



THE CORPORATION OF THE
TOWNSHIP OF BRUDENELL, LYNDOCH AND RAGLAN

ONE ONLY DIESEL POWERED 6 TON TANDEM AXLE TRUCK WITH ROLLERPRO
SYSTEM, HOPPER SANDER/SPREADER,
SNOWPLOW AND WING

REQUEST FOR PROPOSAL (RFP)
RFP PW 2024-4

The Municipality of the Township of Brudenell, Lyndoch and Raglan is committed to integrating accessibility considerations into our procurement processes. We ask potential suppliers to tell us about the accessible options they offer. We include accessibility considerations in our evaluation.

The Request for Proposal (RFP) process within the Township of Brudenell, Lyndoch and Raglan is established to promote the exchange of new ideas between potential service providers and the Township. RFP's allow for more flexibility in delivering services and products to the Township of Brudenell, Lyndoch and Raglan than would the tendering process. RFP's utilize descriptive objectives and technical specifications as a guideline to suppliers rather than a direct agreement of detail. This affords the Township of Brudenell, Lyndoch and Raglan's access to technologically advanced products, innovative thinking, and new approaches to solving problems, utilizing the combined knowledge and experience of the Suppliers and Contractors. Suppliers and Contractors benefit through an open forum to exchange ideas, promote new products and demonstrate their capabilities without commonly present restraints.

PART A INFORMATION AND INSTRUCTIONS TO POTENTIAL SUPPLIERS AND SUPPLIERS

1. REQUEST FOR PROPOSAL

The Township of Brudenell, Lyndoch and Raglan is looking to purchase a Diesel Powered 6 Ton Tandem Axle Truck with RollerPro system, Hopper Sander/Spreader, Snowplow and Wing.

This RFP package consists of the following components:

- I. Part A - Information and Instructions to Potential Suppliers and Suppliers
- II. Part B – Specifications
- III. Part C – Request for Proposal Form
- IV. Part D – Township Contacts and Administration
- V. Part E – Request for Proposal Closing
- VI. Part F – Signature Page

Potential suppliers may participate in the procurement process by submitting an RFP in accordance with the instructions herein.

2. ELIGIBILITY AND REQUEST FOR PROPOSAL INFORMATION

Omissions, Discrepancies and Interpretations

Should a potential supplier find omissions from or discrepancies in any of the RFP documents or be in doubt as to the meaning of any part of such documents, the potential supplier is required to contact the Township of Brudenell, Lyndoch and Raglan, no later than five (5) days before the closing date. If the Township of Brudenell, Lyndoch and Raglan considers that a correction, explanation or interpretation is necessary or desirable, it will issue an addendum to all that have taken out RFP documents.

Delivery of the Vehicle

The successful supplier, if any, will be required to deliver the vehicle to the Township of Brudenell, Lyndoch and Raglan Municipal Office no later than Monday March 3rd 2025.

42 Burnt Bridge Road,
Palmer Rapids, ON K0J 2E0

Permits

The successful supplier shall apply for, obtain and pay for all necessary permits required to deliver the vehicle to the Township of Brudenell, Lyndoch and Raglan Municipal Office. Potential suppliers shall include the costs of any such permits in their RFP prices.

Notices, Laws and Rules

The successful supplier shall give all necessary notices and pay all fees required by law and comply with all laws, ordinances, rules and regulations relating to the supply of the vehicle. The successful supplier shall be responsible for the safety of the vehicle and the successful supplier's personnel in accordance with all applicable safety legislation passed by Federal, Provincial and Local authorities governing safety. Potential suppliers shall include all such fees and costs in their RFP prices.

Vehicle must be New

The vehicle to be supplied is required to be new, 2025 or newer, and delivered complete and fully operational.

3. REQUEST FOR PROPOSAL PROCEDURES

The Township of Brudenell, Lyndoch and Raglan's RFP Form is Required

Prices are required to be submitted on the RFP Form included in Part C of this RFP package, together with any further forms or attachments that the potential supplier is instructed elsewhere herein, or in any addendum hereto, to include with his/her RFP.

Delivery of Request for Proposal

RFP's must be submitted in sealed envelopes and shall be clearly marked with the Supplier's Company name and address, the RFP Title and the RFP Number, to the Township of Brudenell, Lyndoch and Raglan on or before **12:00 PM, Local Time on Wednesday August 7th 2024**, (Part E – "b"). The use of the mails and couriers for delivery of this RFP will be at the risk of the potential supplier.

Standard Terms and Conditions

Participants in this procurement process are advised that in order for the Township of Brudenell, Lyndoch and Raglan to properly evaluate the Request for Proposals, all vehicle requirements/specifications included in Part B of this package, must be filled with as much detail as possible. The successful supplier, if any, will be required to supply the vehicle on the terms and conditions therein.

Request for Proposal Prices

RFP prices are to be quoted in Canadian Funds and to include any cartage or unloading charges, preparation, excise taxes based on F.O.B. Palmer Rapids with duty, if any, to be included in the price.

It is understood that in submitting a bid, each bidder agrees that his bid may be subject to acceptance up to 60 calendar days after the closing date for the RFP.

RFP prices are to be exclusive of HST. Applicable HST is to be shown separately, as applicable, on the RFP Form.

The RFP price shall be firm on delivery and any price escalation clause shall render the RFP unacceptable.

4. COMPLETION OF REQUEST FOR PROPOSAL FORM

Legibility and Unauthorized Revisions or Additions to Forms

All entries in the RFP Forms shall be made in ink or typewritten. Entries or changes made in pencil shall, unless otherwise be decided by the Township of Brudenell, Lyndoch and Raglan, be invalid. RFP's which are incomplete, illegible or obscure, or that contain additions not called for, erasures, alterations or irregularities of any kind, may be rejected.

Vehicle Supplier Proposes to Supply

In Part C, potential suppliers are required to fully describe the vehicle they propose to supply. The Township of Brudenell, Lyndoch and Raglan's specifications (Part B) are the minimum requirements.

Warranties

Potential suppliers are required to attach to their RFP, copies of any and all standard warranties as well as appropriate manufacturers literature.

It is the Township of Brudenell, Lyndoch and Raglan's preference that all maintenance and repair work be available at any authorized dealer of the manufacturer of the vehicle. Potential suppliers are required to specify in Part C, Part 2 (Request for Proposal Form) where warranty work will be available.

All regular maintenance will be performed in accordance with the specifications provided for the proposed vehicle (e.g., changing of all fluids, filters and grease).

Copy of Dealer's Vehicle Purchase Agreement

The potential supplier must supply a sample copy of the Dealer's Vehicle Purchase Agreement to ensure all terms and conditions of the agreement meet with the Township of Brudenell, Lyndoch and Raglans' approval.

Assignment of Agreement

The Agreement contemplated by this RFP is between the Township of Brudenell, Lyndoch and Raglan and the successful supplier. Where the potential supplier proposes to assign the agreement to a financing company, manufacturer or anyone else, the potential supplier shall include with their RFP, details of the proposed assignment. Any such assignee shall be bound by the terms and conditions of this RFP.

5. OPENING AND EVALUATIONS

Disqualifications

Under no circumstances will RFP's be considered which:

- I. are received **after 12:00 PM, Local Time on Wednesday August 7th 2024;**
- II. include RFP qualifications or other conditions not authorized by the Township of Brudenell, Lyndoch and Raglan or;
- III. are in the determination of the Township of Brudenell, Lyndoch and Raglan, incomplete;
- IV. the product on which the price is submitted does not meet all the requirements of the specification; and
- V. the bidder does not confirm compliance with all items of the specification by marking the "YES" in the confirmation column for all the required items and providing the required information where "SPECIFY" is noted.

Right to Accept or Reject

The Request for Proposal which includes the lowest submitted cost will not necessarily be accepted. The Township of Brudenell, Lyndoch and Raglan has the right to reject any and all RFP's for any reason whatsoever. The Township of Brudenell, Lyndoch and Raglan shall not be responsible for and potential suppliers shall not be entitled to, reimbursement for any liability costs, expenses, loss, economic loss, damages or consequential damages incurred, sustained or suffered, including loss of profit, by any potential supplier/supplier prior or subsequent to, or by reason of the acceptance or the non-acceptance by the

Township of Brudenell, Lyndoch and Raglan of any RFP or by reason of any delay in the acceptance of a RFP. Request for Proposals are subject to formal acceptance by the Township of Brudenell, Lyndoch and Raglan and a formal contract being prepared and signed.

POTENTIAL SUPPLIERS ARE ADVISED THAT ACCEPTANCE OF ANY RFP WILL BE DONE BY RESOLUTION OF THE TOWNSHIP OF BRUDENELL, LYNDOKH AND RAGLAN COUNCIL.

Evaluation Process

- I. The Township of Brudenell, Lyndoch and Raglan will, as part of the evaluation of RFP's, compare the vehicle proposed against the specifications. In the event that the Township of Brudenell, Lyndoch and Raglan, in its sole discretion, requires additional information to evaluate a RFP, the potential supplier shall provide the Township of Brudenell, Lyndoch and Raglan with such additional information. If a potential supplier fails to provide the requested information within the timeline specified by the Township, the Township of Brudenell, Lyndoch and Raglan may reject the RFP.
- II. The cost component of the RFP will be evaluated on the basis of the offered price (Part "C", Part 1) plus warranty charges (Part "C", Part 1), if applicable.
- III. RFP's that contain prices which appear to be so unbalanced as likely to affect adversely the interests of the Township of Brudenell, Lyndoch and Raglan, may be rejected.
- IV. The Township of Brudenell, Lyndoch and Raglan reserves the right to waive formalities at its discretion.

