



ST. CHARLES
SINCE 1834

AGENDA ITEM EXECUTIVE SUMMARY

Title: Recommendation to Approve Purchase of a 2013 Vermeer BC 1800 XL Stump Grinder

Presenter: Mike Shortall

Please check appropriate box:

<input type="checkbox"/>	Government Operations	<input checked="" type="checkbox"/>	Government Services 11.25.13
<input type="checkbox"/>	Planning & Development	<input type="checkbox"/>	City Council
<input type="checkbox"/>	Public Hearing	<input type="checkbox"/>	

Estimated Cost:	\$42,000	Budgeted:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> X	<input type="checkbox"/> NO	<input type="checkbox"/>
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If NO, please explain how item will be funded:

Executive Summary:

City Staff is seeking approval to purchase a 2013 Vermeer BC 1800 XL Stump Grinder.

This unit is currently a demo, and the original cost would be \$54,899. We will be credited for our portion of rental fees, which will reduce the cost of this unit to an estimated amount of \$42,000.

This vehicle was budgeted and approved for \$42,000, and was approved by the City Fleet Committee.

Attachments: *(please list)*

Quote #306 dated October 15, 2013

Recommendation / Suggested Action *(briefly explain):*

Recommendation to Approve Purchase of a 2013 Vermeer BC 1800 XL Stump Grinder in the amount of \$42,000.

For office use only:

Agenda Item Number: 5.a



Vermeer-Illinois, Inc.
 2801 Beverly Drive
 Aurora, IL 60502
 (630) 820-3030
 www.vermeermidwest.com

Quote #:
 306

September 10, 2013
 Bill To:
 City of St Charles

Ship To:
 City of St Charles
 Date September 10,

Gentlemen:

I would like to submit this quote to you.

- 1 - Vermeer BC1800XL, Demo 2013 150 hours, SN# 1VRY131Z8D1004098, with:** **\$54,899.00**
- 130 HP Cummins Tier 3 Turbo Charged Diesel Engine
 - 19" log Capacity Drum Chipper with 20" x 24" Infeed Opening
 - High Coolant Temperature and Low Oil Pressure Automatic Shutdown
 - 35 Gallon Fuel Tank
 - Patented Vermeer SMARTFEED System
 - 10,000 lbs. Rubber Torsion Axle
 - LT235/75R17.5 Load Range J Standard Tires
 - Heavy Duty 10,000 lbs. Tongue Jack
 - Electric Brakes with Breakaway Switch
 - 13" Spring Loaded Autoclutch, Which Can Only be Engaged at Low rpm
 - Upper and Lower Feed Stop Bar for Safety
 - Hydraulic winch with Interlock safety system
 - Spare set of knives included
 - 2 Year/2,000 Hour Engine Warranty
 - 3 year/3,000 Hour Extended Limited Warranty on Chipping Drum
 - 1 year/1,000 Hour Parts and Labor Standard Vermeer Limited Warranty (ending 6-24-2014)

Machine Total Price	\$54,899.00
Rental Credit	-\$6,000.00
Total	\$48,899.00

Finance Options with approved credit

Monthly Payment

Payments on **60 month** based on \$0.00 down payment.

\$884

Proposal good for 30 days; we reserve the right at any time prior to acceptance to revoke this quotation.

Accepted by _____ Date _____

Thank you for your consideration.

Initials: _____

Sincerely,

Kyle Cline
Sales Representative
(630) 337-4166
kyle.cline@vermeermidwest.com

THE BC1800XL BRUSH CHIPPER



BC1800XL SPECIFICATIONS

To learn more, please visit VERMEER.COM

General Dimensions and Weights

Length: 177" (450 cm)
Height: 110" (279 cm)
Width: 80" (203 cm)
Weight (w/o winch and hydraulic jack): 8740 lb (3964 kg)
Weight (w/ winch and hydraulic jack): 9270 lb (4205 kg)

Engine Options

Make and model: Cummins QSB4.5 Tier 3
Horsepower: 110 hp (82 kW) @ 2500 rpm
Max torque: 360 ft-lb (488 Nm) @ 1500 rpm
Fuel type: Diesel
Number of cylinders: 4
Cooling medium: Liquid
Make and model: Cummins QSB4.5 Tier 3
Horsepower: 130 hp (97 kW) @ 2500 rpm
Max torque: 459 ft-lb (622 Nm) @ 1500 rpm
Fuel type: Diesel
Number of cylinders: 4
Cooling medium: Liquid
Make and model: Cummins QSB4.5 Tier 3
Horsepower: 170 hp (127 kW) @ 2500 rpm
Max torque: 460 ft-lb (623 Nm) @ 1500 rpm
Fuel type: Diesel
Number of cylinders: 4
Cooling medium: Liquid

Electrical

System voltage: 12 DC, 65 amp alternator
Trailer lights: Incandescent

Capacities

Fuel tank: 35 gal (132.5 L)
Hydraulic tank: 12 gal (45.4 L)

Chassis

Frame: C channel, C6" x 8.2 lb (3.7 kg)
Tires: 235/75R17.5 Load Range J
Axle/Suspension: 10,000 lb (4535 kg) Dexter rubber torsion with electrical brakes
Hitch: Pintle 2.375" (6 cm) diameter

Cutting System

Disc/drum speed: 1100 rpm
Drum size: 36" (91 cm) diameter
Drum thickness: .375" (1 cm)
Knives: 4 knives - 5.5" x 10" x .625" (14 x 25 x 1.6 cm)
Bedknife: 4 sided - 3" x 20.25" x 1.25" (7 x 51 x 3.2 cm)
Clutch: 13" (33 cm) spring loaded auto clutch

Feed System

Chipping capacity: 19" (48 cm)
Infeed opening height: 24" (61 cm)
Infeed opening width: 20" (51 cm)
Feed table length: 62.5" (159 cm)
Feed table height: 30.5" (78 cm)
Feed roller style: Twin vertical, helical knives
Feed speed: 118 fpm (36 m/min)

Discharge System

Discharge height: 110" (279.4 cm)
Degree of rotation: 270 degrees



Equipment shown is for illustrative purposes only and may display optional accessories or components. Please contact your local Vermeer dealer for more information on machine specifications. Vermeer Corporation reserves the right to make changes in engineering, design and specifications; add improvements; or discontinue manufacturing at any time without notice or obligation. Vermeer and the Vermeer logo are trademarks of Vermeer Manufacturing Company in the U.S. and/or other countries.

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