



TENDER

ONE (1) HEAVY DUTY MOTOR GRADER

**(2018 CURRENT PRODUCTION MODEL NINE LITRE (9L) MINIMUM
ARTICULATED VARIABLE HORSEPOWER
MOTOR GRADER AND RELATED ATTACHMENTS)**

CONTRACT #2018-PW-005

TENDERS RECEIVED BY:

The Corporation of Tay Valley Township
217 Harper Road,
Perth, Ontario K7H 3C6

Attention: Amanda Mabo, Clerk

Telephone: 613-267-5353 ext. 130

Toll Free: 1-800-810-0161

Fax: 613-264-8516

E-mail: clerk@tayvalleytwp.ca

Website: www.tayvalleytwp.ca

**THE CORPORATION OF TAY VALLEY TOWNSHIP
TENDER FOR ONE (1) HEAVY DUTY MOTOR GRADER**

PART "A" – INFORMATION TO BIDDERS

1. Tender Form

Sealed Tenders, clearly marked as to the contents, on the forms supplied by the Corporation of Tay Valley Township ("the Township"), will be received, by the undersigned or his/her designated representative, at the Municipal Office, 217 Harper Road, Perth, Ontario, until **1:00 p.m.**, local time, as determined by the clock located on the computer in the reception area of the Municipal Office, on **Thursday, April 26th, 2018 for One (1) Heavy Duty Motor Grader.**

Tenders received after closing time will not be considered.

The Corporation of Tay Valley Township
217 Harper Road,
Perth, Ontario K7H 3C6

Attention: Amanda Mabo, Clerk

Telephone: 613-267-5353 ext. 130
Toll Free: 1-800-810-0161
Fax: 613-264-8516
E-mail: clerk@tayvalleytwp.ca

One copy of the **completed Form of Tender**, Part "D", on the forms provided, shall be submitted. All information shall be shown in the tender in the spaces provided, including the signature of the Bidder with his/her address and telephone number.

Tender Forms must be properly signed and witnessed, or signed, witnessed and sealed if the bidder is a Corporation. Tenders must be submitted, using the Tender Label – Form 5 (to be affixed on your Tender Envelope).

The Tender must be legible, written in ink or typewritten, where stipulated, with the unit price for every item and other entries clearly shown. Tenders which are incomplete, conditional or obscure or which contain erasures or alterations not properly initialed, or irregularities of any kind, may be rejected. Submissions must not be restricted by a statement added to The Corporation of Tay Valley's Form or by a covering letter, or by alterations to the form supplied, unless otherwise provided in Part "A" - Information to Bidders.

Tenders received by fax or email will be disqualified.

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PART "A" – INFORMATION TO BIDDERS

2. Clarification of Documents

Any clarification of the Township's documents required by the Bidder, prior to submission, shall be requested through the Township. Any such clarifications so given shall not, in any way, alter the Township's documents and the Bidder and the Township agree that in no case shall oral arrangements be considered. No officer, agent or employee of the Township is authorized to alter, orally, any portion of these documents. During the period prior to submissions, alterations will be issued to Bidders as written Addenda. In the submission, the Bidder shall list all Addenda that were considered when the submission was prepared.

All questions shall be directed, in writing (by email) to the Clerk.

All questions/discrepancies identified must be sent to the Township at least three (3) business days prior to the submission due date.

Copies of all questions and answers and any addenda will be posted on the website no later than two (2) business days prior to the submission due date.

3. Contract Documents and Order of Precedence

The contract documents shall consist of all the pages of the Tender documents, issued by the Township, and the Company's submission. Do not remove any pages from the Township's Form.

These documents, and portions thereof, take precedence in the order in which they are named above, notwithstanding the chronological order in which they are issued or executed.

The intent of the Contract is that the Company shall supply equipment and materials or services complete and suitable for the Township's intended use.

None of the conditions contained in the Bidders standard or general conditions of sale shall be of any effect unless explicitly agreed to by the Township and set forth or specifically referred to therein.

4. Addenda

Bidders may be advised by addenda, of required additions, deletions or alterations in the requirements of the Tender documents. All such changes shall become an integral part of the Tender documents and shall be allowed for in arriving at the total submission price.