6. ACCEPTANCE

Award of RFP

The lowest or any RFP will not necessarily be accepted. The Township of Brudenell, Lyndoch and Raglan may, in its sole discretion:

- I. award a contract to the potential supplier that the Township of Brudenell, Lyndoch and Raglan, in its sole discretion, determines is the best qualified and compliant RFP; or
- II. determines that the potential supplier meets the best possible vehicle efficiencies; or
- III. not award any contract at all.

The determination of the best qualified and compliant RFP shall be in the sole discretion of the Township of Brudenell, Lyndoch and Raglan, which decision shall be final and not challengeable.

Post-RFP Documentation

Notice of Acceptance

Notice of acceptance shall be made by fax or email to the successful supplier at the fax number or email address given by the potential supplier and will be deemed to be received on the date it is faxed or emailed.

PART B SPECIFICATIONS

VEHICLE REQUIREMENTS

The following are the approved makes and models that comply with this specification or include other options.

<u>Make:</u>	<u>Model:</u>
International	HV Series
Western Star	47X
Freight Liner	114SD

Approved Engine: Cummins or Detroit Minimum 500 HP

Vehicle Supplied must include the following features and meet or exceed the following standards;

	THE TOWNSHIP OF BRUDENELL, LYNDOKH AND RAGLANS' MINIMUM REQUIREMENTS	SUPPLIER PROPOSAL
1	<p>MAKE AND MODEL:</p> <ul style="list-style-type: none"> - Specify make and model of unit. - A 2025 model year. 	<p>Specify:</p> <p>Make: _____</p> <p>Model: _____</p> <p>Year: _____</p> <p>Yes: _____ No: _____</p>

2	<p>CMVSA</p> <ul style="list-style-type: none"> - Vehicles shall meet or surpass the mandatory requirements of the Canada Motor Vehicle Safety Act and the vehicles must bear the national Safety Mark. 	<p>Yes: _____ No: _____</p>
3	<p>GROSS WEIGHT RATINGS:</p> <ul style="list-style-type: none"> - G.V.W.R. 29,937 kg. (66,000 lbs) minimum. - G.A.W.R. – Front – 10,000 kg. (22,000 lbs) minimum. - G.A.W.R. – Rear – 20,000 kg. (46,000 LBS) minimum. - The allowable G.V.W.R. as supplied shall be shown on a metal or mylar tag. 	<p>SPECIFY: _____</p> <p>SPECIFY: _____</p> <p>SPECIFY: _____</p> <p>YES: _____ NO: _____</p>
4	<p>AXLES:</p> <ul style="list-style-type: none"> - Front axle shall be 9,072 kg. (20,000 lbs) capacity minimum. Front axle bearings shall be in 100% synthetic oil. - Front bumper to centre line of front axle distance shall be 38”. - Rear tandem axle shall be 20,000 kg. (46,000lbs) capacity minimum, dual drive with interaxle differential and four-way lockup on rear differential in cab, driver controlled interaxle differential lockouts. - Rear tandem axle shall be single speed with 1,538 mm (60”) spread. - Following the approved axle: Rockwell RT-46-164EH 	<p>SPECIFY: _____</p> <p>SPECIFY: _____</p> <p>SPECIFY MODE: _____</p> <p>CAPACITY: _____</p> <p>YES: _____ NO: _____</p> <p>SPECIFY MAKE: _____</p> <p>MODEL: _____</p>

	<ul style="list-style-type: none"> - Power steering shall be supplied with dual steering boxes. - An all-wheel lock-up system operated from the cab shall be supplied. 	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
5	<p>BRAKES:</p> <ul style="list-style-type: none"> - A full tractor package shall be supplied with air and electrical plumb, including glad hands, covers and 7 wire female electrical plug, with Heavy Duty pintle plate and pintle hitch capable for pulling a trailer. - Service Brakes – full air brakes “S” Cam drum type shall be supplied. - Front brakes size 406 mm x 152 mm (15.5” x 6”) drum type, minimum shall be supplied. - Rear brakes size 419 mm x 177 mm (16 ½” x 7”) minimum shall be supplied. - Dust shields front and rear shall be supplied. - Positive rear wheel spring loaded parking brake on all four wheels, air reservoir and instrument panel control switch, shall be supplied. - Means shall be provided to release the parking brakes from the cab with no pressure in the main air reservoir, but with air pressure remaining in either secondary reservoir. - Low air pressure indicator shall be supplied. - Automatic drain valve shall be supplied with heater to drain moisture from the main air tank mounted in a safe manner (BW – DV – 2 valve or approved equivalent). 	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>SPECIFY MAKE _____</p>

	<p>SPECIFICATION:</p> <ul style="list-style-type: none"> - Air dryer – Bendix AD – 9 with heater or equivalent shall be supplied. - Berg pull – cord drain valves shall be supplied. - 4 - wheel rear maxi chambers shall be provided. - Asbestos – free brake lining shall be supplied. - Automatic slack adjusters shall be supplied. - Brake adjuster indicators shall be supplied. - Air compressor – 7.50 1/s (15.9 cfm) minimum (Cummins or BW – 750) shall be supplied. 	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>SPECIFY: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>SPECIFY CFM: _____</p>
6	<p>FRAME:</p> <ul style="list-style-type: none"> - Section modulus shall be 19.8 in minimum - Frame yield strength shall be 120,000 psi minimum - RBM shall be 3,980,800 lbs. in. minimum. - Specify frame dimensions. (depth, width, thickness). - The After Frame (AF) dimension shall be a minimum of 1,905 mm (75 inches). - Specify dimensions of reinforcement if equipped. - Mounting of snowplow cheek plates shall be possible. - Must be a double frame. 	<p>SPECIFY: _____</p> <p>SPECIFY: _____</p> <p>SPECIFY: _____</p> <p>SPECIFY: _____</p> <p>SPECIFY: _____</p> <p>SPECIFY: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<ul style="list-style-type: none"> - Provision shall be supplied to prevent diamond shaping of the frame. The frame shall be bridged or a cross member shall be supplied within 10" of the rear of the cab, in order to transfer snowplow wing push to each frame rail. 	<p>YES: _____ NO: _____</p>
7	<p>SUSPENSION:</p> <ul style="list-style-type: none"> - CT (Cab to centre of Tandems) shall be approximately 3,200 mm (126 inch) or as required - C.A. shall be 3385 mm (132") approximately clear. Dealer must contact equipment installer to determine proper C.A. - Wheelbase shall be 204" approximately. - Front shock absorbers shall be supplied. - Rear suspension shall be Hendrickson HMX-460-60 or approved equivalent. 	<p>SPECIFY: _____</p> <p>SPECIFY: _____</p> <p>SPECIFY: _____</p> <p>YES: _____ NO: _____</p> <p>SPECIFY: _____</p>
8	<p>WHEELS AND TIRES:</p> <ul style="list-style-type: none"> - Dual rear wheels shall be supplied. - Two (2) front, first line steel belted radial tubeless type tires. - 425/65R22.5 20 Ply – Load range "L" shall be supplied. - Eight (8) rear, first line steel belted radial tubeless type tires 11.00 R22.5 -Load Range "H" 914 ply) shall be supplied. 	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>SPECIFY SIZE: _____</p> <p>LOAD RANGE: _____</p> <p>YES: _____ NO: _____</p> <p>SPECIFY SIZE: _____</p> <p>LOAD RANGE: _____</p>

	<ul style="list-style-type: none"> - Tread Design – Front – Standard Highway tread Acceptable tires – Front - Michelin XZY-3 or equivalent. Rear - Michelin XDE-M/S or equivalent approved by municipality. - Two (2) aluminum wheel rims 571 mm x 311 mm (22.5 x 12.25). - Eight (8) aluminum wheel rims 571 mm x 209 mm (22.5 x 8.25). - Rims must have a load capacity and pressure rating equal to or exceeding the ratings of the tires. - Drop centre rims shall be supplied. - Alcoa aluminum rims 	<p>YES: _____ NO: _____</p> <p>SPECIFY MAKE: _____</p> <p>SPECIFY MAKE: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>SPECIFY PRESSURE RATING FRONT: _____</p> <p>REAR: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
9	<p>ENGINE</p> <ul style="list-style-type: none"> - Cummings or Detroit – Diesel, water cooled, in- line, four stroke cycle, six-cylinder, wet sleeved engine governed at 2100 R.P.M. -N-13 - Engine shall include Jake Brake. 	<p>YES: _____ NO: _____</p> <p>SPECIFY MAKE: _____</p> <p>MODEL: _____</p> <p>YES: _____ NO: _____</p> <p>SPECIFY K W (H.P.): _____</p>

	<ul style="list-style-type: none"> - Engine gross power – 500 H.P. minimum within governed R.P.M. range (SAR J 1349) on the pedal and on cruise control. - Must be equipped with a block heater. - The engine shall come with standard base warranty. - Splash guards shall be supplied to protect engine compartment from road spray. <p>*Note: Required engine ratings must be set at the time of engine manufacture. Engines with locally altered ratings are not acceptable.</p>	R.P.M.: _____ YES: _____ NO: _____ YES: _____ NO: _____ SPECIFY: _____ YES: _____ NO: _____
10	TRANSMISSION: <ul style="list-style-type: none"> - Shall be ten (18) speeds forward, single stick type and two (2) reverse. - Approved Transmission: Eaton Fuller RT L016918B - The bell housing shall be cast iron. - The transmission shall be supplied with 100% synthetic lubrication oil, approved for extended warranty. 	YES: _____ NO: _____ SPECIFY MAKE: _____ MODEL: _____ YES: _____ NO: _____ YES: _____ NO: _____
11	CLUTCH: <ul style="list-style-type: none"> - Heavy Duty – 15.5” diameter, dual plate organic or ceramic button type shall be supplied. 	SPECIFY: _____

