

The following is a minimum specification intended to provide for one (1) New Snow Grooming machine. This is NOT a brand name specification. When using the brand name it shall be construed solely for the purpose of indicating the standards of quality, performance use and size of our desired piece of equipment. All vendors are encouraged to submit bids for their equipment provide it is of same or better quality and performance please list the Year, Manufacturer, and Model in the provided area of the bid, and provide descriptive literature with your bid.

Manufacturer, Model and year of proposed Groomer Tractor: 2015 Prinoth Used Demonstration Husky Cross Country Snow Groomer Serial # HS01044 approximately 150 Hours.

BIDDER PROPOSES TO FURNISH

Engine:

Mercedes-Benz OM 924 LA; TIER 3, four cylinder inline diesel Engine with turbo charger, charge air intercooling, and electronically Controlled pump-nozzle injection. **Exception; Tier 4 MTU**

OM934 AD, A.

4820 cc (292 cubic inch) 197 HP, Diesel Engine. Maximum torque of 705 Nm at 1,200 to 1,600 RPM. **Exception 228 HP Max Torque 900Nm @ 1200-1600 RPM**

AD, A

Pressurized Lubrication system with Canister Filter; Open breathing Crankcase Ventilation. **comply**

Heavy duty centrifugal air cleaner with replaceable paper changeable Element and status meter. **comply**

Canister fuel filter with pre-filter. Comply

USFS approved spark arrester muffler, residential rated preferred. Comply

40 Gallon Diesel fuel tank. Comply

24 volt electrical system. 100 amp/28 volt Alternator, 2x12volt 92 Ah High capacity cranking batteries. (760 Amp.) . **Exception***

Cold Start assist: Intake Grid Heater. Comply

Coolant pre-heater 110 V / 1,000 Watt. Comply

Electrically controlled feed pressure reduction on engine start-up to
Provide for optimal cold-start performance. **comply**

**BIDDER PROPOSES
TO FURNISH**

Key-type starter switch and Engine shutdown with 2 keys. comply

Driveline:

Constant output in-line Infinitely variable hydrostatic drive which can be changed under load, 40GPM @ 2800 RPM. comply

Diesel engine drives constant output hydraulic motors via two large Variable displacement pumps (with integrated pressure cut off) flanged To the transfer case. Power is transmitted to the sprocket and thus to the tracks via a planetary gear set with integrated multi-disk brakes. comply

Travel pumps: Bosch Rexroth A4VG7 or approved equal. comply, exceed

Travel Motors: Bosch Rexroth A2FM63 or approved equal. comply, exceed

Kassbohrer-Moog travel load limitation electronics shall control the interaction of the diesel engine and the hydraulics. Output and travel speeds are to be continuously variable. Comply via Prinoth TTC, electronics package

Contra-rotation of the tracks and turning on the spot shall be possible. comply

Cooling of engine, charge air and hydraulic oil via triple radiator system. comply

Radiator clutch fan-engine driven, thermostatically controlled, three step Magnetic coupler. comply

Auxiliary Hydraulics:

Bosch Rexroth A4VG56 variable displacement pump with integrated Automatic pressure cut off powers the Rexroth 2FM90 tiller motor, Or approved equals. comply

The electronic controlled tiller shaft shall have a speed of up to 1,600 rpm. comply

All high wear hydraulic hoses to be protected by tubular protection Sleeves. comply

Brakes:

Two (2) maintenance –free multi-disk brakes integrated in the driving wheels serve as a parking brake and as an emergency brake.

Exception; integrated into hydrostatic final drive system

**BIDDER PROPOSES
TO FURNISH**

Hydrostatic driveline shall enable vehicle deceleration without wear
On multi-disc brakes. **Comply, controlled through TTC**

Multi-disc brakes shall serve as an immobilizer when either the loading
Platform or when the drivers cab is raised. **Comply**

A gear-type hydraulic pump shall serve to keep the multi-disk brakes
Released during travel. The snow cat shall also be moveable without
Engine power by means of a hydraulic manual emergency over-ride
release device. **Comply**

Chassis:

Finite-element-method frame/chassis construction to be made of
high-grain steel and shall be extremely resistant to cold temperatures
and afford good weldability characteristics. **Comply**

Frame is to be conceived for the direct connection of front and rear
Attachments, with a high load capacity to also allow a suitable front
Tiller and or rear tiller to be attached. **Comply**

The center frame shall not have an auxiliary chassis frame, to lessen the
Possibility of lower snow build-up on the frame. **Comply**

The wheel bearings are to have weld-on support bearing plates. **Comply**

The driving axle and the four (4) supporting axles are to be rubber
Suspension. Five (5) axles total. **Comply, 4 axles, plus drive for
better C.O.G. and outstanding maneuverability**

The front axle is to be hydraulically adjustable and shall have foam-filled
Rubber tires. **Comply; except Solid Tires a big plus. Foam filled
could be substituted.**

The supporting axles shall have air-filled tires, with disc style wheels.

Comply

Demountable supporting frame shall house the batteries, compensating
Tank for coolant, tank filler neck and muffler. **comply**

Open loading platform, standard size 64" long x 74" wide with
Attachable tubular hoop construction side and back rails as a gallery
For the attachments of loads. **Exception, smaller cabin with smaller**

deck allows for better visibility of tiller and overall better ride and maneuverability.

