a question of non-performance, payment in whole or in part may be withheld at the discretion of the Owner. This action shall not prevent the Owner from taking early payment discounts otherwise applicable.
- 4.4 The Municipality shall have the right to cancel at any time any project or any part of any project resulting from this Tender in respect to the goods, materials, articles, equipment, work or services, covered thereby, not delivered or performed by the specified time in the written document, without incurring any liability whatsoever in respect hereto. "Time is of the essence".
- 4.5 Force majeure is causes beyond a party's control, which are not avoidable by the exercise of reasonable foresight. Neither party shall be responsible for any delay or failure to perform its obligations under this agreement by reason of force majeure, including fire or other casualty, strike, order of a public authority, Act of God, or other cause beyond the reasonable control of such party, then such party shall be excused from such performance of the Contract for the duration of such cause. In the event such inability to perform shall continue longer than thirty (30) days, either party may terminate this agreement without further liability by giving written notice to the other party.

5.0 REGULATION COMPLIANCE AND LEGISLATION

The Successful Proponent shall ensure all services and products provided in respect to this project are in accordance with and under authorization of all applicable authorities, Municipal, Provincial and Federal legislation. Any Contract resulting from this Request for Tender will be governed by and will be construed and interpreted in accordance with the laws of the Province of Ontario.

6.0 STATED DELIVERY TIMES AND DATES

Delivery dates must be stated on the Tender Form. By specifying dates, the successful submitter agrees to be bound those dates. Failure to meet stated

delivery time(s) by the successful submitter shall be just cause for the Municipality to take appropriate action that shall be in the best interest of the Municipality. The Municipality shall exercise due diligence and fairness in seeking any remedy and shall take into considerations such factors as delays by the manufacturer and shortages of parts. However, notwithstanding these circumstances, the order may be cancelled at the option of, and without recourse to, the Municipality. Pending full and satisfactory supply of all items described in this quote, a hold back of the value of said deficiencies will be exercised.

Failure to comply with all terms, specifications, requirements, conditions, and general provision of this quote, to the satisfaction of the Municipality shall be just cause for the cancellation of the awarded tender. The Municipality shall then have the right to award this contract to any other submitter or to re-issue the Tender. The Municipality shall assess against the submitter, any damages whatsoever as a result of the failure to perform. Complete descriptive literature outlined in Schedule 'A' shall be submitted with the Tender Form. The complete set of literature and Manuals shall be supplied for the unit with delivery. In the event that these manuals are not supplied, the Municipality will hold back \$500.00 pending receipt of said Manuals.

7.0 NON-WAIVER

No condoning, excusing or overlooking by the Owner of any default, breach or non-observance by the Proponent at any time or times in respect of any provision herein contained shall operate as a waiver of the Owner's right hereunder in respect of any continuing or subsequent default, breach or non-observance or so as to defeat or affect in any way the rights of the Owner herein in respect of any such continuing or subsequent default or breach, and no waiver shall be inferred from or implied by anything done or omitted by the Owner save only an express waiver in writing. Any Work completed by the Owner required by this agreement to be done by the Proponent shall not relieve the Proponent of his/her obligations to do that Work.

8.0 NON-ASSIGNMENT

The Proponent may assign neither this tender nor any Work to be performed under this tender or any part hereof without the prior written consent of the Owner. Such written consent however shall not under any circumstances relieve the Proponent of his/her liabilities and obligations under this Tender and shall be within the sole and unfettered discretion of the Owner.

9.0 PERSONAL PROPERTY SECURITY ACT

The Proponent warrants that the goods/inventory/equipment being supplied to the Owner, are free and clear of all liens, charges, encumbrances, mortgages, hypothecations, copyright, patents, or any third-party statutory claims.

10.0 Bid Tender Checklist for a Complete Package Submission

All remaining pages must be included in the submission along with any records requested to complete the submission.

- Completed Tender Form
- Tender Summary Information sheet
- Signed Declaration Form
- Completed Specification & Confirmation Form "Schedule B"
 - Truck Cab & Chassis
 - All Season combination dump body with salt/sand spreader system
 - Accessory equipment
- Original Manufacturer's brochures for Make, Model and year for each unit of the tender.
- Signed Manufacturer's Warranty Statement

Schedule “B” – Standard Truck Specifications

Specifications and Confirmation – Standard Truck Cab & Chassis
 G.V.W.R. – 27,216 KG (60,000 lbs.)
 C.A. 122" Clear and Useable

GENERAL: This specification covers a 60,000 lbs. GVWR diesel truck, axle, intended for installation of snow plow and dump body or material spreader body. Requisition shall state alternate C.A. dimension for frame if required for body installation. The make and model tendered must comply with the following specifications in all aspects. Where specific components are specified, alternative components may be considered however they must be approved by the Township a minimum of one week prior to tender closing. Only the major details of a unit are listed, it is the supplier's responsibility to deliver a fully equipped unit with compatible components to provide dependable efficient service. Where minimums are given the unit must meet or exceed the capacity, size or performance specified.

BIDS WILL NOT BE CONSIDERED IF:
<ul style="list-style-type: none"> → The product on which a price was submitted does not meet all the requirements of the specifications, or → The bidder does not confirm compliance with all items of the specifications by ticking the box for “YES” or “Y” for all items where required and does not provide the required information where the word “Specify:” is noted on the confirmation requesting further information.

TRUCK SPECIFICATIONS:	INFORMATION THAT REQUIRES CONFIRMATION:
1. MAKE, MODEL AND YEAR:	Specify ALL:
Specify make, model and of unit being tendered. <input type="checkbox"/> New Model <input type="checkbox"/> Demo Unit	MAKE: MODEL: YEAR:
This Unit shall be supplied with all standard equipment, plus all other equipment outlined in this specification if not standard to ensure that all systems and attachments fully function as a dump and plow truck.	<input type="checkbox"/> Y <input type="checkbox"/> N
A Pre-production meeting with the bidder, body supplier, cab/chassis supplier and the Municipality prior to any fabrication of the vehicle to ensure all components and systems are fully compatible.	<input type="checkbox"/> Y <input type="checkbox"/> N
The Bidder, if requested, must arrange a working demonstration of any unit offered as an approved equivalent. This will be at the Delivery location specified in the Contract and prior to the closing date.	<input type="checkbox"/> Y <input type="checkbox"/> N
The Bidder shall provide Operator and Maintenance training for all components – mandatory	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
Variable pitch back-up alarm must be provided	<input type="checkbox"/> Y <input type="checkbox"/> N
2. CMVSA:	
Vehicles shall meet or surpass the mandatory requirements of the Canada Motor Vehicle Safety Act , the Ministry of Transportation of Ontario and its Regulations in effect on the date of manufacture and	<input type="checkbox"/> Y <input type="checkbox"/> N