12	<p>ENGINE EQUIPMENT:</p> <ul style="list-style-type: none"> - Key on/Key off engine control shall be supplied. - Alternator – shall be 150 amp. capacity, minimum with built in diode rectifiers and shielded slip rings and brushes or be brushless. (BOS# LH-160 160 A Idle Capacity) - The alternator capacity at idle shall be at least 25 amperes. - The SAE rating shall be combined 12 volt, 1950 C.C.A. minimum. 3 Batteries Minimum - Battery boxes shall be mounted in front of spinners behind cab (Driver’s Side), they shall be easily accessible for service. Splicing of battery cables is not acceptable - Battery – maintenance free batteries shall be provided – 1950 C.C.A. minimum. - Governor – engine governor built-in type. - High temperature and low oil pressure engine protection alarm bell or buzz device shall be installed or electronic engine warning system. - A heavy duty two stage dry type air cleaner. - Oil filter – full flow type with bypass filter shall be supplied. - A heavy-duty fuel water separator with heater and sight glass shall be supplied, (Conmet CM – 99 – 327D or approved equal) mounted outside 	<p>YES: _____ NO: _____</p> <p>SPECIFY MAKE: _____</p> <p>MODEL: _____</p> <p>NORMAL CAPACITY: _____</p> <p>IDLE CAPACITY: _____</p> <p>SPECIFY C.C.A.: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>SPECIFY TYPE: _____</p> <p>YES: _____ NO: _____</p>
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	<p>left frame rail behind cab or under front hood. Heater shall be capable of being shut off.</p> <ul style="list-style-type: none"> - An automatic temperature controlled on/off fan clutch with a fan over-ride switch shall be supplied. - Engine hood shall be forward tilting with adequate access panels for easy engine access. - Exhaust – the muffler shall be vertical if possible. If the muffler is horizontal, it shall have 500m/15” ground clearance and the exhaust pipe shall be vertical. The whole installation shall not interfere with the mounting of a snow-plow wing tower. - Corrosion resistor (spin on water filter) for engine coolant shall be supplied. 	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
13	<p>CAB</p> <ul style="list-style-type: none"> - Rear air suspended conventional cab shall be supplied. - Seats – separated air suspension driver and passenger seats shall be supplied. - Both seats shall be fully padded, heavy-duty cloth upholstery construction, foam rubber seat cushions, high back, adjustable fore and aft. - Seats shall be charcoal grey or dark grey in colour - Outside visor shall be supplied. (Outside cab above windshield) - Dual sun visor shall be supplied - Windshield wipers – dual, tow -speed electric, intermittent feature and electric washer pump shall be supplied. 	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

- Air conditioning shall be supplied.	YES: _____ NO: _____
- Tachometer shall be supplied.	YES: _____ NO: _____
- An hour meter either an electronic type or with ant vibration mount – Hobbs M-3888 Damerer equal mounted inside cab shall be supplied.	YES: _____ NO: _____
- Seat belts – two (2) three (3) point with retractors shall be supplied.	YES: _____ NO: _____
- Rubber floor mat shall be supplied.	YES: _____ NO: _____
- Mirrors – two (2) outside 7” x 16” WEST COAST type mirrors complete with power adjustment four (4) ways and built-in heaters and clearance lights shall be supplied.	YES: _____ NO: _____
- A heated windshield shall be supplied.	YES: _____ NO: _____
- Two (2) convex mirrors hood fender mounted.	YES: _____ NO: _____
- Externally mounted grab bars on each side to assist entry and exit from the cab shall be supplied.	YES: _____ NO: _____
- Rain gutters or drip mouldings shall be supplied.	YES: _____ NO: _____
- Dual air horn with snow shield shall be supplied.	YES: _____ NO: _____
- Armrests shall be supplied.	YES: _____ NO: _____
- Electronic engine shall come with electric throttle and cruise control.	YES: _____ NO: _____
- Tilt steering column mandatory.	YES: _____ NO: _____
- Supplementary cab insulation to suppress engine noise shall be supplied.	YES: _____ NO: _____
- AM/FM radio (electronic) with clock shall be supplied.	YES: _____ NO: _____
- Power operated side windows with a switch accessible by the driver and passenger.	YES: _____ NO: _____

	<ul style="list-style-type: none"> - Lower and intermediate footsteps, both sides shall be supplied. - A terminal panel shall be incorporated into the wiring system to access the following wiring circuits to add additional lighting for the body installation. - In cab mounted outside temperature gauge in Celsius. - Left, Right Turn Parking Lights Back-up Lights Independent Brake Light Plow & Wing lights & all modules/multiplex computers - The terminal panel shall be located inside the cab, under the dash. 	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>SPECIFY LOCATION: _____ _____ _____ _____</p> <p>YES: _____ NO: _____</p>
14	<p>FUEL TANK</p> <ul style="list-style-type: none"> - An aluminum 300 litre minimum step tank mounted on the left side shall be provided. <u>Dual tanks are not acceptable.</u> - Fuel tank shall not extend beyond the cab more than 15 cm (6") or interfere with the installation of box equipment. - Fuel gauge shall be supplied. - Minimum Clearance from ground shall be 305 mm (12"). 	<p>YES: _____ NO: _____</p> <p>SPECIFY: _____</p> <p>CAPACITY: _____</p> <p>TYPE: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<ul style="list-style-type: none"> - Anti – freeze to 40°C shall be supplied. - For snowplowing purposes, hydraulic driveshaft must be below the rad. - Front mounted pump without opening through the radiator. 	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
15	<p>LIGHTING:</p> <ul style="list-style-type: none"> - 1 pair LED sealed beam, shock mounted headlamps, rectangular, with hi/low beam and turn signals, on the plow frame. - 1 led plow spotlight on the front wing post. - 1 led wing floodlight on the plow frame. - 2 led spinner floodlight. - 1 set of body clearance/identification lights. - 1 of each 6" diameter blue and amber rear flashing light. - 1 LED light SWS # 22609 combination blue and amber light to be installed on pedestal back of cab, separate in cab switch. - Two (2) fenders mounted, 100 mm (4") diameter amber directional lights, facing front shall be supplied. - Rear red directional lights shall be supplied. - Stoplight shall be supplied. - Five (5) cab identification lights shall be supplied. - Four-way flasher shall be supplied. - Back-up lights shall be supplied. 	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	- LED headlights shall be supplied.	YES: _____ NO: _____
16	PAINT: - Red: SPECIFY: _____	YES: _____ NO: _____
17	ATTACHMENTS: - Operator's manual and line ticket shall be supplied. - Service manual shall be supplied. - Maintenance and Electrical service manuals shall be supplied in hardcopy and electronic format. - Back-up sound alarm shall be supplied. - Flare kit as per M.T.O. Spec. 1919 – 5A shall be supplied. - A 5 lb. A-B-C Fire Extinguisher and Mounting bracket shall be supplied. - A first aid kit shall be supplied.	YES: _____ NO: _____ YES: _____ NO: _____ YES: _____ NO: _____ YES: _____ NO: _____ YES: _____ NO: _____ YES: _____ NO: _____ YES: _____ NO: _____
18	WARRANTY: - The truck shall be covered by the standard manufacturer's warranty. A description of which shall be included with these RFP documents. Plus, a five (5) year warranty on electrical. - Where minimums are called for, the vehicle must meet or exceed the capacity, size of performance specified. - This specification lists only the major details of a unit; therefore, it is the supplier's responsibility to deliver a fully equipped vehicle with compatible components to provide dependable efficient service.	YES: _____ NO: _____ YES: _____ NO: _____ YES: _____ NO: _____

	<ul style="list-style-type: none"> - RFP units must comply with the following specifications in all aspects. Alternative components which meet the requirements of this specification but are not identified in their specification must be approved by the Township Road staff prior to RFP closing. 	<p>YES: _____ NO: _____</p>
19	<p>NOTE:</p> <ul style="list-style-type: none"> - It will be the responsibility of the supplier to obtain any M.T.O Standards referred to in the foregoing specifications. - Undercoating shall be provided by Krown or equivalent, to the cab and chassis, sanding conveyors, tailgate and box. - Vehicle shall be supplied with a valid Preventative Maintenance/Compulsory Vehicle Inspection (PMCVI) sticker. - Does your company have an accessibility plan in place? - If the Unit requires repairs or alterations upon inspection on the delivery date, any cost incurred will not be the responsibility of the Township of Brudenell, Lyndoch and Raglan, including labor or delivery costs of the Unit to where repairs may have to be performed. - The cab and chassis must be compatible with the snowplow harness to do the job without any hazardous situations. 	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
20	<p>DELIVERY:</p> <ul style="list-style-type: none"> - Delivery of the complete unit shall be on or before Monday March 3rd 2025. 	<p>YES: _____ NO: _____</p>