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PART "A" – INFORMATION TO BIDDERS

5. Harmonized Sales Tax

Harmonized Sales Tax (H.S.T.), or any other applicable taxes, will be paid **in addition** to the tendered price.

6. Health and Safety

The Bidder assumes full responsibility for conforming with all legislation regarding the safety of his/her employees and the public on this Contract and all notices required to comply with the legislation.

Accordingly, the Bidder shall:

- (a) Demonstrate establishment and maintenance of a health and safety program with objectives and standards consistent with applicable legislation.
- (b) Provide a copy of your Company's Health and Safety Policy, dated not later than **2018**, to be submitted with the Tender.
- (c) Provide a copy of the applicable WSIB Certificate of Clearance or equivalent (if the Bidder is from outside Ontario), to be submitted with the Tender.

Upon request, at any time, from the awarding to the completion of the Contract, submit proof of fulfillment of the above noted.

7. Accessibility

The Bidder shall provide a declaration with the Tender that they are compliant with the Accessibility for Ontarians with Disabilities Act and its Regulations.

8. Bidder's Checklist

To assist Bidders with completing a response to this Tender, a Tender Checklist is included in Part D.

9. Withdrawal

A Submission may be withdrawn at any time prior to the closing date and time at the Bidder's discretion. Withdrawal notification must be in written form, signed and must be submitted to the Clerk. No fax, telephone calls or emails will be accepted. After the official closing date and time, all Submissions received shall be irrevocable.

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PART "A" – INFORMATION TO BIDDERS

10. Public Opening

All submissions will be opened at the Municipal Office, 217 Harper Road, Perth, Ontario, on the same day and time as the closing date.

11. Tender Results

The names of the Bidders and total bid prices will only be made available at the Tender Opening. After the Tender Opening, requests may be submitted to the Township for the results and only the names of the Bidders and total bid prices, as read out at the Tender Opening, will be given in the reply. Bid results will be posted on the Township's Website at www.tayvalleytwp.ca within 48 hours of the Tender Opening.

12. Bid Acceptance

It shall be the policy of the Township that in any procurement of goods, services, facilities or construction invitations to submit a tender to the Township, the Township reserves the right to reject an offer to supply goods and/or services or Tenders presented in response to the Township's procurement processes where the Township determines, in its sole and unfettered discretion, that the entity making the offer has performed poorly on any Township contract during the previous five-year period. Township Council may remove a Company's name from consideration for a contract under this Policy, for a period of up to five (5) years, on the basis of documented poor performance or non-performance on a Township Contract.

Unless otherwise specified in these Tender documents, this Tender constitutes an irrevocable offer to provide the goods and/or services described herein **for a period of ninety (90) calendar days** from the closing date of the receipt of Tenders. **The Township anticipates awarding the Contract no later than May 15th, 2018.**

The Bidder may be required to show, in terms of experience and facilities, evidence of its ability, as well as that of any proposed subcontractor, to perform the work by the specified delivery date.

The Township reserves the right to award by item, or part thereof, groups of items, or parts thereof or all items of the Submission, and to award Contracts to one or more Bidders submitting identical prices, to accept or reject any Submission in whole or in part; to waive irregularities or omissions. If in so doing, the best interests of the Township will be served. No liability shall accrue to the Township for its decision in this regard.

The acceptance of any Submission is subject to appropriate funding acceptable to the Township.

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PART "A" – INFORMATION TO BIDDERS

The placing in the mail or delivery of a notice of award to the Company address, given in the Submission, shall constitute notice of acceptance of the Contract.

13. Insurance

The successful Company shall provide the following insurance:

Commercial General Liability Insurance

The General Liability policy shall be underwritten by an insurer licensed to conduct business in the Province of Ontario and include but not be limited to the following:

- a) Third party bodily injury, personal injury and property damage, to an inclusive limit of not less than \$2,000,000 per occurrence.
- b) The Township shall be added as an additional insured.
- c) The policy shall contain a provision for cross liability and a severability of interest clause.
- d) The policy shall contain a provision for contractual liability – oral and written
- e) The policy shall provide the Township with 30 days' notice of cancellation or nonrenewal.
- f) Non-owned Automobile Coverage for a limit of not less than \$2,000,000 including contractual non-owned coverage.
- g) Contingent Employer's Liability.
- h) Broad Form Property Damage.