	the vehicles must bear the National Safety Mark. Vehicle shall be Registered and licensed to Max GVWR.	
3. GROSS WEIGHT RATINGS:		
	G.V.W.R. – 27,216 kg. (60,000 lbs.) minimum	Specify:
	G.A.W.R. - Front – 9,072 kg. (20,000 lbs.) minimum	Specify:
	G.A.W.R. - Rear – 18,144 kg. (40,000 lbs.) minimum	Specify:
	The allowable G.V.W.R. as supplied shall be shown on a metal or mylar tag.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Dimensions: 6X4	<input type="checkbox"/> Y <input type="checkbox"/> N
	Axle to Frame: Min 75 inches	<input type="checkbox"/> Y <input type="checkbox"/> N
4. AXLES:		
Front	Meritor MFS-20-133A, wide track, I-beam type, 20,000 – lb – Mandatory Must Specify	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	Set back Meritor or approved equivalent Eaton/Dana front axle – 9,072 kg. (20,000 lbs.) capacity, minimum	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	Front axle shall have oil lubricated wheel bearings using synthetic oil	<input type="checkbox"/> Y <input type="checkbox"/> N
	Front bumper to center line of front axle distance shall not exceed 1175mm (46").	<input type="checkbox"/> Y <input type="checkbox"/> N
	Horton Roller Bushings for rear shackles of front axle.	<input type="checkbox"/> Y <input type="checkbox"/> N
Rear	Meritor Tandem or approved equivalent – 18,144 kg (40,000lbs.) capacity – Mandatory Must Specify	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	C.A. shall be 122", +/- 1" CA shall be clear and useable	Specify:
	Rear tandem axel shall be single speed with 54" spread.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Inter-axel full differential lockout with in-cab switch.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Equipped with 4-wheel lock.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Gear Ratio 5.29	<input type="checkbox"/> Y <input type="checkbox"/> N
	Ratio matched to engine and transmission to give adequate off-road power and top highway speed of 100km/hr minimum	<input type="checkbox"/> Y <input type="checkbox"/> N
	The rear differential shall be supplied with 100% synthetic lubrication oil, approved for extended warranty, with warranty applied.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Shock absorbers - all	<input type="checkbox"/> Y <input type="checkbox"/> N
	Wheel hub cover shall be Stemco Ser 343 or equiv.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Approved single speed , tandem axels: Meritor RT-40-145P	Specify: MAKE:
	Spicer J400S Eaton DS-405P Mack SB 38/S440	Specify: MODEL:
	Approved ratios: 4.88 with 1950 RPM engine	Specify: RATIO:
5. BRAKES:		
	Service brakes - full air brakes, "S" cam drum type	<input type="checkbox"/> Y <input type="checkbox"/> N
	Brake drums shall be outboard mounted	<input type="checkbox"/> Y <input type="checkbox"/> N
	Air Cam Front brakes size - 419 mm x 152 mm (16.5" x 5") minimum includes 24 sq in Long Stroke Brake Chambers	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	Air Cam Rear Brakes size - 419 mm x 178 mm (16.5" x 7"), minimum, includes 30/30 sq in Long Stroke Brake Chamber and spring actuated parking brake.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:

CPL #0s-625 brake stroke indicators to be installed on all drive axle brakes.	<input type="checkbox"/> Y <input type="checkbox"/> N
Dust shields front and rear	<input type="checkbox"/> Y <input type="checkbox"/> N
Low air pressure indicator	<input type="checkbox"/> Y <input type="checkbox"/> N
Berg pull-cord drain valves, on all tanks.	<input type="checkbox"/> Y <input type="checkbox"/> N
Complete Air brake system with Air dryer - Bendix AD-9 with heater	<input type="checkbox"/> Y <input type="checkbox"/> N
Airline antifreeze system for winter operations	<input type="checkbox"/> Y <input type="checkbox"/> N
Air Tank painted aluminium	<input type="checkbox"/> Y <input type="checkbox"/> N
Brake travel indicators shall be installed	<input type="checkbox"/> Y <input type="checkbox"/> N
Air compressor - 6.23 l/s (13.2 cfm) minimum (Cummins or BW-550)	<input type="checkbox"/> Y <input type="checkbox"/> N Specify: CFM.:
Asbestos free brake lining.	<input type="checkbox"/> Y <input type="checkbox"/> N
Front and Rear Automatic slack adjusters – Eaton Haldex	<input type="checkbox"/> Y <input type="checkbox"/> N
ABS brake system, all wheels without anti-traction or no spin .	<input type="checkbox"/> Y <input type="checkbox"/> N
Engine Compression Brake with selector switch and on/off switch.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
6. FRAME (Double):	
Straight through constant height frame rails	<input type="checkbox"/> Y <input type="checkbox"/> N
Section modulus shall be 19.8 in ³ minimum.	Specify:
Frame yield strength shall be 120,000 p.s.i. minimum.	Specify:
RBM shall be 3,000,000 lbs. in. minimum	Specify:
Specify Frame dimensions (Depth x Width x Thickness).	Specify:
Specify dimensions of reinforcement, if equipped.	Specify:
The after frame (AF) dimension shall be a minimum of 66".	Specify:
Mounting of snow plow cheek plates shall be possible.	<input type="checkbox"/> Y <input type="checkbox"/> N
(Any changes in this area from vehicles previously supplied to the Municipality must be approved by the Municipality).	
Provision shall be made to prevent diamond shaping of the frame. The frame shall be bridged, or a cross- member shall be supplied within ten inches of the rear of the cab in order to transfer snow plow wing push to each frame rail. This cross-member shall be gusseted fore and after and shall conform generally to drawings "A-7-491" and "A-7-492". It must be approved by the Maintenance Office.	<input type="checkbox"/> Y <input type="checkbox"/> N
7. SUSPENSION:	
Front springs shall have a ground rating of 9,072 kg (20,000 lbs.) each minimum.	Specify:
Wheel Base: Approximately 211" to match required CA	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
143.9 CA to be confirmed prior to placement of order based on options selected for Snow plow Equipment.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
Air Ride Suspension	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
Front Shock Absorbers (2)	<input type="checkbox"/> Y <input type="checkbox"/> N
Rear Suspension Spring Capacity 23,000lbs each (46,000 lbs) minimum rating or approved equivalent.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
Dual transverse torque rods shall be supplied.	<input type="checkbox"/> Y <input type="checkbox"/> N

8. WHEELS & TIRES:		
	Dual rear wheels.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Two (2) front, first line steel belted 20 ply radial tubeless type tires; Michelin XZY 425/65 R22.5, load range "L". Or approved Bridgestone or Goodyear.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify: SIZE: LOAD RANGE:
	Eight (8) rear, first line steel belted 16 ply radial tubeless type winter tires; Michelin XDS2 11R22.5, load range "H".	<input type="checkbox"/> Y <input type="checkbox"/> N Specify: SIZE: LOAD RANGE:
	Tread Design - Front, Standard Highway Rib tread.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify: MAKE:
	Two (2) ALCOA rims 311 mm x 571 mm (12.25 x 22.5) Heavy duty 10 hub pilot heavy duty steel disc with studs in tire	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	Two (2) Spare ALCOA rims without tires (12.25 x 22.5) 10-hole hub pilot	<input type="checkbox"/> Y <input type="checkbox"/> N
	Eight (8) ALCOA rims 571 mm x 209 mm (22.5 x 8.25), 10-hole heavy duty hub pilot steel disc	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	Hub piloted steel rims with plastic spacers.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Two (2) spare rear ALCOA rims 22.5x8.25 with tire. 10-hole hub pilot heavy duty steel disc	<input type="checkbox"/> Y <input type="checkbox"/> N
9. ENGINE:		
	Make: Detroit Diesel DD13 or equivalent must use DEF with 6-gallon minimum DEF tank mounted on left hand side	Specify:
	EPA 2010	<input type="checkbox"/> Y <input type="checkbox"/> N
	Diesel, Single Turbo, water cooled, in-line, four stroke cycle, six-cylinder, sleeved engine, governed for vocational use.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify: MAKE: MODEL:
	Engine displacement – 12.8 L min.	Specify:
	Horsepower - 370 H.P. minimum at 2000 R.P.M.	Specify: KW/H.P.: RPM:
	Net torque shall be 1966 N-m (1450 lbs.-ft.) min.	Specify: NET TORQUE:
	Engine Retarder including an on/off switch and a three-level selector switch.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Air compressor air supply line naturally aspirated	<input type="checkbox"/> Y <input type="checkbox"/> N
	Cold starting equipment automatic with engine ECM Control	<input type="checkbox"/> Y <input type="checkbox"/> N
	Block heater socket receptacle type: mounted below driver's door	<input type="checkbox"/> Y <input type="checkbox"/> N
	Engine shutdown electric, key operated	<input type="checkbox"/> Y <input type="checkbox"/> N
	Fuel Filter with top access; engine mounted, spin on type filter element; engine mounted	<input type="checkbox"/> Y <input type="checkbox"/> N
	Fuel system high pressure common rail/ governor electronic	<input type="checkbox"/> Y <input type="checkbox"/> N
	Heat management system eco-therm oil filter; engine drop-in cartridge type	<input type="checkbox"/> Y <input type="checkbox"/> N
	Fuel tank to be MIN 80 Gal/303 Litres with gauge in cab. Minimum step tank mounted on the left side, not to interfere with mounting of plow, sander combo unit.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify: CAPACITY: TYPE:

	Air Cleaner Dual Element, with integral Snow Valve and in-cab Control	<input type="checkbox"/> Y <input type="checkbox"/> N
	Engine oil pan shall be protected from corrosion by a rust proof epoxy coating or be aluminium die cast.	<input type="checkbox"/> Y <input type="checkbox"/> N
10. TRANSMISSION:		
	The Engine shall be equipped with an Allison 3000 RDS P series automatic transmission or approved, filled with synthetic oil and marked.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Transmission lubricant shall be synthetic with transmission oil cooler and pump.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	Driveline shall be calculated to torque requirements.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify: Driveline series:
	Axle Ratio 3.73	<input type="checkbox"/> Y <input type="checkbox"/> N Specify: RATIO:
	Engine shall be Tier compliant	<input type="checkbox"/> Y <input type="checkbox"/> N
11. ENGINE EQUIPMENT:		
	Key on/ key off engine control, supplied with 2 keys same for switch as door	<input type="checkbox"/> Y <input type="checkbox"/> N
	Alternator shall be 135 amp. minimum capacity and shall be brushless. Delco 30SI	<input type="checkbox"/> Y <input type="checkbox"/> N Specify: CAPACITY:
	The alternator capacity at engine idle shall be 50 amperes, minimum.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	Battery - Maintenance Free type. SAE rating combined 12 volt, 2000 C.C.A. minimum.	Specify: CCA:
	If the batteries are mounted behind the cab, they shall be on the left-hand side. Batteries shall be easily accessible for service.	<input type="checkbox"/> Y <input type="checkbox"/> N
	An automatic, temperature controlled on/off fan clutch.	<input type="checkbox"/> Y <input type="checkbox"/> N
	High temperature and low oil pressure engine protection light and audible warning device shall be installed. (Automatic engine shut down not acceptable).	<input type="checkbox"/> Y <input type="checkbox"/> N
	Air cleaner - dry type	<input type="checkbox"/> Y <input type="checkbox"/> N
	Air cleaner shall have provision for switching between outside air intake and under hood air intake or have a similar means to avoid impaction of snow in the air induction system under severe conditions.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Oil filter - full flow type	<input type="checkbox"/> Y <input type="checkbox"/> N
	A heavy-duty fuel water separator with heater and sight glass shall be supplied.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify: MAKE: MODEL:
	Engine block heater, 1500 watts/120 V, minimum.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Block heater plug-in must be located at the driver's door and must be a fixed type with a covering flap.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Engine anti-freeze to -40o C.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Corrosion resistor (spin on water filter) for engine coolant.	<input type="checkbox"/> Y <input type="checkbox"/> N

	The exhaust pipe shall be vertical, cab mounted, equipped with a rain cap or a 90o bend on top, and the muffler shall be mounted horizontally or mounted vertically so as to not protrude behind rear of cab. The whole installation shall not interfere with C.A. or with the mounting of a snow plow wing tower, CA shall be clear and usable if no specify.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Engine hood shall be forward tilting type with adequate hatches to provide easy engine access.	<input type="checkbox"/> Y <input type="checkbox"/> N
	If the crankshaft is not located low enough below the radiator to allow for the installation of a front mounted pump and drive shaft, a minimum 88 mm (3 1/2") diameter opening through the radiator shall be provided centred with the crankshaft of the engine to allow adequate clearance of the PTO shaft.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Crankshaft shall be provided with an adaptor for PTO drive	<input type="checkbox"/> Y <input type="checkbox"/> N
	The radiator shall be supplied with a gravel guard to cover the front radiator opening.	<input type="checkbox"/> Y <input type="checkbox"/> N
12. CAB:		
	Cab shall include Spread Smart RxTouch™ with 10" colour TFT Display of the latest model – mandatory must specify	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
14. PAINT:		
	Paint shall conform to M.T.O. Equipment Standards ES-304	<input type="checkbox"/> Y <input type="checkbox"/> N
	Finish paint to be "Baked on"	<input type="checkbox"/> Y <input type="checkbox"/> N
	Cab	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	Interchangeable Dump Box and V-Style Hopper Sander, are to be painted– Mandatory Must Specify	<input type="checkbox"/> Y <input type="checkbox"/> N
	The Hopper, Dump shall be shot blasted and epoxy primed with 3 mils of DuPont DTM Primer	<input type="checkbox"/> Y <input type="checkbox"/> N
15. WARRANTY & MANUALS:		
	The truck shall be covered by the standard manufacturer's warranty, a description of which shall be included with the tender documents and to be FOB Manitowaning Yard.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Give prices and details of optional warranties	<input type="checkbox"/> Y <input type="checkbox"/> N
	State terms in full for all components – mandatory	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	Electronic & Paper Manuals shall be supplied – mandatory	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	Parts & Service Manuals for all components – mandatory	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	Operators Manual – Mandatory	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
16. ACCOMPANIED PARTS & NUMBERS		
	Bidder shall supply all filters and lube required to perform the first manufacture recommended service – mandatory must specify	<input type="checkbox"/> Y <input type="checkbox"/> N
	Manufacture of Unit	Specify:
	Model of Unit	Specify:
	Shipping weight of Unit as per specifications	Specify:
	Engine Oil Service Intervals (hours)	Specify:
	Engine Oil Filter Number	Specify:
	Engine Air Filters	Specify: Primary:

		Secondary:
	Engine Oil	Specify:
	Transmission Oil	Specify:
	Differential Oil	Specify:
	Grease	Specify:
17. ADDITIONAL:		
	Spec compliance with diagram showing proper weight distribution shall be done.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Dealer markings or transfer are not to be applied to these vehicles.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Vehicle shall be supplied with a valid Periodic Mandatory Commercial Vehicle Inspection (PMCVI) sticker.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Vehicle must be rust-proofed and undercoated using an oil spray procedure meeting M.T.O. Specification #0099-2E. <u>Warranty certificate</u> must be provided at time of delivery of vehicle. Approved products: Krown Industrial, or equiv.	Specify:
	Automatic greasing system for both truck, plow and sanding unit shall be installed	<input type="checkbox"/> Y <input type="checkbox"/> N
	Heavy duty electronic rust protection unit installed (defender plus or equivalent)	<input type="checkbox"/> Y <input type="checkbox"/> N
	Electrical schematics shall be supplied for both truck chassis and body unit.	<input type="checkbox"/> Y <input type="checkbox"/> N

SANDER HOPPER SPECIFICATIONS

1. GENERAL FUNCTIONALITY		
	The unit will be front unload “U” hopper design compatible with the Multi-body System & be capable of being transferred on and off using the standard Multi-Body System.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	The Multi-body System must be able to quickly connect/disconnect Electrical cables, Air & Hydraulic Hoses to/from the Body QD Plate.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	The Electrical cables, Air & Hydraulic hoses must be functionally compatible with the Body QD Interface Specification	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	All required lighting, pumps, hydraulic or air devices for the intended function of the Multi-Use Body System that are not on the standard Multi-use Body chassis must be self-contained on the Body and connected through the QD Plate on the Tipping Frame of the Multi-use Body Chassis.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	The Multi-Use Body System must be able to support being loaded/unloaded from the Multi-use body chassis with full capacity load in the body.	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
2. LOCKS FROM TIPPING FRAME TO BODY		
	The Multi-use Body System must be able to be horizontally locked on the tipping frame to prevent movement in the Horizontal position in the raised through the lowered position.	<input type="checkbox"/> Y <input type="checkbox"/> N
	The Multi-Use Body System must lock in position vertically as it is positioned into the tipping frame in at least 6 contact points. Four at the front and two at the rear.	<input type="checkbox"/> Y <input type="checkbox"/> N
3. DIMENSIONS		