VIKING ROLLERPRO MULT-FUNCTIONAL TRANSFER SYSTEM

<p>21</p>	<p>Viking RollerPro model RP150-III roll-off system or approved equivalent</p> <p>Specify Make - _____</p> <p>Specify Model - _____</p>	<p>YES: _____ NO: _____</p>
<p>22</p>	<p>The system will be a hydraulic roll off unit with multiple optional body designs capable of transferring a minimum 40,000lbs (18,182 kg) loads off and on the main frame with an actual cable pull force of 27,000lbs (12,273 kg). These are minimum requirements for the roll-off system.</p> <p>Specify transfer load capacity - _____</p> <p>Specify cable pull force capacity - _____</p> <p>The various body designs can be installed or removed from the roll-off system, with a full load of material or liquid. Roll-off units whereby the body must be empty and unloaded of material or liquid first, before attachment or removal, will not be acceptable.</p> <p>All electrical and hydraulic connections must be made at the front driver's side corner of tipping frame.</p> <p>Frame / body must be able to be raised without disconnection of electrical and hydraulic components.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<p>1 ½" diameter hydraulic locking pins on each side to prevent horizontal movement of the body on the tipping frame.</p>	<p>YES: _____ NO: _____</p>
	<p>For safety purposes, an additional manually operated locking pin located at the front driver's side shall be provided, with the actuation locking both sides.</p> <p>Attachment must be able to be unloaded by tipping at a maximum angle of 40 degrees.</p> <p>For safety purposes, all attachments when removed shall be completely stored flat on the ground. Roll-off systems whereby attachments must rest on legs will not be acceptable.</p> <p><u>Dimensions:</u></p> <p>The complete assembly will be designed to fit on a chassis with a CA of 154"</p> <p>The roll-off system shall be manufactured from a reinforced main frame of 4" x 8" rectangular tubing - 3/8" thick x 187.5" long minimum.</p> <p>Specify main frame construction: _____</p> <p>_____</p> <p>The hydraulically extendable tails (stingers) will be 3" x 7" rectangular tubing, - 3/8" thick x 96" long minimum.</p> <p>Specify extendible tails construction: _____</p> <p>_____</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<p>The frame will be equipped with four (4) outside rollers, each a minimum of 4" diameter.</p>	<p>YES: _____ NO: _____</p>
<p>23</p>	<p>Roller cable will be 7/8" diameter, 8x36 IWRC complete with safety hook.</p> <p>Cable sheaves will be 8 7/8" diameter minimum, and include bronze bushings on a 2" diameter shaft.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
	<p>The front stop blocks will be 2" thick 44W plate, 13 5/8" x 3 11/16". The stop blocks are to be welded 100% to main frame.</p> <p>Specify front stop blocks construction: _____</p> <p>_____</p> <p>The tilt hinge will be a model P250.</p> <p>Specify: _____</p> <p><u>Roll-Off Hydraulic Components:</u></p> <p>The double acting hydraulic tail cylinder, to extend or retract the rear stinger, must be 2" diameter x 50" stroke minimum. Hydraulic valve requirements to operate tail cylinder are 2000 psi with 10 gpm motor spool.</p> <p>Specify cylinder diameter - _____</p> <p>Specify cylinder stroke - _____</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
	<p>There will be one (1) 49 ton capacity cable cylinder, single stage double acting, with 8" diameter x 65" stroke. The rated operating pressure will be 2700psi. Winch cylinder must have a flange mounted counterbalance valve and the cylinder rod must be retracted with the body attached.</p>	<p>YES: _____ NO: _____</p>

	<p>Hydraulic valve requirements are 2700 psi 32 gpm motor spool.</p> <p>Specify cylinder capacity - _____</p> <p>Specify cylinder diameter - _____</p> <p>Specify cylinder stroke - _____</p>	<p>YES: _____ NO: _____</p>
	<p>Winch cylinder must have a flange mounted counterbalance valve.</p> <p>For protection, the winch cylinder rod must be fully retracted when the attachment is loaded on the roll-off system.</p> <p>The telescopic hoist cylinder to raise and lower the roll-off and applicable attachment must be trunnion mounted.</p> <p>The hoist must be 4 stage telescopic, with a minimum 150" stroke, and 6" diameter.</p> <p>Specify number of hoist stages - _____</p> <p>Specify cylinder stroke - _____</p> <p>Specify hoist diameter - _____</p> <p>All hydraulic body functions will be hard plumbed using 304 stainless tubing through the tipping frame and along the chassis.</p> <p>A 35 gallon, easily removable stainless steel hydraulic oil tank shall be installed on top of chassis frame rails back of cab. The oil tank shall be complete with a return filter and have cleanout capabilities.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<p>The hydraulic oil reservoir must be manufactured from 304 stainless steel for corrosion resistance – no exception.</p> <p>Chassis mount aluminum fenders shall be installed on both sides of rear axle.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
	<p><u>Safety Prop:</u></p>	<p>YES: _____ NO: _____</p>
	<p>Dual LH and RH safety arms, mounted on both sides of the hoist cylinder, are swung into place through the release of a single pin.</p>	<p>YES: _____ NO: _____</p>
<p>23</p>	<p><u>Lighting:</u></p> <p>A basic lighting kit, complying with FMVSS/CMVSS 108 lighting requirements, shall be supplied as standard equipment with the roll-off system</p> <p>There will be rear LH and RH light clusters mounted in a protective 304L stainless steel enclosure at back of aluminum fenders. Each light cluster shall consist of the following:</p> <ul style="list-style-type: none"> - 2 x LED rear stop, tail & directional lights - 1 x LED backup light - 1 x LED work flood light with a separate in-cab switch. <p>There will be LED clearance lights at mid body on both left and right sides, mounted on the chassis frame mounted aluminum fenders.</p> <p>The lights and wiring will be completely sealed with corrosion and vapour proof lamps and junction box.</p> <p><u>Warranty:</u></p> <p>Minimum one year parts and labour on all components from date of delivery of completed unit.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<p><u>Viking Model RPSH15.5 Hopper Sander</u></p>	
	<p>Viking RollerPro Multi-function Transfer System Sander - model RPSH 15.5 or approved equivalent.</p> <p>SPECIFY Make - _____</p> <p>SPECIFY Model - _____</p>	<p>YES: _____ NO: _____</p>
	<p>The unit will be a front discharge “U” hopper design compatible with the Viking RP150-III Multi-function Transfer System, and be capable of being transferred on and off with a full load of material using the standard RP150-III body transfer system.</p>	<p>YES: _____ NO: _____</p>
	<p><u>Functionality:</u></p> <p>The “U” Hopper Sander Body must be able to quickly connect / disconnect all electrical cables, air and hydraulic hoses to / from the Viking Body QD Plate, located back of cab at driver’s side.</p> <p>The sander electrical cables, air and hydraulic hoses must be functionally compatible with the Viking Body QD Interface Specification.</p> <p>There shall be two (2) electrical connections between the roll-off and sander, that utilize a magnetic attachment system. Sander electrical connectors will only magnetically attach to the compatible roll-off system connectors on QD interface plate, to ensure proper connection.</p> <p>All required lighting, pumps, hydraulic and air devices for the intended function of the Sander that are not on the standard roll-off system, must be self-contained on the Sander and connected through the QD Plate on the Tipping Frame.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<p>The Sander must be designed in order to support being attached / removed from the Body Transfer System with a full capacity material load in the body – no exception.</p> <p>For safety purposes, when the hopper sander is removed from the truck, the complete assembly shall fully rest on the ground, without the requirement for leg stands.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
25	<p><u>Locks from Tipping Frame to Body:</u></p> <p>The RP150-III Compatible Body Attachment must be able to be horizontally locked on the tipping frame to prevent movement in the raised through to the lowered position.</p> <p>The body attachment must lock into position vertically as it is positioned onto the tipping frame, through a minimum of 6 contact points, four located at the front and two at the rear.</p> <p>Specify number of contact points: _____</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
	<p><u>Hopper Sander Dimensions:</u></p> <p>Overall sander length will be 189” minimum as measured from front of hopper roller frame to outside of rear tailgate</p> <p>Specify overall sander length: _____</p> <p>Inside sander length will be 173” minimum</p> <p>Outside sander width will be 97” maximum, 102” when including the side mount ladder.</p> <p>Inside sander width will be 95” minimum</p> <p>Overall Height of Sand Hopper Body from top of tipping frame will be 76” maximum</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<p>Front panel and tailgate heights shall be 71" minimum from top of main roller rail.</p> <p>Sander side height shall be 52" minimum, as measured from top of main roller rail.</p> <p>Hopper sander capacity will be 12.5 yd³ minimum at water level</p> <p>Capacity with 10" sideboards will be 16.0 yd³ minimum</p> <p>Tare weight of complete sander assembly including the cross conveyor will be 5,800 lbs maximum</p> <p>The unit will have radius sides to maximize payload and permit continuous gravity flow unloading</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
	<p><u>Tailgate:</u></p> <p>Tailgate shall include a minimum of 3 vertical steel reinforcements.</p> <p>Air operated tailgate shall be provided, actuated by two independent 30/30 brake chambers. Tailgates activated by single brake chamber, or air cylinder, will not be acceptable.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
	<p><u>Lighting:</u></p> <p>Two (2) Grote LED blue strobe lights shall be installed on upper rear section on each side of tailgate</p> <p>Two (2) Grote LED amber strobe lights shall be installed on upper rear section on each side of tailgate</p> <p>Grote Ultra Blue Seal LED rear stop, tail and directional lights installed on upper rear section on each side of tailgate</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<p>SWS 22609 combination blue/amber strobe beacon shall be provided, pedestal mounted on top of oil reservoir back of cab. Separate in-cab switches shall be provided for blue and amber strobes</p> <p>4.5" heated LED spot-light shall be provided to shine on left side spinner. A separate in-cab switch shall be provided for the spinner light.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
	<p><u>Main Conveyor:</u></p> <p>The main conveyor must be centered and recessed along the full inside length of the sander body</p> <p>The main conveyor channel must be 25 inches wide minimum</p> <p>Main conveyor floor must be 3/16" thick, Hardox 450, hi-tensile steel with a minimum yield strength of 205,000 psi.</p> <p>Specify: _____</p> <p>Main conveyor floor must be replaceable.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
	<p>Conveyor chain cross flites shall be 3/8 in. thick by 1½ in. wide minimum.</p> <p>Cross flites shall be welded to every 2nd chain link.</p> <p>Conveyor chain tension to be regulated via an automatic chain tensioning system. This tensioning system will provide appropriate chain tension for the main conveyor chain at all times and under all normal operating conditions.</p> <p>The fully automated chain tensioner will eliminate the requirement for any manual chain tension adjusting mechanisms such as conventional threaded rod and nut tensioners, or hydraulic grease ram tensioners.</p> <p>Automated chain tensioner system must be provided – no exception.</p>	<p>YES:_____ NO:_____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES:_____ NO:_____</p>

