BOARD OF COMMISSIONERS
SARPY COUNTY, NEBRASKA

RESOLUTION AWARDING BID FOR ONE (1) 12" DISC STYLE BRUSH CHIPPER FOR THE PUBLIC WORKS DEPARTMENT

WHEREAS, pursuant to Neb. Rev. Stat. §23-104(6), the County has the power to do all acts in relation to the concerns of the County necessary to the exercise of its corporate powers; and,

WHEREAS, pursuant to Neb. Rev. Stat.§23-103, the powers of the County as a body are exercised by the County Board; and,

WHEREAS, bids for the 12" disc style brush chipper have been solicited, made, opened and reviewed pursuant to applicable Nebraska State Statutes; and,

WHEREAS, based on those proceedings this Board has duly deliberated and considered the bids received; and,

WHEREAS, this Board desires to proceed forthwith in order to expedite and facilitate service to the citizens of Sarpy County.

NOW, THEREFORE, BE IT RESOLVED BY THIS BOARD OF COUNTY COMMISSIONERS THAT:

(1) Based upon the recommendation of the Purchasing Department, and upon a comparison of the bids to the bid specifications, the bid is hereby awarded to the low bidder Vermeer High Plains for One (1) 12" Disc Style Brush Chipper including trade in option in the amount of Twenty Three Thousand Six Hundred Dollars and No Cents ($23,600.00) is accepted, ratified, and confirmed.

(2) Based upon the recommendation of the Purchasing Department and in accordance to County Policy, the 1997 Vermeer 1250C, Serial # 1VRC14138V1006155 is declared to be surplus property and the Purchasing Department is hereby authorized to dispose of the equipment in the best interest of Sarpy County.

(3) This Board’s Chairman, Clerk, and Attorney are hereby authorized and directed to execute such ancillary documents as may be required to evidence the contract and take any and all steps necessary or required in order to carry out the terms of such contract after said documents have been reviewed by the Attorney, Fiscal Administrator, and County Administrator.

The above resolution was approved by a vote of the Sarpy County Board of Commissioners at a public meeting duly held in accordance with applicable law on the 23rd day of February, 2016.

Sarpy County Board Chairman

ATTEST:

Sarpy County Clerk

SEAL
MEMO

To: Sarpy County Board of Commissioners

From: Beth Garber

Re: Award Bid – Chipper

On February 4, 2016, four (4) bids were opened for One (1) 12” Disc Style Brush Chipper for the Public Works Department. After reviewing the bids and contacting references, it is recommended the bid be awarded to the low bid with trade in, Vermeer, for $23,600. Public Works has reviewed the trade in option and feels $12,000 option is a fair value.

Please feel free to contact me at bgarber@sarpy.com with any questions.

February 17, 2016

Beth Garber

cc: Deb Houghtaling
Mark Wayne
Scott Bovick
Brian Hanson
Rich Weber
George Funderburk
<table>
<thead>
<tr>
<th></th>
<th>Midwest Underground</th>
<th>Altec Industries Inc.</th>
<th>Vermeer</th>
<th>Ditch Witch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unit Price</strong></td>
<td>$37,988.00</td>
<td>$24,800.00</td>
<td>$35,600.00</td>
<td>$31,716.00</td>
</tr>
<tr>
<td><strong>Unit Price with Trade In</strong></td>
<td>$29,900.00</td>
<td>No Trade In</td>
<td>$23,600.00</td>
<td>$27,716.00</td>
</tr>
<tr>
<td><strong>Make</strong></td>
<td>Morbark</td>
<td>Altec</td>
<td>Vermeer</td>
<td>Bandit</td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td>M12D</td>
<td>DC1317</td>
<td>BC1000XL</td>
<td>200XP</td>
</tr>
<tr>
<td><strong>Delivery Date</strong></td>
<td>40-60 Days</td>
<td>60 Days</td>
<td>60-75 Days</td>
<td>60-90 Days</td>
</tr>
</tbody>
</table>

Bid Opening:
2:00 P.M., Thursday, February 4, 2016
To: Beth Garber  
From: George Funderburk  
Ref: Brush Chipper Bid

Date: February 12, 2016

After reviewing the 4 bids with the review committee and speaking with local references, I would recommend that we purchase the low bid from Vermeer for 1 (one) Brush chipper Model BC1000XL with trade in for a total price of $23,600.00.

Any questions please give me a call.

CC: Rich Weber
Beth Garber

From: Rich Weber
Sent: Friday, February 12, 2016 9:43 AM
To: Beth Garber
Cc: Denny Wilson; Rod Ripley; George Funderburk; Dannielle Giese
Subject: Brush Chipper Bid Recommendation

Beth,

After reviewing the 4 bids with the rest of the review committee. And after talking to the local references that have Vermeer Chippers. I would like to recommend that we accept the low bid with trade from Vermeer for the total price of $23,600.

If you have any questions please give me a call.

Thanks,
Rich

Rich Weber
Street Operations Manager
Sarpy County Public Works
15100 so 84th st
Papillion Ne, 68046-4627
Office 402-537-6912
AGREEMENT

This Agreement is entered into by and between the County of Sarpy, in the State of Nebraska, a body politic and corporate, and hereinafter “County”, and Vermeer High Plains, hereinafter “Vendor”.

WHEREAS, County is desirous of contracting for One (1) 12” Disc Style Brush Chipper for the Public Works Department; and,

WHEREAS, the Vendor has been awarded this Agreement as a result of the bid made by Vendor in response to the Specifications and Request for Proposals prepared by County;

NOW, THEREFORE, for and in consideration of the declarations and mutual promises and covenants contained herein, the County and Vendor agree as follows:

I. DUTIES OF VENDOR

A. Services to be rendered by Vendor under this Agreement shall be all those services necessary and proper for the installation and materials for One (1) Disc Style Brush Chipper in conformity with each and every term, condition, specification, and requirements of the Bid Specifications and the Bid submitted by the Vendor.

B. All provisions of each document and item referred to in Paragraph A above shall be strictly complied with the same as if rewritten herein, and in the event of conflict among the provisions of said documents, the provisions most favorable to the County shall govern.

C. Prior to the commencement of any work, Vendor will place on file with the Sarpy County Clerk, the required certificates of insurance, if applicable.

D. The Vendor agrees to comply with the residency verification requirements of Neb. Rev. Stat. §4-108 through §4-114. The Vendor is required and hereby agrees to use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska. A federal immigration verification system means the electronic verification of the work authorization program authorized by the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, 8 U.S.C. 1324a, known as the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee.

If the Vendor is an individual or sole proprietorship, the following applies:
1. The Vendor must complete the United States Citizenship Attestation Form, available on the Department of Administrative Services website at www.das.state.ne.us.

2. If the Vendor indicates on such attestation form that he or she is a qualified alien, the Vendor agrees to provide the U.S. Citizenship and Immigration Services documentation required to verify the Vendor's lawful presence in the United States using the Systematic Alien Verification for Entitlements (SAVE) Program.

3. The Vendor understands and agrees that lawful presence in the United States is required and the Vendor may be disqualified or the contract terminated if such lawful presence cannot be verified as required by Neb. Rev. Stat. Sect. 4-108.

E. Vendor will submit an invoice to County for work completed based on the amounts specified in Vendor's bid. Such invoices shall be submitted to:

   Sarpy County Fleet Services  
   Sarpy County Courthouse  
   1210 Golden Gate Drive  
   Papillion, NE 68046

F. The County and Vendor hereto specifically acknowledge, stipulate and agree that each and every term of the Bid Specifications and the Vendor's bid constitutes an essential term of this Agreement, and that, therefore, any violation of any term, condition, provision, or requirement constitutes a material breach hereunder, for which County shall have every right under the law to terminate this Agreement, and obtain any and all relief necessary.

II. DUTIES OF COUNTY

In return for full, faithful and diligent rendering of services set forth above, County agrees to pay to Vendor the amount specified in Vendor's bid upon submission of the required invoice and satisfactory completion of all required work.

III. BREACH

Should Vendor breach, violate, or abrogate any term, condition, clause or provision of this agreement, the County shall notify Vendor in writing that such an action has occurred. If satisfactory provision does not occur within ten (10) days from such written notice, the County may, at its option, terminate this agreement and obtain an alternate provider to provide all required materials. This provision shall not preclude the pursuit of other remedies for breach of contract as allowed by law.
IV. SAVINGS CLAUSE

This Agreement shall be interpreted, construed and enforced under the laws of the State of Nebraska. It is understood and agreed by the County and Vendor hereto that if any part, term, condition, or provision of this Agreement is held to be illegal or in conflict with any law of the State of Nebraska or of the United States, the validity of the remaining parts, terms, conditions, or provisions shall not be affected, and the rights and obligations of the County and Vendor shall be construed and enforced as if the Agreement did not contain the particular part, term, condition, or provision held to be invalid.