**BIDDER PROPOSES
TO FURNISH**

Easily accessible hand pump to tilt open loading platform hydraulically (to the rear) for maintenance and inspection access. Comply

Mudguards to be made of cold resistant, flexible, heat-formed plastic Laminate Comply

Tracks:

3.1 Meter combined Kombi aluminum tracks are to be of a closed design And shall be equipped with edge protected, synthetic-reinforced, UV Resistant rubber belts and cast steel lacings. The mounting holes in the Rubber belts are to be fitted with spacer bushings and shall be bolted Through the spacer bushings to the track cleats. The two track ends are to Be connected to one another via overlapping track joints. Exception, tracks are joined via hinges without bushings for lighter weight.

Rear Attachment Carrier:

Shall be a one man quick mount system that positions the tiller Horizontally as required, moves it into a float position or centers it in the Middle. In the vertical direction, the tiller can also be positioned as Necessary, in the contour-guides float position or with the load removed. Comply

The down and discharge pressure of the rear hydraulics shall be Adjustable continuously by a potentiometer. The rear attachment carrier Shall be raised automatically when the vehicle is reversing. Comply

Front Attachment Carrier:

Shall have a one-man quick-mount system and the front hydraulics shall Feature a large lifting ram with electric proportional control. comply

Cab:

Two (2) seat drivers cab with deep curved windshield, large rear window And larges doors to provide a good view of attachments front and rear and The work area surroundings. The cab is to be engineered for safety with a Steel frame and shall comply with the safety requirements of ROPS Certification in accordance with DIN 30770, ON 9850. Comply EN15059

Cab is to be mounted via flexible hydro mounts at the front and sealed

Rubber cone mounts at the rear to provide spring travel with shock absorption at the stop positions on both sides to provide a comfortable ride. Cab shall be tilted hydraulically.

Comply

**BIDDER PROPOSES
TO FURNISH**

Electronically heated: Large front windshield, large rear window, left-Hand double sliding window, the front section of the right hand sliding window and the two (2) outside mirrors are to all be electrically heated. Comply

Brush guards to protect windscreen and headlamps from contact. Comply

Two stage parallel wiper system at the front (programmable); and a Double wiper at the rear with an intermittent setting. **Comply**

Wide angle rear-view mirror shall take in the entire vehicle rear width. Comply

Provide and install radio/CD player and speakers, include Blue tooth and MP3 and state in bid if available. **Comply**

Cab heater-blower with three settings for the interior, the foot well and For the defrosting the windshield and the side windows. The combined Heating and fresh air ventilation control shall have a, air extractor vent That shall be integrated in the interior lining. **Comply**

Multi-way push button adjustable, swing action air suspension driver's seat, Swing armrests. Straight forward length adjustable passenger's seat. Comply

Tilting sunroof for ventilation. Comply

Height adjustable semicircular steering wheel with integrated control Switches. **Comply or option stick controls**

Single hand joystick to control the 12-way front hydraulics from inside the cab. **Comply**

Switches and control instruments to be arranged by "function" group. Multifunction displays for calling up different information at a glance. Comply

Tiller depth gauge with up and down pressure measured through a Continuously variable potentiometer. **Comply**

Lockable cab doors with keys. **Comply**

Provide: Fire extinguisher, First Aid box, Tool set, two track tensioners And vehicle documentation. **Comply**

**BIDDER PROPOSES
TO FURNISH**

Lighting:

All lighting to be 24 Volts. Comply

Two (2) turn/tail light assemblies mounted on the rear wall of the cab. Comply

Two (2) Xenon front headlamps. Comply, LED option

Four (4) halogen front lights to provide good illumination of the terrain Ahead and to be integrated in the roof area of the drivers cab. Comply

Two (2) halogen rear spotlights to provide good illumination of the Terrain behind and to be integrated in the roof area of the drivers cab. Comply

Instrument and interior lighting with door light switch. All interior Instrumentation switches and controls to be illuminated. Comply

Two (2) rotating beacons side-mounted at the rear of the cab. Comply

“Supertone” operators controlled warning horn. Comply

Backup/reversing safety alarm. Comply

Weather tight electrical wiring and connections, protected by loom or Conduit and circuit breaker. Comply

Reflectorized sealed lights to be rubber mounted to protect from shock. Comply

Front Attachment:

3.2 – Meter; 12-way clearing blade front mounted attachment. Comply

Rear Attachment:

3.1 – Meter Track-Setting power tiller – rear mounted attachment. Comply

Dual Track-Setters. Independent with multiple position options. Comply

Quick change tiller attachment system (excluding tiller); hydraulic Adjustment for the two track setters are to be controlled from the cab. Comply

**BIDDER PROPOSES
TO FURNISH**

Dimensions:

O.A.L. 350.1", O.A.W. of 140.6", O.A.H. of 98.4" comply

Gross weight less/attachments of 8,907 lbs. Permissible gross weight
With attachments of 13,669 lbs. comply

12,269 with attachments

16,539 permissible gross weight

Ground clearance 12.6".

comply

Top transport speed of 16 mph.

exception 15mph

1.94 psi specific ground pressure with combined Kombi aluminum tracks. Comply 1.23 psi

Color to be of manufacturers standard color vehicle paint.

comply

Successful vendor shall provide training/instruction in operation and
Daily and periodical maintenance requirements. comply

Vehicle shall meet all necessary O.S.H.A., A.N.S.I. and D.O.T.
Requirements and have all necessary caution warnings as required.

comply

Two (2) each of the following manuals Parts, Service, Operators. May be
Disc (preferred) other than (1) one operators manual in vehicle.

comply

Enclose specific detailed warranty information provided on vehicle
Complete unit, powertrain, and hydraulics including who the provider is
in the local area. Attached

BID SUMMARY

TITLE: One (1) Kassbohrer Pisten Bully, PB-100 Nordic – 3.1M, Snow Cat or Approved equal

DUE DATE: Monday, June 29, 2015 at 2:00 PM

Having carefully examined the specifications and any other applicable information, the bidder proposes to furnish all items necessary for and reasonably incidental to the proper completion of this bid. Bidder submits this bid and agrees that the bid may not be withdrawn for a period of thirty (30) days from the actual date of the opening of the bid.