26	<p>Bolt-on door panel shall be provided for easy access to automatic chain tensioning mechanism. Access panel to be located on body long-member.</p> <p>Underside of main conveyor to have poly guard to prevent material spillage on to chassis components and frame rails.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
	<p><u>Bi-Directional Rubber Belt Cross Conveyor:</u></p> <p>The cross conveyor shall be hydraulic direct drive via a single reversible 11.9 cu. in. hydraulic motor controlled by a 12V solenoid valve with in-cab toggle switch.</p> <p>A cross -conveyor assembly shall be used to discharge material from main conveyor to the either left hand or right hand of chassis sides.</p> <p>Cross conveyor weldment shall be fabricated from a minimum 3/16" Cor-Ten A corrosion resistant material.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
27	<p>Cross conveyor belt to be fabricated from 3/8" thick, 2 ply, 12" wide by 121" long molded, seamless conveyor belting.</p> <p>Belt shall be positive drive to eliminate slippage.</p> <p>The cross conveyor belt shall be capable of high temperature, hot asphalt applications.</p> <p>Cross conveyor assembly to include replaceable steel guards to prevent material from entering under belt or spilling off conveyor.</p> <p>Cross conveyor assembly to include 4 poly runners to maintain an even belt surface, preventing material from dropping below belt.</p> <p>Cross conveyor assembly shall have snub rollers constructed with high temperature, low stick, 2.5" diameter by 2.0" poly rollers, to reduce material build up under conveyor.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	Cross conveyor assembly shall come with an external, quick coupler washout connection, in order to remove material caught between rollers and rubber belt.	YES: _____ NO: _____
	Cross conveyor assembly shall include 5 external, greaseable flange bearings and 2 external, greaseable take up bearings	YES: _____ NO: _____
	Cross conveyor assembly shall include 8 external grease fittings for application of grease to all bearings.	YES: _____ NO: _____
	Cross conveyor assembly to provide provisions for mounting of left and right side flip-up style material sand/salt chutes and spinner units.	YES: _____ NO: _____
	<u>Spinner:</u>	
28	The sander shall be equipped with a left side combination spinner/chute assembly. The spring-loaded assembly shall be hinged, in order to easily fold-up into the raised position when removing the sander from the tipping frame.	YES: _____ NO: _____
	Raising the spinner/chute assembly shall be an easy process. By simply removing a manual locking pin, the spinner/chute assembly will automatically fold-up through spring loaded assistance.	YES: _____ NO: _____
	The urethane spinner disc shall be a minimum of 16" diameter, and include curved flites.	YES: _____ NO: _____
	The spinner assembly shall include an anti-coning device to prevent material build-up.	YES: _____ NO: _____
30	<u>Sander Construction:</u>	
	Uni-body construction, with continuous welding, inside and outside.	YES: _____ NO: _____
	Sander side construction shall be a minimum of 10 gauge, Cor-Ten corrosion resistant steel.	YES: _____ NO: _____

	<p>Long-members, riding on the tipping frame, shall be manufactured from 3/16" thick Domex100W steel – no exception.</p> <p>Specify long-members construction: _____</p> <p>_____</p>	<p>YES: _____ NO: _____</p>
31	<p>Cab shield and wind deflector must be integral with the front panel.</p>	<p>YES: _____ NO: _____</p>
32	<p>Top of tailgate must be sloped in order to minimize material spillage.</p>	<p>YES: _____ NO: _____</p>
	<p>A polyethylene sheet, minimum ½ in. thick, shall be installed under the main conveyor to prevent spreader material from collecting on chassis frame rails.</p>	<p>YES: _____ NO: _____</p>
	<p>Front panel shall be equipped with a stainless-steel shovel holder.</p>	<p>YES: _____ NO: _____</p>
	<p>10" poly side-boards shall be provided.</p>	<p>YES: _____ NO: _____</p>
	<p><u>Finish Paint:</u></p> <p>Sander shall be shot-blasted, then primed utilizing Chromate Epoxy Dupont CR2580.</p>	<p>YES: _____ NO: _____</p>
	<p>Sander to include organic zinc coating PPG 594601</p>	<p>YES: _____ NO: _____</p>
	<p>Finish paint shall be Township of Brudenell, Lyndoch and Raglan Red – Dupont Imron Elite 5000 polyurethane with baked-on finish – no exceptions.</p>	<p>YES: _____ NO: _____</p>
	<p><u>Top Screens:</u></p> <p>Top screens shall be heavy duty construction, with each screen assembly attached to a central "I" beam.</p>	<p>YES: _____ NO: _____</p>
	<p>The complete screen assembly shall be constructed from galvanized steel – no exception.</p>	<p>YES: _____ NO: _____</p>
	<p>Cross supports to I beam must be angled to prevent material accumulation.</p>	<p>YES: _____ NO: _____</p>

	There shall be a total of six(6) galvanized steel screen sections.	YES: _____ NO: _____
	Screen openings to be 3 in. x 3 in.	YES: _____ NO: _____
	Wire size must be 3/8 in. minimum.	YES: _____ NO: _____
	Screens must be designed so as not to prevent the tailgate from opening at any time.	YES: _____ NO: _____
33	<p><u>SANDER CONTROLS:</u></p> <p>The regulator to be pressure compensated so that the selected flow will not change as load or engine speed changes</p> <p>Standard two knob flow control</p> <p>A by-pass lever to be provided to start or stop the spreader without changing the setting.</p>	YES: _____ NO: _____
	<p>Viking model 36-12-45C Slotted trip steel reversing plow or approved equivalent:</p> <p>SPECIFY:</p> <p>MAKE: _____</p> <p>Model: _____</p> <p>This plow shall conform with the provisions of M.T.O. standards ES-414, except that the dimensions of this specification shall prevail when the two contradict.</p> <p>The plow shall operate effectively and without modification with the M.T.O. snowplow truck harness as per spec ES-401.</p> <p>The weight of the plow shall range from 1,850 to 2,732 lbs. and shall be constructed to prevent the accumulation of water in any area.</p> <p>The plow shall have a hood extending 18" past the vertical centre line, in normal operating positions.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<p>All ribs shall be of one-piece construction 100% welded both sides to the moldboard. The top edge of the moldboard shall be welded 100% to the ribs. The top rail of the moldboard shall be manufactured of 2 ½" x 2 ½" angle iron and welded securely to the ribs and moldboard with a continuous bead. All other welds must also be 100%.</p> <p>The thickness of the moldboard and hood shall be 10 U.S.S. ga. (.1345)</p> <p>The moldboard shall be equipped with power tilt allowing it to be tilted in different positions.</p> <p>The moldboard brace rod shall be hydraulically adjustable for plow angles of 45 degree, 50 degree and 55 degree. A hydraulic cylinder shall be connected to the male and female sections of the adjustable brace rod, with in-cab joystick control.</p> <p>Male end of adjusting brace assembly to be solid steel.</p> <p>Both male and female ends shall have 5/8" mounting pins.</p> <p>The female end shall be at the top to prevent the accumulation of water.</p> <p>Holes in drive bars for push frame shall be 1 ¼" diameter.</p> <p>The distance from the centre line of the holes to the end of the drive bar shall be 1 ½".</p> <p>The height of the moldboard at the top of curve shall be as follows:</p> <p>Overall Height: 36"</p> <p>The overall length shall be 12'</p> <p>The plow shall be fitted with two shoes as per M.T.O. ES-508.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<p>There shall be eight vertical ribs, 3 ½" high by 3/8" thick. Minimum weld between the moldboard and rib shall be 100% weld each side.</p>	<p>YES: _____ NO: _____</p>
	<p>The bottom rail on the moldboard shall be 5" x 3" x ½" angle below with a 3" x 2" x 3/8" gussets shall be welded between the two legs of the bottom angle, between each bolt hole, except for the two sets of end-holes and between two holes in the middle of the moldboard. The moldboard shall be continuously welded to the bottom rails.</p> <p>8" Punch blade mounting holes</p> <p>All blade hydraulic connections shall be Safeway Quick disconnect.</p> <p>The moldboard shall be designed for use with M.T.O. cutting edge ES-505 and with the M.T.O. standard nose piece ES-507. A carbide cutting edge with protector plate, shall be supplied.</p> <p>Moldboard shall have a total bearing area (pin dia. times web thickness times number of webs involved) or 4 ½" square inches minimum at the point where the drive links attach.</p> <p>Trip links safety mechanism shall be incorporated the blade mechanism must return to the normal plowing position automatically. Trip springs must be secured with lock nuts.</p> <p>Two separate lift chains shall be used and these shall pick up on the drive frame at points approximately 48" apart.</p> <p>The height of the shoes shall be adjustable as shown on M.T.O. ES-521. Height adjustable one-way shoe holder.</p> <p>The shoes shall oscillate.</p> <p>Shoes shall be carbide embedded.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<p>The moldboard shall be formed in the shape of a smooth curve.</p> <p>A sturdy eye 1/2" thickness shall be provided at the centre of gravity for handling of the moldboard.</p> <p>The design and quality shall meet M.T.O. requirements.</p> <p>The complete snowplow unit shall be painted black as per M.T.O. ES-301.</p> <p>Marker whips shall be installed on each side of the moldboard.</p> <p>Rubber deflector to be installed along top edge of moldboard.</p> <p>Drive frame shall be equipped with quick tach style swivel bar.</p> <p>A spare parts manual shall be supplied.</p> <p>A signed manufacturer's warranty shall be supplied.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
	<p>Viking model VCL500T hydraulic tilt front plow harness or approved equivalent:</p> <p>SPECIFY:</p> <p>MAKE: _____</p> <p>MODEL: _____</p> <p>The front plow harness will tilt forward to allow the chassis hood to tilt forward over centre of its pivots and stay open without the need of any additional supports.</p> <p>The harness tilt and return function will be performed by the operator from inside the chassis cab via proportional air over hydraulic control.</p> <p>One single locking shaft will be manually removed prior to performing the tilt function – dual load bearing pin designs to unlock front harness will not be accepted.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<p>The locking shaft shall be non-load bearing design with no weight actually on the shaft.</p>	<p>YES: _____ NO: _____</p>
	<p>The single lock shaft will have an outside diameter of 1 ½” inches and overall length will be a minimum of 30 inches.</p>	<p>YES: _____ NO: _____</p>
	<p>A handle will be provided on one end of the lock shaft 4 inches square, 3/8-inch tube by ¾ inch the other end will be chamfered at 30° degrees.</p>	<p>YES: _____ NO: _____</p>
	<p>The lock shaft will when installed be located inside the full length connecting tube.</p>	<p>YES: _____ NO: _____</p>
	<p>The connecting tube and lock shaft assembly will together form the upper connection point of the cheek plate weldment to the front plate assembly.</p>	<p>YES: _____ NO: _____</p>
	<p>The connecting tube overall length will be 23 3/8” inch, inside 1.612” inches, outside diameter 1.90” inches.</p>	<p>YES: _____ NO: _____</p>
	<p>The hydraulic power tilt cylinder will be double acting 2 ½ inches with a 6-inch stroke chrome piston rod.</p>	<p>YES: _____ NO: _____</p>
	<p>Two lower pivot tubes will be provided, the outer pivot tube will be connected to the right and left side cheek plates, the inner pivot tube will be permanently attached to the front plate assembly.</p>	<p>YES: _____ NO: _____</p>
	<p>The inner pivot tube will rotate forward inside the outer pivot tube allowing the front plate assembly to travel forward into the tilted position and will rotate rearward to return the front assembly to the normal working position.</p>	<p>YES: _____ NO: _____</p>
	<p>The inner pivot tube will be 4 inches outside diameter 2 ¾ inches inside diameter, 52 inch long seamless mechanical tubing.</p>	<p>YES: _____ NO: _____</p>
	<p>There will be two inner pivot tube gussets ½ inch plate, 18 13/16 inches long, 5” inches wide tapered to 2 ¼ inches.</p>	<p>YES: _____ NO: _____</p>
	<p>Harness shall hydraulically detach from the truck when not in use</p>	<p>YES: _____ NO: _____</p>