V. SCOPE OF AGREEMENT

This Agreement, along with the Bid Specifications, and Bid by Vendor contains the entire Agreement between the County and Vendor, and there are no other written or oral promises, contracts or warrants which may affect it. This Agreement cannot be amended except by written agreement of both the County and Vendor. Notice to the County and Vendor shall be given in writing to the agents for each party named below:

County: Ms. Debra Houghtaling
Clerk of Sarpy County
1210 Golden Gate Drive, Suite 1250
Papillion, NE 68046

Vendor: Vermeer High Plains
Steve Bunda
5700 N. 70th Street
Lincoln, NE 68507
402-467-5396
IN WITNESS WHEREOF, we the contracting parties, by our respective and duly authorized agents, hereto affix our signatures and seals in duplicate this 23rd day of February, 2016.

COUNTY OF SARPY, NEBRASKA,
A body Politic and Corporate

[Signature]
Chairperson
Sarpy County Board of Commissioners

Vendor: Vermeer High Plains

By: [Signature]
Title: President

Approved As To Form:

[Signature]
Deputy County Attorney

ATTEST:

[Signature]
Sarpy County Clerk
Addendum #1

One (1) 12" Disc Style Brush Chipper
For the
Public Works Department

Question #1: Will Sarpy County allow a vendor to bid a 12" and 15" drum style chipper instead of the specified 12" disc style chipper?

Response: Sarpy County has specified a disc style chipper. The specifications remain unchanged. Vendors may bid an exception on the Exceptions/clarifications/comments section. Exceptions will be taken into consideration when awarding the bid.

All other terms and conditions remain unchanged.
Vendor must acknowledge Addendum on Bid Form.
REQUEST FOR PROPOSALS

One (1) 12" Disc Style Brush Chipper
For
Sarpy County
Public Works Department

PROPOSALS DUE:
2:00 p.m., Thursday, February 4, 2016
Notice to Vendors

Sarpy County is seeking proposals for One (1) 12" Disc Style Brush Chipper for the Public Works Department. The successful Vendor will enter into a Contract that incorporates both the RFP along with the submitted proposal.

Sealed bids will be received Monday through Friday 8:00 a.m. to 4:45 p.m. except holidays, until 2:00 p.m., Thursday, February 4, 2016. Bids shall be in a sealed envelope, clearly marked "Sealed Bid – One (1) 12" Disc Style Brush Chipper" and shall have the name of the Vendor, and the time and date of the bid opening. Do not fax bids, only sealed bids will be accepted.

Requests for information and clarification questions must be received by January 28, 2016 at 12:00 P.M. in order for Sarpy County to have time to issue an addendum.

Bidding criteria must be received from Beth Garber, Purchaser, 1210 Golden Gate Drive, Suite 1220, Papillion, NE 68046, (402) 593-4476, bgarber@sarpy.com or via the internet at www.sarpy.com.

Vendors that obtain specifications from the internet sites are responsible for obtaining any addenda that may be added at a later time.

Bids must be sent to: Deb Houghtaling
Sarpy County Clerk's Office
1210 Golden Gate Drive, Suite 1250
Papillion, NE 68046

Bids not addressed and delivered to the above person will not be considered. Bids received after the above stated time and date will not be considered.

Bid opening will be a public opening to be held in the Sarpy County Administrative Conference Room at 1210 Golden Gate Drive, Papillion, NE. The bid opening will be at 2:00 p.m., Thursday, February 4, 2016.

All bids submitted shall be valid for a period of ninety (90) days following the final date for submission of bids.

Sarpy County will not be liable for costs incurred by Vendors for proposal preparation, printing, demonstration, or any other costs associated with or incurred in reliance on proposal creation. All such costs shall be the responsibility of the Vendor.

The bids shall include all charges and applicable taxes, F.O.B. Destination, freight prepaid, Sarpy.
County, Nebraska. The Vendor need not include sales tax in the bid. Sarpy County will, upon request, furnish the successful Vendor with a completed State of Nebraska Tax Exempt Form 13 upon acceptance of the successful Vendor's proposal.

The Sarpy County Board of Commissioners reserves the right to reject any or all bids and to waive minor informalities.

In the event of conflict between unit price and extended price, unit price shall prevail.

**Procedures for Evaluation and Awarding of Bid**

Evaluation will be done by Beth Garber, Sarpy County Purchaser along with personnel from the Public Works and Fleet Services Departments. After evaluation the Purchaser will make a recommendation to the County Board of Commissioners for award. This recommendation and pending award will be made at a public meeting of the Board of Commissioners. Agendas are available each Friday afternoon on our internet site www.sarpy.com. The Commissioners award the bid by majority vote.

The following factors will be used to consider the award of the bid, where applicable:

a) Compliance with all requirements.

b) Price.

c) The ability, capability, and skills of the Vendor to perform.

d) The character, integrity, reputation, judgment, experience, and efficiency of the Vendor.

e) The quality of previous performance.

f) Whether the Vendor can perform within the time specified.

g) The previous and existing compliance of the supplier with laws.

h) The life-cost of the personal property or services in relation to the purchase price and specified use.

i) The performance of the personal property or service taking into consideration any commonly accepted tests and standards of product, service, usability and user requirements.

j) The energy efficiency ratio as stated by the supplier.

k) The life-cycle costs between alternatives for all classes of equipment, the evidence of expected life, the repair and maintenance costs, and the energy consumption on a per year basis.

l) Such other information as may be secured having a bearing on the decision.

**Terms and Conditions**

1. **Information, Discussion, and Disclosures**

   Any information provided by Sarpy County to any Vendor prior to the release of this
Request for Proposal ("RFP"), verbally or in writing, is considered preliminary and is not binding on Sarpy County. The Vendor must not make available nor discuss any cost information contained in the sealed copy of the proposal to or with any employee of Sarpy County from the date of issuance of this RFP until the contract award has been announced, unless allowed by the Sarpy County Purchasing Department in writing for the purpose of clarification or evaluation.

No interpretation of the meaning of the specifications, or other bidding documents, or correction of any ambiguity, inconsistency, or error therein will be made orally to any Vendor.

Every request for such interpretation or correction should be in writing, addressed to the Sarpy County Purchaser, Beth Garber, 1210 Golden Gate Drive, Suite 1220, Papillion, NE 68046 or bgarber@sarpy.com. Requests must be received by 12:00 p.m., January 28, 2016 in order for Sarpy County to have time to issue an addendum. Requests received after deadline may not be considered. In case Sarpy County finds it expedient to supplement, modify, or interpret any portion of the bidding documents prior to the proposed bid date, such procedure will be accomplished by the issuance of written addenda to the RFP which will be mailed or delivered to all prospective Vendors at the respective addresses furnished for such purpose.

2. Addenda

All addenda will become part of this RFP and must be responded to by each Vendor.

All addenda must be acknowledged in writing in the bid submitted by the Vendor.

This RFP, any subsequent addenda, and any written responses to questions take precedence over any information previously provided.

3. Confidentiality of Documents

Sarpy County considers all information, documentation and other materials requested to be submitted in response to this proposal to be of a non-confidential and/or non-proprietary nature and therefore shall be subject to public disclosure under Neb. Rev. Stat. § 84-712.05(3).

Vendors are hereby notified that Sarpy County strictly adheres to all statutes, court decisions, and opinions of the Nebraska Attorney General with respect to disclosure of RFP information.

Any "proprietary, trade secret, or confidential commercial or financial" information must be clearly identified, in a separate sealed envelope, at the time of bid/proposal.
submission. **Pricing information is not considered financial information and therefore is not considered Confidential.** Please note: even if Vendor believes pricing information is confidential and includes it in a separate, sealed envelope, such information will be read aloud and entered into record during the public bid opening. For all other appropriately identified proprietary, trade secret, or confidential commercial or financial information, the Vendor will be required to fully defend, in all forums, Sarpy County's refusal to produce such information; otherwise, Sarpy County will make such information public upon request.

4. **Non-Discrimination Clause**

Pursuant to Neb. Rev. Stat. §73-102 (Reissue 2009), Vendor declares, promises, and warrants it has and will continue to comply fully with Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C.A. §1985, et seq.), and the Nebraska Fair Employment Practice Act, Neb. Rev. Stat. §48-1101, et seq. (Reissue 2010), in that there shall be no discrimination against any employee who is employed in the performance of this Contract, or against any applicant for such employment, because of age, color, national origin, race, religion, creed, disability or sex.

5. **Conflict of Interest Clause**

Pursuant to Neb Rev. Stat. §23-3113 (Reissue 2012), the parties hereto declare and affirm that no officer, member, or employee of the County, and no member of its governing body, and no other public official of the County who exercises any functions or responsibilities in the review or approval of the undertaking described in this Contract, or the performing of services pursuant to this Contract, shall participate in any decision relating to this Contract which affects his or her personal interest, or any corporation, partnership, or association in which he or she is directly or indirectly interested; nor shall any employee of the County, nor any member of its governing body, have any interest, direct or indirect, in this Contract or the proceeds thereof.

6. **Payment Terms**

The successful Vendor shall submit an itemized invoice for payment. Sarpy County will make payment to the successful Vendor within thirty (30) days after receipt of invoice and satisfactory delivery.

7. **Supplemental Terms and Conditions/Modifications**

Any supplemental terms, conditions, modifications, or waiver of these terms and conditions must be in writing and signed by the Sarpy County Board Chairman and the Vendor.
8. Termination

Either party may terminate the Contract with ninety (90) days written notice to the other.

