

**CITY OF TONKA BAY
ITEM NO. 9B**

Memo

To: Honorable Mayor and City Council
Joe Kohlmann, City Administrator

From: Greg Kluver, Public Works Superintendent

Date: October 9, 2012

Re: Purchase new 2012 MORBARK M12 R Brush Chipper

Planned for in the 2013 Equipment Capital Improvement Plan is the purchase of a new brush chipper. The use of a chipper has proven to be a valuable tool in assisting the Public Works crew as the City continues to move forward in an aggressive buckthorn removal program.

Although the chipper is identified for purchase in 2013, staff believes that a savings can be realized by purchasing the chipper before the end of 2012. A cost increase of between 3 to 5 percent is most likely going to occur in 2013. This equates to a savings of \$800 to \$1300 if purchased in 2012. Also, by purchasing the chipper in 2013, the City would realize a savings in any rental costs associated with renting a chipper from Minnetonka Beach.

In preparation for this purchase, the Public Works crew tested this chipper and it is listed on the State Bid Contract for 2012. The crew put the chipper through a rigorous test period of three days, chipping a wide variety of different woods. The chipper is capable of chipping up to 12" diameter logs. The results were all favorable.

The chipper is a new **MORBARK M12R** sold by Trenchers Plus in Burnsville. The State of Minnesota contract price base bid price with the addition of the two options listed plus tax would be **\$28,909.69**.

If approved, the Chipper is in stock and available for immediate delivery.

Source of Funds:

The CIP has a balance of \$13,081 today. This is allocated for entrance monuments (\$8,000); phone system (\$4,000); and a miscellaneous balance. (over)

The City levied a total of \$63,013 for 2012 capital purchases. We have received \$32,059 in our July tax settlement. We are expecting the remaining \$30,960 in our December tax settlement.

Attachments:

- Proposal from Trenchers Plus
- Brochure on Mobark M12R

Council Action Requested:

Motion to approve the purchase of the Mobark M12R brush chipper in the amount of \$28,909.69.

TrenchersPlus

Underground Equipment Specialists

2309 W Hwy. 13 Burnsville, MN 55337

Ph: 952-890-6000 Fax: 952-890-4563

www.trenchersplus.com

October 2, 2012

City of Tonka Bay
4901 Manitou Road
Tonka Bay MN 55331

Dear Greg Kluver,

In line with our conversation, Trenchers Plus, Inc. is pleased to quote the following 2012 State Bid equipment:

1- New MORBARK M12R Drum Chipper



Chipper inch capacity 12"

Weight 5,500 lbs

Kubota V3600T Tier III 84HP Diesel Engine

Fuel tank size 24-1/2 Gal

Battery size (CCA) 1400CCA

Instrumentation Electronic Control Panel

Trailer tires 245/75R x 16 radial tires

Trailer suspension type & capacity 6,000 lb Tor-Flex suspension axle

Trailer Brakes Electric

Trailer hitch type 2-1/2 Pintle

Feed table length 48"

Distance from feed roller to ground 24"

Feed rate 100 fpm

Feed roller size and configuration

Dual Horizontal 17 " x 9" dia. with

Hydraulic In-feed Down Pressure

Chipper cutting wheel size 14-1/2 wide x 21-3/8" Dia. Drum
Number of chipper knives (2) Two
Knife description information Dual Edged
Height of discharge chute 8' 5"
Manual Chute rotation
360 degrees manual with 6 stop/lock positions
Hydraulic tank capacity 17 gal

Warranty One year with two year /3,000 hour on MORBARK Manufactured Components

1.0 Base Unit Price as stated above \$26,750.00

Optional Equipment:

4.2 Discharge Clean-out Door	\$ 60.00
5.2 Variable Speed Flow Control	\$ 240.00
Total Amount with options	<u>\$27,050.00</u>
MN State Sales Tax @ 6.875%	<u>\$ 1,859.69</u>
Total with State Tax	<u>\$28,909.69</u>

*Unit is stock for immediate delivery

Greg, we appreciate the opportunity and look forward to serving your equipment needs.

Sincerely,

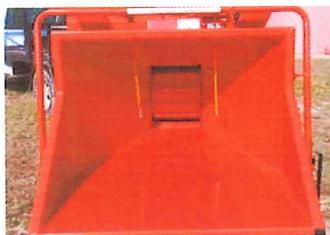
John Rabideaux
Trenchers Plus, Inc.
612-868-5646

MORBARK® BEEVER™ M12R



BENEFITS

- With its power and easily transportable design, this compact and economical chipper is the ideal unit for utility line clearing, residential tree services, rental yards and municipalities.
- The patented chambered air impeller system increases chip throwing velocity and reduces dust and material blowback out the infeed to pack more into the chip truck.
- The direct driven dual feed wheel system with serrated teeth and knife bar combination and end cap ripper teeth allow positive material feeding and reduced material wrapping around the feed wheel shaft for increased feeding efficiency.
- Like all Morbark equipment, the M12R is a long-lasting, durable machine backed by a world-class parts and service support team.



Infeed Opening

The 60" wide x 31" high chute opening and 15" wide x 12" high throat opening allows for easy feeding of branchy material and reduced saw labor.



Drive Belt Cover

Drive belt inspection cover provides easy access for drive system maintenance.



Hydra-Lift System

The powerful Hydra-Lift™ dual feed wheel compression system with spring-assisted down pressure generates more than 3,300 lb./ft. of combined material pulling force.



360° Swivel Discharge

360° swivel discharge with chip deflectors puts chips right where they're needed without removing the Beaver from the tow vehicle.

SPECIFICATIONS

SPECIFICATIONS MAY VARY WITH EQUIPMENT OPTIONS 5/14/12

General

Chipping capacity	12"
Height	8'6"
Width	6'6"
Length	15'3"
Gross weight	5,200–5,500 lbs.
Suspension	6,000 lb. torsion
Infeed opening	60" wide x 31" high
Throat opening	15" wide x 12" high
Drum	14 1/4" wide x 21" diameter
Engine	CAT, Perkins or Kubota
Horsepower	84–114 HP
Fuel capacity	24 1/2 gallons
Hydraulic capacity	17 1/2 gallons
Frame	8.2 lb. 6" channel
Tires	(2) LT235/85R16"
Hitch	2 1/2" Pintle

Equipment Highlights

- 21" diameter x 14 1/4" wide staggered-knife-pocket drum with two dual-edged chipper knives and Vortex chambered air impeller systems
- Top and bottom horizontal feed wheels equipped with serrated teeth and knife bars
- Reversing automatic feed system
- Enclosed engine with gauge panel, radiator fines screen and slide rails for belt adjustment
- Fuel tank sight gauge, drain plug and shut-off valve
- Hydraulic tank shut-off valve, drain plug and clean-out cover
- Live hydraulics; ball valve, pump, motor and control valve
- 5" x 3" tubular steel telescoping drawbar with two 12" extensions

Additional Features

Morthane Paint System: A chemically cured, electrostatically applied urethane coating with high-gloss finish, built-in UV protection, chip and chemical resistance and corrosion protection

Options

- Variable speed flow control
- Folding infeed tray
- Turnbuckle for discharge height adjustment
- Winch package: heavy-duty, 5,000 lb. pull capacity with rope and 10' chafe guard
- Aluminum diamond plate fenders
- Custom paint and logo packages
- Knife saver tool
- Engine stop on infeed
- Material pushing tool
- Discharge cleanout door on side or bottom
- Spanish and English safety decals



MORBARK®
BUILDING EQUIPMENT THAT CREATES OPPORTUNITIES

800.831.0042
989.866.2381
www.morbark.com

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