Bidder understands and agrees, if selected as the successful bidder, to accept a Purchase Order / Service Order / Contract from the City and to provide proof of any required insurance.

Bidder submits this bid and agrees to meet or exceed all the City of Traverse City's requirements and specifications unless otherwise indicated in writing and attached hereto.

Bid forms are to be completed, including bid sheet, and submitted. Items not meeting specifications must be noted in the "comply" column and bidder shall fully describe every variance, exception, and/or deviation. Additional sheets may be used and submitted with bid.

Bidder is also required to submit, with the bid, the latest printed manufacturer's specifications and advertising literature on the equipment (including components) to be provided. Completed unit MUST be equipped in compliance with all applicable ANSI, OSHA, State and Federal Motor Vehicle Safety standards and regulations in effect at time of manufacture.

Bidder understands that the City reserves the right to accept any or all bids in whole or in part and to waive irregularities in any bid in the best interest of the City of Traverse City. The bids will be evaluated and awarded on the basis of the best value to the city. Criteria used will include, but not be limited to, bidder/contractor's ability, qualifications, experience, type and amount of equipment, purchase price, maintenance cost(s), insurance, resale, license and permits and overall capability meeting the needs of the City of Traverse City. The City is sales tax exempt – Government.

The Bidder certifies that it is in compliance with the City's Nondiscrimination Policy as set forth in Administrative Order No. 47 and Chapter 605 of the City's Codified Ordinances.

The Bidder certifies that none of the following circumstances have occurred with respect to the Bidder, an officer of the Bidder, or an owner of a 25% or more share in the Bidder's business, within 3 years prior to the bid:

- (a) conviction of a criminal offense incident to the application for or performance of a contract;
- (b) conviction of embezzlement, theft, forgery, bribery, falsification or destruction of

records, receiving stolen property, or any other offense which currently, seriously and directly reflects on the Bidder's business integrity;

(c) conviction under state or federal antitrust statutes;

(d) attempting to influence a public employee to breach ethical conduct standards; or

(e) conviction of a criminal offense or other violation of other state, local, or federal law, as determined by a court of competent jurisdiction or an administrative proceeding, which in the opinion of the City indicates that the bidder is unable to perform responsibility or which reflects a lack of integrity that could negatively impact or reflect upon the City of Traverse City, including but not limited to, any of the following offenses or violations of:

i. The Natural Resources and Environmental Protection Act.

ii. A persistent and knowing violation of the Michigan Consumer Protection Act.

iii. Willful or persistent violations of the Michigan Occupational Health and Safety Act.

iv. A violation of federal, local, or state civil rights, equal rights, or non-discrimination laws, rules, or regulations.

v. Repeated or flagrant violations of laws related to the payment of wages and fringe benefits.

(f) the loss of a license or the right to do business or practice a profession, the loss or suspension of which indicates dishonesty, a lack of integrity, or a failure or refusal to perform in accordance with the ethical standards of the business or profession in question.

Pre-delivery Inspection: Successful bidder shall make a complete inspection of vehicle (and/or equipment) to insure it meets specifications and perform any pre-delivery service(s) required before the vehicle is delivered. Acceptance shall be subject to complete inspection and approval of the City.

Terms: Net Cash. Payment will be made as soon as possible after delivery/acceptance of vehicle/equipment. Price quoted shall include any title fee and all delivery costs to the City Garage, 625 Woodmere Ave., Traverse City, MI 49686.

Bidder certifies that as of the date of this bid, Bidder's company or Bidder is not in arrears to the City of Traverse City for debt or contract and is in no way a defaulter as provided in Section 152, Chapter XVI of the Charter of the City of Traverse City.

The City may require an in house equipment demonstration for your bid to be considered.

Bidder agrees that the bid may not be withdrawn for a period of thirty (30) days from the actual date of the opening of the bid.

Please direct ALL questions to: Dave Courtad, Garage Superintendent, City of Traverse City, at 231-922-4900, ext. 111.

Bidder - Please complete and return

BID PAGE

One (1) Kassbohrer Pisten Bully, PB-100 Nordic - 3.1M,
Snow Cat or Approved equal.

Price quoted shall include title fee, any documentation fee, and all transportation (delivery) charges fully prepaid to the City Garage, 625 Woodmere Ave. Traverse City, MI 49686

YEAR MAKE AND MODEL OF EQUIPMENT BID: Used 2015 Prinoth Husky Tier 4 Cross Country Groomer Demonstration unit Serial # HS01044 approximately 150 hours

COST OF SPECIFIED EQUIPMENT: \$ 212,000.00

EXPECTED DELIVERY DATE: 120 Days no later than November 20, 2015
(Length of time after receipt of purchase order)

Submitted by:



Signature

Bill Cox Sales Representative
Name and Title (Print)

801-430-2453 603-267-7843
Phone Fax

Prinoth, LLC
Company Name

2746 Seeber Drive
Company Address

Grand Junction, Colorado 81506
City, State, Zip

Corporation
Sole proprietorship/partnership/corporation

Colorado
If corporation, state of corporation

Addendum A

Exceptions; In all cases Prinoth, LLC offers an acceptable alternative to the specification.