9. Residency Verification

The Vendor agrees to comply with the residency verification requirements of Neb. Rev. Stat. §4-108 through §4-114. The Vendor is required and hereby agrees to use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska. A federal immigration verification system means the electronic verification of the work authorization program authorized by the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, 8 U.S.C. §1324a, known as the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee.

If the Vendor is an individual or sole proprietorship, the following applies:

The Vendor must complete the United States Citizenship Attestation Form, available on the Department of Administrative Services website at www.das.state.ne.us.

a) If the Vendor indicates on such attestation form that he or she is a qualified alien, the Vendor agrees to provide the U.S. Citizenship and Immigration Services documentation required to verify the Vendor’s lawful presence in the United States using the Systematic Alien Verification for Entitlements (SAVE) Program.

b) The Vendor understands and agrees that lawful presence in the United States is required and the Vendor may be disqualified or the contract terminated if such lawful presence cannot be verified as required by Neb. Rev. Stat. Sect. 4-108.

10. Breach

Should Vendor breach, violate, or abrogate any term, condition, clause or provision of this agreement, the County shall notify Vendor in writing that such an action has occurred. If satisfactory provision does not occur within ten (10) days from such written notice the County may, at its option, terminate this agreement and obtain an alternate provider to provide all required materials. This provision shall not preclude the pursuit of other remedies for breach of contract as allowed by law.
11. Assignment

The Vendor may not assign this Contract without the prior written consent of the County.

12. Subcontracting

Vendor may not subcontract the work to be performed, without prior written consent of the County. If such consent is granted, Vendor will retain responsibility for all work associated with the Contract. The Vendor must identify any subcontractors it intends to use in the execution of this Contract. The Vendor must identify subcontractors in writing within the proposal.

13. Independent Contractor

The Vendor shall in the performance of the Contract at all times be an independent contractor and not an employee or agent of the County. The Vendor, its officers, employees and agents shall at no time represent the Vendor to be other than an independent contractor or represent themselves to be other than employees of the Vendor.

14. Indemnity

The Vendor shall indemnify and save harmless Sarpy County, its officers, employees and agents from all loss, claims, suits or actions of every kind and character made upon or brought against Sarpy County, its officers, employees, or agents, for or sustained by any party or parties as a result of any act, error, omission or negligence of said Vendor or its servants, agents, and subcontractors; and also from all claims of damage in fulfilling this Contract.

15. Deviations

Once the bid has been accepted by Sarpy County, no deviations from the specifications will be accepted without prior written approval of Sarpy County.

16. Exceptions

These specifications are minimum acceptable specifications. You may bid other than what is specified if it is of higher specification than what is requested. Vendor must list any exceptions to the bid specifications on the bid form.
17. Literature

Vendor shall attach two (2) sets of detailed specifications or advertising literature of systems to the bid form. Any information necessary to show compliance with these requirements not given on the attached advertised data sheets shall be supplied in writing and attached to the bid proposal. Lack of sufficient information supplied with a proposal is cause for automatic rejection of such bid.

18. Warranty

A copy of all manufacturer's warranties shall be included in Vendor's proposal.

The Vendor shall warrant all materials, workmanship and equipment against defects for a period of one year beginning on the date of substantial completion except that certain equipment shall be warranted for longer periods as described in manufacturer's warranties.

19. Company Information

Vendor will provide the following company information on the bid form:

a. Years in business;
b. Number of employees; and,
c. Total sales for last three (3) years.

20. References

Each Vendor must include with its proposal a list of no less than three (3) current references that have purchased the specified product or service within the last two (2) years. The list must include the name of the company along with the name, phone number, and email of a contact person for each company.
Specifications:

1. The brush chipper furnished under this specification shall be the latest model, standard production unit, offered to the general trade, equal in every respect to the construction and performance characteristic shown in the manufacturer's specifications and descriptive literature for this type of chipper as manufactured and advertised for delivery in the continental United States and including all equipment normally offered and installed at the factory. A stripped down chipper version is specifically excluded.

2. Engine bore, main bearing, connection rod, bearing and wrist pins shall not exceed the manufacturer's established size tolerance.

3. All brush chippers offered must meet or exceed the following minimum specifications. It is intended the manufacturer will build the chipper to these specifications and the selling or servicing dealer will be required only to perform the normal pre-delivery service and not be required to modify, alter, exchange, assemble, install or paint various components to meet these specifications.

4. All brush chippers shall be guaranteed to include all the latest engineering developments adopted by the company applying to chassis, feed system, fuel system, engine, cutting system and accessories and to possess the capability of operation on regular fuel.

5. All brush chippers shall comply with all current provisions of the National Traffic and Motor Vehicle Safety Act, and applicable provisions of the USEPA Emission Standards.

6. Factory Installations: If a manufacturer has requirements available from the factory, then item must be FACTORY INSTALLED; if factory installation is not available, then it must be noted as a dealer installation and listed as an exception.

7. If a manufacturer has a standard item that exceeds the following minimum requirements, the standard item must be furnished.

8. List all exceptions/clarifications/comments on the page provided. Indicate acceptance or exception by marking YES/NO for specification listed. Any unmarked YES/NO line will be noted as exception to the specification.

9. Vendor to provide with the bid, the build out dates or tentative build out dates, if they are available. Also, provide delivery date to Sarpy County.

10. Provide with the bid two (2) sets of all current descriptive literature and manufacturer's specifications.
Machine Specification:

Yes/No

A) Dimensions

|x|  
1. Length of machine with infeed tray closed
   State Length 150"

|x|  
2. Length of machine with infeed tray open
   State Length 16'5"

|x|  
3. Width of machine
   State Width 66.5"

|x|  
4. Height of machine
   State Height 101"

|x|  
5. Approximate tongue weight 600 pounds
   State tongue weight 520 lbs.

B) Measurements

|x|  
1. Machine must be capable of 12" capacity
   State capacity 12"

|x|  
2. Throat opening shall be largest required for 12" capacity
   State size 12"x17"

|x|  
3. Feed rate shall be 102 FPM producing a 5/8 chip
   State feed rate 118 ft/min
4. Noise Level 80 decibels at 50' (360 degree around) at full operating rpm
   State decibels 119

C) Chassis

1. Mainframe shall be made from rectangular tubing

2. Chassis shall include a single 7,000 pound axle

3. Axle shall include electric brakes

4. Tires load range “E” mounted on white spoke rims. Tires should match appropriately with axle weight

5. Preformed fenders made of 12 gauge aluminum with mud flaps

6. 2 position hitch mounting plate with a 2 1/4” pintle hitch equipped with 5/16” link type chains and safety chain hooks

7. Tongue jack must be capable of 5,000 pound load. Jack must be adjustable with a 15” travel capacity and stationary foot pad

8. Aluminum tool box

D) Engine

1. Engine gas powered minimum 89HP

State brand, make, model of engine specified:

Brand/Make  G.M.

Model  3.0 LPT

H.P. 89

Peak Torque 146 ft/1,800 RPM

Displacement (C.I.D.)  183 c.u.
2. Engine shall include NACO or Automotive style clutch

3. Radiator shall be the largest capacity available for this unit. The radiator shall include 2 guards mounted in front of radiator to protect from damage

4. Engine to include two adjustable mounts to secure belt tension

5. Engine to be equipped with electrical starter, alternator, battery, governor, muffler, oil filter, fuel gauge, oil pressure gauge or indicator, temperature gauge, voltmeter or amp meter or alternator indicator and hour meter

6. Fuel tank minimum capacity 29 gallons with rubber isolated mounts. Tank shall include a magnetic drain plug, sight glass and lockable fuel cap

State capacity __20 Gallons__

**E) Electrical**

1. (1) One 850 - 1000 CCA battery

CCA __1,000__

2. Battery box aluminum

3. Machine shall include trailer cord with 7 pin flat blade plug and a 7 pin terminal junction box for trailer lights

4. Machine shall include taillights, clearance lights, license plate light and protective taillight covers

**F) Feed System**

1. Slide box type feed system

2. Feed system shall include (2) springs for adjusting down pressure on feed rollers
3. (4) Adjustments shall be provided that will allow for 0” to 6” travel before you start spring tension

4. Yoke slides for the box shall have replaceable “Phenolic” wear strips

5. Feed system shall include (2) Horizontal feed wheels

6. Horizontal feed wheels are equipped with special non-wrapping knife edge teeth, 1” high the full length of wheel.

7. Hydraulic feed rollers shall include (2) motors with the relief pressure setting at @2,500PSI

8. The Infeed tray shall include 3 degrees of slope to rollers. The infeed tray shall be equipped with a safety control bar located on three sides of infeed hopper to allow actuation of feed wheels forward, neutral, and reverse controls.

9. (2) Last chance safety pull cables included with safety control bar

G) Cutting system

1. Disc style cutting system spinning at 1,150 RPM’s

2. Disc shall include (2) knife pockets that contain (2) knives per pocket.

3. Disc shall include (2) fan blades that assist with throwing chips

4. Disc anvil is (4-sided)

5. Disc shall contain a safety lock bar

6. Disc shaft bearings are (2) 2 7/16” bore, 4 bolt flange mounted greasable replaceable bearings

7. Chipper hood to be constructed of a minimum 3/16” gauge steel and fold back for easy access to disc. Transition half hood to be constructed of 3/16” gauge steel. Hood is held in place with (1) locking pin

8. Chipper hood to include engine disable plug when in the open position
10. Chipper hood discharge shall be able to swivel 360 degrees manually and have 3 adjustable positions on the manual chip deflector.