<p>Fasteners attaching cheek plates to the chassis frame rails will be minimum grade 8 N.C. hex head bolts.</p>	<p>YES: _____ NO: _____</p>
<p>Two pairs of drive ears 100% welded to the front plate spaced at standard 30 1/2" centers.</p>	<p>YES: _____ NO: _____</p>
<p>Three sets of plow drive bar connection holes located in drive ears - height to lower drive connection 19" mounted with truck empty.</p>	<p>YES: _____ NO: _____</p>
<p>Quick-tack hitch pockets bolted to drive ears.</p>	<p>YES: _____ NO: _____</p>
<p>Hydraulic plow lift cylinder, double acting 4" diameter with 10" stroke, cylinder rod chrome plated.</p>	<p>YES: _____ NO: _____</p>
<p>Plow lift yoke 3/4" steel plate, braced with two 1/4" x 2" flat bar diagonal braces.</p>	<p>YES: _____ NO: _____</p>
<p>Two mounting locations in lift yoke to provide location for mounting of plow hydraulic lift cylinder in winter operating position and stored summer position.</p>	<p>YES: _____ NO: _____</p>
<p>Mounting plates for plow lift cylinder, lift yoke and lift yoke braces all 1/2" steel plate 100% welded to front plate.</p>	<p>YES: _____ NO: _____</p>
<p>Two sealed beam LED plow lights with high and low beam and built in integral directional's with switch in cab. Heated.</p>	<p>YES: _____ NO: _____</p>
<p>Two independent double acting valve sections will be incorporated in the valve stack, one section will provide hydraulic power for the plow lift function and the second valve section will provide hydraulic power for the hydraulic power tilt function.</p>	<p>YES: _____ NO: _____</p>
<p>Two independent in cab feather joystick air controls will be pedestal mounted inside the chassis cab, one control will operate exclusively the plow lift function and the second control will operate exclusively the hydraulic power tilt function.</p>	<p>YES: _____ NO: _____</p>
<p>Lift yoke brace mounting plates positioned to provide minimum 23.5" span.</p>	<p>YES: _____ NO: _____</p>

<p>Viking model VCL275AHW All Hydraulic Type Wing Harness or approved equivalent:</p> <p>SPECIFY:</p> <p>MAKE: _____</p> <p>MODEL: _____</p> <p>These specifications describe an all hydraulic, single push arm, towerless wing harness, with the ability to perform a high shelving operation and hydraulic extend and / or retract the wing to increase or decrease the cleared path.</p> <p>The wing operation shall be fully hydraulic, without the use of any sheaves, pulleys or cables.</p> <p>With the wing raised to the high shelving position, the distance from the bottom of the cutting edge to ground level will be 24 to 30 inches.</p> <p>The wing post shall be made of 8" I-Beam, 18.4 lb/ft, minimum – no exception. Cross member shall be of heavy construction to sustain snow-plowing operation in severe conditions.</p> <p>The front post will be a minimum of 48" in height.</p> <p>To lift the front of the wing a 3" x 48" double acting hydraulic cylinder will be mounted in the rear inside of the front post.</p> <p>Guide bars will be provided for the slide assembly running, for the full height of the wing post.</p> <p>A safety stop, limited slide travel shall be supplied.</p> <p>The main supporting member for the front post shall be 4" OD x 2-3/4" ID x 5/8" wall tube crossmember running through both cheekplates, reinforced with a 1/2" steel plate between the cheekplate and front post.</p> <p>The auxiliary support shall be a 6" x 13 lb/ft channel running across the top of both cheekplates.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
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34	<p><u>TRIP HINGE & SLIDE ASSEMBLY:</u></p> <p>Front slide to be provided with a safety trip hinge assembly, the wing will return to the normal position after it has tripped.</p> <p>The safety trip block will be vertically mounted on the trip hinge above the inner and outer trip blocks connected by a .75" x 24.5" stud bolt.</p> <p>The hinge is designed to lift the wing as it trips through a trapezoidal design.</p> <p>Trip block will be rubber type with a triple convolution and a 55 density rating composition.</p> <p>Wing slide 3/4" thick steel plate, 72" overall length by 6 3/4" wide.</p> <p>Slide travel 48" minimum with provision for 14" minimum float – no exception.</p> <p>LED wing light shall be provided with separate switch.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
35	<p><u>HYDRAULICALLY ADJUSTABLE SINGLE WING BRACE ASSEMBLY:</u></p> <p>The rear harness will incorporate one only single push arm assembly.</p> <p>The push arm will be of telescopic design, outer tube 4" x 38 1/2" extra heavy pipe, inner tube 3 1/2" O.D. x 2 1/2" I.D. 38 1/2" tubing – these are mandatory minimum requirements to ensure wing stability.</p> <p>The operator will be able to change the cleared path instantly from inside the cab from 8' to 11'.</p> <p>The push arm lift cylinder will be 3 1/2" x 26" double acting.</p> <p>The telescopic push arm and lift cylinder shall quickly and easily disconnect from the rear brace via a single quick disconnect bracket. The quick disconnect bracket shall be attached via a single 1" x 15.5" pin.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<p>When the wing is in the normal carrying position, the push arm extension cylinder will be in the collapsed position. By extending the push arm cylinder, it will adjust the wing forward and upwards, allowing it to be carried in a position that will provide improved visibility from the right side chassis window.</p> <p>The push arm will incorporate a safety compression style trip spring, 5/8" wire, 3 3/4" O.D. x 2 1/2" I.D., free length, to assist in absorbing shock.</p> <p>Safety chain to be provided, to secure wing in transport position, permanently attached to push arm outer tube, 24" Long, 4.1 lb. Ft. channel.</p> <p>Extension cylinder oscillation will be achieved through two 3/4" I.D. x 2 1/8" O.D. spherical bushings press fitted and welded to 1/2" steel plate mounting lugs.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
<p>36</p>	<p><u>REAR WING TOWER:</u></p> <p>The wing tower shall be of a heavy construction and bolted to the right side of the truck chassis.</p> <p>The rear harness, when installed, shall not use up any cab to axle space and will allow the dump/sander body to be mounted directly behind the chassis cab, with minimum clearance.</p> <p>A rigid load carrying enclosure shall be provided to support the single wing brace and hydraulic lift cylinder.</p> <p>The rear supporting structure shall extend across both chassis side rails and along the right side to provide a distribution of the wing load under heavy duty operation.</p> <p>The portion of the rear supporting structure that extends across the top of the chassis side rails will be 1" thick steel plate.</p> <p>Hydraulic hoses shall connect the rams of the tower with the valves in the control box. Hoses shall be two (2) ply braided steel, SAE 100R16 with swivels on both ends – Gates hydraulic hoses only – no exception.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<p>A safety chain shall be provided for securing wing when not in use.</p> <p>Viking tube style crossmember located approximately 10" behind cab, braced and gusseted fore and aft.</p> <p>Aeon rubber helper spring installed on right front axle to assist in supporting added weight of wing system.</p> <p>LED Wing light supplied and installed.</p> <p>All steel will be shot blasted, epoxy primed and top quality black finish paint electro statically applied.</p> <p>Parts manual shall be supplied with each unit.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
	<p>Viking model VCL156AHW Steel Side Wing Moldboard or approved equivalent:</p> <p>SPECIFY:</p> <p>MAKE: _____</p> <p>MODEL: _____</p> <p>13' wing moldboard completely enclosed and smooth paneled, the moldboard contour is designed to provide a superior cast over traditional wings. There shall be provision supplied for attachment of one only single hydraulic wing brace.</p> <p>Overall length 13 feet.</p> <p>Inside intake height 28".</p> <p>Outside discharge height 34".</p> <p>Moldboard thickness 3/16" minimum.</p> <p>The rear of the wing will be completely enclosed and smooth panelled – open style break-formed wing moldboards will not be acceptable - no exception.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