Mere Cedes Benz Engine

The MTU OM 934 Tier 4 Diesel Engine exceeds Bid Requirements

Addendum B

In addition to the specifications outlined in the Request for Bid, Prinoth LLC will provide an additional year warranty coverage on the tractor and drive train. In addition, Prinoth LLC will also include Extended Engine Coverage of 2 years (total 4) or 3000 Hours (total 6000) whichever comes first.

Plus a \$2500.00 Spare Parts Credit

The following is a minimum specification intended to provide for one (1) New Snow Grooming machine. This is NOT a brand name specification. When using the brand name it shall be construed solely for the purpose of indicating the standards of quality, performance use and size of our desired piece of equipment. All vendors are encouraged to submit bids for their equipment provide it is of same or better quality and performance please list the Year, Manufacturer, and Model in the provided area of the bid, and provide descriptive literature with your bid.

Manufacturer, Model and year of proposed Groomer Tractor: 2015 Prinoth Husky Cross Country Snow Groomer

BIDDER PROPOSES TO FURNISH

Engine:

Mercedes-Benz OM 924 LA; TIER 3, four cylinder inline diesel Engine with turbo charger, charge air intercooling, and electronically Controlled pump-nozzle injection. **Exception; Tier 4 MTU**

OM934 *AD. A.*

4820 cc (292 cubic inch) 197 HP, Diesel Engine. Maximum torque of 705 Nm at 1,200 to 1,600 RPM. **Exception 228 HP Max Torque 900Nm @ 1200-1600 RPM**

AD. A.

Pressurized Lubrication system with Canister Filter; Open breathing Crankcase Ventilation. **comply**

Heavy duty centrifugal air cleaner with replaceable paper changeable Element and status meter. **comply**

Canister fuel filter with pre-filter.

Comply

USFS approved spark arrester muffler, residential rated preferred.

Comply

40 Gallon Diesel fuel tank.

Comply

24 volt electrical system. 100 amp/28 volt Alternator, 2x12volt 92 Ah High capacity cranking batteries. (760 Amp.) . **Exception 680 CCA**

Cold Start assist: Intake Grid Heater.

Comply

Coolant pre-heater 110 V / 1,000 Watt.

Comply

Electrically controlled feed pressure reduction on engine start-up to
Provide for optimal cold-start performance.

comply

**BIDDER PROPOSES
TO FURNISH**

Key-type starter switch and Engine shutdown with 2 keys. comply

Driveline:

Constant output in-line Infinitely variable hydrostatic drive which can be changed under load, 40GPM @ 2800 RPM. comply

Diesel engine drives constant output hydraulic motors via two large Variable displacement pumps (with integrated pressure cut off) flanged To the transfer case. Power is transmitted to the sprocket and thus to the tracks via a planetary gear set with integrated multi-disk brakes. comply

Travel pumps: Bosch Rexroth A4VG7 or approved equal. comply, exceed

Travel Motors: Bosch Rexroth A2FM63 or approved equal. comply, exceed

Kassbohrer-Moog travel load limitation electronics shall control the interaction of the diesel engine and the hydraulics. Output and travel speeds are to be continuously variable. Comply via Prinoth TTC, electronics package

Contra-rotation of the tracks and turning on the spot shall be possible. comply

Cooling of engine, charge air and hydraulic oil via triple radiator system. comply

Radiator clutch fan-engine driven, thermostatically controlled, three step Magnetic coupler. comply

Auxiliary Hydraulics:

Bosch Rexroth A4VG56 variable displacement pump with integrated Automatic pressure cut off powers the Rexroth 2FM90 tiller motor, Or approved equals. comply

The electronic controlled tiller shaft shall have a speed of up to 1,600 rpm. comply

All high wear hydraulic hoses to be protected by tubular protection Sleeves. comply

Brakes:

Two (2) maintenance –free multi-disk brakes integrated in the driving wheels serve as a parking brake and as an emergency brake.

Exception; integrated into hydrostatic final drive system



**BIDDER PROPOSES
TO FURNISH**

Hydrostatic driveline shall enable vehicle deceleration without wear
On multi-disc brakes. **Comply, controlled through TTC**

Multi-disc brakes shall serve as an immobilizer when either the loading
Platform or when the drivers cab is raised. **Comply**

A gear-type hydraulic pump shall serve to keep the multi-disk brakes
Released during travel. The snow cat shall also be moveable without
Engine power by means of a hydraulic manual emergency over-ride
release device. **Comply**

Chassis:

Finite-element-method frame/chassis construction to be made of
high-grain steel and shall be extremely resistant to cold temperatures
and afford good weldability characteristics. **Comply**

Frame is to be conceived for the direct connection of front and rear
Attachments, with a high load capacity to also allow a suitable front
Tiller and or rear tiller to be attached. **Comply**

The center frame shall not have an auxiliary chassis frame, to lessen the
Possibility of lower snow build-up on the frame. **Comply**

The wheel bearings are to have weld-on support bearing plates. **Comply**

The driving axle and the four (4) supporting axles are to be rubber
Suspension. Five (5) axles total. **Comply, 4 axles, plus drive for
better C.O.G. and outstanding maneuverability**

The front axle is to be hydraulically adjustable and shall have foam-filled
Rubber tires. **Comply; except Solid Tires a big plus. Foam filled
could be substituted.**

The supporting axles shall have air-filled tires, with disc style wheels.

Comply

Demountable supporting frame shall house the batteries, compensating
Tank for coolant, tank filler neck and muffler. **comply**

Open loading platform, standard size 64" long x 74" wide with
Attachable tubular hoop construction side and back rails as a gallery
For the attachments of loads. **Exception, smaller cabin allows for a**

smaller deck allows for better visibility of tiller and overall better rider and maneuverability.

