



**REQUEST FOR PROPOSAL
No. 2018-16**

**ARTICULATED VARIABLE
HORSEPOWER MOTOR GRADER
2018 OR 2019 MODEL YEAR**

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1. Introduction

The Township of Lanark Highlands requires one **(1) Articulated Variable Horsepower Motor Grader 2018 or 2019 Model Year** (fully-equipped as to the specifications outlined in Schedule "A" to this RFP) in 2018. The attached specifications are a guide and any differences to those specifications must be indicated on the form or in the proposal description of the motor grader offered. Failure to meet all specifications as set out in Schedule "A" will not invalidate a proposal, however, preference will be granted to proposals that are best able to achieve the specifications and timeline as stated.

The requirements for responses to this Request for Proposal (RFP) are as described in this document. The Township reserves the right to not accept any proposal and to re-issue this RFP at the sole discretion of the Township.

2. Definitions

As used herein, as well as in all attached forms and schedules, the following definitions shall apply unless otherwise indicated:

- (a) "Contact Person(s)" means that person or those persons identified under Item 7 (d) of the RFP;
- (b) "Equipment" means the Articulated Variable Horsepower Motor Grader and Related Attachments 2018/19 Model Year to be furnished by the successful Proponent pursuant to a purchase order to be issued by the Township on terms to be negotiated;
- (c) "Official Closing Time" means 10:00 AM Local Time, on August 15th, 2018.
- (d) "Proponent" means any individual, contractor, firm, practitioner, company or corporation submitting Proposals in response to the RFP;
- (e) "Proposal" means the offer of a Proponent to furnish commodities or services or equipment in response to the RFP and includes all Forms, Statements and Plans to be furnished in accordance with the Documents to be Included in Proposal (Item 6) below;
- (f) "RFP" means this document and any other document or documents attached hereto (including all forms and schedules) pertaining to, or comprising, an invitation to bid for the furnishing of the commodities and/or services outlined herein and includes any and all addenda that may be subsequently issued by the Township in respect of such invitation to bid;
- (g) "Specifications" means the list of Equipment specifications attached as Schedule "A" hereto;

- (h) "Supplier" means the successful Proponent with whom the Township has negotiated the terms of a commodity supply agreement to be finalized through the issuance of a purchase order (on such agreed terms) by the Township;
- (i) "Township" means the Corporation of the Township of Lanark Highlands;

3. SCHEDULE OF EVENTS

The Request for Proposal process will be governed according to the following schedule. Although every attempt will be made to meet all dates, the Township reserves the right to modify any or all dates at its sole discretion.

Deadline for Submission	-	August 15th, 2018 at 10:00 AM PM RFP
Opening	-	August 15th, 2018, at 10:15 A.M. Township Municipal Office 75 George St. Lanark
Delivery Date	-	No later than November 1, 2018

(or Delivery Date that is reasonable and mutually agreed upon as specified / included in the Proposal Submission)

4. SCOPE - "ARTICULATED VARIABLE HORSEPOWER MOTOR GRADER 2018 OR 2019 MODEL YEAR"

The Township of Lanark Highlands invites Proposals from qualified/certified Proponents interested in "**Articulated Variable Horsepower Motor Grader 2018 or 2019 Model Year**" as listed in the Schedule "A" specifications.

The proposed purchase will be managed by the Public Works Superintendent or Designate. The mandate of Public Works Superintendent or Designate will be to ensure the interests of all parties are addressed through the Request for Proposal process.

Project Management:

Management of the Request for Proposal including development of timelines and ensuring on time delivery of product will be the responsibility of the Proponent retained to complete the Request for Proposal with input and direction from the Public Works Superintendent or Designate as the municipal representative.

The Request for Proposal timelines and delivery date will be a requirement to be included in the Request for Proposal issued by the qualified Proponent for completion of this work.