Motor Truck Cargo Insurance

The Company shall obtain & keep in force for the duration of this contract Motor Truck Cargo Insurance on an All Risks basis, in an amount sufficient to cover the full replacement cost of the equipment being provided under the contract while that equipment is being delivered to the Township, including during loading and unloading from the conveying vehicle(s).

Other Requirements

The Company acknowledges that he/she is an independent Contractor and shall, indemnify, protect and save harmless The Corporation of Tay Valley Township, its agents and employees from any and all damages, liabilities and claims of whatsoever nature arising out of the furnishing by the Company, its agents or employees of the materials and/or performing of the services covered by this Contract.

The Company remains responsible for maintaining the required insurance even if the certificates are never exchanged and/or requested.

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PART "A" – INFORMATION TO BIDDERS

The Contractor shall obtain and keep in force for the duration of this contract automobile insurance under a standard Automobile Policy with limits no less than \$2,000,000 in respect of each owned or leased licensed vehicle.

14. Failure to Enter into an Agreement

In addition to all of the Township's other remedies, if a selected Bidder fails to execute the accepted agreement or satisfy any other applicable conditions within ten (10) days of notice of selection, the Township may, in their sole and absolute discretion and without incurring any liability, approve an extension (*should agreement changes be requested*), rescind the selection of that Bidder and proceed with the selection of another Bidder.

15. Assignment

The Company shall not assign the Contract, or any portion thereof, without the prior consent of the Township.

If the Township agrees to the assignment of the Contract, all Assignment Agreements will be prepared, at the sole cost of the Company, and under no circumstances will the Township be responsible for these costs.

16. Laws and Regulations

The Company shall comply with relevant, federal, provincial and municipal statutes, regulations and by-laws pertaining to the work and its performance. The Company shall be responsible for ensuring similar compliance by its suppliers and subcontractors.

The Contract shall be governed and interpreted in accordance with the laws of the Province of Ontario.

17. Default by Company

If the Company commits any act of bankruptcy or if a receiver is appointed on account of its insolvency or in respect of any of its property or if the Company makes a general assignment for the benefit of its creditor, then, in any such case, the Township may, without notice; terminate the Contract.

If the Company fails to comply with any request, instruction or order of the Township or fails to pay its accounts or fails to comply with or persistently disregard statutes, regulations, by-laws or directives or relevant authorities relating to the work or fails to prosecute the work with skill and diligence or assigns or sublets the Contract without the Township's written consent or refuses to correct defective work or is otherwise in default in carrying out its part of any of the terms, conditions and obligations of the Contract, then, in any such case, the

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PART "A" – INFORMATION TO BIDDERS

Township may, upon expiration of ten (10) days from the date of written notice to the Company, terminate the Contract.

Any termination of the Contract by the Township, as aforesaid, shall be without prejudice to any other rights or remedies the Township may have.

If the Township terminates the Contract, it is entitled to:

- Take possession of all of the work in progress and finish the work by whatever means the Township may deem appropriate under the circumstances.
- Withhold any further payments to the Company until its liability to the Township can be ascertained.
- Recover from the Company loss, damage and expense incurred by the Township by reason of the Company's default (which may be deducted from any monies due or becoming due to the Company, any balance to be paid by the Company to the Township).

18. Contract Cancellation

The Township shall have the right, which may be exercised from time to time, to cancel any uncompleted or unperformed portion of the work or part thereof. In the event of such cancellation, the Township and the Company shall negotiate a settlement.

The Township shall not be liable to the Company for loss of anticipated profit on the cancelled portions of the work.

19. Responsibility

The Township shall not be responsible for any liabilities, costs, expenses, loss or damage incurred, sustained or suffered by any Bidder prior to, subsequent to, or by reason of the acceptance or the non-acceptance of a Tender save as provided in the Contract. The Township reserves the right to reject any or all Tenders and to waive formalities as the interest of the Township may require without stating reasons, therefore, and the lowest or any Tender will not necessarily be accepted.

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PART "A" – INFORMATION TO BIDDERS

20. Liquidated Damages

Liquidated damages shall be paid by the contractor if the delivery called for in the Tender is not completed within the time set out in the Tender, or by an amended date approved by the Township. The Contractor agrees to pay the Township liquidated damages at a sum of 2% of the total tender price per calendar day, for each day's delay in delivery.