**BIDDER PROPOSES
TO FURNISH**

Easily accessible hand pump to tilt open loading platform hydraulically (to the rear) for maintenance and inspection access. Comply

Mudguards to be made of cold resistant, flexible, heat-formed plastic Laminate Comply

Tracks:

3.1 Meter combined Kombi aluminum tracks are to be of a closed design And shall be equipped with edge protected, synthetic-reinforced, UV Resistant rubber belts and cast steel lacings. The mounting holes in the Rubber belts are to be fitted with spacer bushings and shall be bolted Through the spacer bushings to the track cleats. The two track ends are to Be connected to one another via overlapping track joints. Exception, tracks are joined via hinges without bushings for lighter weight

Rear Attachment Carrier:

Shall be a one man quick mount system that positions the tiller Horizontally as required, moves it into a float position or centers it in the Middle. In the vertical direction, the tiller can also be positioned as Necessary, in the contour-guides float position or with the load removed. Comply

The down and discharge pressure of the rear hydraulics shall be Adjustable continuously by a potentiometer. The rear attachment carrier Shall be raised automatically when the vehicle is reversing. Comply

Front Attachment Carrier:

Shall have a one-man quick-mount system and the front hydraulics shall Feature a large lifting ram with electric proportional control. comply

Cab:

Two (2) seat drivers cab with deep curved windshield, large rear window And larges doors to provide a good view of attachments front and rear and The work area surroundings. The cab is to be engineered for safety with a Steel frame and shall comply with the safety requirements of ROPS Certification in accordance with DIN 30770, ON 9850. Comply EN15059

Cab is to be mounted via flexible hydro mounts at the front and sealed

Rubber cone mounts at the rear to provide spring travel with shock absorption at the stop positions on both sides to provide a comfortable ride. Cab shall be tilted hydraulically.

Comply

**BIDDER PROPOSES
TO FURNISH**

Electronically heated: Large front windshield, large rear window, left-
Hand double sliding window, the front section of the right hand sliding
window and the two (2) outside mirrors are to all be electrically heated. Comply

Brush guards to protect windscreen and headlamps from contact. Comply

Two stage parallel wiper system at the front (programmable); and a
Double wiper at the rear with an intermittent setting. Comply

Wide angle rear-view mirror shall take in the entire vehicle rear width. Comply

Provide and install radio/CD player and speakers, include Blue tooth and
MP3 and state in bid if available. Comply

Cab heater-blower with three settings for the interior, the foot well and
For the defrosting the windshield and the side windows. The combined
Heating and fresh air ventilation control shall have a, air extractor vent
That shall be integrated in the interior lining. Comply

Multi-way push button adjustable, swing action air suspension driver's
seat, Swing armrests. Straight forward length adjustable passenger's seat. Comply

Tilting sunroof for ventilation. Comply

Height adjustable semicircular steering wheel with integrated control
Switches.
Comply or optional stick controls

Single hand joystick to control the 12-way front hydraulics from inside
the cab. Comply

Switches and control instruments to be arranged by "function" group.
Multifunction displays for calling up different information at a glance. Comply

Tiller depth gauge with up and down pressure measured through a
Continuously variable potentiometer. Comply

Lockable cab doors with keys. Comply

Provide: Fire extinguisher, First Aid box, Tool set, two track tensioners
And vehicle documentation. Comply

**BIDDER PROPOSES
TO FURNISH**

Lighting:

All lighting to be 24 Volts. Comply

Two (2) turn/tail light assemblies mounted on the rear wall of the cab. Comply

Two (2) Xenon front headlamps. **Comply, LED option**

Four (4) halogen front lights to provide good illumination of the terrain Ahead and to be integrated in the roof area of the drivers cab. **Comply**

Two (2) halogen rear spotlights to provide good illumination of the Terrain behind and to be integrated in the roof area of the drivers cab. Comply

Instrument and interior lighting with door light switch. All interior Instrumentation switches and controls to be illuminated. **Comply**

Two (2) rotating beacons side-mounted at the rear of the cab. Comply

“Supertone” operators controlled warning horn. Comply

Backup/reversing safety alarm. Comply

Weather tight electrical wiring and connections, protected by loom or Conduit and circuit breaker. **Comply**

Reflectorized sealed lights to be rubber mounted to protect from shock. Comply

Front Attachment:

3.2 – Meter; 12-way clearing blade front mounted attachment. Comply

Rear Attachment:

3.1 – Meter Track-Setting power tiller – rear mounted attachment. Comply

Dual Track-Setters. Independent with multiple position options. Comply

Quick change tiller attachment system (excluding tiller); hydraulic Adjustment for the two track setters are to be controlled from the cab. Comply

**BIDDER PROPOSES
TO FURNISH**

Dimensions:

O.A.L. 350.1", O.A.W. of 140.6", O.A.H. of 98.4" comply _____

Gross weight less/attachments of 8,907 lbs. Permissible gross weight
With attachments of 13,669 lbs. comply
12,269 with attachments
16,539 permissible gross weight _____

Ground clearance 12.6". Exception 9 1/2 " _____

Top transport speed of 16 mph. exception 15mph _____

1.94 psi specific ground pressure with combined Kombi aluminum tracks. Comply 1.23 psi _____

Color to be of manufacturers standard color vehicle paint. comply _____

Successful vendor shall provide training/instruction in operation and
Daily and periodical maintenance requirements. comply _____

Vehicle shall meet all necessary O.S.H.A., A.N.S.I. and D.O.T.
Requirements and have all necessary caution warnings as required. comply _____

Two (2) each of the following manuals Parts, Service, Operators. May be
Disc (preferred) other than (1) one operators manual in vehicle. comply _____

Enclose specific detailed warranty information provided on vehicle
Complete unit, powertrain, and hydraulics including who the provider is
in the local area. Attached _____

BID SUMMARY

TITLE: One (1) Kassbohrer Pisten Bully, PB-100 Nordic – 3.1M, Snow Cat or Approved equal

DUE DATE: Monday, June 29, 2015 at 2:00 PM

Having carefully examined the specifications and any other applicable information, the bidder proposes to furnish all items necessary for and reasonably incidental to the proper completion of this bid. Bidder submits this bid and agrees that the bid may not be withdrawn for a period of thirty (30) days from the actual date of the opening of the bid.