5. PROPOSAL SUBMISSION PROCESS:

Date and Location for Receiving Proposal Submissions

Proponents are to provide three (3) copies of their Proposal submissions in a sealed package, clearly identified as to contents and addressed to:

Thomas McCarthy, Road Superintendent
Township of Lanark Highlands
75 George St.
Lanark, ON K0G 1K0

Proposal Submissions shall be submitted on the prescribed form, in the sealed package, clearly identifying the document as "**RFP 2018-16 - Articulated Variable Horsepower Motor Grader 2018 or 2019 Model Year**"

Proposals must be received at this location **NO LATER THAN 10:00 A.M. LOCAL TIME on August 15th, 2018**. Proposals received after the above due date and time will not be considered and will be returned unopened/unread. Fax or electronic submissions will not be accepted.

6. DOCUMENTS TO BE INCLUDED IN PROPOSAL

The following documents shall be included in each Proposal submitted by a Proponent:

(a) Price Submission (Form 1)

The Price Submission in Form 1 to the RFP must be completed, signed, and sealed by an individual authorized to execute binding legal documents on behalf of the Proponent. If more than one corporate entity is involved in a submission, the arrangements between the various entities must be clearly explained by way of attachment to the form.

(b) Acknowledgement and Estoppel (Form 2)

The Acknowledgment and Estoppel in Form 2 to the RFP must be completed, signed, and sealed by an individual authorized to execute binding legal documents on behalf of the Proponent.

(c) Delivery Timetable

A Plan setting out the date and proposed manner of delivery of the Equipment to the Township at the following location:

Township of Lanark Highlands
75 George St.
Lanark, ON K0G 1K0

(d) Warranty Statement

A statement describing in full detail the extent of warranty coverage to be provided by the Supplier in respect of the Equipment and/or any component of the Equipment. Full details of any extended coverage must also be included.

(e) Specifications and Product Brochures

A copy of the Specifications (attached as Schedule "A" to this RFP) shall be included in each Proposal. The Specifications sheet is presented in the form of a checklist to which Proponents must complete the required information (either "Yes" or "No" or other information as requested). A copy of all available product brochures and other promotional material in connection with the Equipment or any component thereof must also accompany the Proposal.

7. SUBMISSION OF PROPOSALS

The Proponent understands that by signing the Proposal Submission Forms and by offering submission to this Request for Proposal that they agree to all terms and conditions as they appear in the RFP, and that they confirm the following:

- The Proponent has carefully examined the specifications and RFP forms obtained from the Municipal Office, 75 George St., Lanark, Ontario.
- Signature(s) from person(s) authorized to sign on behalf of the Proponent and agree that by signing said submission you are certifying that you understand and agree to the term(s) of Contract and specifications.
- That the Proponent understands and accepts the said conditions and specifications, and for the prices set forth in this Proposal Submission, hereby offers to furnish the Articulated Variable Horsepower Motor Grader, as specified.
- That the Proponent agrees to deliver the completed Articulated Variable Horsepower Motor Grader 2018/19 Model Year on or before November 1st, 2018, in strict accordance with said conditions and specifications. **(or Delivery**

Date that is reasonable and mutually agreed upon as specified / included in the Proposal Submission)

- That the Proponent understands and accepts to furnish the Township with further/extra details that may assist in the evaluation of each submission.
- (a) The submission shall include as a minimum:
- The Contact information for the Proponent.
 - An e-mail address, fax number and mailing address that responses are to be sent to.
 - Form 1 – Price Submission, the maximum fee for the purchase, including a detailed itemized list on what this total fee is based on.
 - Form 2 – Acknowledgement and Estoppel
 - Schedule “A” Completed in full and included with the Submission Forms
- (b) The Specifications provided on Schedule “A” are intended to limit submissions but rather provide a framework for the Township to evaluate each proposal and determine which submission addresses the Township’s requirements. Therefore, Proponent(s) are encouraged to provide any additional information or innovative ideas, solutions and/or services not specifically outlined in the content of this document. All qualifying submissions will be evaluated by the Public Works Superintendent and Public Works Foreman based on the scoring system listed in Item 8(c) Evaluation Criteria, and a recommendation will be provided to the Chief Administrative Officer for awarding a Contract, subject to budget constraints.
- (c) All questions related to the Request for Proposal shall be faxed to 613-259-2291 or emailed to tmccarthy@lanarkhighlands.ca attention Thomas McCarthy, C.E.T., Public Works Superintendent. Responses will be sent and shared with all Proponents, by e-mail or fax, in a timely manner.
- (d) Proposals shall remain valid and open for acceptance by the Township for a period of sixty (60) calendar days following the deadline for receipt of proposals.
- (e) The proponent is to include trade in values for the Townships 1994 and 1996 Champion Graders. The Township may accept **one or both or neither** trade in offers at their sole discretion and will use the offers in consideration of the total purchase price.