11. Chipper body construction thickness shall be the strongest available steel for safe operation of chipper.

   a. Chipper base front and back
      State thickness __3/8"

   b. Chipper belly band
      State thickness __1/4"

   c. Right throat
      State thickness __3/8"

   d. Left throat and throat bottom
      State thickness __3/16"

H) Hydraulic System

   1. Open center gear style hydraulic pump with a 7-8 GPM capacity. Relief pressure of 2,500 PSI.

   2. 3 Micron filter for return, 100 Micron filter for suction

   3. Hydraulic tank minimum capacity 13 gallons with rubber isolated mounts. Tank to include a magnetic drain plug, sight glass and lockable fuel cap
      State capacity __7 Gallons__

I) Paint

   1. Manufacturer's standard color
      State color __Yellow__
J) Shop and Parts Manuals

1. One (1) Operator Manual or CD ROM/Flash Drive
2. One (1) Shop Repair Manual or CD ROM/Flash Drive
3. One (1) Parts Manual or CD ROM/Flash Drive
4. One (1) Electrical Manual or CD/Flash Drive

K) Delivery/Warranty

1. Regular manufacturer's standard warranty, manufacturer's statement of origin and complete pre-delivery inspection certificates required with chipper delivery
2. Manufacturer's standard warranty shall be stated in bid
   State type/length of time: One Year / 1,000 Hours
3. All warranty work to be performed within State of Nebraska and within sixty (60) miles of Sarpy County Fleet shop at 15100 S. 84th Street, Papillion, NE. 68046
4. Mechanical or body repair required under manufacturer's warranty prior to use of the chipper by the County shall be the responsibility of the selling dealer, including the transportation thereof
5. The selling dealer will provide warranty activation card or similar information in order to properly activate said warranty

L) Training

1. Information on factory training to be provided to Sarpy County Fleet Services after purchase of unit at no extra cost. Vendor/Manufacturer must supply letter that training for Sarpy County Technician's is available at no additional cost to the County.
Sarpy County Public Works Department
One (1) 12" Disc Style Brush Chipper

DIMENSIONS:
1. Length (infeed tray closed): 150"
2. Length (infeed tray open): 16'5"
3. Width: 66.5"
4. Height: 101"
5. Tongue Weight: 520 lbs.

MEASUREMENTS:
1. Material Capacity: 12"
2. Throat Opening: 12"x17"
3. In-Feed Rate: 118 ft/min
4. Noise Level: 119 decibels

CHASSIS:
1. Trailer Frame: "23" Z Channel
2. Axle: 7,000 lbs.
3. Electric Brakes
5. Fender: 14 Gauge
6. 3 Position Hitch with 2 1/2" Pintle Ring
7. Tongue Jack: 5,000 lb. Load
8. Aluminum Tool Box

ENGINE:
1. Engine: 89 HP
   Make: G.M.
   Model: 3.0 EFI
   HP: 89
   Peak Torque: 146 ft/1800 RPM
   Displacement: 183 c.u.
2. Clutchless PTO
3. Radiator has metal bolt on guard in front of it.
4. Engine does not move belt/adjustment is in handle engagement.
5. Electrical Starter, Alternator, Governor, Muffler, Oil Filter, Fuel Gauge, Oil Pressure, Temperature, Volts, Hour Meter, High Temp Shut Down
6. 20 gallon fuel tank, rubber mounted with steel enclosure and lockable access door.

ELECTRICAL:
1. Battery Size: 1,000 CCA
2. Battery box is located inside engine housing with steel lockable door.
3. Trailer Cord: 7 Pin
4. Tailights are LED high mounted and equipped with protectors. Also clearance light & license plate light.

www.vermeerhighplains.com
FEED SYSTEM:

1. Hydraulic In-Feed System
2. Peel Rollers: Single Horizontal
3. Not Applicable
4. Not Applicable
5. Single Horizontal
6. Feed wheel has non-wrapping knife edge on full length of wheel.
7. Roller is powered by one hydraulic motor with a 28.3 cu.in. Displacement. 2,500 psi Relief
8. SmartFeed: Equipped with automatic engine-speed monitoring system that senses the speed of the engine. The SmartFeed system shall automatically control the feeding of material into the cutter system according to engine RPM. This system shall have the ability to reverse material automatically and in turn restart the feeding process without any operator interface once the engine returns to full RPM. The multiple droop settings allow for optimum engine performance over a wide variety of material conditions.
9. Bottom Feed Stop Bar/Upper Feed Control Bar: Located on the leading edge of the feed table. The bottom feed stop bar shall be strategically located to make it possible for the operator’s leg to strike the bar & shut off the feed either intentionally or automatically in an emergency situation. A green button shall be positioned within reach of each side of the feed table to restart the feed roller & momentarily (30-second maximum) override the bottom feed stop bar if so required by the operator. The upper feed control bar shall be a four-position bar used to control the rotational direction of the feed rollers (forward, reverse and two neutral/stop positions). The bottom bar and upper feed control bar shall be painted red and the bottom bar shall have two sensitivity settings.

CUTTING SYSTEM:

1. Drum Style 20" Diameter – Drum Speed 2,220 RPM
2. Two Knives Bolt in Place, Four Bolts per Knife
3. Drum has Fan Blade to Throw Chips
4. Anvil is 4-Sided
5. Drum has Safety Lock Bar
6. Drum Bearings are 2 7/16" Flange Tampered
7. Chipper Hood: Steel Gauge (14 gauge)
8. Chipper Hood has Lockable Access Door
9. THERE IS NOT A #9 ON BID FORM
10. Chute height is 101". Rotation must be limited to 270 degree rotation with 27 positions. *NOTE: 360 degree rotation would allow chips to shoot directly at operator feeding chipper.
11. Discharge chute is constructed of 11 gauge & undersides is 14 gauge.
   a. Chipper Base: 3/8"
   b. Chipper Belly: 1/4"
   c. Throat: 3/8"
   d. Side Walls of Throat: 3/16"

HYDRAULIC SYSTEM:

1. 7 Gallon Capacity
2. 10 Micron filter for return, 100 Micron filter for suction.
3. Hydraulic Tank Capacity: 2 Gallons

PAINT:

1. Color: Yellow
Optional Trade in Machine

Model year: 1997
Manufacturer: Vermeer
Model: 1250C
Color: Yellow
Serial #: 1VRC14138V1006155
Hours: 1750
Optional Trade in Machine

Model year: 1997
Manufacturer: Vermeer
Model: 1250C
Color: Yellow
Serial #: 1VRC14138V1006155
Hours: 1750
EXCEPTIONS / CLARIFICATIONS / COMMENTS

1. ____________________________________________________________

2. ____________________________________________________________

3. ____________________________________________________________

4. ____________________________________________________________

5. ____________________________________________________________

6. ____________________________________________________________

7. ____________________________________________________________

8. ____________________________________________________________

9. ____________________________________________________________

10. ____________________________________________________________
Make: Vermeer
Model: B61000XL

Engine: G.M. 3.0 Torque: 146 ft/lbs Horsepower: 89

Alternator Size: 12 Volt Ampere: 70

Battery Size: Group 24 CCA @ 0 deg. F: 1,000

Fuel tank size: 20 Gallons Hydraulic tank size: 7 Gallons

Warranty: One Year - 1,000 Hours

Unit Price: $35,600.00

Optional Trade in:

Trade in yes: X Trade in no: ___

Unit price with trade in: $12,000.00

Delivery Date: 60 - 75 Days ARO

Build Out Date: N/A

Company Information:

Years in business: 38 Years

Total employees: 28

Total sales last 3 years: 30,000,000.00
References:

Company Name: City of Bellevue
Address: 210 W Mission, Bellevue NE 68005
Contact Name: Mark Blackburn
Phone Number: (402) 515-6636 Fax Number: 
Date of Purchase: June 6, 2014

Company Name: Boys Town
Address: PO Box 148, Boys Town, NE 68010
Contact Name: Randy Hassler
Phone Number: (402) 616-4839 Fax Number: 
Date of Purchase: August 27, 2012

Company Name: City of Papillion
Address: 122 East Third Street, Papillion, NE 68046
Contact Name: Andy Gowan
Phone Number: (402) 597-2045 Fax Number: 
Date of Purchase: July 30, 2009

Company Name: Douglas County
Address: 1819 Farnam St, Rm 902, Omaha NE 68183
Contact Name: Randy Stonys
Phone Number: (402) 444-6492 Fax Number: 
Date of Purchase: May 20, 2013 (2 1/2 Chippers)

Company Name: City of Omaha
Address: Park Maintenance Dept.
Contact Name: Josh Frey
Phone Number: (402) 444-6838 Fax Number: 
Date of Purchase: July 30, 2008
I certify that this bid is submitted in accordance with the specifications issued by Sarpy County.