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The Bidder certifies that it is in compliance with the City's Nondiscrimination Policy as set forth in Administrative Order No. 47 and Chapter 605 of the City's Codified Ordinances.

The Bidder certifies that none of the following circumstances have occurred with respect to the Bidder, an officer of the Bidder, or an owner of a 25% or more share in the Bidder's business, within 3 years prior to the bid:

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i. The Natural Resources and Environmental Protection Act.

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Please direct ALL questions to: Dave Courtad, Garage Superintendent, City of Traverse City, at 231-922-4900, ext. 111.

Bidder - Please complete and return

BID PAGE

One (1) Kassbohrer Pisten Bully, PB-100 Nordic - 3.1M,
Snow Cat or Approved equal.

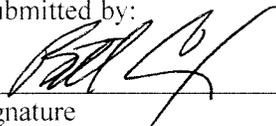
Price quoted shall include title fee, any documentation fee, and all transportation (delivery) charges fully prepaid to the City Garage, 625 Woodmere Ave. Traverse City, MI 49686

YEAR MAKE AND MODEL OF EQUIPMENT BID: 2015 Prinoth Husky Tier 4 Cross Country Groomer

COST OF SPECIFIED EQUIPMENT: \$ 230,000.00

EXPECTED DELIVERY DATE: 120 Days no later than November 20, 2015
(Length of time after receipt of purchase order)

Submitted by:



Signature

Bill Cox Sales Representative

Name and Title (Print)

801-430-2453 603-267-7843

Phone Fax

Prinoth, LLC

Company Name

2746 Seeber Drive

Company Address

Grand Junction, Colorado 81506

City, State, Zip

Corporation

Sole proprietorship/partnership/corporation

Colorado

If corporation, state of corporation

Addendum A

Exceptions; In all cases Prinoth, LLC offers an acceptable alternative to the specification.

Mere Cedes Benz Engine

The MTU OM 934 Tier 4 Diesel Engine exceeds Bid Requirements

Addendum B

In addition to the specifications outlined in the Request for Bid, Prinoth LLC will provide an additional year warranty coverage on the tractor and drive train. In addition, Prinoth LLC will also include Extended Engine Coverage of 2 years (total 4) or 3000 Hours (total 6000) whichever comes first.

Plus a \$2500.00 Spare Parts Credit

The following is a minimum specification intended to provide for one (1) New Snow Grooming machine. This is NOT a brand name specification. When using the brand name it shall be construed solely for the purpose of indicating the standards of quality, performance use and size of our desired piece of equipment. All vendors are encouraged to submit bids for their equipment provide it is of same or better quality and performance please list the Year, Manufacturer, and Model in the provided area of the bid, and provide descriptive literature with your bid.

Manufacturer, Model and year of proposed Groomer Tractor: 2015 KASSBOHRER

PISTEN BULLY 100 3.1 METER NORDIC

	BIDDER PROPOSES TO FURNISH
Engine:	
Mercedes-Benz OM 924 LA; TIER 3, four cylinder inline diesel Engine with turbo charger, charge air intercooling, and electronically Controlled pump-nozzle injection.	<u>COMPLY</u>
4820 cc (292 cubic inch) 197 HP, Diesel Engine. Maximum torque of 705 Nm at 1,200 to 1,600 RPM.	<u>COMPLY</u>
Pressurized Lubrication system with Canister Filter; Open breathing Crankcase Ventilation.	<u>COMPLY</u>
Heavy duty centrifugal air cleaner with replaceable paper changeable Element and status meter.	<u>COMPLY</u>
Canister fuel filter with pre-filter.	<u>COMPLY</u>
USFS approved spark arrester muffler, residential rated preferred.	<u>COMPLY</u>
40 Gallon Diesel fuel tank.	<u>39 GALLON FUEL TANK</u>
24 volt electrical system. 100 amp/28 volt Alternator, 2x12volt 92 Ah High capacity cranking batteries. (760 Amp.) .	<u>COMPLY</u>
Cold Start assist: Intake Grid Heater.	<u>COMPLY</u>
Coolant pre-heater 110 V / 1,000 Watt.	<u>COMPLY</u>
Electrically controlled feed pressure reduction on engine start-up to Provide for optimal cold-start performance.	<u>COMPLY</u>

**BIDDER PROPOSES
TO FURNISH**

Key-type starter switch and Engine shutdown with 2 keys. COMPLY

Driveline:

Constant output in-line Infinitely variable hydrostatic drive which can be changed under load, 40GPM @ 2800 RPM. COMPLY

Diesel engine drives constant output hydraulic motors via two large Variable displacement pumps (with integrated pressure cut off) flanged To the transfer case. Power is transmitted to the sprocket and thus to the tracks via a planetary gear set with integrated multi-disk brakes. COMPLY