8. ACCEPTANCE OR REJECTION OF RFP SUBMISSIONS

(a) Township’s Rights

The Township reserves the right to accept or reject any or all Proposal Submissions, for any reason whatsoever, and to accept or reject any Proposal Submission, if considered best for the interest of the Township. Lowest or any Proposal Submission may not

necessarily be accepted.

The Township reserves the right to cancel the Request for Proposal at any time up to the notification of Award. The Township will not be liable for any payments to subcontractors.

The Township reserves the right to re-issue an amended Request for Proposal to the qualified Proponent(s) that submitted a Proposal Submission.

(b) Not a Tender Call

It is mutually understood, acknowledged and agreed that this procurement process is a Request for Proposal and NOT a Call for Tender. Accordingly, The Township shall not be obligated in any manner to any Proponent whatsoever until a written Purchase Order has been duly executed by the Township relating to an accepted Proposal.

(c) Evaluation Criteria

The intent of the RFP is to procure for the Township the Equipment that best suits the needs of the Township. Accordingly, the Township reserves the right to accept the Proposal which, in its sole opinion, is deemed most advantageous to the Township. To this end the evaluation process will consist (in addition to the overall discretionary powers reserved above) of consideration being given to ability to deliver, price, quality of products and services offered, performance, enhancement to minimum specifications, Proponent's qualifications and reliability. Without limiting the generality of the foregoing, specific consideration will also be given to the following criteria: (a) proximity of the installation facility to the Township; (b) the ability of the installation facility to provide a National Safety Mark on its products; (c) location of parts and service facilities; and (d) compatibility of the Equipment and its components with existing units.

The following scoring system will be used to evaluate each accepted proposal.

	Weight
1. Cost Assessment	
Total all-inclusive cost	
Cost of options and attachments	60%
Warranties	
2. Field Review	
References – review of customer satisfaction.	10%
Previous experience with the Township	
3. Submission of Requested Proposal Content	
Provide comprehensive submissions as per Schedule "A"	
Specification review/comparison	15%
4. <u>Proposed Delivery Time Table.</u>	15%
Total Score	100%

(d) Contract Negotiations

The successful Proponent and the Township will negotiate in good faith the final terms of a Contract based on the Proponent's Proposal. The contents of the selected Proposal (subject to amendment due to negotiations) together with the RFP and any formal questions and answers disseminated during the Proposal process will be incorporated with and made a part of the final negotiated supply contract as developed by the parties. Successful negotiations will result in the execution of a supply contract (in the form of a Purchase Order issued by the Township), subject to final approval.

9. CONTRACT

The Contract shall be in the form of a Purchase Order for the specified and /or agreed upon "Articulated Variable Horsepower Motor Grader 2018/19 Model Year" which will include the Proponent's total price amount of the Proposal Submission and any negotiated additions or omissions. The Township will prepare the Purchase Order. The Township will not accept a Contract document prepared by the Proponent or a third party.

Failure to execute the contract (Purchase Order) and to file all documentation, as required herein, within ten (10) days of receiving the Purchase Order shall be just cause for the cancellation of the contract. The Township shall then have the right to award the contract to any other Proponent or re-issue the request for proposal.

10. CONFIDENTIALITY

The Proposal Submission must not be restricted by any statement, covering letter or alteration by the Proponent(s) in respect of confidential or proprietary information. The Township will treat all Proposal Submissions as confidential. The Township will comply with the Municipal Freedom of Information and Protection of Privacy Act, and its retention by-laws pursuant to the Municipal Act, in respect of all Proposal Submission documents.

All public reports approved by the Council of the Corporation of the Township of Lanark Highlands will become public information. Such public reports will not include Proposal Submission documents but shall include the total amount of the Price Submission.