21. Payments

The Company shall invoice the Township, "Tay Valley Township", upon delivery. The Township shall pay said ninety percent (90%) of the invoice within thirty (30) days of receipt of the invoice (date of delivery).

Payment by the Township, of the ten (10%) percent holdback, shall be made ninety (90) days from the date of delivery.

The Township shall have the right to withhold, from any sum otherwise payable to the Company, such amount as may be sufficient to remedy any defect or deficiency in the work, pending correction of the same.

22. Municipal Freedom of Information

Any personal information collected by or on behalf of the Township under this Tender is subject to the *Municipal Freedom of Information and Protection of Privacy Act*. The information provided to the Township may be used to confirm certain information provided in the submissions for this project. The person submitting this Tender consents to such collection and use of the information. The person submitting this Tender acknowledges the Tender is a public document and that the information contained in the Tender may become public and consents to the release of that information. By responding to this Request for Tender, respondents waive any challenge to the Township decision in this regard. Any questions regarding the collection, use, or disclosure of the information should be directed to the Clerk of the Township.

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PART "B" –GENERAL CONDITIONS

1. The unit shall be delivered **on or before June 29th, 2018, or on a date agreed to by both parties**, to the Burgess Garage, 4174 Narrows Lock Road, Perth, Ontario and if the unit is not received on or before the date indicated by the bidder on the tender form, the Township reserves the right to initiate "Liquidated Damages – Clause 20 - Part "A" – Information to Bidders".

2. The following specifications are prepared with the intention of providing a basis for securing competitive bids. Notwithstanding certain detail, equipment of similar design and construction will receive consideration if, in the opinion of the Tay Valley Township, it is considered to be suitable for the intended application and generally conforms to performance requirements. All bids on equipment not fully meeting the specifications shall be accompanied by a statement fully outlining any departures from the specifications and fully describing the equipment offered. Bidders must also complete the column indicated "Specify" after each specification statement.

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PART "C" – SPECIAL CONDITIONS

1. This specification covers a motor grader used in the maintenance of highways and municipal roads.
2. This specification covers only the major details of a unit. It is the supplier's responsibility to deliver a fully equipped unit with compatible components to provide dependable efficient service.
3. 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.
4. Nomenclature shall be to SAE Standard J870 unless otherwise stated.
5. Unit will be delivered as a complete working unit to 4174 Narrows Lock Road, Perth Ontario K7H 3C5.
6. Warranty and in service date will start the day the unit is delivered to 4174 Narrows Lock Road, Perth Ontario K7H 3C5.

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PART "D" – FORM OF TENDER

1. I _____, of _____,
- DECLARE** that no person, firm or Corporation, other than the one whose signature or the signature of whose proper officers and seal is or are attached below, has any interest in this Tender or in the Contract proposed to be taken.
2. **I FURTHER DECLARE** that this Tender is made without any connections, knowledge, comparison of figures or arrangement with any other company, firm or person making a Tender for the same work and is in all respects fair and without collusion or fraud.
3. **I FURTHER DECLARE** that no member of the Township Council, or any Officer of the Township is or will become interested, directly or indirectly, as a contracting party or otherwise, in the performance of the Contract, or in the supplies, work or business to which it relates or any portion of the profits thereof, or any such supplies to be used therein or in any of the monies to be derived therefrom.
4. **I FURTHER DECLARE** that several matters stated in the said Tenders are in all respects true.
5. **I FURTHER DECLARE** that this offer is to continue open to acceptance until the formal contract is executed by the successful Company for the said Tender OR for a period of ninety (90) days after the closing date, whichever first occurs and that the Township may, at any time, within that period, without notice, accept this Submission whether any other Submission has been previously accepted.
6. **I FURTHER DECLARE** that the awarding of the contract based on this Tender by the Township shall be an acceptance of this Tender.
7. **I FURTHER DECLARE** that Addendum/Addenda No. _____, inclusive, has/have been received, and that all changes specified in the Addendum/Addenda have been included in the prices submitted. I do hereby tender and offer to enter into a Contract, to do all of the work and to furnish all necessary labour, machinery, tools, apparatus and other means of construction, and to provide, furnish, deliver, place and erect all materials mentioned and described or implied therein, to complete the work, herein described, in strict accordance with the plans, specifications and special provisions and to accept in full payment therefore, the sums calculated in accordance with the actual measured quantities, except where noted, at the unit prices set forth in the tender therein as follows:

Witness

Signature

Date

Name of Company

E-mail Address

Address

Name of Signing Authority for
Contract (Please print)

Telephone

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PART “D” – FORM OF TENDER

SPECIFICATIONS AND CONFIRMATION FOR GRADER

TENDERED UNITS MUST COMPLY WITH THE FOLLOWING SPECIFICATIONS IN ALL ASPECTS. ALTERNATIVE COMPONENTS, WHICH MEET THE REQUIREMENT OF THIS SPECIFICATION BUT ARE NOT IDENTIFIED IN THE SPECIFICATION, MUST BE APPROVED BY THE TOWNSHIP PRIOR TO TENDER CLOSING.

Specify Manufacturing Location: _____

<u>1. MAKE & MODEL</u>	YES	NO	SPECIFY
Specify the make and model of unit being tendered.			Specify Make: Specify Model:
New current production model. Demo or houred machines will not be considered.			

<u>2. WEIGHT</u>	YES	NO	SPECIFY
The basic weight of the grader with cab and the equipment specified but excluding the weight of the scarifier and any attachment e.g., snow plow equipment, shall be 35,000 lb minimum.			Specify:
Weight on the rear tandem wheels of the grader as above shall be 25,500 lbs minimum.			
Total weight of the grader specified as requested with attachments.			Specify:

<u>3. ENGINE</u>	YES	NO	SPECIFY
The engine shall be 6 cylinder diesel, 4 stroke cycle, turbo-charged, diesel.			
Engine shall be wet sleeve design.			
Tier Certification shall be Current Canadian Standards or newer. Tier 3, IT4, FT4 is acceptable.			Specify Tier Level:

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PART “D” – FORM OF TENDER

Rated net brake horsepower shall be no less than: <i>250 H.P with engine fan running at full R.P.M. in High Range (7th or 8th Gear).</i>			Specify HP: 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:
Maximum torque (net peak torque).			Specify:
Torque Rise shall be 60% minimum.			Specify Percent: State RPM:
The machine shall be equipped with an anti-stall feature. As engine pull down gets too low the transmission will drop a gear or shift to neutral to prevent engine stall.			Specify:

<u>4. PERFORMANCE</u>	YES	NO	SPECIFY
Maximum net rim pull shall be developed at a road speed less than 2 m.p.h. (rim pull is calculated as total rear <u>base</u> weight x .9 friction factor).			Specify Rim Pull: Speed:

<u>5. ENGINE EQUIPMENT</u>	YES	NO	SPECIFY
The following equipment shall be supplied. Spinners on filters for the following: <ul style="list-style-type: none"> • Hydraulic Oil 			

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PART “D” – FORM OF TENDER

<ul style="list-style-type: none"> • Differential Oil • Transmission Oil • Engine Oil • Fuel 			
A centrifugal type intake air precleaner shall be installed.			
A fuel water separator.			
Air Filter - two-stage, dry element, ejector, and a restriction indicator, which is clearly visible from the cab.			
Cold weather start aid auto ether supplied or equivalent.			
Battery(s) - maintenance free, 12 volt, combined CCA rating of (2800) minimum.			Specify Capacity:
Engine coolant heater, 1500 watt 120 volt.			Specify:
A brushless alternator with a minimum output of 130 amperes for a 24 volt system.			Specify:
Anti-Freeze to -37°C.			
Fuel tank shall be FULL on delivery.			
Fuel tank capacity shall be 400 litres minimum			
Ground level fueling.			
Shall be equipped with Automatic reversing fan. Reversing fan shall be programmable from inside the			Specify:

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PART “D” – FORM OF TENDER

cab to reverse at various intervals.			
Swing out rear fan door			

<u>6. TRANSMISSION</u>	YES	NO	SPECIFY
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.			

<u>7. HYDRAULICS</u>	YES	NO	SPECIFY
Hydraulic system shall be closed centre, load sensing type with a variable displacement piston pump.			
Hydraulic pump shall produce 200 litres per minute at 2000 rpm.			Specify:
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.			
For cold weather starting there shall be an Automatic Hydraulic Pump Disconnect.			