	<p>Rear of wing enclosure shall be a two piece assembly consisting of:</p> <ul style="list-style-type: none"> - moldboard channel 3/16" plate - 12 5/8 X 143 5/16" top angle - 3/16" plate 9 7/16" at intake end 18 1/16" at discharge end - -143 5/16" overall length <p>The operator will be able to change the clearing path from 5' to 8' hydraulically by featherable in-cab control on swivel pedestal between seats.</p> <p>The push arm lift cylinder will be 3 1/2" x 26" hardened chromed double acting – nitrated type cylinders are not acceptable.</p> <p>The push arm cylinder will incorporate a safety compression style trip spring, 5/8" wire, 3 3/4" O.D. x 2 1/2" I.D. free length – to assist in absorbing road shock.</p> <p>Safety prop to be provided to secure wing in transport position permanently attached to push arm outer tube, 24" long, 4.1 lb. / ft. channel.</p> <p>Extension cylinder oscillation will be achieved through two 3/4" I.D. x 2 1/8" O.D. spherical bushings press fitted and welded to 1/2" steel plate mounting lugs.</p> <p>Three discharge end caps shall be provided. The caps to be constructed of 3/16" plate and each to be welded 100% to the moldboard face, the rear upper moldboard top angle and the rear lower moldboard channel.</p> <p>Lower backer angle 5/8" X 4" X 4" .</p> <p>Backer angle reinforced with 4 gussets of 3/16" X 4" steel and 8 angle stiffeners 1/2" X 3" X 3" .</p> <p>Moldboard will be reinforced without the use of vertical ribs, horizontal internal reinforcement to be supplied – no exception.</p> <p>One knuckle weldment to be provided on back side of wing moldboard for connecting the single push arm</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
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<p>37</p>	<p><u>THE WING WILL BE FITTED WITH THE FOLLOWING:</u></p> <p>One HIGH WEAR wing blade shall be supplied as per MTO spec. ES-504.</p> <p>Two wing shoes as per MTO spec. ES-509.</p> <p>Turn buckle assembly to be permanently mounted on the rear of the wing.</p> <p>The turnbuckle will pivot out and attach to the single wing brace, in order to support the brace during the disconnecting and reconnecting of the wing assembly from the rear post. When removed from chassis, the turnbuckle will keep the wing and push arm in the upright position for ease of re-installation onto rear wing tower – all other methods of removing the wing/push arm including winch system will not be acceptable.</p> <p>Adjustable needle valve in hydraulics back of cab to allow operator to be able to slow / speed mode functions of wing.</p> <p>Height adjustable WING PARKING STAND permanently attached to wing.</p> <p>ORANGE fluorescent wing marker attached to rear of wing.</p> <p>Conspicuity reflective on wing arm and on rear edge of wing.</p> <p>All steel will be shotblasted, epoxy ZINC primed and finished in Medium Gloss BLACK finish.</p> <p>Parking stand to be included</p> <p>8” holes punched for blade mounting</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
<p>38</p>	<p><u>HYDRAULIC SYSTEM:</u></p> <p>The hydraulic pump supplied shall be a Dowty Model 2PL158/220 front mount Tandem Dry Mode pump with in cab air shift.</p>	<p>YES: _____ NO: _____</p>

<p>The first stage shall produce 13 US G.P.M. at 1,000 R.P.M. and 23 US G.P.M. at 1,800 R.P.M.</p> <p>23 US G.P.M. at 1,800 R.P.M</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
<p>The second stage shall produce 18 US G.P.M. at 1,000 R.P.M. and 32 US G.P.M. at 1,800 R.P.M</p>	<p>YES: _____ NO: _____</p>
<p>One pump section shall be dedicated to the operation of the plow, wing and hoist only.</p>	<p>YES: _____ NO: _____</p>
<p>The second pump section shall strictly operate the conveyor and spinner assembly to ensure uninterrupted flow of material.</p>	<p>YES: _____ NO: _____</p>
<p>A hydraulic diverter valve shall be provided to automatically combine tandem gear pump flow when RollerPro hoist is activated.</p>	<p>YES: _____ NO: _____</p>
<p>Pump mounting plate and splined drive shaft shall be supplied.</p>	<p>YES: _____ NO: _____</p>
<p>The pump shall be driven from the crankshaft of the truck engine.</p>	<p>YES: _____ NO: _____</p>
<p>The pump shall have a manufacturer's R.P.M. rating equivalent or higher than that of the truck engine at governed speed.</p>	<p>YES: _____ NO: _____</p>
<p>Hydraulic hoses to connect pump shall be supplied. Their size shall be adequate for quick operation of all hydraulic operations and shall be <u>2 ply braided steel</u> SAE100RS, with swivels on both ends.</p>	<p>YES: _____ NO: _____</p>
<p>Hydraulic hoses to be thoroughly protected by urethane hose wrap.</p> <p>SPECIFY: _____</p>	<p>YES: _____ NO: _____</p>
<p>The drive shaft shall be supplied with spline long enough to allow telescopic retraction of the shaft in order to change fan belt without removing the pump.</p>	<p>YES: _____ NO: _____</p>

	<p>The hydraulic system must be set up so all other hydraulic functions do not “rob” the sander equipment.</p> <p>Hydraulic control valves will be stackable and sectional type walvoil model SWS-180 air shift – no exceptions.</p> <p>The valves shall be open center type to operate with a hydraulic gear pump.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>
	<p>To prevent corrosion the air shifters will have a bronze sleeve.</p> <p>The control valve will include the following 9 sections:</p> <ul style="list-style-type: none"> - 1 single acting for RollerPro hoist - 1 double acting for RollerPro winch - 1 double acting for RollerPro rear stinger - 1 double acting for plow lift - 1 double acting for moldboard tilt - 1 double acting section for front harness hydraulic tilt forward - 1 double acting section for front of wing lift - 1 double acting section for rear of wing lift - 1 double acting section for hydraulically extendible wing brace <p>The hydraulic control valves will be operated by proportional featherable in cab air controls – model RMH866000 – no exception.</p> <p>The control panel assembly shall be of a remote design pedestal mounted and adjustable.</p> <p>An oil reservoir of minimum 30 gallon capacity shall be supplied, complete with oil filter oil level sight gauge, breather type filler cap, drain plug and oil shut off valve.</p> <p>The oil reservoir will be installed behind the cab.</p> <p>Low hydraulic oil level in-cab light and alarm.</p>	<p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p> <p>YES: _____ NO: _____</p>

<p>The complete valve stack assembly will be installed well above the chassis frame rails on the left side back of cab in an easily accessible location, protected from the road debris. The junction boxes for the lights must also be installed at this location. Mounting bracket must be manufactured from 304 stainless steel.</p>	<p>YES: _____ NO: _____</p>
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Viking Model RPDB15.5 Dump Body (OPTIONAL PRICED SEPARATE)		
<p>Viking RollerPro Multi-function Transfer System Dump Body model RPDB 15.5 or equivalent. SPECIFY Make and Model_____</p>	<p>YES</p>	<p>NO</p>
<p>The unit will be a standard dump body design compatible with the Viking RP150-III Multi-function Transfer System.</p>	<p>YES</p>	<p>NO</p>
<p><u>Functionality:</u></p>		
<p>The dump body must be able to quickly connect / disconnect all electrical cables, air and hydraulic hoses to and from the Viking QD Plate, located back of cab at driver's side.</p>	<p>YES</p>	<p>NO</p>
<p>The electrical cables, air and hydraulic hoses must be functionally compatible with the Viking QD Interface Specification.</p>	<p>YES</p>	<p>NO</p>
<p>There shall be two(2) electrical connections between the roll-off and dump body, that utilize a magnetic attachment system. Body electrical connectors will only magnetically attach to the compatible roll-off system connectors on QD interface plate.</p>	<p>YES</p>	<p>NO</p>
<p>All required lighting, pumps, hydraulic and air devices for the intended function of the dump body that are not on the standard roll-off system, must be self-contained on the body and connected through the QD Plate on the Tipping Frame.</p>	<p>YES</p>	<p>NO</p>
<p>The dump box must be able to support being attached / removed from the Body Transfer System with a full capacity material load in the body.</p>	<p>YES</p>	<p>NO</p>