The Township will not return or destroy all copies of any successful Proposal Submission. All unsuccessful Proposals will be destroyed in accordance with the Township of Lanark Highlands Records Retention By-Law.

11. ERRORS AND OMISSIONS

The Township shall not be held liable for any errors or omissions in any part of this Request for Proposal. While the Township has used considerable effort to ensure an accurate representation of information in this Request for Proposal, the information contained in the Request for Proposal is supplied solely as a guideline for Proponent(s). The information is not guaranteed or warranted to be accurate by the Township, nor is it necessarily comprehensive or exhaustive. It is the responsibility of the Proponent(s) to check that the information provided is correct and that they have all information required to submit an accurate submission with any changes necessary.

12. LEGISLATIVE AND LICENSING REQUIREMENTS

All Proponent(s) and proposal submissions must comply with any law, including all legislation and regulations, which may be applicable to the services provided subsequent to the request for proposal.

The successful Proponent shall, as a condition of the contract, be required to comply with the applicable laws of the Province of Ontario and Canada, including but not limited to the:

- The Occupational Health and Safety Act (Ontario)
- Ontario Human Rights Code
- Pay Equity Act (Ontario)
- & any and all other legislation as laid out in the attached schedules

The Proponent shall work in compliance with all health and safety regulations to include, but not be limited to, the utilization of proper protective clothing / equipment and ensure that all equipment is kept up to safe operating standards at all times. The Proponent acknowledges its obligations under the *Occupational Health and Safety Act*, and the Township's safety policy.

Any agreement that results from this request for proposal will be subject to the laws of the Province of Ontario and Canada.

All Procurement activities on behalf of the Corporation of the Township of Lanark Highlands shall be undertaken in compliance with Section 13 of the Ontarians with Disabilities Act, 2001 S.O. 2001, Chap. 32, and the Accessibility for Ontarians with Disabilities Act, 2005 and all related regulations requiring regard to accessibility for persons with disabilities to the Goods or Services.

All Proponent(s) are required to acknowledge their obligations under the Accessibility for Ontarians with Disabilities Act, 2005, (AODA) and its regulations and evidence of compliance satisfactory to the Authorized Person in his or her sole discretion, prior to the commencement of a project. The addition of this clause is required for compliance with the AODA, 2005.

13. INCURRED COSTS

The Township shall not be responsible for any liabilities, costs, expenses, loss or damage incurred, sustained or suffered by any Proponent prior or subsequent to or by reason of the acceptance or non-acceptance by the Township of any Proposal Submission or by reason of any delay in the acceptance of a Proposal Submission.

The Township shall not be held liable for any portion of any agreement that Proponent(s) have entered into with subcontractors and/or suppliers in relation to this request for proposal or subsequent contract. The Proponent(s) shall be liable for any and all supervision, adherence to legislation, terms and conditions of the request for proposal, terms and conditions of contract, payments, and litigation arising from their arrangement with a subcontractor or supplier

When/if damage is caused to Township or Private Property and/or equipment, by the Proponent it is the responsibility of the Proponent to notify the appropriate Township authority immediately of the damage so that it can be inspected. The Proponent shall then be responsible to repair (or make arrangements for repair) the damage as specified by the appropriate Township authority and within a timely manner, so as not to cause interruptions of Township services. All costs associated with repair will be the responsibility of the Proponent.

14. TERMS OF PAYMENT

Payment will be made in response to an invoice itemized in accordance with the Purchase Order. Invoice(s) shall be based on the Equipment delivered as described in the scope of the project. The Equipment must meet the minimum requirements and /specifications and be inspected by the Public Works Superintendent or Designate and completed to the Township's satisfaction. The Product shall be delivered on or before November 1st, 2018. ***(or Delivery Date that is reasonable and mutually agreed upon as specified / included in the Proposal Submission)***

Each day over the mutually agreed date of delivery shall result in a one hundred and fifty dollar (\$150.00) reduction to payment per day in default.

Failure to meet the above deadlines and/or requirements and specifications will result in non-payment.