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PART “D” – FORM OF TENDER

8. AXLES	YES	NO	SPECIFY
Rear axles - tandem drive, oscillating type rear axle.			
Differential with lock-up feature and in-cab control.			
Differential shall have lock/unlock capability under full load.			
Dash mounted light shall be illuminated when diff lock is on.			
Front axle - shall be provided with hydraulic leaning wheels.			
Differential to have auto lock/unlock feature.			
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.			

9. TIRES	YES	NO	SPECIFY
Tires shall be tubeless radial type.			
Approved Tires : 17.5R25 Michelin XLTA Tires.			
Rims – all tires to be mounted on 1 piece rims.	Yes:		No:
Load Rating Minimum 8048 lbs.	Specify:		
Front and Rear Factory Installed fenders shall be installed upon delivery.	Yes:		No:

10. STEERING	YES	NO	SPECIFY
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PART “D” – FORM OF TENDER

Steering system shall be hydraulic power assisted.			
The steering system must provide steering control in case of engine failure.			

<u>11. FRAME</u>	YES	NO	SPECIFY
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.			

<u>12. CAB</u>	YES	NO	SPECIFY
Weather proof cab with two operator access doors.			
Low profile cab. Maximum Grader Height to be no more than 10'6".			Specify:
An air suspension heated seat with adjustable arm rests.			Specify:
76 mm (3 in.) wide retractable seat belt as per SAE J386.			
Upholstery – cloth.			
Safety Glass - tinted safety glass throughout.			
Powered Cab air intake to be filtered and Cab Air recirculation to be filtered.			
Glass embedded electric rear window defroster to be supplied.			

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Two sliding side windows and two lower front opening windows to be supplied.			
Windshield wipers with washers - front, rear, and two front lower level windows.			
All wipers to have intermittent function.			Specify:
Heater - Fresh air heater to maintain temperature: of 21°C inside cab with temperature of -45°C outside, shall be supplied. Air intake to heater must be outside the cab. Air to heater from outside must be filtered. Heater to be 31,500 BTU minimum.			Specify:
Defroster must have vents to be able to defrost the front rear and side windows.			Specify:
Air conditioning with cab pressurizer (28,000 BTU minimum).			Specify:
Mirrors - Two outside heated convex mirrors (supplied), 157 mm x 406 mm (6" x 16") approximately 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.			
Rear Backup Camera with in cab display to be supplied.			
Grab handles for cab entry.			
Left and right cab access steps.			

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3 points of contact on all areas of the grader for mounting and dismounting.			
Mechanical Slope Meter – center mounted 2NS or equivalent.			
Front Visor.			
Rear sun screen.			
Cooler/lunch box storage with cup holder.			
5lb multipurpose (ABC) dry chemical fire extinguisher.			
Coat hook.			
First aid kit to be supplied.			

<u>13. NOISE SUPPRESSION</u>	YES	NO	SPECIFY
The preferred sound level in cab shall not exceed 72 Db (A) as per ISO 6394:1998 (enclosed cab).			Specify dB(A):
Sound absorption package to be included in the engine compartment, factory installed.			

<u>14. CONTROLS</u>	YES	NO	SPECIFY
The entire front control console with steering wheel shall be infinitely adjustable fore & aft as a single unit.			
A steering wheel is to be supplied.			
Foot accelerator and hand throttle, shall be supplied.			
Electronic throttle control (cruise control) shall be supplied and shall			

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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 be accomplished with a Trimble, TopCon or on board factory system. Include literature with the bid.			
One touch return to straight on articulation shall be supplied.			
Grade Control System included			Specify Make and Model:
List 3 Ontario customers currently using proposed controls with proposed system. 1. 2. 3.			

<u>15. BRAKES</u>	YES	NO	SPECIFY
Braking system shall be ISO 3450 compliant.			
Service Brakes - wet disc type effective on all four wheels of the tandem drive and shall be air or hydraulic power boosted.			