<u>Locks from Tipping Frame to Body:</u>		
The RP150-III Compatible Body Attachment must be able to be horizontally locked on the tipping frame to prevent movement in the raised through to the lowered positions.	YES	NO
The body attachment must lock into position vertically as it is positioned onto the tipping frame, through a minimum of 6 contact points, four located at the front and two at the rear.	YES	NO
<u>Dimensions:</u>		
Overall dump body length will be a minimum 190", as measured from front of dump body frame to outside rear of tailgate.	YES	NO
Outside dump body width will be 96" maximum, providing 3" on either side for the installation of tarp arms and to permit the side opening tailgate to be pinned to body.	YES	NO
Overall inside width will be a minimum 90", as measured above the chamfered bottom floor corners.	YES	NO
Side height must be a minimum of 36".	YES	NO
Rub rails on outside of body shall be sloped to prevent accumulation of material.		
Inner rub rails connecting sides to floor must be 45 degrees, with a width of 7 inches minimum the full length of the dump body.	YES	NO
Front wall vertical height as measured from the floor must be 60 inches minimum.	YES	NO
Clear and useable flat floor will be a minimum of 164", as measured from tailgate to back of headboard hook pocket.	YES	NO
Hook pocket height will be a maximum of 26" on front panel.	YES	NO
Tare weight of complete dump body assembly will be 4800 lbs. maximum	YES	NO

Water level capacity will be a minimum of 12.7 cubic yards	YES	NO
With 10" sideboards, the capacity shall be 16.4 cubic yards. Sideboards to be provided.	YES	NO
Tailgate height shall be 10" higher than sides, for a total of 46 in.	YES	NO
<u>Dump Body Details:</u>		
Air operated tailgate shall be provided, actuated by two independent 30/30 brake chambers. Tailgates activated by single brake chamber, or air cylinder, will not be acceptable.	YES	NO
Tailgate must support dual functionality: <ul style="list-style-type: none"> - Standard rear opening - Barn door, side opening with latch on right side of body 	YES	NO
Air operated tarp shall be installed directly onto the dump body. The tarp shall be operated through dual air cylinders. Air motors or electric tarp systems will not be acceptable.	YES	NO
Wind protector and cab-shield must be positioned on body so as to fully clear the front panel when rolled up. This will provide for full horizontal clearance in the dump body when loading.	YES	NO
<u>Construction:</u>		
Dump body shall be uni-body construction, with continuous 100% welding inside and out. Body shall be smooth paneled design, without vertical side supports.	YES	NO
Dump body floor construction shall be a minimum of 3/16 in. thick, Hardox 450, hi-tensile steel rated at 205,000 psi.	YES	NO
Long-sills shall be constructed from 1/4 in. thick Corten 100 corrosion resistant steel, riding on the tipping frame.	YES	NO
Body sides construction shall be a minimum of 3/16 in. thick, Hardox 450, hi-tensile steel rated at 205,000 psi.	YES	NO

Front wall and hook pocket construction shall be a minimum of 3/16 in. thick, Hardox 450, hi-tensile steel rated at 205,000 psi.	YES	NO
Tailgate construction shall be a minimum of 3/16 in. thick, Hardox 450, hi-tensile steel rated at 205,000 psi.	YES	NO
<u>Finish and Paint:</u>		
Sander shall be shot-blasted, then primed utilizing Chromate Epoxy Dupont CR2580.	YES	NO
Sander to include organic zinc coating PPG 594601	YES	NO
Finish paint shall be City of Timmins blue – Dupont Imron Elite 5000 polyurethane with baked-on finish – no exceptions.	YES	NO
<u>Rear Lighting:</u>		
Grote Ultra Blue Seal rear stop, tail, directional and back-up lights shall be installed in each rear corner post – 3 lights per side.	YES	NO
In addition, Grote amber strobe lights shall be installed at the top section of each rear corner post.	YES	NO

Date:

Signature of Bidder:

PART C REQUEST FOR PROPOSAL FORM

Describe in detail the vehicle which you propose to supply if awarded the contract. Include in the detail a copy of a promotional breakdown or pamphlet with a picture of the vehicle and any information that may assist the Township of Brudenell, Lyndoch and Raglan in determining whether or not the proposed vehicle meets the specifications.

VEHICLE DESCRIPTION

ONE ONLY 6 – TON TANDEM AXLE TRUCK:

MAKE: _____

MODEL: _____

YEAR _____

PART 1 – VEHICLE PRICES

One Only 6 – Ton Tandem Axle Truck Proposed Vehicle Price \$ _____ CDN

One Only RollerPro Sander/Spreader Proposed Price \$ _____ CDN

One Only Snowplow and Wing Package Proposed Price \$ _____ CDN

OPTIONAL RollerPro Dump Box Proposed Price \$ _____ CDN

Warranty Charges (if applicable) \$ _____ CDN

TOTAL PROPOSED PRICE EQUIPPED AS REQUESTED \$ _____ CDN
(taxes not included)

Applicable Taxes (HST) \$ _____ CDN

A/C Tax \$ _____ CDN

Tire Tax \$ _____ CDN

TOTAL PROPOSED PRICE EQUIPPED AS REQUESTED \$ _____ CDN
(including taxes)

PART 2– OTHER INFORMATION

- (1) Location where warranty work, if necessary, will be available. Dealer must have a service facility within approximately 100 km or specify distance from the Township of Brudenell, Lyndoch and Raglan Municipal Office located at 42 Burnt Bridge Rd, Palmer Rapids, ON K0J 2E0.

- (2) Proposed delivery date is on or before Monday March 3rd 2025.

SECTION 2 – DELIVERY REQUIREMENTS

- I. The successful supplier is required to deliver the vehicle to the Township of Brudenell, Lyndoch and Raglan Municipal Office on or before the proposed delivery date as specified above. In the event that the successful supplier is able to make the vehicle available prior to the proposed delivery date as specified above, the Township of Brudenell, Lyndoch and Raglan may, but is not obliged to, accept delivery prior to that date.
- II. The vehicle shall remain the responsibility of and at the sole risk of the successful supplier until the Township Brudenell, Lyndoch and Raglan accepts delivery.

Delivery Point: The Township of Brudenell, Lyndoch and Raglan, Municipal Office
42 Burnt Bridge Rd, Palmer Rapids ON, K0J 2E0

Owner: The Township of Brudenell, Lyndoch and Raglan

Supplier: _____
Supplier’s Name (Dealership)

Supplier’s Address

City Province Postal Code

Telephone Number

Fax Number

Email Address

Authorized Signature
(I have the authority to bind the company)

Printed Name and Position of Signer

I/We, the undersigned, having carefully examined the specifications and made all inquiries necessary or desirable in establishing the vehicle required, hereby offer to supply the vehicle described in this RFP to the Township of Brudenell, Lyndoch and Raglan in accordance with the said documents at the cost set forth in the attached Request for Proposal Form.

I/We acknowledge receipt of each of the RFP documents and acknowledge that each forms an integral part of this RFP.

Notification of acceptance of this RFP may be given by fax or email, addressed to me/us at the address contained in this RFP.

In submitting this RFP I/We hereby certify that I/We have made all such inquiries as may be necessary or useful in understanding the requirements and submitting a valid RFP. I/We shall not claim that the requirements have, or are in any way, are different or changed.

I/We understand that the contract will be terminated in the event that I/We fail to supply the vehicle and/or meet warranty obligations to the satisfaction of the Township of Brudenell, Lyndoch and Raglan.

I/We also declare that I/We did not rely on information provided by the Township of Brudenell, Lyndoch and Raglan, or its employees, other than written information specifically given in response to any inquiries made.

I/We hereby certify that, at the time of submitting this RFP, I am/we are in full compliance with all laws of Canada and the Province of Ontario.

If this RFP is accepted, I/We undertake and agree to supply the vehicle in full compliance with the specifications of this RFP.

DATED at _____ this _____ day of _____, 2024.

Signature of Supplier

Telephone Number

Print Name

Fax Number

Supplier's Address

City

Province

Postal Code

Email Address

PART D TOWNSHIP CONTACTS AND ADMINISTRATION

Any questions or any additional information contact:

Jordan Genrick, Operations Manager
Township of Brudenell, Lyndoch and Raglan
42 Burnt Bridge Rd., P.O. Box 40
Palmer Rapids, Ontario K0J 2E0
(613) 758-2061 - office
(613) 758-2235 – fax
E-mail: manager@blrtownship.ca

PART E REQUEST FOR PROPOSAL CLOSING

(a) Date of Closing

RFP submissions can be made until **12:00 PM, Local Time on Wednesday August 7th 2024**. RFP submissions received after this deadline will be given consideration only if no acceptable submissions are received otherwise.

(b) Package Submission Process

RFP packages shall be submitted in a closed and sealed envelope clearly marked as to contents, to:

Virginia Phanenhour, Clerk-Treasurer
Township of Brudenell, Lyndoch and Raglan
42 Burnt Bridge Rd., P.O. Box 40
Palmer Rapids, Ontario K0J 2E0
(613) 758-2061 - office
(613) 758-2235 – fax
E-mail: clerk-treasurer@blrtownship.ca

Please note that the successful proposal may not necessarily be the lowest submitted cost but the one that provides the best long-term solution for the Township of Brudenell, Lyndoch and Raglan.