Travel pumps: Bosch Rexroth A4VG7 or approved equal. COMPLY

Travel Motors: Bosch Rexroth A2FM63 or approved equal. COMPLY

Kassbohrer-Moog travel load limitation electronics shall control the interaction of the diesel engine and the hydraulics. Output and travel speeds are to be continuously variable. COMPLY

Contra-rotation of the tracks and turning on the spot shall be possible. COMPLY

Cooling of engine, charge air and hydraulic oil via triple radiator system. COMPLY

Radiator clutch fan-engine driven, thermostatically controlled, three step Magnetic coupler. COMPLY

Auxiliary Hydraulics:

Bosch Rexroth A4VG56 variable displacement pump with integrated Automatic pressure cut off powers the Rexroth 2FM90 tiller motor, Or approved equals. COMPLY

The electronic controlled tiller shaft shall have a speed of up to 1,600 rpm. COMPLY

All high wear hydraulic hoses to be protected by tubular protection Sleeves. COMPLY

Brakes:

Two (2) maintenance –free multi-disk brakes integrated in the driving wheels serve as a parking brake and as an emergency brake. COMPLY

**BIDDER PROPOSES
TO FURNISH**

Hydrostatic driveline shall enable vehicle deceleration without wear
On multi-disc brakes.

COMPLY

Multi-disc brakes shall serve as an immobilizer when either the loading
Platform or when the drivers cab is raised.

COMPLY

A gear-type hydraulic pump shall serve to keep the multi-disk brakes
Released during travel. The snow cat shall also be moveable without
Engine power by means of a hydraulic manual emergency over-ride
release device.

COMPLY

Chassis:

Finite-element-method frame/chassis construction to be made of
high-grain steel and shall be extremely resistant to cold temperatures
and afford good weldability characteristics.

COMPLY

Frame is to be conceived for the direct connection of front and rear
Attachments, with a high load capacity to also allow a suitable front
Tiller and or rear tiller to be attached.

COMPLY

The center frame shall not have an auxiliary chassis frame, to lessen the
Possibility of lower snow build-up on the frame.

COMPLY

The wheel bearings are to have weld-on support bearing plates.

COMPLY

The driving axle and the four (4) supporting axles are to be rubber
Suspension. Five (5) axles total.

COMPLY

The front axle is to be hydraulically adjustable and shall have foam-filled
Rubber tires.

SOLID RUBBER

The supporting axles shall have air-filled tires, with disc style wheels.

COMPLY

Demountable supporting frame shall house the batteries, compensating
Tank for coolant, tank filler neck and muffler.

COMPLY

Open loading platform, standard size 64" long x 74" wide with
Attachable tubular hoop construction side and back rails as a gallery
For the attachments of loads.

COMPLY

**BIDDER PROPOSES
TO FURNISH**

Easily accessible hand pump to tilt open loading platform hydraulically (to the rear) for maintenance and inspection access.

COMPLY

Mudguards to be made of cold resistant, flexible, heat-formed plastic Laminate

COMPLY

Tracks:

3.1 Meter combined Kombi aluminum tracks are to be of a closed design And shall be equipped with edge protected, synthetic-reinforced, UV Resistant rubber belts and cast steel lacings. The mounting holes in the Rubber belts are to be fitted with spacer bushings and shall be bolted Through the spacer bushings to the track cleats. The two track ends are to Be connected to one another via overlapping track joints.

COMPLY

Rear Attachment Carrier:

Shall be a one man quick mount system that positions the tiller Horizontally as required, moves it into a float position or centers it in the Middle. In the vertical direction, the tiller can also be positioned as Necessary, in the contour-guides float position or with the load removed.

COMPLY

The down and discharge pressure of the rear hydraulics shall be Adjustable continuously by a potentiometer. The rear attachment carrier Shall be raised automatically when the vehicle is reversing.

COMPLY

Front Attachment Carrier:

Shall have a one-man quick-mount system and the front hydraulics shall Feature a large lifting ram with electric proportional control.

COMPLY

Cab:

Two (2) seat drivers cab with deep curved windshield, large rear window And larges doors to provide a good view of attachments front and rear and The work area surroundings. The cab is to be engineered for safety with a Steel frame and shall comply with the safety requirements of ROPS Certification in accordance with DIN 30770, ON 9850.

COMPLY

Cab is to be mounted via flexible hydro mounts at the front and sealed Rubber cone mounts at the rear to provide spring travel with shock absorption at the stop positions on both sides to provide a comfortable ride. Cab shall be tilted hydraulically.

COMPLY

**BIDDER PROPOSES
TO FURNISH**

Electronically heated: Large front windshield, large rear window, left-Hand double sliding window, the front section of the right hand sliding window and the two (2) outside mirrors are to all be electrically heated.

COMPLY

Brush guards to protect windscreen and headlamps from contact.

COMPLY

Two stage parallel wiper system at the front (programmable); and a Double wiper at the rear with an intermittent setting.

COMPLY

Wide angle rear-view mirror shall take in the entire vehicle rear width.

COMPLY

Provide and install radio/CD player and speakers, include Blue tooth and MP3 and state in bid if available.

COMPLY

Cab heater-blower with three settings for the interior, the foot well and For the defrosting the windshield and the side windows. The combined Heating and fresh air ventilation control shall have a, air extractor vent That shall be integrated in the interior lining.

COMPLY

Multi-way push button adjustable, swing action air suspension driver's seat, Swing armrests. Straight forward length adjustable passenger's seat.

COMPLY

Tilting sunroof for ventilation.

COMPLY

Height adjustable semicircular steering wheel with integrated control Switches.

COMPLY

Single hand joystick to control the 12-way front hydraulics from inside the cab.

COMPLY

Switches and control instruments to be arranged by "function" group. Multifunction displays for calling up different information at a glance.