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PART “D” – FORM OF TENDER

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>16. CIRCLE AND MOLDBOARD</u>	YES	NO	SPECIFY
Operating mechanism – moldboard operating mechanism shall be power operated.			
Circle Turn Drive shall be powered by single drive motor or equivalent.			
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.			
Stability - the mechanism shall be capable of holding the moldboard rigidly in any selected position without chatter, deflection or drift.			
Circle to be protected via overload counterbalance valve or slip clutch.			Specify:
Heavy duty circle support system with a minimum of 5 guide and clamp plates.			Specify:
Heavy duty wear inserts to be supplied for circle and moldboard.			
Length – shall be 14ft.			Specify:
Thickness shall be 1 inch minimum.			
Height shall be 27 inch minimum.			Specify:

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PART “D” – FORM OF TENDER

Cutting edges shall be 3/4” x 8” and 5/8” hardware.			
Moldboard impact system to be supplied with accumulators frame mounted and switch controlled by the operator.			
Right and left independent floats shall be supplied for the moldboard.			
Moldboard to be drilled to accept carbide edges.			

<u>17. ELECTRICAL SYSTEM</u>	YES	NO	SPECIFY
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.			
24 Volt electrical system with master disconnect switch.			
Back up alarm – minimum 100 dB(A).			
Odometer.			
Hourmeter.			
Tachometer.			
Volt or amp meter.			
Fuel gauge.			
Hydraulic oil temperature gauge.			
Transmission oil temperature gauge.			

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PART “D” – FORM OF TENDER

30 amp (24V to 12V) converter with 2 power ports.			Specify:
Electric horn.			
Factory installed AM/FM/WB radio with Bluetooth and Aux. port to be supplied.			

<u>18. LIGHTING</u>	YES	NO	SPECIFY
Four LED plow lights with signal lights on low mounting bar.			
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 LED engine compartment lights.			
LED lights at rear of grader to include stop, tail and turn signal lights.			
LED turn signal lights mounted on front light mounting bar			
Four way hazard flashing light system			
One amber and one blue strobe light separately switched and each mounted on fold down brackets on the rear of the cab.			

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PART “D” – FORM OF TENDER

Two engine service compartment lights.			
Vehicle side reflectors.			

<u>19. ENGINE COVER</u>	YES	NO	SPECIFY
The engine is to be completely enclosed by cowlings having hinged panels to provide easy access to all parts for service			

<u>20. WEATHER GUARDS</u>	YES	NO	SPECIFY
All vertical intake and exhaust stacks shall be supplied with weather guards.			
45° exhaust elbow to be included.			
A guard shall be provided to protect the underside of the rear frame section of the grader.			

<u>21. EQUIPMENT</u>	YES	NO	SPECIFY
Operator's manual, repair manual and spare parts catalogue shall be supplied with the grader. This information may be provided on CD.			
A safety, maintenance and operation video/DVD.			Specify:
Tool box.			
Rear counter weight with hitch, min 1600 lb to be supplied. Bolt-on style, and removable.			
Front fenders of molded plastic with flaps that move in conjunction with the tires without interference.			

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PART “D” – FORM OF TENDER

Rear fenders of molded plastic with flaps allowing access to engine without hood panel interference.			
Slow moving sign supplied.			
Single key locks for entire vehicle.			Specify:

<u>22. VANDALISM PROTECTION</u>	<u>YES</u>	<u>NO</u>	<u>SPECIFY</u>
A lock or lock cover shall be provided to protect the fuel cap, cab doors, engine side panels, hydraulic oil reservoir cap, the radiator cap and battery boxes.			

<u>23. ENVIRONMENTAL</u>	<u>YES</u>	<u>NO</u>	<u>SPECIFY</u>
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.			
Bio diesel compatible.			Specify:

<u>24. ENGINE SERVICE</u>	<u>YES</u>	<u>NO</u>	<u>SPECIFY</u>
The first engine service shall be performed at NO charge to the Township including oil, filter labour and full machine inspection.			

<u>25. TELEMATICS</u>	<u>YES</u>	<u>NO</u>	<u>SPECIFY</u>
To include 5 years at no charge machine monitoring system/telematics			

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PART “D” – FORM OF TENDER

system.			
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<u>26. ATTACHMENTS</u>	YES	NO	SPECIFY
Attachments to be painted manufacturers standard colour.			
CPL/Groeneveld TWIN or approved equivalent autolube system to be supplied.			
2 front auxiliary hydraulic functions to be supplied.			Specify:
4 rear auxiliary hydraulic functions to be supplied two of which will have a float function.			Specify:
A front push block is to be installed.			
Blade impact accumulators to protect the high lift cylinders are to be included.			