	Overall Sander length will be 189" measured from the front of the hopper roller frame to the outside rear tailgate	<input type="checkbox"/> Y <input type="checkbox"/> N
	Inside sander length will be 173" minimum	<input type="checkbox"/> Y <input type="checkbox"/> N
	Outside sander width will be 97" maximum. 102" with Ladder	<input type="checkbox"/> Y <input type="checkbox"/> N
	Inside Sander width will be 95" minimum	<input type="checkbox"/> Y <input type="checkbox"/> N
	Overall Height of Sand Hopper Body from top of Tipping frame will be 76"	<input type="checkbox"/> Y <input type="checkbox"/> N
	Sander front and rear panel heights will be 71" from the top of the main roller rail.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Capacity will be 9.5 yd ³ at water level of sander	<input type="checkbox"/> Y <input type="checkbox"/> N
	Capacity with 10" sideboards will be 13.0 yd ³ at water level	<input type="checkbox"/> Y <input type="checkbox"/> N
	Tare weigh of complete sander assembly including the cross conveyor will be 5,800 lbs maximum	<input type="checkbox"/> Y <input type="checkbox"/> N
	The unit will have radius sides to maximize payload and still permit gravity flow unloading	<input type="checkbox"/> Y <input type="checkbox"/> N
	Manual Tarp Side rails 18" from top of top rail, ½" diameter	<input type="checkbox"/> Y <input type="checkbox"/> N
4. TAILGATE		
	Air Tailgate actuated by two independent 30/30 brake chambers	<input type="checkbox"/> Y <input type="checkbox"/> N
	The unit must have the capability of a rear air operated tailgate to provide unloading for alternate use or for conveyor service purposes	<input type="checkbox"/> Y <input type="checkbox"/> N
5. LIGHTING		
	Two (2) LED Rear Amber Strobes	<input type="checkbox"/> Y <input type="checkbox"/> N
	Two (2) LED Rear Blue Strobes	<input type="checkbox"/> Y <input type="checkbox"/> N
	B304	<input type="checkbox"/> Y <input type="checkbox"/> N
6. MAIN CONVEYOR		
	The Main conveyor must be centered and recessed along the inside length of the Sander Hopper Body	<input type="checkbox"/> Y <input type="checkbox"/> N
	The Main Conveyor channel must be 25in wide	<input type="checkbox"/> Y <input type="checkbox"/> N
	Main Conveyor floor must be 3/16" thick high tensile steel with a minimum yield strength of 180,000 psi.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Main Conveyor floor must be replaceable	<input type="checkbox"/> Y <input type="checkbox"/> N
	Cross flights shall be 3/8" thick by 1.5" wide minimum	<input type="checkbox"/> Y <input type="checkbox"/> N
	Cross flights shall be welded to every 2 nd link.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Main conveyor drive shall be a single 25:1 high efficiency planetary drive with 6 in ³ high torque low speed hydraulic drive motor	<input type="checkbox"/> Y <input type="checkbox"/> N
	Greaseable Ram with adjustment length up to 3 links	<input type="checkbox"/> Y <input type="checkbox"/> N
	Conveyor Chain must be covered by Long Sill extension to protect chain from material	<input type="checkbox"/> Y <input type="checkbox"/> N
	Manual Discharge Gate	<input type="checkbox"/> Y <input type="checkbox"/> N
7. PROLINE REVERSIBLE CROSS CONVEYOR		
	The cross conveyor shall be hydraulic direct drive via a single reversible 11cu in hydraulic motor controlled by a 12v solenoid valve with an in-cab toggle switch.	<input type="checkbox"/> Y <input type="checkbox"/> N
	A cross conveyor assembly shall be used to discharge material from the main conveyor to either the left or right sides of the chassis.	<input type="checkbox"/> Y <input type="checkbox"/> N

	Cross conveyor assembly to mount on chassis frame independent from and in front of main combination spreader	<input type="checkbox"/> Y <input type="checkbox"/> N
	Cross conveyor unit shall be removeable design to reduce added weight in non-spreading applications	<input type="checkbox"/> Y <input type="checkbox"/> N
	Cross conveyor weldment shall be fabricated from a minimum 3/16" Cor-Ten A corrosion resistant material	<input type="checkbox"/> Y <input type="checkbox"/> N
	Cross conveyor belt to be fabricated from 3/8" thick 2 ply 121 conveyor belting	<input type="checkbox"/> Y <input type="checkbox"/> N
	Belt shall be positive drive to eliminate slippage	<input type="checkbox"/> Y <input type="checkbox"/> N
	The cross-conveyor belt shall be capable of asphalt application	<input type="checkbox"/> Y <input type="checkbox"/> N
	Cross conveyor assembly to include replacement polymer guards to prevent material from entering under the belt	<input type="checkbox"/> Y <input type="checkbox"/> N
	Cross conveyor assembly to provide for provisions during mounting of material sand/salt chutes and spinner units	<input type="checkbox"/> Y <input type="checkbox"/> N
8. SPINNER		
	A polyurethane spinner shall be installed on left hand side/driver side to spread ahead of the rear wheels	<input type="checkbox"/> Y <input type="checkbox"/> N
	A 3.0 cu in hydraulic motor shall drive the spinner assembly	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	The spinner height shall be adjustable from 20-28 inches below the mounting surface of the body	<input type="checkbox"/> Y <input type="checkbox"/> N
	The spinner height shall be capable of spreading evenly up to a 20ft radius with a main operating range of 0-15ft radius	<input type="checkbox"/> Y <input type="checkbox"/> N
	Spinner assembly capable of discharge rate from 100 lbs / lane mile to 2,500 lbs/lane mile.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Spinner position adjustable for and aft horizontal along chassis frame rail	<input type="checkbox"/> Y <input type="checkbox"/> N
	Spinner assembly will be flip up style allowing the spinner to be carried in an onboard stored/raised position	<input type="checkbox"/> Y <input type="checkbox"/> N
	Hydraulic hoses to the spinner motor are to be complete with quick disconnect automated sealing breakaway couplers and are to be assembled so that the male end plug into the female end on the spinner motor and the hoist frame when the spinner assembly is disconnected	<input type="checkbox"/> Y <input type="checkbox"/> N
9. CONSTRUCTION		
	Uni-body construction, continuous welding, inside and outside	<input type="checkbox"/> Y <input type="checkbox"/> N
	Sander Hopper Body side construction will be a minimum of 10 gauge Cor-Ten	<input type="checkbox"/> Y <input type="checkbox"/> N
	Longsills made of 3/16" Domex100W riding on the Tipping frame	<input type="checkbox"/> Y <input type="checkbox"/> N
	Cab shield and wind deflector must be integral with the front panel	<input type="checkbox"/> Y <input type="checkbox"/> N
	Top of rear panel must be sloped for minimizing material spill	<input type="checkbox"/> Y <input type="checkbox"/> N
	Uni-body Longsill and Conveyor chain cover on full length of body	<input type="checkbox"/> Y <input type="checkbox"/> N
10. FINISH		
	Primer, Chromate Epoxy CR2580 Dupont	<input type="checkbox"/> Y <input type="checkbox"/> N
	Zinc Coating, Organic Zinc PPG 594601	<input type="checkbox"/> Y <input type="checkbox"/> N
	Finish Paint, "British Racing Green" or equivalent	<input type="checkbox"/> Y <input type="checkbox"/> N
11. OPTIONS		
	Single Liquid Tank, total of 180 US gallons hung from integral side panels stiffeners	<input type="checkbox"/> Y <input type="checkbox"/> N