The undersigned acknowledged receipt of the following addendums (if applicable):

Addendum #1  YES
Addendum #2  

Attachments: Literature - 2 sets
Manufacturer’s Specifications

Vermeer High Plains
Company Name
Steve Banda
Company Representative (Please Print)

5700 N 70th Street
Address

steve@vermeerhp.com
E-Mail address

(402) 467-5396
Telephone Number

Lincoln NE 68507
City, State & Zip

*NOTE: Sarpy County is tax exempt and will provide the proper form upon request.
Exhibit “A”
AGREEMENT

This Agreement is entered into by and between the County of Sarpy, in the State of Nebraska, a body politic and corporate, and hereinafter “County”, and _______________ hereinafter “Vendor”.

WHEREAS, County is desirous of contracting for One (1) 12" Disc Style Brush Chipper for the Public Works Department; and,

WHEREAS, the Vendor has been awarded this Agreement as a result of the bid made by Vendor in response to the Specifications and Request for Proposals prepared by County;

NOW, THEREFORE, for and in consideration of the declarations and mutual promises and covenants contained herein, the County and Vendor agree as follows:

I. DUTIES OF VENDOR

A. Services to be rendered by Vendor under this Agreement shall be all those services necessary and proper for the installation and materials for One (1) Disc Style Brush Chipper in conformity with each and every term, condition, specification, and requirements of the Bid Specifications and the Bid submitted by the Vendor.

B. All provisions of each document and item referred to in Paragraph A above shall be strictly complied with the same as if rewritten herein, and in the event of conflict among the provisions of said documents, the provisions most favorable to the County shall govern.

C. Prior to the commencement of any work, Vendor will place on file with the Sarpy County Clerk, the required certificates of insurance, if applicable.

D. The Vendor agrees to comply with the residency verification requirements of Neb. Rev. Stat. §4-108 through §4-114. The Vendor is required and hereby agrees to use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska. A federal immigration verification system means the electronic verification of the work authorization program authorized by the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, 8 U.S.C. 1324a, known as the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee.
If the Vendor is an individual or sole proprietorship, the following applies:

1. The Vendor must complete the United States Citizenship Attestation Form, available on the Department of Administrative Services website at www.das.state.ne.us.

2. If the Vendor indicates on such attestation form that he or she is a qualified alien, the Vendor agrees to provide the U.S. Citizenship and Immigration Services documentation required to verify the Vendor's lawful presence in the United States using the Systematic Alien Verification for Entitlements (SAVE) Program.

3. The Vendor understands and agrees that lawful presence in the United States is required and the Vendor may be disqualified or the contract terminated if such lawful presence cannot be verified as required by Neb. Rev. Stat. Sect. 4-108.

E. Vendor will submit an Invoice to County for work completed based on the amounts specified in Vendor's bid. Such invoices shall be submitted to:

Sarpy County Fleet Services
Sarpy County Courthouse
1210 Golden Gate Drive
Papillion, NE 68046

F. The County and Vendor hereto specifically acknowledge, stipulate and agree that each and every term of the Bid Specifications and the Vendor's bid constitutes an essential term of this Agreement, and that, therefore, any violation of any term, condition, provision, or requirement constitutes a material breach hereunder, for which County shall have every right under the law to terminate this Agreement, and obtain any and all relief necessary.

II. DUTIES OF COUNTY

In return for full, faithful and diligent rendering of services set forth above, County agrees to pay to Vendor the amount specified in Vendor's bid upon submission of the required invoice and satisfactory completion of all required work.

III. BREACH

Should Vendor breach, violate, or abrogate any term, condition, clause or provision of this agreement, the County shall notify Vendor in writing that such an action has occurred. If satisfactory provision does not occur within ten (10) days from such written notice, the County may, at its option, terminate this agreement and obtain
an alternate provider to provide all required materials. This provision shall not preclude the pursuit of other remedies for breach of contract as allowed by law.

IV. SAVINGS CLAUSE

This Agreement shall be interpreted, construed and enforced under the laws of the State of Nebraska. It is understood and agreed by the County and Vendor hereto that if any part, term, condition, or provision of this Agreement is held to be illegal or in conflict with any law of the State of Nebraska or of the United States, the validity of the remaining parts, terms, conditions, or provisions shall not be affected, and the rights and obligations of the County and Vendor shall be construed and enforced as if the Agreement did not contain the particular part, term, condition, or provision held to be invalid.

V. SCOPE OF AGREEMENT

This Agreement, along with the Bid Specifications, and Bid by Vendor contains the entire Agreement between the County and Vendor, and there are no other written or oral promises, contracts or warrants which may affect it. This Agreement cannot be amended except by written agreement of both the County and Vendor. Notice to the County and Vendor shall be given in writing to the agents for each party named below:

County: Ms. Debra Houghtaling  
Clerk of Sarpy County  
1210 Golden Gate Drive, Suite 1250  
Papillion, NE 68046

Vendor: _______________________________  
_____________________________  
_____________________________  
_____________________________
IN WITNESS WHEREOF, we the contracting parties, by our respective and duly authorized agents, hereto affix our signatures and seals in duplicate this _____ day of

____________________, 2016.

(Seal)

COUNTY OF SARPY, NEBRASKA,
A body Politic and Corporate

ATTEST:

________________________________________________________________________
Sarpy County Clerk
Chairperson
Sarpy County Board of Commissioners

________________________________________________________________________
Deputy County Attorney

Vendor: ______________________

By: ______________________

Title: ______________________

P:\Highway Service Contracts & Purchases\2016 12 Disc Style Brush Chipper\Specifications_Chr
Bid Specifications – Vermeer BC1000XL GM3.0L
Dual Fuel
Gasoline – 89 hp (66 kW)
Propane – 79 hp (59 kW)

General
Unit shall be a trailer-mounted hydraulically fed drum chipper in the 12” (30.5 cm) capacity class. Length of basic unit shall not exceed 12.5’ (3.8 m) when in transport configuration, feed table up, tongue retracted, add 24” (61 cm) for tongue extension or 16.5’ (5 m) overall length (feed table down and tongue extended). Overall height shall not be more than 10’ (2.56 m). Maximum weight of the unit shall not be more than 5020 lb (2277 kg) and tongue weight shall not exceed 520 lb (235.9 kg).

Engine
Unit shall have an industrial, liquid-cooled, GM 3.0L engine, that produces 89 hp (66 kW) at 3000 rpm, 142 ft-lb (192 Nm) of torque at 1600 rpm, on gasoline and 79 hp (59 kW) at 3000 rpm, 146 ft-lb (198 Nm) of torque at 1800 rpm, on propane with a maximum displacement of 183 cu in (3 cu L). Air intake filter shall include a pre-cleaner. Unit shall be equipped with a spin-on replaceable oil filter. Unit shall be equipped with a remote-mounted fuel filter, a gasoline fuel tank with a minimum capacity of 20 gal (75.7 L) and two propane fuel tanks with a minimum combined capacity of 66 lb (29.9 kg). Unit shall be equipped with a 12-volt, Group 24, 580 CCA battery. Engine shall be rubber-mounted with a steel engine enclosure including a lockable access door.

Trailer
Trailer frame shall be constructed of .25” (.6 cm) Z channel 4.3” x 7” (10.8 cm x 17.8 cm). Suspension shall be a rubber-torsion type with a capacity of at least 5200 lb (2358.7 kg). Tires shall be equal to ST235/80R16 LRE, 3500 lb (1587.6 kg) rating. The tongue shall extend 24” (61 cm) and the hitch, adjust up and down a total of 8” (20.3 cm). Unit shall be equipped with electric brakes and include a breakaway switch and cable. Trailer lights shall be LED high-mounted and equipped with protectors to reduce damage. Fenders shall be steel bolt-on and not welded. The unit shall be equipped with two towing safety chains with a minimum size of .375” (9.5 mm). The trailer must be equipped with a tongue jack with a minimum capacity of 5000 lb (2268 kg).

Cutting System
The cutting system shall be a drum style with a minimum drum size of 20” (50.8 cm) in diameter, 20” (50.8 cm) in width and .38” (10 mm) thick skin with 1.5” (3.4 cm) sidewalls. The drum shall have a two-position safety lock. The drum shall weigh a minimum of 460 lb (208.7 kg). The drum shall have 2 knives, bolted in place with a minimum of four bolts per knife. The knife size shall be 4.5” (11.4 cm) by 9” (22.9 cm) with a minimum thickness of .325” (8.2 mm). Knives shall be constructed of A8 chipper steel. The cutter housing shall be rubber-mounted and isolated from engine and frame for sound and vibration reduction.

Feed System
The unit shall be equipped with a hydraulic infeed system. The feed system shall have one horizontal feed roller. The feed roller shall have a minimum diameter of 20” (50.8 cm) and a minimum width of 17” (43.2 cm). The feed roller shall be powered by one hydraulic motor with a
minimum displacement of 28.3 cu in (71.8 cu cm). The infeed throat shall have an opening of 12” X 17” (30.5 cm X 43.2 cm).

**Clutchless PTO**

Unit shall be equipped with a clutchless PTO system that allows the cutter drum to be engaged without a traditional clutch and belt tensioner or without sliding the engine. System shall disallow engagement with engine speed above 1000 rpm.