<u>27. PAINT</u>	YES	NO	SPECIFY
Shall be manufacturer's standard colour.			

<u>28. WARRANTY</u>	YES	NO	SPECIFY
The equipment shall include the standard Manufacturer's (1) one year warranty.			
An extended powertrain warranty for five years /5000 hours to be included.			

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PART “D” – FORM OF TENDER

<u>29. DELIVERY</u>	YES	NO	SPECIFY
Delivery shall be FOB the customer’s shop.			
Delivery time frame after receipt of purchase confirmation.			

OPTIONAL

<u>1. TRADE IN</u>	YES	NO	SPECIFY
<p>Bidders are requested to offer a trade-in allowance for 1995 Champion Motor Grader.</p> <p>Approximate Hours: 16,000 Can be viewed at 4174 Narrows Lock Road, Perth Ontario, K7H 3C5.</p>			

<u>2. ATTACHMENTS</u>	YES	NO	SPECIFY
Spare set (4) tires and rims to be supplied Michelin SNO PLUS			

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PART "D" – FORM OF TENDER

List three municipalities in Ontario that have purchased a similar machine in the last 2 years:

1. _____
2. _____
3. _____

List location of Manufacturers Parts Warehouse:

Distance from Tay Valley Township to nearest fixed support location:

Kilometers: _____

Location: _____

**THE CORPORATION OF TAY VALLEY TOWNSHIP
TENDER FOR ONE (1) HEAVY DUTY MOTOR GRADER**

PART “D” – FORM OF TENDER

I/We hereby agree to supply **one 2018 current production model nine litre (9L) minimum articulated variable horsepower motor grader and related attachments.** Complete in working condition in accordance with Parts “A”, “B” and “C” of this tender for the following price:

MAKE:	MODEL:
YEAR:	

DESCRIPTION	TOTAL PRICE Canadian \$ (LESS HST)
Supply one (1) 2018 current production model nine litre (9L) minimum articulated variable horsepower motor grader and related attachments.	

The specified Grader will be delivered to the Tay Valley Township Burgess Garage, 4174 Narrows Lock, Perth, Ontario on or before June 30th, 2018.

OPTIONAL

Bidders are requested to provide a price for the following optional options:

DESCRIPTION	PRICE (LESS HST)
Spare set (4) tires and rims to be supplied Michelin SNO PLUS	
Trade-in allowance for 1995 Champion Motor Grader.	

Notes:

- i) HST will be paid in addition to the tendered price
- ii) Prices must be rounded to two decimal places only

**THE CORPORATION OF TAY VALLEY TOWNSHIP
TENDER FOR ONE (1) HEAVY DUTY MOTOR GRADER**

PART “D” – FORM OF TENDER

CHECKLIST

Enclosed with submission:

1. Completed Part “D” enclosed
2. 2018 Health and Safety Policy – Part “A” (#6)
3. WSIB Certificate of Clearance – Part “A” (#6)
4. Accessibility Declaration – Part “A” (#7)

Documents upon Award of Contract:

1. Certificate of Insurance – Part “A” (#13)

**THE CORPORATION OF TAY VALLEY TOWNSHIP
TENDER FOR ONE (1) HEAVY DUTY MOTOR GRADER**

PART "D" – FORM OF TENDER

TENDER LABEL – FORM 5

To help identify your Tender, please **cut out the label below and affix this label to the outside of your Tender Envelope:**

THE CORPORATION OF TAY VALLEY TOWNSHIP TENDER FOR ONE (1) HEAVY DUTY MOTOR GRADER CONTRACT #2018-PW-005	
The Corporation of Tay Valley Township 217 Harper Road, Perth, Ontario K7H 3C6	
Attention:	Amanda Mabo, Clerk
Telephone:	613-267-5353 ext. 130
Toll Free:	1-800-810-0161
Fax:	613-264-8516
E-mail:	clerk@tayvalleytwp.ca
CONTRACT NUMBER:	CLOSING DATE:
2018-PW-005	1:00PM April 26th, 2018
YOUR COMPANY'S NAME AND ADDRESS:	

✂ Use the above label for your envelope when you submit your Tender Document.