	Dual Liquid Tanks, total of 270 US gallons hung from integral side panel stiffeners	<input type="checkbox"/> Y <input type="checkbox"/> N
	Hardox 450 in place of Corten on floor, sides, tailgate, front headboard	<input type="checkbox"/> Y <input type="checkbox"/> N
	Hydraulic Discharge Gate with Control from Cab	<input type="checkbox"/> Y <input type="checkbox"/> N
	Removable Cover of 3/16" thick height tensile steel with minimum yield strength of 155,000 psi	<input type="checkbox"/> Y <input type="checkbox"/> N
	Rubber Removeable Conveyor Cover	<input type="checkbox"/> Y <input type="checkbox"/> N
	A polyethylene sheet, minimum ½ inch thick, installed under the main conveyor to prevent spreader material from collecting on the truck chassis frame	<input type="checkbox"/> Y <input type="checkbox"/> N
12. OPTION : MATERIAL SCREENS		
	Heavy Duty Construction, central I-beam	<input type="checkbox"/> Y <input type="checkbox"/> N
	Cross supports to I-beam must be angled to prevent material accumulation	<input type="checkbox"/> Y <input type="checkbox"/> N
	Qty six (6) section and easily removeable construction	<input type="checkbox"/> Y <input type="checkbox"/> N
	Screen openings 3" x 3" approx.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Wire size must be 3/8" minimum	<input type="checkbox"/> Y <input type="checkbox"/> N
	Screens must not prevent the tailgate from opening at any time	<input type="checkbox"/> Y <input type="checkbox"/> N

MULTI-USE BODY SYSTEMS

1. GENERAL		
	The system will be a hydraulic roll off unit with multiple optional body designs capable of transferring 40,000lbs (18,182) loads off and on the main frame with an actual cable pull force of 27,000lbs (12,273kg)	<input type="checkbox"/> Y <input type="checkbox"/> N
	The main frame must be capable of accepting the RH wing brace without affecting the minimum CA required for the main frame	<input type="checkbox"/> Y <input type="checkbox"/> N
	All electrical and hydraulic connections must be made at the front driver's side corner of the tipping frame	<input type="checkbox"/> Y <input type="checkbox"/> N
	Frame / body must be able to be raised without disconnection of the electrical and hydraulics	<input type="checkbox"/> Y <input type="checkbox"/> N
	1 ½" lock pins on each side to prevent horizontal movement of the body on the tipping frame	<input type="checkbox"/> Y <input type="checkbox"/> N
	Lock operated manually from front driver's side, with the actuation locking on both sides	<input type="checkbox"/> Y <input type="checkbox"/> N
2. DIMENSIONS		
	The complete assembly will be designed to fit a chassis CA of 138"	<input type="checkbox"/> Y <input type="checkbox"/> N
	Reinforced main frame will be 4" x 8" x 3/8" x 187.5"	<input type="checkbox"/> Y <input type="checkbox"/> N
	The hydraulically extendable tail will be 3" x 7" x 3/8" x 96"	<input type="checkbox"/> Y <input type="checkbox"/> N
	The Frame will be equipped with 4, 4" outside rollers	<input type="checkbox"/> Y <input type="checkbox"/> N
	Roller cable will be 7/8" diameter 8x36 IWRC c/w safety hook	<input type="checkbox"/> Y <input type="checkbox"/> N
	Cable sheaves will be 8 7/8" diameter w/bronze bushings on a 2" shaft	<input type="checkbox"/> Y <input type="checkbox"/> N
	The LH and RH hoisting anchor pins must be 2.00"x 11.75"	<input type="checkbox"/> Y <input type="checkbox"/> N
	The Front stop blocks will be 2" 44W plate 13 5/8" x 3 11/16" welded 100% to main frame	<input type="checkbox"/> Y <input type="checkbox"/> N
	The tilt hinge will be a P250 model	<input type="checkbox"/> Y <input type="checkbox"/> N

	The saddle weldment will be ½" 44W formed plate reinforced with ¾" x 4" flatbar	<input type="checkbox"/> Y <input type="checkbox"/> N
3. HYDRAULICS		
	There will be two 5"x72" single stage double acting lift cylinders located outboard of the LH and RH chassis frame rails, complete with flange mounted counterbalance valves	<input type="checkbox"/> Y <input type="checkbox"/> N
	The hydraulic stinger cylinder must be 2" x 50" double acting	<input type="checkbox"/> Y <input type="checkbox"/> N
	There will be one 49 ton cable cylinder, single stage double acting 8x65" with a rated operating pressure of 2700psi. Winch cylinder must have a flange mounted counterbalance valve and the rod must be retracted with the body on	<input type="checkbox"/> Y <input type="checkbox"/> N
	All hydraulic cylinder rods will be hyperchromed 200 treated	<input type="checkbox"/> Y <input type="checkbox"/> N
	All hydraulic body functions will be hard plumbed using 304 stainless tubing through the tipping frame and along the chassis	<input type="checkbox"/> Y <input type="checkbox"/> N
4. SAFETY PROP		
	Dual LH and RH safety prop stored on the main frame rails and must clip onto cylinder rod to act as positive cylinder locks	<input type="checkbox"/> Y <input type="checkbox"/> N
5. LIGHTING		
	A basic light kit complying with FMVSS/CMVSS 108 lighting requirements shall be supplied as standard equipment with each unit	<input type="checkbox"/> Y <input type="checkbox"/> N
	There will be a rear LH and RH light cluster in a 304L stainless steel enclosure with stop, tail and turn and back up lights on each side as well as two 4" heated 1200 lumen LED work flood lights on a separate single switch	<input type="checkbox"/> Y <input type="checkbox"/> N
	There will be clearance lights mounted mid body both LH and RH sides on the standard supplied chassis frame mounted aluminum fenders	<input type="checkbox"/> Y <input type="checkbox"/> N
	The lights and wiring will be completely sealed with corrosion and vapour proof lamps and junction box.	<input type="checkbox"/> Y <input type="checkbox"/> N

FULLY DETACHABLE FRONT PLOW AND WING

All items must be answered. Bidders shall state Yes for compliance and No for a deviation and give a reply, must also specify further information where requested. Deviations shall be clearly stated and fully detailed

1. FRONT HARNESS

	Fully detachable harness; one person operation & no tools required	<input type="checkbox"/> Y <input type="checkbox"/> N
	Truck Harness shall be in compliance with MTO Standards ES-401, or equivalent design approved by MTO	<input type="checkbox"/> Y <input type="checkbox"/> N
	The bumper of the truck must be fixed and integrated with the front check plate of harness	<input type="checkbox"/> Y <input type="checkbox"/> N
	Hydraulic connectors shall be attached to the LH side of the bumper with a minimum spacing facilitate connections	<input type="checkbox"/> Y <input type="checkbox"/> N
	The lifting frame shall be bolted to the push plate and shall be braced to conform to MTO standards	<input type="checkbox"/> Y <input type="checkbox"/> N
	Lifting Ram Diameter: 4" minimum	<input type="checkbox"/> Y <input type="checkbox"/> N
	Cylinder rod shall be fully chrome plated	<input type="checkbox"/> Y <input type="checkbox"/> N
	Lift grab link for nose chain shall be 18" minimum	<input type="checkbox"/> Y <input type="checkbox"/> N
	Drive ears shall be 30 ½" centre to centre	<input type="checkbox"/> Y <input type="checkbox"/> N
	Height to lower drive connection is 19" when mounted and truck is empty	<input type="checkbox"/> Y <input type="checkbox"/> N