COMPLY

Tiller depth gauge with up and down pressure measured through a Continuously variable potentiometer.

COMPLY

Lockable cab doors with keys.

COMPLY

Provide: Fire extinguisher, First Aid box, Tool set, two track tensioners And vehicle documentation.

COMPLY

**BIDDER PROPOSES
TO FURNISH**

Lighting:

All lighting to be 24 Volts.	<u>COMPLY</u>
Two (2) turn/tail light assemblies mounted on the rear wall of the cab.	<u>COMPLY</u>
Two (2) Xenon front headlamps.	<u>COMPLY</u>
Four (4) halogen front lights to provide good illumination of the terrain Ahead and to be integrated in the roof area of the drivers cab.	<u>COMPLY</u>
Two (2) halogen rear spotlights to provide good illumination of the Terrain behind and to be integrated in the roof area of the drivers cab.	<u>COMPLY</u>
Instrument and interior lighting with door light switch. All interior Instrumentation switches and controls to be illuminated.	<u>COMPLY</u>
Two (2) rotating beacons side-mounted at the rear of the cab.	<u>COMPLY</u>
“Supertone” operators controlled warning horn.	<u>COMPLY</u>
Backup/reversing safety alarm.	<u>COMPLY</u>
Weather tight electrical wiring and connections, protected by loom or Conduit and circuit breaker.	<u>COMPLY</u>
Reflectorized sealed lights to be rubber mounted to protect from shock.	<u>COMPLY</u>
Front Attachment:	
3.2 – Meter; 12-way clearing blade front mounted attachment.	<u>COMPLY</u>
Rear Attachment:	
3.1 – Meter Track-Setting power tiller – rear mounted attachment.	<u>COMPLY</u>
Dual Track-Setters. Independent with multiple position options.	<u>COMPLY</u>
Quick change tiller attachment system (excluding tiller); hydraulic Adjustment for the two track setters are to be controlled from the cab.	<u>COMPLY</u>

**BIDDER PROPOSES
TO FURNISH**

Dimensions:

O.A.L. 350.1", O.A.W. of 140.6", O.A.H. of 98.4" COMPLY

Gross weight less/attachments of 8,907 lbs. Permissible gross weight
With attachments of 13,669 lbs. COMPLY

Ground clearance 12.6". COMPLY

Top transport speed of 16 mph. COMPLY

0.94 psi specific ground pressure with combined Kombi aluminum tracks. COMPLY

Color to be of manufacturers standard color vehicle paint. COMPLY

Successful vendor shall provide training/instruction in operation and
Daily and periodical maintenance requirements. COMPLY

Vehicle shall meet all necessary O.S.H.A., A.N.S.I. and D.O.T.
Requirements and have all necessary caution warnings as required. COMPLY

Two (2) each of the following manuals Parts, Service, Operators. May be
Disc (preferred) other than (1) one operators manual in vehicle. COMPLY

Enclose specific detailed warranty information provided on vehicle
Complete unit, powertrain, and hydraulics including who the provider is
in the local area. COMPLY

BID SUMMARY

TITLE: One (1) Kassbohrer Pisten Bully, PB-100 Nordic – 3.1M, Snow Cat or Approved equal

DUE DATE: Monday, June 29, 2015 at 2:00 PM

Having carefully examined the specifications and any other applicable information, the bidder proposes to furnish all items necessary for and reasonably incidental to the proper completion of this bid. Bidder submits this bid and agrees that the bid may not be withdrawn for a period of thirty (30) days from the actual date of the opening of the bid.

Bidder understands and agrees, if selected as the successful bidder, to accept a Purchase Order / Service Order / Contract from the City and to provide proof of any required insurance.

Bidder submits this bid and agrees to meet or exceed all the City of Traverse City's requirements and specifications unless otherwise indicated in writing and attached hereto.

Bid forms are to be completed, including bid sheet, and submitted. Items not meeting specifications must be noted in the "comply" column and bidder shall fully describe every variance, exception, and/or deviation. Additional sheets may be used and submitted with bid.

Bidder is also required to submit, with the bid, the latest printed manufacturer's specifications and advertising literature on the equipment (including components) to be provided. Completed unit **MUST** be equipped in compliance with all applicable ANSI, OSHA, State and Federal Motor Vehicle Safety standards and regulations in effect at time of manufacture.

Bidder understands that the City reserves the right to accept any or all bids in whole or in part and to waive irregularities in any bid in the best interest of the City of Traverse City. The bids will be evaluated and awarded on the basis of the best value to the city. Criteria used will include, but not be limited to, bidder/contractor's ability, qualifications, experience, type and amount of equipment, purchase price, maintenance cost(s), insurance, resale, license and permits and overall capability meeting the needs of the City of Traverse City. The City is sales tax exempt – Government.

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YEAR MAKE AND MODEL OF EQUIPMENT BID: 2015 KASSBOHRER PISTEN

BULLY 100 NORDIC 3.1 METER

COST OF SPECIFIED EQUIPMENT: \$ 194,100

EXPECTED DELIVERY DATE: BY NOVEMBER 1, 2015
(Length of time after receipt of purchase order)

Submitted by:


Signature

PAUL SCANLON / REGIONAL SALES
Name and Title (Print)

952-345-3330 952-345-3331
Phone Fax

KASSBOHRER ALL TERRAIN
VEHICLES, INC.

Company Name
3045 4TH AVENUE EAST
Company Address

SHAKOPEE, MN 55379
City, State, Zip

CORPORATION
Sole proprietorship/partnership/corporation

MAINE
If corporation, state of corporation