FORM 1

PRICE SUBMISSION

In accordance with the terms and conditions of the RFP, the undersigned (the "Proponent") hereby offers to provide the Equipment to the Township at the following price:

ONE (1) NEW 2018 or 2019 ARTICULATED VARIABLE HORSEPOWER MOTOR GRADER

Make _____

Model _____

Price of base unit as per specifications \$ _____

Sub Total \$ _____

Plus H.S.T. \$ _____

TOTAL RFP price \$ _____

Trade \$ _____
(1994 Champion Motor Grader – 730A Series)

Trade \$ _____
(1996 Champion Motor Grader – 730A Series)

Proponent's HST Registration No. _____

Proponents specifically acknowledge and confirm the following requirements as noted within the Specifications:

1. Units shall be supplied only with graders' standard or advertised optional engine. Graders with non-advertised or altered engine horsepower settings will not be

accepted. Only currently advertised and factory approved engine and drive train combinations are acceptable;

2. This specification lists only the major details of the unit; therefore it is the Supplier's responsibility to deliver a fully equipped vehicle with compatible components to provide dependable efficient service;
3. The supplier shall include a provision for a demonstration of the new Motor Grader on delivery to the municipal yard. Demonstration to include overview of equipment maintenance activity and the operation of all operable features of the unit;
4. Supplier must be an authorized agent for the manufacturer in respect of sales, parts and warranty support for the Equipment and all components thereof;
5. Supplier shall furnish complete shop manuals, parts books and operations manuals for the Equipment and all applicable components thereof;
6. Supplier will provide an optional trade-in value. This trade-in will be at the discretion of the Township to accept or reject;
7. Supplier will provide a price for each of the optional attachments. The options will be at the discretion of the Township to accept or reject;
8. Specified delivery date of completed Equipment to the Township of Lanark Highlands, 75 George St. Lanark, Ontario, 2018.

Name of Proponent

Mailing Address

Telephone Number

Fax Number

Email for Proponent

Name of person authorized to
Sign for the Proponent

Signature of Authorized Person

Date of Signature

, 2018

Witness or Proponent's Seal

**FORM 2
ACKNOWLEDGMENT AND ESTOPPEL**

THIS ACKNOWLEDGMENT AND ESTOPPEL dated this _____ day of _____, 2018, by _____
(hereinafter called the "Proponent") in favour of

The Corporation of the Township of Lanark Highlands (hereinafter called the "Township")

WHEREAS the Township has issued a Request for Proposal for the supply of certain Equipment (hereinafter called the "RFP");

AND WHEREAS the Proponent has submitted a Proposal to the Township;

NOW THEREFORE in consideration of the Township's review and consideration of the Proponent's Proposal:

1. The Proponent acknowledges the unique nature and character of the RFP as more particularly set out in the RFP documents to which this Acknowledgement and Estoppel is attached. Without limiting the foregoing, the Proponent specifically acknowledges and agrees that:
 - (a) This is a request for proposals and not a Tender call;
 - (b) The lowest, or in fact, any proposal will not necessarily be selected for further negotiation;
 - (c) In the event that a Proposal is selected, the Township will negotiate with the Proponent that presented the most attractive Proposal to the Township; and
 - (d) The Township shall not be obligated in any manner to any Proponent whatsoever until a written Purchase Order has been duly executed by the Township relating to an approved Proposal.

2. The Proponent waives any right to make any claim of any kind whatsoever against the Township for any liabilities, costs, expenses, losses or damages, whether actual or anticipated, that may be incurred, sustained or suffered by the Proponent prior or subsequent to or by reason of the Proponent's preparation or submission of a Proposal in response to the RFP, or the selection or rejection by the Township of the Proponent's Proposal or any other Proposal, or any components thereof.

IN WITNESS WHEREOF an authorized officer of the Proponent has signed, sealed and delivered this Acknowledgment and Estoppel.