	Front column will be fixed to the front tube harness in a way not to interfere with the hood opening at any time	<input type="checkbox"/> Y <input type="checkbox"/> N
	Three grab links shall be supplied	<input type="checkbox"/> Y <input type="checkbox"/> N
	Two seal beam halogen type headlights with high and low beam shall be supplied and spacing to comply with the MTO Standards ES-401	<input type="checkbox"/> Y <input type="checkbox"/> N
	RH front helper spring shall be provided – 16,000lb capacity	<input type="checkbox"/> Y <input type="checkbox"/> N
	Aeon ES-401 and the wires from the truck turn signals shall be connected to those lights and the wires shall be protected in the loom.	<input type="checkbox"/> Y <input type="checkbox"/> N
	All Hydraulic hoses and wiring shall be adequately supported to ensure that wear and sag is completely eliminated	<input type="checkbox"/> Y <input type="checkbox"/> N
	The harness will be supplied with two (2) double acting hydraulic cylinders. One to operate the plow lift function and the other to perform the tilt function exclusively	<input type="checkbox"/> Y <input type="checkbox"/> N
	Tilt cylinder shall be 2 ½” with 6” stroke and the cylinder rod shall be fully chromed	<input type="checkbox"/> Y <input type="checkbox"/> N
	Hydraulic power tilt function controlled by an in-cab joystick	<input type="checkbox"/> Y <input type="checkbox"/> N
	Front plate to be complete with quick-tack hitch pockets	<input type="checkbox"/> Y <input type="checkbox"/> N
	Truck harness to be painted black	<input type="checkbox"/> Y <input type="checkbox"/> N
2. WING HARNESS		
	The front slide shall be equipped with a 30degree hinge including an AEON rubber and the wing to assist to return to position after an obstacle	<input type="checkbox"/> Y <input type="checkbox"/> N
	A reservoir of 35 US gallon capacity shall be supplied but must not interfere with the operation of the box. Valves shall be installed on outlet lines at the reservoir	<input type="checkbox"/> Y <input type="checkbox"/> N
	The design and construction of the wing post shall be in compliance with MTO ES403, or be of equivalent design. Brace “A” in a second sturdy cross member shall replace ES403. This cross member shall be bolted to both cheek plates – alternate braces must be approved.	<input type="checkbox"/> Y <input type="checkbox"/> N
	The wing post shall be made of 8”, I-Beam, 18.4lb/ft minimum. Cross member shall be of heavy construction to sustain snow-plowing operation in severe conditions.	<input type="checkbox"/> Y <input type="checkbox"/> N
	The wing post, when mounted, shall not be higher than the wing tower.	<input type="checkbox"/> Y <input type="checkbox"/> N
	The sheave pin shall be provided with a grease fitting and an iolite bushing.	<input type="checkbox"/> Y <input type="checkbox"/> N
	An 8” grab link shall be provided with a tip over arrangement. A spring shall be included to return the wing to normal position after it has tripped.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Bottom wing post shall be approx.. 11” from ground, truck empty and shall be protected by a shoe	<input type="checkbox"/> Y <input type="checkbox"/> N
	A 3”x 30” stroke D.A. cylinder shall be mounted on the inside of the front post and shall operate the front win slide through 2 (6” dia) sheaves and a cable	<input type="checkbox"/> Y <input type="checkbox"/> N
	Cross member must be bolted to wing post	<input type="checkbox"/> Y <input type="checkbox"/> N
	6” overhang shall be left on cross member to allow lateral movement for mounting the wing post on future trucks	<input type="checkbox"/> Y <input type="checkbox"/> N
	The wing post and cross member shall be painted industrial black	<input type="checkbox"/> Y <input type="checkbox"/> N
	Sealed beamwing light shall be provided with separate switch	<input type="checkbox"/> Y <input type="checkbox"/> N

Bottom of wing tower shall have a ground clearance of 14" minimum, truck empty	<input type="checkbox"/> Y <input type="checkbox"/> N
The spacing of the holes in the slides for connecting the wing bracing shall be approximately 17"	<input type="checkbox"/> Y <input type="checkbox"/> N
Approved size of ram controlling the rear end of wing shall be 3" dia. X 36" stroke approx.. cylinder with a cable and sheave assembly	<input type="checkbox"/> Y <input type="checkbox"/> N
The wing tower shall be of heavy construction and bolted to the right side of the truck chassis.	<input type="checkbox"/> Y <input type="checkbox"/> N
Wing tower shall be painted black	<input type="checkbox"/> Y <input type="checkbox"/> N
An integral BOC oil reservoir of 130L (35US gal) capacity	<input type="checkbox"/> Y <input type="checkbox"/> N
An oil filter with spin-on element shall be installed in the return line ahead of the reservoir with a shut-off valve between the filter and the reservoir	<input type="checkbox"/> Y <input type="checkbox"/> N
Wing tower shall be of 10" channel construction with a 25degree offset and its mountings shall be sufficient to sustain snow plowing operations under severe conditions	<input type="checkbox"/> Y <input type="checkbox"/> N
One pipe brace 2 3/4" diameter shall connect the bottom of the wing tower and the truck chassis near the forward mount of the right rear springs to reduce the shock of the truck frame.	<input type="checkbox"/> Y <input type="checkbox"/> N
The rear wing tower shall be heavily braced and gusseted to the frame cheek plate.	<input type="checkbox"/> Y <input type="checkbox"/> N
For maximum strength two channels shall be used to form support integral with the rear post	<input type="checkbox"/> Y <input type="checkbox"/> N
Two triangular stiffeners shall be incorporated into the assembly	<input type="checkbox"/> Y <input type="checkbox"/> N
Hydraulic hoses shall connect the rams of the tower with the valves in the control box. Hoses shall be two ply braided steel, SAE100R16 with swivels on both ends	<input type="checkbox"/> Y <input type="checkbox"/> N
All sheave pins shall be provided with oil impregnated bronze bearings and grease fitting	<input type="checkbox"/> Y <input type="checkbox"/> N
A safety chain shall be provided for securing wing when not in use	<input type="checkbox"/> Y <input type="checkbox"/> N
Guide bars to contain the rear wing slide shall be welded 100% from the bottom up 2 feet	<input type="checkbox"/> Y <input type="checkbox"/> N
Parts manual shall be supplied in each unit	<input type="checkbox"/> Y <input type="checkbox"/> N
The control valve will include the following sections:	<input type="checkbox"/> Y <input type="checkbox"/> N
1 – D.A. Plow lift	<input type="checkbox"/> Y <input type="checkbox"/> N
1 – D.A. Wing Brace	<input type="checkbox"/> Y <input type="checkbox"/> N
1 – D.A. Tilt Harness	<input type="checkbox"/> Y <input type="checkbox"/> N
1 – S.A. Body Hoist	<input type="checkbox"/> Y <input type="checkbox"/> N
1 – D.A. Front Wing	<input type="checkbox"/> Y <input type="checkbox"/> N
1 – D.A. Rear wing slide	<input type="checkbox"/> Y <input type="checkbox"/> N
The control panel assembly shall be of a Cirus design with 2 flip arms that are mount to the drivers air ride seat	<input type="checkbox"/> Y <input type="checkbox"/> N
An oil reservoir of adequate capacity shall be supplied complete with oil filter, oil level sight gauge, breather type filter cap, drain plug and oil shut off valve	<input type="checkbox"/> Y <input type="checkbox"/> N
The complete valve stack assembly will be mounted vertically on a 1/4" mounting plate, integral with the rear wing tower assembly	<input type="checkbox"/> Y <input type="checkbox"/> N
The valve mounting plate will be welded to the horizontal channel and sloping diagonal brace	<input type="checkbox"/> Y <input type="checkbox"/> N