**SmartFeed**

Unit shall be equipped with an automatic engine-speed monitoring system that senses the speed of the engine. The SmartFeed system shall automatically control the feeding of material into the cutter system according to engine rpm. This system shall have the ability to reverse material automatically and in turn restart the feeding process without any operator interface once the engine returns to full rpm.

**Bottom Feed Stop Bar/Upper Feed Control Bar**

The unit shall be equipped with a bottom feed stop bar located on the leading edge of the feed table. The bottom feed stop bar shall be strategically located to make it possible for the operator's leg to strike the bar and shut off the feed either intentionally or automatically in an emergency situation. A green button shall be positioned within reach of each side of the feed table to restart the feed roller and momentarily (30 second maximum) override the bottom feed stop bar if so required by the operator. The upper feed control bar shall be a four-position bar used to control the rotational direction of the feed rollers (forward, reverse and two neutral/stop positions). The bottom bar and upper feed control bar shall be painted red and the bottom bar shall have two sensitivity settings.

**Hydraulic System**

The unit shall be equipped with live-type hydraulics (hydraulic pump runs directly from the engine). The system shall be open-center with a return-type filtration system with a minimum filtration of 10 micron return, 100 micron suction. The pump shall have a minimum capacity of 3 gal/min (11.3 L/min) at maximum rpm with a relief pressure of 2500 psi (172.4 bar). The unit must have a hydraulic tank with a 7 gal (26.5 L) capacity.

**Instrumentation/Storage**

Primary machine controls shall be located near the infeed chute. The unit shall have a multifunction display, fuel selection switch and a fuel gauge. The unit shall have a lockable battery location and lockable gasoline fuel fill.

**Discharge System**

Chute must be no less than 101” (256.5 cm) high. Rotation must be limited to 270° rotation and controlled with dual handles and lock pin offering 27 positions.
**Manuals/Instructions**

A full set of operator's, maintenance and parts manuals shall be supplied with the machine. A cabled operator's manual printed on water-resistant paper placed in a weather tight storage box shall be provided near the control panel. An operations and safety video (DVD) shall be supplied with each machine.

**Options**

- Lockable instrument panel cover
- Biodegradable hydraulic oil
- Hydraulic surge brakes
- Special paint
- Extended warranties
- Preventive maintenance programs
- Sound reduction package
- Left side controls
- 7000 lb (3175.1 kg) axle
- Flag mounts
- Cone storage mount

**Bid specifications last updated: 11/14/13**

Vermeer Corporation reserves the right to make changes in its engineering, design and specifications; add improvements; or discontinue manufacturing at any time without notice or obligation.

© 2013 Vermeer Corporation. All Rights Reserved.
VERMEER NEW INDUSTRIAL EQUIPMENT LIMITED WARRANTY

12 Months / 1000 Hours

Vermeer Corporation (hereinafter “Vermeer”) warrants each new Industrial product of Vermeer’s manufacture to be free from defects in material and workmanship, under normal use and service for one (1) full year after initial purchase retail sale or 1000 operating hours, whichever occurs first. This Limited Warranty shall apply only to complete machines of Vermeer’s manufacture, parts are covered by a separate Limited Warranty. EQUIPMENT AND ACCESSORIES NOT OF VERMEER’S MANUFACTURE ARE WARRANTED ONLY TO THE EXTENT OF THE ORIGINAL MANUFACTURER’S WARRANTY AND SUBJECT TO THEIR AGREEMENT TO VERMEER ONLY IF FOUND DEFECTIVE BY SUCH MANUFACTURER.

EXTENDED WARRANTY OPTIONS ARE AVAILABLE FOR PURCHASE

WARRANTY TERMS: During the Limited Warranty period specified above, any defect in material or workmanship in any warranted item of Vermeer Industrial Equipment not excluded below shall be repaired or replaced at Vermeer’s option without charge by any authorized independent Vermeer dealer. The warranty repair or replacement must be made by a Vermeer independent authorized dealer at the dealer’s location. Vermeer will pay for replacement parts and such authorized dealer’s labor in accordance with Vermeer’s labor reimbursement policy. Vermeer reserves the right to supply remanufactured replacement parts as it deems appropriate.

RETAIL PURCHASER RESPONSIBILITY: This Limited Warranty requires proper maintenance and periodic inspections of the Industrial Equipment as indicated in the Operator’s Maintenance Manual furnished with each new Industrial Equipment. The cost of routine or required maintenance and services is the responsibility of the retail purchaser. The recall purchaser is required to keep documented evidence that these services were performed.

This Vermeer New Industrial Equipment Limited Warranty may be subject to cancellation if the above requirements are not performed.

EXCLUSIONS AND LIMITATIONS: The warranties contained herein shall NOT APPLY TO:

1. Any defect which was caused (in Vermeer’s sole judgment) by other than normal use and service of the Industrial Equipment, by any of the following: (a) accident (b) misuse or negligence (c) overlooking (d) lack of reasonable and proper maintenance (e) improper repair or installation (f) unsuitable storage (g) non-Vermeer approved alteration or modification (h) natural calamities (i) vandalism (j) parts or accessories installed on Industrial Equipment which were not manufactured or installed by Vermeer authorized dealers (k) the elements (l) collision or other accidents.

2. Any Industrial Equipment whose identification numbers or marks have been altered or removed or whose hour meter has been altered or tampered with.

3. Any Industrial Equipment which any of the warranted, recommended periodic inspections or services have not been performed including, without limitation, engine tune-up parts, engine oil filters, air filters, hydraulic oil filters and fuel filters.

4. New Industrial Equipment delivered to the retail purchaser in which the equipment/warranty registration has not been completed and returned to Vermeer within ten (10) days from the date of purchase.

5. Any defect which was caused (in Vermeer’s sole judgment) by operation of the Industrial Equipment in excess of standard operating procedures outlined in the Operator’s Manual.

6. Engines, battery, and the Limited Warranties and support are the responsibility of the respective manufacturer’s product.

7. Transportation costs, if any, of transporting to the Vermeer dealer. Freight costs, if any, of transporting replacement parts to the Vermeer dealer.

8. The travel time of the Vermeer dealer’s service personnel to make a repair or the retail purchaser’s site or other location.

9. In no event shall Vermeer’s liability exceed the purchase price of the product.

(10) Vermeer shall not be liable to any person under any circumstances for any incidental or consequential damages (including but not limited to, loss of profit, out of service time) occurring for any reason at any time.

(11) Diagnosing and overtime labor premiums are not covered under this Limited Warranty Policy. Oils and fluids are not covered under this Limited Warranty.

(12) Depreciation damage caused by normal wear, lack of reasonable and proper maintenance, failure to follow operating instructions, misuse, lack of proper protection during storage.

(13) Accessory systems and electronics not of Vermeer’s manufacture are warranted only to the extent of such manufacturer’s respective Limited Warranty if any.

(14) Down boad or trailer is not covered under this warranty.

(15) Wear items which are listed by product group below:

ENVIRONMENTAL: Bearing Seals, Bearings, Belts, Brake Pads, Bolts/Threaded Parts, Chain, Clutches, Clutch Components, Cables, Coupler Wheels, Discharge Conveyor Belts, Fuel Filters, Heaters, Hoses, Induced Conveyor Belts, Induced Conveyor Chains, Knives, Oil Filters, Pockets, Rods, Rollers, Rotor Plates, Screens, Service Parts, Shear Bar/Baskets, Sprinklers, Teeth, Wear Blocks, Wear Strips, Tips, Tip Mounts, Track Chain, Track Rollers, Roller Tracks, Rubber Grouser Bars, Rubber Track Bands, Track Spreader, Track Plates, Winch Cable, Windshield Wiper Parts, Lights, Antenna.

TRACK: Base Plates, Bock Wear Items, Buckets, Cable Fingers, Conveyor Belts, Clutches, Cups, Ditching Chain, Ditching Rims, Drums, End Idler, Flashings, Pins and Bushings, Pivot Rings, Plastic Wear Strips, Rubber Bands, Scraper Knives, Sprinklers, Teeth, Track Chain, Track Rollers, Trends Cleaner (Crumbler), Tip Cleaners, Track Rollers, Wear Plates.


UTILITY PRODUCTS: Augers, Belts, Bearings, Booms, Brake Pads, Buckets, Bushing Rings, Chains, Conveyor Belts, End Rollers, Flashings, Pins, Pivots, Rings, Flow Blades, Rubber Shielding, Sprinklers, Teeth, Tires, Track Chain, Track Idlers, Track Spreader, Trends Cleaner (Crumbler).

PARTS WARRANTY: Parts replaced during warranty period will receive the balance of the first year New Industrial Equipment Limited Warranty, during the first (12) months or 1000 hours, whichever comes first. Replacement parts after the original machine/warranty are warranted to be free from defects of material for ninety (90) days or the part will be repaired or replaced, without labor coverage for removal and installation.