Name: _____ Title _____

Signature: _____ Date: _____

"I HAVE AUTHORITY TO BIND"

SCHEDULE "A"

Specification	YES	NO	Confirmation
1. WEIGHT and PERFORMANCE Specify the make and model of unit being tendered.			Specify Make: Specify Model:
NEW 2018 / 2019 current production model			Specify Year:
The weight of the grader with cab and the equipment specified but excluding the weight of the scarifier and any front or rear attachments e.g., snow plow equipment, shall be 38500 lbs. Minimum.			Specify:
Weight on the rear tandem wheels of the grader as above excluding attachments shall be 27700 lb. minimum.			Specify:
Total Weight of the grader specified as requested with attachments.			Specify:
Maximum net rim pull shall be developed at a road speed less than 2 m.p.h. (rim pull is calculated as total front and rear weight x .9 friction factor – All Wheel Drive based on total weight)			Specify Rim Pull: Specify Speed:
Shall be All Wheel Drive			
All wheel drive shall be effective in gears 1 to 7.			
2.ENGINE The engine shall be 6-cylinder diesel, 4 stroke cycle, turbo-charged, Diesel.			
Engine shall be wet sleeve design			
Engine Emissions shall be Final Tier 4 lower Tiers not accepted.			
Rated net brake horsepower shall be no less than: 275 H.P. With engine fan running at full R.P.M. (Top gears)			Specify H.P: Specify R.P.M:
Manufactures literature shall verify Horsepower			
The engine shall be variable horsepower			Engine Make: Model:
Displacement shall be 9.0 Litre minimum			Specify: Litres: Cubic Inches:
Net Peak Torque shall be no less than 1010 ft-lbs.			Specify:
Net Torque Rise shall not be less than 55%			Specify Torque Rise:
The machine shall be equipped with an anti-stall feature. As engine pull down gets too low			

the transmission will drop down a gear or shift to neutral to prevent an engine stall.			
Specification	YES	NO	Confirmation
<u>3.ENGINE EQUIPMENT</u>			
Spin on filters for the following; Hydraulic oil, Differential oil, Transmission oil, Engine oil, Fuel			
A centrifugal type intake air pre-cleaner			
A fuel water separator			
Air Filter - two-stage, dry element, ejector, and a restriction indicator, which is clearly visible from the cab.			
Battery(s) - maintenance free, 12 volt, combined CCA rating of (2800) minimum.			
Cold Weather Start Aid. Auto Ether, Glow plugs or Intake Air Pre-heater are acceptable			Specify type:
Engine coolant heater, 1500 watt 120 volt			
Brushless alternators with a minimum output of 200 amperes for a 24-volt system			Specify:
Anti-Freeze to -37°C			
Fuel Tank shall be FULL on delivery			
Fuel Tank shall have steel protective guarding			
Ground level fueling			
Automatic Reversing High Capacity fan			
Swing out rear fan door			
The engine is to be completely enclosed by cowling having hinged panels to provide easy access to all parts for service			
All vertical intake and exhaust stacks shall be supplied with weather guards.			
The exhaust stack shall have a 45° elbow			
A guard shall be provided to protect the underside of the rear frame section of the grader			
<u>4.TRANSMISSION</u>			
Shall be designed by the manufacturer to match the engine			
Transmission shall be a direct drive power shift with a minimum of 8 speeds forward and 6 speeds reverse			Specify:
Transmission shall have auto shifting feature			
Transmission shall have shuttle shift feature			
Transmission guard with side shields to be included			
Transmission shall have built in self diagnostic capability			

5.HYDRAULICS Hydraulic system shall be closed centre, load sensing type with a variable displacement piston pump.			
Hydraulic pump shall produce 210 liters per minute at 2000 rpm			
Blade lift cylinders shall have independent float capability			
Hydraulic and power train systems shall have separate oil reservoirs			
Weather Guards shall be provided over auxiliary hydraulic Valve banks			
Gas Charged Blade Lift Accumulators shall be installed to protect the high lifts.			
A hydraulic pump unloader valve shall be equipped for cold starts and will bypass the hydraulic system to allow the engine easier starts in cold weather.			
6.AXLES Rear axles - tandem drive, oscillating type rear axle			
Differential will have a lock-up feature and in-cab control.			
Differential shall have lock/unlock capability under full load			
Dash mounted light shall be illuminated when differential lock is on			
Differential shall have an Automatic lock/unlock feature. The lock up feature will disengage when the machine turns out of straight and will lock up when returned to straight. This feature will work automatically without operator input.			
Front Axle shall be provided with hydraulic leaning wheels			
Powertrain consisting of transmission, final drive and engine shall be protected on the underside by full heavy-duty bottom guards, complete with removable inspection plates.			
Bottom guards shall be factory installed			
7.TIRES AND RIMS Tires shall be tubeless radial type			
Approved tires are: Michelin XSnoPlus Radial			
Size -17.5X25			
Rims - 3 Piece			
Molded Plastic Front and Rear Fenders to be supplied and installed.			
8.STEERING			