	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"/> Y <input type="checkbox"/> N
	Wing dimensions: 144" long minimum – Must Specify	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	Wing dimensions: 29" Intake minimum – Must Specify	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	Wing dimensions: 39" exit minimum – Must Specify	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	The thickness of the moldboard skin shall be 10 USS Ga (.1345) minimum and shall be rolled formed	<input type="checkbox"/> Y <input type="checkbox"/> N
	Two Drive ribs for connecting the wing brace shall be provided	<input type="checkbox"/> Y <input type="checkbox"/> N
	Two drive ribs shall be located approx. 8'6" and 10'10" from the nose end of the wing	<input type="checkbox"/> Y <input type="checkbox"/> N
	Lower wing angle shall be 6"x 4" x 3/4"	<input type="checkbox"/> Y <input type="checkbox"/> N
	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"/> Y <input type="checkbox"/> N
	Two adjustable wing braces shall be supplied	<input type="checkbox"/> Y <input type="checkbox"/> N
	The upper brace shall be of a shock 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 the tip-over position.	<input type="checkbox"/> Y <input type="checkbox"/> N
	The lower brace shall incorporate a 5/8" x 6" compression spring to absorb any shock the wing encounters	<input type="checkbox"/> Y <input type="checkbox"/> N
	Upper Brace – extended to 90" CC	<input type="checkbox"/> Y <input type="checkbox"/> N
	Upper Brace – Collapsed – 60" CC	<input type="checkbox"/> Y <input type="checkbox"/> N
	Extended distances shall be measured it the spring fully retracted	<input type="checkbox"/> Y <input type="checkbox"/> N
	Lower Brace – Extended 88" CC	<input type="checkbox"/> Y <input type="checkbox"/> N
	Lower Brace – Collapsed 58" CC	<input type="checkbox"/> Y <input type="checkbox"/> N
	One spare pin for adjusting the wing braces shall be supplied with each brace	<input type="checkbox"/> Y <input type="checkbox"/> N
	Wing shall be fitted with one blade and one shoe	<input type="checkbox"/> Y <input type="checkbox"/> N
	The top edge of the wing shall be boxed in and welded 100% to the ribs and mold board so as to avoid any pockets	<input type="checkbox"/> Y <input type="checkbox"/> N
3. HIGH SPEED REVERSIBLE PLOW		
	12' Reversible two-way plow – Mandatory – must specify	<input type="checkbox"/> Y <input type="checkbox"/> N Specify:
	Moldboard shall be adjustable via a telescopic back brace to achieve an attack angle of 50 or 60 degrees	<input type="checkbox"/> Y <input type="checkbox"/> N
	Minimum Dimensions: Must specify:	
	Overall width : 12' :	<input type="checkbox"/> Y <input type="checkbox"/> N
	Moldboard height 36":	<input type="checkbox"/> Y <input type="checkbox"/> N
	Path cleared/bulldozing 12':	<input type="checkbox"/> Y <input type="checkbox"/> N
	Path cleared/35Deg : 9'10":	<input type="checkbox"/> Y <input type="checkbox"/> N
	Set at 50 deg attack angle the overhang from the cutting edge to the front of the moldboard shall be 20" minimum	<input type="checkbox"/> Y <input type="checkbox"/> N
	Set at 60 deg attack angle the overhang from the cutting edge to the front of the moldboard shall be 25" minimum	<input type="checkbox"/> Y <input type="checkbox"/> N
	Set at 50 deg attack angle the height from the ground to the front of the moldboard shall be 28" maximum	<input type="checkbox"/> Y <input type="checkbox"/> N

	Set at a 60 deg attack angle the height from the ground to the front of the moldboard shall be 24" maximum.	<input type="checkbox"/> Y <input type="checkbox"/> N
	The moldboard shall be fabricated from 10ga steel	<input type="checkbox"/> Y <input type="checkbox"/> N
	There shall be a 8 3/8" thick reinforcing ribs 100% welded to the moldboard	<input type="checkbox"/> Y <input type="checkbox"/> N
	The safety trip shall consist of two compression coil springs incorporated in the drive frame, which will allow the moldboard to float over obstructions.	<input type="checkbox"/> Y <input type="checkbox"/> N
	The two compression trip springs will be 5/8 wire, 5 1/4" OD, 14" free length with a total of 8 active coils	<input type="checkbox"/> Y <input type="checkbox"/> N
	Mushroom style skid shoes shall be fitted on the drive frame	<input type="checkbox"/> Y <input type="checkbox"/> N
	These shoes shall carry the weight of the plow when the moldboard trips	<input type="checkbox"/> Y <input type="checkbox"/> N
	The bottom of the moldboard is to be reinforced with a 1/2" x 6" x 4" backer angle	<input type="checkbox"/> Y <input type="checkbox"/> N
	The second angle 3/8" x 3' x 2" shall be welded above for added strength and rigidity	<input type="checkbox"/> Y <input type="checkbox"/> N
	The drive frame shall be of A and sector Design	<input type="checkbox"/> Y <input type="checkbox"/> N
	The A frame will be constructed of 3 1/2" x 3 1/2" x 1/4" square tubing with tow 3/4" thick pivot plates	<input type="checkbox"/> Y <input type="checkbox"/> N
	Sector frame constructed of 4" x 4" 3/8" square tube	<input type="checkbox"/> Y <input type="checkbox"/> N
	The Sector angle shall provide a 30 deg radius and be constructed of 1/2" x 3 1/2" x 2 1/2" steel	<input type="checkbox"/> Y <input type="checkbox"/> N
	To prevent wear, the sector will glide between to low friction replaceable polymer bearings bolted on the A frame.	<input type="checkbox"/> Y <input type="checkbox"/> N
	There shall be two 3" x 14" double acting hydraulic cylinders to revers the plow to a maximum of 35 right or left	<input type="checkbox"/> Y <input type="checkbox"/> N
	The Moldboard shall be fitted with shoes and scuff shoes shall be supplied on each end.	<input type="checkbox"/> Y <input type="checkbox"/> N
	A 1/2" x 6" x 12' cutting edge shall be supplied and bolted to the molding board.	<input type="checkbox"/> Y <input type="checkbox"/> N
	Three 3/8 lift chains shall be provided to lift the plow to a carrying position	<input type="checkbox"/> Y <input type="checkbox"/> N
	These chains must be wide spread as possible in order to make the plow stable, and the plow must remain level when carried	<input type="checkbox"/> Y <input type="checkbox"/> N
	It will be possible to perform the power angle function with the plow in both the lowered working position and the raised carrying position	<input type="checkbox"/> Y <input type="checkbox"/> N
	Four hinge points are to be provided to connect moldboard to the push frame, spanning a minimum distance of 80"	<input type="checkbox"/> Y <input type="checkbox"/> N
	To prevent damage to the reversing cylinders, a cross-over relief valve shall be supplied	<input type="checkbox"/> Y <input type="checkbox"/> N
	Drive frame shall be complete with an adjustable parking stand.	<input type="checkbox"/> Y <input type="checkbox"/> N
	All Steel shall be epoxy primed prior to application of finish paint	<input type="checkbox"/> Y <input type="checkbox"/> N
	Quick tack oscillating beam shall be supplied	<input type="checkbox"/> Y <input type="checkbox"/> N

DUMP BODY SPECIFICATIONS

All items must be answered. Bidders shall state Yes for compliance and No for a deviation and give a reply, must also specify further information where requested. Deviations shall be clearly stated and fully detailed

1. FUNCTIONALITY

	The multiuse body system must be able to quickly connect/disconnect electrical cables, air and Hydraulic hoses to / from the body QD Plate	<input type="checkbox"/> Y <input type="checkbox"/> N
	The electrical cables, air & hydraulic hoses must be functionally compatible with the Body QD interface specification	<input type="checkbox"/> Y <input type="checkbox"/> N
	All required lighting pumps, hydraulic or air devices for the intended function of a multi-use body system that are not on the standard multi-Use body chassis must be self-contained on the bod and connected through the QD Plate on the tipping frame o the multi-use body chassis.	<input type="checkbox"/> Y <input type="checkbox"/> N
	The multi-use body system must be able to support being loaded and unloaded from a multi-use body chassis with full capacity load in the body	<input type="checkbox"/> Y <input type="checkbox"/> N