EXCLUSIONS OF WARRANTIES: EXCEPT FOR THE WARRANTIES EXPRESSLY AND SPECIFICALLY MADE HEREIN, VERMEER MAKES NO OTHER WARRANTIES, AND ANY POSSIBLE LIABILITY OF VERMEER HEREUNDER IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. VERMEER RESERVES THE RIGHT TO MODIFY, ALTER AND IMPROVE ANY PRODUCT WITHOUT INCURRING ANY OBLIGATION TO REPLACE ANY PRODUCT PREVIOUSLY SOLD WITH SUCH MODIFICATION.

NO PERSON IS AUTHORIZED TO GIVE ANY OTHER WARRANTY, OR TO ASSUME ANY ADDITIONAL OBLIGATION ON VERMEER’S BEHALF.

NO DEALER WARRANTY: The seller, dealer distributes no warranty of its own and the dealer has no authority to make any representation or promise on behalf of Vermeer or to modify the terms or limitations of this warranty in any way.

ELECTRONIC SIGNATURES: Each of the parties hereto expressly agrees to conduct transactions by electronic means. Accordingly, the parties agree and intend that all electronic transactions including, without limitation, electronic signatures, shall be considered equivalent to an original writing as provided under Iowa law, as it may be amended from time to time.

MANUFACTURED BY: VERMEER CORPORATION, Pella, Iowa 50219 USA
GENERAL DIMENSIONS AND WEIGHTS
Length: 12.5' (3.8 m)
Height: 10'1" (256.6 cm)
Width: 66.5" (168.9 cm)
Weight: 5020 lb (2277 kg)

ENGINE OPTIONS
Make and model: GM 3L Electronic fuel injection
Horsepower: 89 hp (66.4 kW)
Max torque: 142 ft-lb (192.5 Nm)
Fuel types: Unleaded and E10 gasoline or propane
Number of cylinders: 4
Cooling medium: Liquid

ELECTRICAL
System voltage: 12 V
Trailer lights: LED

CAPACITIES
Fuel tank: 20 gal (75.7 l)
Hydraulic tank: 7 gal (26.5 l)
Propane tank: 84 lb (29 kg)*
*might vary depending on temperature

CHASSIS
Frame: 25" x 7" (6 cm x 17.8 cm) 2-channel
Tires: ST235/80/R16 Load Range E
Axle/Suspension: 5200 lb (2358.7 kg) Dexter rubber torsion
Optional axle/suspension: 7000 lb (3175.1 kg)
Hitch: Pintle

CUTTING SYSTEM
Disc/Drum speed: 2220 rpm
Drum size: 20" (50.8 cm) diameter
Drum thickness: 4" (1 cm)
Knives: 2 knives - 6" x 4.5" x 9" (1.6 cm x 11.4 cm x 22.9 cm)
Bedknife: 4 sided - 3.5" x 17.3" (8.9 cm x 43.8 cm)
Clutch: Clutchless PTO

FEED SYSTEM
Chipping capacity: 12" (30.5 cm)
Infeed opening height: 12" (30.5 cm)
Infeed opening width: 17" (43.2 cm)
Feed table length: 32" (81.3 cm)
Feed table height: 12" (30.5 cm)
Feed roller style: Horizontal
Feed speed: 118 fpm (36 m/min)

DISCHARGE SYSTEM
Discharge height: 101" (256.6 cm)
Degree of rotation: 270 degrees
**BC1000XL GAS BRUSH CHIPPER**

**GENERAL DIMENSIONS AND WEIGHTS**
- Length: 12.5' (3.8 m)
- Height: 101" (256.6 cm)
- Width: 66.5" (168.9 cm)
- Weight: 4880 lb (2128.8 kg)

**ENGINE OPTIONS**
- Make and model: 6M 3L Electronic fuel Injection
- Horsepower: 89 hp (66.4 kW)
- Max torque: 142 ft-lb (192.5 Nm)
- Fuel type: Unleaded and E10 gasoline
- Number of cylinders: 4
- Cooling medium: Liquid

**ELECTRICAL**
- System voltage: 12 V
- Trailer lights: LED

**CAPACITIES**
- Fuel tank: 20 gal (75.7 L)
- Hydraulic tank: 7 gal (26.5 L)

**CHASSIS**
- Frame: .25" x 7" (.6 cm x 17.8 cm) Z-channel
- Tires: ST235/80/R16 Load Range E
- Axle/Suspension: 5200 lb (2358.7 kg) Dexter rubber torsion
- Optional axle/suspension: 7000 lb (3175.1 kg)
- Hitch: Pintle

**CUTTING SYSTEM**
- Disc/Drum speed: 2220 rpm
- Drum size: 20" (50.8 cm) diameter
- Drum thickness: .4" (1 cm)
- Knives: 2 knives – 6" x 4.5" x 9" (1.6 cm x 11.4 cm x 22.9 cm)
- Bedknife: 4 sided – 3.5" x 17.9" (8.9 cm x 45.0 cm)
- Clutch: Clutchless PTO

**FEED SYSTEM**
- Chipping capacity: 12" (30.5 cm)
- Infeed opening height: 12" (30.5 cm)
- Infeed opening width: 17" (43.2 cm)
- Feed table length: 32" (81.3 cm)
- Feed table height: 12" (30.5 cm)
- Feed roller style: Horizontal
- Feed speed: 118 fpm (36 m/min)

**DISCHARGE SYSTEM**
- Discharge height: 101" (256.6 cm)
- Degree of rotation: 270 degrees

**NOTES:**
# Vermeer BC1000XL Dual-Fuel

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Option Two: Rubber toroidal</td>
</tr>
<tr>
<td><strong>Manufacturer</strong></td>
<td>Option Two: Dexter</td>
</tr>
<tr>
<td><strong>Capacity</strong></td>
<td>Option Two: 7000 lb (3175.2 kg)</td>
</tr>
<tr>
<td><strong>Tires</strong></td>
<td>Option Two: ST235/80R16 Load Range E</td>
</tr>
<tr>
<td><strong>Wheels</strong></td>
<td>Option Two: 18&quot; x 6&quot; (49.6 cm x 15.2 cm)</td>
</tr>
<tr>
<td><strong>Brake Type</strong></td>
<td>Standard electric or optional hydraulic</td>
</tr>
<tr>
<td><strong>Trolley Light Type</strong></td>
<td>LED</td>
</tr>
</tbody>
</table>

## Other Options
- **Special Paint**: Optional
- **Extended Warranty**: Optional
- **Preventive Maintenance**: Optional

## Features & Benefits

### Description
SmartFeed is a patented feed-sensing control system which monitors engine rpm and automatically stops and reverses feed rollers when feeding large, hardwood material. With a simple switch, an operator can choose between three rpm droop settings to fit the specific job application.

**Benefit**: This exclusive system from Vermeer helps increase operator productivity and reduces strain on vital engine parts, as rpm settings are adjustable and automatically monitored. Three rpm settings offer improved versatility for varying applications.

### Features: Clutchless PTO

**Description**: The throttle integrated with the belt-drive engagement process helps ensure that the PTO can only be engaged while the engine is at low idle/low rpm. Automatically, the engine throttles up to full rpm after the belt drive is fully engaged.

**Benefit**: Premature wear to the belt-drive system is reduced by preventing high idle engagement of the cutter drum.

### Bottom Feed Stop Bar

**Description**: The bottom feed stop bar is strategically located to make it possible for an operator's leg to strike the bar and shut off the feed mechanism either intentionally or automatically in an emergency situation. Reset/Hold-to-run buttons on each side of the infeed housing allow the operator to readily reset the system if the bar is tripped.

**Benefit**: Helps to increase operator safety while feeding material.

### Features: Ecolle Engine Control System

**Description**: Operator can select the Ecolle function which automatically lowers engine speed to a preset lower rpm if no material has been chipped for 60 seconds or 6 minutes as selected by operator.

**Benefit**: The Ecolle engine control system can help consume less fuel if the feeding process has frequent interruptions, and also aid in noise reduction.

### Features: EFI Engine

**Description**: The BC1000XL gas unit is powered by an 89 hp (66.4 kW) EFI GM engine.

**Benefit**: Performs well during cold-weather starts, provides improved fuel economy over comparable carbureted gas engines.
Description: For the dual-fuel system, when fueled by gasoline, the General Motors 3.0L engine can produce 89 horsepower (66.3 kW) at 3000 rpm; when fueled by propane, the engine achieves 79 horsepower (58.1 kW) at 3000 rpm.

Benefit: The flexibility of this option allows running on gasoline or propane by simply flipping a switch, and provides tree-care contractors and rental business owners an alternative fuel option.

Feature: Four-position Feed Control Bar

Description: A four-position feed control bar is positioned within easy reach of the infeed housing and allows the operator to control the forward or reverse direction of the feed rollers. In addition, the operator can push or pull the feed control bar, stopping the feed rollers.

Benefit: This design allows the operator to easily control feed direction and provides an additional way to stop the infeed, enhancing operator safety.

Feature: Deluxe Standard Gauges

Description: Standard gauges now include fuel gauge, diagnostic port, CAN display, key switch, engine warning light, Ecotidle selector switch, droop selector switch and sensitivity selector switch.

Benefit: Intuitive gauges are now available at the operator's hands allowing for convenient machine performance monitoring and setting selection.

Feature: Control Panel

Description: The control panel is located on the right or left rear of the unit.