Steering system shall be hydraulic power assisted			
Steering Wheel must be provided			
The steering system must provide steering control in case of engine failure.			
9.FRAME The frame shall be constructed of welded steel members of either box or tubular section or a combination of these two types.			
The frame shall be articulated behind the cab			
The articulation joint shall have a mechanical locking device to prevent frame articulation while servicing or transporting machine and shall be located behind the cab.			
10.CAB Weather proof cab with two operator access doors.			
Low Profile cab			
A premium air suspension heated seat with adjustable armrests.			
76 mm (3 in.) wide retractable seat belt as per SAE J386			
Upholstery - cloth			
Safety Glass - tinted safety glass throughout.			
Cab intake air to be filtered			
Glass embedded electric rear window defroster to be supplied.			
Two sliding side opening windows to be supplied			
Two Lower Front Opening Windows shall be supplied.			
Windshield wipers with washers – front, rear & lower front			
All wipers to have intermittent function.			
Heater - a fresh air heater to maintain a temperature: of 21°C inside the cab with temperature of -45°C outside, shall be supplied. The air intake to the heater must be outside the cab. Air to heater from outside must be filtered. Heater to be 31500 BTU minimum.			
Defroster package			
Air conditioning with cab pressurizer (28,000 BTU minimum)			
Mirrors - Two outside heated convex mirrors to be supplied, 157 mm x 406 mm (6" x 16")			

approximately to be mounted left and right side on foldaway brackets			
Inside rear-view mirror to be supplied			
Cab Lighting – illuminated entry, instrument panel lights and dome light with separate switch.			
Grab handles for cab entry			
Left and right cab access steps			Specify:
3 points of contact on all areas of the grader for mounting and dismounting			
A rear vision Camera shall be Supplied			Specify:
Mechanical Slopometer to be supplied – Model 2NS mounted front and center			
AM/FM/WB Radio with Bluetooth Handsfree capabilities			
Front Sun Visor			
Rear sun screen			
Cooler/lunch box storage with cup holder.			
5 lb. multipurpose (ABC) dry chemical fire extinguisher			
Coat hook.			
<u>11.NOISE SUPPRESSION</u> The preferred sound level in cab shall not exceed 72 Db (A) as per ISO 6394:1998 (enclosed cab).			Specify dB(A)
<u>12.CONTROLS</u> The entire front control console with steering wheel shall be infinitely adjustable fore & aft as a single unit			
A functional steering wheel shall be supplied			
Foot accelerator and hand throttle shall be supplied.			
Electronic throttle control (cruise control) shall be supplied and shall cancel by applying service brake.			
Electric over hydraulic control levers integrated into the seat arm rests or joystick controls shall be supplied. Enclose with the bid a diagram/schematic or picture of the control pattern proposed			
The Grader shall be equipped with an automatic blade control system capable of controlling cross slope automatically from the right side or left side. This may accomplished with a Trimble, TopCon or on board factory system. Include literature with the bid.			Specify Make and Model of System:
<u>13.BRAKES</u> Braking system shall be ISO 3450 compliant			
Service Brakes - wet disc type effective on all			