2. LOCKS FROM TIPPING FRAME TO BODY

	The multi-use body system must be able to be horizontally locked on the tipping frame to prevent the movement in the horizontal position in the raised through to the lowered position	<input type="checkbox"/> Y <input type="checkbox"/> N
	The multi-use body system must lock in position vertically as it is positioned onto the tipping frame in at least 6 contact points, four at the front and two at the rear	<input type="checkbox"/> Y <input type="checkbox"/> N

3. DIMENSIONS

	Overall dump body length will be a minimum 190" measured from the front of the dump body frame to the outside rear of the bed	<input type="checkbox"/> Y <input type="checkbox"/> N
	Outside dump body width will be 96" maximum in order to leave 3" on either side for tarp arms and tailgate when pinned open	<input type="checkbox"/> Y <input type="checkbox"/> N
	Overall in side width will be a minimum 90" measured above the chamfered bottom floor corners	<input type="checkbox"/> Y <input type="checkbox"/> N
	Sides must be 36" with capability of 10" side boards	<input type="checkbox"/> Y <input type="checkbox"/> N
	Sloped rub rail inside and out. Inside must be 45degrees with a width of 7" the full length of the dump body	<input type="checkbox"/> Y <input type="checkbox"/> N
	Front wall vertical height from floor must be 60 inches	<input type="checkbox"/> Y <input type="checkbox"/> N
	Clear and useable flat floor will be a minimum of 164" from back of headboard hook pocket	<input type="checkbox"/> Y <input type="checkbox"/> N
	Hock pocket height will be a maximum of 26" on front	<input type="checkbox"/> Y <input type="checkbox"/> N
	Tare weight of complete dump body assembly will be 4800lbs maximum	<input type="checkbox"/> Y <input type="checkbox"/> N
	Water level capacity of 12.7 cubic yards	<input type="checkbox"/> Y <input type="checkbox"/> N
	10" sideboard level capacity of 16.4 cubic yards	<input type="checkbox"/> Y <input type="checkbox"/> N
	Tailgate height 10" overside height for a total of 46"	<input type="checkbox"/> Y <input type="checkbox"/> N

4. DUMP BODY DETAILS

	Air tailgate actuated by two independent 24/24 brake chambers	<input type="checkbox"/> Y <input type="checkbox"/> N
	Tailgate must support dual functionality of being able to swing up for dump and swing around to curb side and latch against the outside of body to allow the tailgate to remain in the open position	<input type="checkbox"/> Y <input type="checkbox"/> N

	Air tarp mount of the body not the chassis	<input type="checkbox"/> Y <input type="checkbox"/> N
	Wind protection an cab shield must allow for the tarp roll to clear the front face o f the body when rolled up to provide for full vertical clearance in the dump body	<input type="checkbox"/> Y <input type="checkbox"/> N
5. CONSTRUCTION		
	Uni-body construction, continuous 100% welding inside and out	<input type="checkbox"/> Y <input type="checkbox"/> N
	Dump body floor construction will be a minimum of 3/16" Hardox	<input type="checkbox"/> Y <input type="checkbox"/> N
	Longsills made of ¼" Corten 100 riding on the Tipping frame	<input type="checkbox"/> Y <input type="checkbox"/> N
	Sides made of 3/16" Corten	<input type="checkbox"/> Y <input type="checkbox"/> N
	Front wall and Hook Pocket made of 3/16" Corten	<input type="checkbox"/> Y <input type="checkbox"/> N
	Tailgate made of 3/16" Corten	<input type="checkbox"/> Y <input type="checkbox"/> N
6. FINISH AND PAINT		
	Primer, chromate Epoxy CR2580 Dupont	<input type="checkbox"/> Y <input type="checkbox"/> N
	Zinc coating, organic Zinc PPG 594601	<input type="checkbox"/> Y <input type="checkbox"/> N
	Finish paint, DuPont in "British Racing Green" or equivalent	<input type="checkbox"/> Y <input type="checkbox"/> N
	Rear lighting options available	<input type="checkbox"/> Y <input type="checkbox"/> N
	Hardox 450 in place of Corten on the floor, sides, tailgate, front headboard and hook pocket	<input type="checkbox"/> Y <input type="checkbox"/> N
	42" sides with 54" tailgate	<input type="checkbox"/> Y <input type="checkbox"/> N
	Rear coal door	<input type="checkbox"/> Y <input type="checkbox"/> N

It is the responsibility of the bidder to ensure that all documents are contained in the submission and that the owner can access to them in the event of digital copies supplied on a portable drive, as the application may be rejected.

FOR MUNICIPAL OFFICE USE ONLY	
Completeness of Tender Documents	/5
Technical Scoring: Quality of Equipment, Warranty	/5
Past Performance, Reputation, Length of Time in Business	/5
Location of Service for Warranty, Repairs	/5
Total Possible Technical Rating	/20
Tendered Prices Considered Independently	/20
TOTAL TENDER RATING	/40

11.0 TENDER SUMMARY FORM

This form shall be included with the Tender Submission

Legal Business Name:	Respondent Name:
Cell:	Title:
Telephone:	Cell:
Fax:	Telephone:
Email:	Email:
Street	Street
PO Box:	PO Box:
City/Prov/Postal:	City/Prov/Postal:

11.1 Snowplow Truck (as a Complete Unit) Summary

Schedule A: One (1) New Tandem Snowplow Truck, Sander Box, Wing, Plow, Harness & Pump

Truck Cab Chassis: Make	
Truck Cab Chassis: Model	
Truck Cab Chassis: Year	
Specify New or Demo:	<input type="checkbox"/> New <input type="checkbox"/> Demo
	Price (To include all attachments specified herein)
	Municipal Discount
	HST
	TOTAL TENDER

11.2 Delivery of Equipment

Specify the delivery date for the delivery of the Snowplow Truck Ensemble to Public Works Yard at 15555 A Hwy 6, Manitowaning, ON P0P 1N0.

DATE:

11.3 Authorized Signature for Tenderer

Authorized Agent Name Printed	
Position in Firm/Organization	
Signature	
Signed on this Day	
Signed at this location	
Contact Number (if Different from Above)	

11.4 TENDERER DECLARATION

Please check all in agreement that you understand and have read the contents:

- I/we the Tenderer have carefully examined the conditions and specifications of this tender and referred to in this contract and has carefully examined, understand, and accept the conditions set out therein.
- I/we affirm that any addenda issued have been received.
- I/we, the Tenderer offer to furnish all labour, equipment, and material for the performance of the work for the unit prices set forth in the Tender, all in accordance with the Tender Documents.
- This offer shall be irrevocable for a period of forty-five (45) days following the closing of the Tender.
- It is also agreed that, upon acceptance in writing by the municipality, this form becomes the "Agreement for the Performance of Work" between the Tenderer and the Municipality.
- I / We agree that this offer shall remain open for acceptance until the formal Contract is executed by the successful Contractor for the said opening, whichever event first occurs; and that the Township may, at any time within that period and without notice, accept this Tender whether any other Tender has previously been accepted or not.
- I / We agree that the awarding of the Contract, based on this Tender, by the council of the Township of Assinack shall constitute acceptance.
- I / We hereby agree that notification of acceptance of this Tender shall be in writing and may be sent by prepaid post. If sent by prepaid post, acceptance shall be deemed to have been made on the date of the mailing of the notification.
- I have the authority to bind this company and hereby acknowledge the Tender Document as written.
- Three References are as follows:

Name	Contact at business

Authorized Agent Name Printed	
Position in Firm/Organization	
Signature	
Signed on this Day, the day of , 2023 at	