Benefit: This allows for the operator to have easier access to the necessary gauges and droop setting switch while the machine is in operation.

Feature: Engine Hood

Description: A lightweight steel hood encloses the engine compartment and provides a strong industrial appearance.

Benefit: This design provides easy access to the engine during maintenance.

Feature: Dual-Edge Cutter Knives

Description: Dual-edge cutter knives feature two usable sides.

Benefit: Helps increase the life of the knife by including two usable edges rather than one.

Feature: Rubber-torsion Spring Axle

Description: The machine is equipped with a standard rubber torsional axle versus competitive models that feature leaf springs.

Benefit: This provides high reliability and smooth towing. Makes the BC1000XL a more desirable unit to tow with smaller vehicles.

Feature: Rear Axle Cooling
**Vermeer BC1000XL, Dual-Fuel**

**Description:** The BC1000XL features a 12" (30.5 cm) tall and 17" (43.2 cm) wide infeed opening.

**Benefit:** This design can help boost productivity by decreasing the amount of trim cuts needed prior to processing.

**Feature: Rubber-Mounted Engine and Cutter Housing**

**Description:** This feature is designed to reduce vibration transmitted to the frame.

**Benefit:** This helps reduce premature failure to shields, fenders and other components. This design also helps reduce machine noise.

**Feature: Discharge Chute**

**Description:** A standard, easy-access hand-crank rotates the discharge chute 270 degrees.

**Benefit:** Adjustable chute positions allow chip boxes to be filled evenly while safely directing chips away from the infeed area.

**Feature: Left Side Controls (Optional)**

**Description:** The cutter drum engagement lever and control panel are moved to the left side of the machine.

**Benefit:** In countries that drive on the left side of the road versus the right side of the road, moving these controls over to the left side moves the operator off of the traffic side of the road.

1st Update: 02/03/2016

Contains information from Vermeer Corporation operated web site. Its use is subject to terms and conditions of Vermeer Corporation operated web site agreement at https://www.vermeer.com.

Vermeer Corporation reserves the right to make changes in engineering, design and specifications of products to improve quality or decrease costs at any time without notice or obligation. 2006 Vermeer Corporation. All Rights Reserved.
Vermeer continues its dedication to delivering highly innovative, fuel-efficient equipment with the BC1000XL dual-fuel brush chipper. Looking for ways to provide new features for customers, this machine offers a dual-fuel system that operates on either gasoline, 20 gallon (75.7 L) pressurized steel gasoline tank or propane two 32 lb (14.5 kg) propane tanks simply by flipping a switch. Complete with an 89-horsepower (66.4 kW) GM 3.0L engine, the chipper is powered by a dependable electronic fuel injection (EFI) system and features a direct electronic pressure regulator that allows for greater control of fuel delivery, fuel economy and optimum combustion.

**Specifications**

**General Dimensions and Weights**
- Length - Feed Table Up, Tongue In: 150 " (381 cm)
- Length - Table Down, Tongue Extended: 198 " (502.9 cm)
- Width: 86.5 " (168.9 cm)
- Height: 101 " (256.6 cm)
- Weight - Engine Option One: 4680 lbs (2122.8 kg)
- Weight - Engine Option Two: 5020 lbs (2277 kg)
- Tongue Weight - Engine Option One: 520 lbs (235.9 kg)
- Sound Power: 119 dB (Idle)

**Engine Option One**
- Make and Model: GM 3.0L electronic fuel injection
- Number of Cylinders: 4
- Gross Horsepower (Maximum): 89 hp (66.4 kW)
- Torque (Max): 142 ft-lb (192.5 Nm)
- Max Fuel Consumption: 7.8 gph (29.5 lph)
- Fuel Type: Unleaded and E10 gasoline/propane (*capacity might vary depending on temperature)
- Air Cleaner: 2-stage dry with safety element
- Oil Filter: Spin-on
- Recommended Oil: SAE 10W30
- Oil Volume with Filter: 4.5 qt (4.3 L)
- Maximum Angle of Continuous Operation: 20 deg
- Cooling Medium: Liquid
- Coolant Capacity (Engine and Radiator): 3.6 gal (13.6 L)
- Alternator: 70
- Fan: 16.5" (41.9 cm) pusher
- Clutch Type: Clutchless PTO
- Clutch Drive Engagement: Belt tensioner

**Feed System**
- Feed Roller Orientation: Horizontal
- Number of Feed Rollers: 1
- Feed Roller Clamp Load: 360 lbs (163.8 kg)
## Vermeer BC1000XL Dual-Fuel

**Feed Roller Minimum Distance to Drum:** 1" (2.5 cm)

**Feed Roller Dimension:** 20" x 17" (50.8 cm x 43.2 cm)

**Number of Knives:** 2

**Weight of Feed Roller:** 400 lbs (181.4 kg)

**Number of Feed Roller Motors:** 1

**Motor Displacement:** 28.3

**Motor Manufacturer:** White

**Feed Speed:** 118 ft/min

**Infeed Table Width:** 52" (132.1 cm)

**Infeed Table Length:** 32" (81.3 cm)

**Infeed Hopper Height:** 12" (30.5 cm)

**Infeed Throat Capacity:** 12" H x 17" W (30.5 cm H x 43.2 cm W)

**Distance from Feed Table to Ground:** 26" (66 cm)

**Infeed Table Material Thickness:** .2" (.5 cm)

### Safety System

- **Bottom Feed Stop Bar:** Standard
- **Bottom Feed Stop Bar Diameter:** 2" (5.1 cm)
- **Bottom Feed Stop Bar Material Thickness:** 11 GA
- **Reset Method:** Green hold-to-run button
- **Four Position Feed Control Bar:** Standard
- **Positions:** 4: E-stop, forward, neutral and reverse

### Drum/Disc Cutting System

- **Material Capacity:** 12" (30.5 cm)
- **Diameter:** 20" (50.8 cm)
- **Speed:** 2220
- **Weight With Shaft:** 460 lbs (208.7 kg)
- **Safety Lock - Number of Positions:** 2
- **Number of Knives:** 2
- **Knife Thickness:** .6" (1.6 cm)
- **Material:** A8 Chipper Steel
- **Useable Edges:** 2
- **Knife Size:** 0.63" x 4.5" x 9" (1.6 cm x 11.4 cm, 22.9 cm)
- **Number of Bolts/Knife:** 4
- **Replaceable Threaded Knife Block:** Yes
- **Number of Paddles:** 5
- **Fixture Method:** Weld-on

**Air Flow:** 580 cfm

**Bedknife Size:** 3.5" x 17.3" (8.9 cm x 43.8 cm)

**Bedknife Thickness:** 1" (2.5 cm)

**Bedknife Material:** 1018

**Bedknife - Number of Useable Edges:** 4

### Cutter Drive Components - Engine Option One

- **Number of Bearings:** 2
- **Bore:** 2.4" (6.1 cm)
**Vermeer BC1000XL Dual-Fuel**

**Type:** Spherical Rollers

**Manufacturer:** Linkbelt

**Dynamic Capacity:** 31400 lbs (14242.8 kg)

**Static Capacity:** 53500 lbs (24267.2 kg)

**Belt Idler/Tensioner:** Yes

**Belt Type:** 5V

**Discharge System**

- **Chute Height:** 101" (256.5 cm)
- **Chute Rotation Angle:** 270 deg
- **Rotation Type:** Manual rotate with pin lock
- **Rotational Lock:** Yes

**Hydraulic System**

- **Tank capacity:** 7 gal (28.5 L)
- **Recommended Oil Type:** Vermeer VMF
- **System Type:** Open center
- **Filtration Method:** 10 micron return, 100 micron suction
- **Pump Flow at Maximum RPM:** 3 gpm (11.4 L/min)
- **System relief pressure:** 2500 psi (172.4 bar)
- **Flow Control:** No
- **Directional Control:** Yes
- **Oil Cooler:** No

**Electrical System**

- **System Voltage:** 12 Volt
- **Battery:** Group 24; 660 CGA
- **Standard Gauges:** Fuel and MFD
- **Deluxe Gauges:** Standard
- **Switches:** Droop, Ecclede and Sensitivity
- **Controller:** Vermeer ACS
- **Display:** Multifunction display (hour, temperature, oil pressure, rpm, trouble codes)
- **Shutdown System:** High temp, low pressure
- **Radio Remote Control:** No

**Chassis**

- **Frame Description:** 7" (17.8 cm) Z channel; 25" (6.4 cm) thickness
- **Tongue Description:** 2.5" x 4.5" x 0.25" (6.4 cm x 11.4 cm x 0.6 cm)
- **Tongue Extension:** Extendable 24" (61 cm) at 12" (30.5 cm) increments
- **Hitch Type:** Pintle
- **Fender Description:** Bolt-on Steel

**Axle/Suspension:** Torsion

**Type - Option One:** Rubber torsional

**Manufacturer - Option One:** Dexter

**Capacity - Option One:** 5200 lb (2358.7 kg)

**Tires - Option One:** ST235/80R16 load range E

**Wheels - Option One:** 16" x 5" (40.6 cm x 15.2 cm)

**Axle/Suspension - Option Two:** Torsion