four wheels of the tandem drive and shall be hydraulic power boosted			
Backup system to provide braking if engine fails.			
Parking Brakes - shall operate independently of the service brake system.			
Parking brake shall be spring applied, hydraulically released.			
<u>14.CIRCLE AND MOLDBOARD</u>			
Operating mechanism – moldboard operating mechanism shall be power operated			
It shall be capable of lifting and lowering (bank sloping 90°) side shifting and revolving of the moldboard			
It shall be possible to side shift the moldboard hydraulically with reference to the blade circle.			
Circle to be protected via overload counterbalance valve or slip clutch.			
Heavy duty circle support system with a minimum of 5 guide and clamp plates			
Heavy duty wear inserts to be supplied for circle and moldboard			
Length – shall be 14ft			
Thickness – 1”			
Height 27 in. minimum			
Cutting edges shall be 3/4” x 8 with 5/8 hardware			
Right and left independent floats shall be supplied for the moldboard			
Moldboard to be drilled to accept carbide edges			
<u>15.ELECTRICAL SYSTEM</u>			
All external wiring shall be enclosed in some manner to protect it from environmental damage and all connections should be made in a sealed enclosure.			
<i>The following items to be supplied:</i>			
24 volt electrical system with master disconnect switch			
Back up alarm- minimum 100 dBA			
Odometer			
Hour meter			
Tachometer			
Volt or amp meter			
Fuel gauge			
Hydraulic oil temperature gauge			
Transmission oil temperature gauge			
30 Amp (24V to 12V) converter with 2 power			

ports			
Electric horn			
16.LIGHTING <i>The following lights shall be supplied: Four LED plow lights with signal lights on low mounting bar</i>			
Two LED work lights mounted left and right side of main frame forward of lift cylinders			
Two LED moldboard lights			
Two LED cab mounted headlights			
Two LED cab mounted work lights			
Two LED right side cab mounted wing lights			
Two LED back up lights			
Two engine compartment lights			
LED lights at rear of grader to include stop, tail and turn signal lights			
LED turn signal lights mounted on front HIGH Light mounting bar			
Four-way hazard flashing light system			
One SWS Amber Beacon Light mounted on a flip down bracket. Shall be anti-feedback type to prevent inference with radios			
Vehicle side reflectors			
17.MISC. EQUIPMENT Operator's manual, repair manual and spare parts catalog shall be supplied with the grader on hard copy and on CD or Memory Stick.			
Safety, Maintenance and Operation Video / DVD shall be supplied			
Tool box			
Slow moving sign. Shall be supplied			
Single key locks for entire vehicle			
18.ENVIRONMENTAL Environmental drain provisions shall be provided for the following: <ul style="list-style-type: none"> • Engine Fuel • Hydraulic oil • Engine oil • Engine coolant • Transmission oil • Differential oil • Fuel Tank 			
Colour- coded fluid sampling valves/ports			
Engine shall be Biodiesel Compatible			Specify:
19. PAINT Shall be manufacturer's standard colours			
20. ATTACHMENTS			
High Bench Hydraulic Snow Wing to be supplied and Installed 302-12RM Craig with			

Hugh Wear Edges installed.			
6 Hydraulic Auxiliary Functions with floats to be supplied and installed			
Front Lift Group to be Installed and shall accommodate New Attachments as well as old Champion Style attachments. Craig UNI-100			
Craig One Way Plow with standard edges to be supplied. Model 1073			
Auto-Lube with in cab indicator to be supplied and installed			
<u>21. WARRANTY and SERVICE</u> The 1st engine service shall be performed at NO CHARGE to TWP including oil, filter, labour and full machine inspection			
5 Years Telematics at no Charge to the Township to be included.			
The equipment shall include the standard manufacturer's (1) one year full warranty			
Warranty shall be effective from Customers in service date			
<u>22. DELIVERY</u>			
Delivery shall be FOB the Customers shop			
Delivery time frame after receipt of purchase confirmation			
Total Tendered Price Equipped as Required			\$
Less Trade In			\$
Sub Total			\$
HST			\$
Total Bid Price			\$

Signature of Bidder: _____
Date Signed: _____

List three municipalities in Ontario that have purchased similar Equipment in the last 2 years

1. _____

2. _____

3. _____

List location of "Manufacturers" Parts

Warehouse _____

Distance from Township's Office in Lanark, ON to nearest fixed support location.

KM's _____

Specify location _____

Date Signed

Signature of Authorized Person

Name of Firm

Position in Firm