

**CITY OF LA VISTA
MAYOR AND CITY COUNCIL REPORT
MARCH 20, 2007 AGENDA**

Subject:	Type:	Submitted By:
AUTHORIZATION TO PURCHASE — SNOW THROWER FOR DISTRICT 2 FIRE STATION	◆ RESOLUTION ORDINANCE RECEIVE/FILE	BOB LAUSTEN POLICE CHIEF

SYNOPSIS

A resolution has been prepared to authorize the purchase of a snow thrower machine for storage and use at the new fire station from Bennington Equipment, Omaha, NE, in an amount not to exceed \$9,000.

FISCAL IMPACT

Funding is available in the fire station project budget.

RECOMMENDATION

Approval.

BACKGROUND

It has recently been determined that a snow throwing machine is needed to handle snow removal operations at the new fire station. As evidenced by the snow storm of March 1-2, 2007 the new station is susceptible to considerable drifting. We believe that it will be necessary to have snow removal equipment on site to keep the driveway passable. Space has been designed into the new building to house such a unit.

The Director of Public Building and Grounds has researched the costs of new and used systems. A new John Deere snow thrower system is estimated at \$25,000. A used 2000 model with a mower attachment for \$9,000 has been located and recommended for purchase. This machine is not only a snow thrower but it comes with a brush and mower. The mower may be utilized to keep the native grasses from taking over the sodded areas to the west of the station. The brush can be used in light snow and to remove gravel from the drive and apparatus bay entrances.

RESOLUTION NO. _____

A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF LA VISTA, NEBRASKA AUTHORIZING THE PURCHASE OF A SNOW THROWER MACHINE FROM BENNINGTON EQUIPMENT, OMAHA, NEBRASKA, IN AN AMOUNT NOT TO EXCEED \$9,000.00.

WHEREAS, the fire station project budget provides funds for the proposed improvements; and

WHEREAS, City staff has determined that the proposed equipment is required for operation of the facility; and

WHEREAS, City staff has received and reviewed the proposal from Bennington Equipment for the purchase of a used John Deere snow throwing machine; and

WHEREAS, the La Vista Municipal Code requires that the City Administrator secure Council approval prior to authorizing any purchase over \$5,000.00.

NOW, THEREFORE BE IT RESOLVED, that the Mayor and City Council hereby authorize the purchase of a used John Deere snow throwing machine for the new fire station from Bennington Equipment, Omaha, NE, in an amount not to exceed \$9,000.00

PASSED AND APPROVED THIS 20TH DAY OF MARCH, 2007.

CITY OF LA VISTA

Douglas Kindig, Mayor

ATTEST:

Pamela A. Buethe, CMC
City Clerk

**JOHN DEERE****BENNINGTON EQUIPMENT, INC.**

11550 North 204th Street

Elkhorn, NE 68022

Phone: (402) 238-2211

Fax: (402) 238-2895

Quote

Name City of LaVista
Address 8116 Parkview Blvd.
 LaVista, Ne. 68128

Date 09-Mar-07**Contact:** Jeff Siebels**Prepared By:** Mike Branz**Telephone No.** 331.4343 [ext. 103]**Fax No.** 331.4375**Cell No.**

Customer Purchase Order: At the time of sale, the customer agrees to pay for the equipment in full. The customer agrees to pay for the equipment in full. The customer agrees to pay for the equipment in full.

Codes	Description	Price
	Used MY2000 F445 w/ 930 Hrs. [+/-] 28HP / 4- Whl. Drive, Diesel w/ Cozy Cab, 72" Mower Deck, 47" 2-Stage Snow Blower, 60" Rotary Broom	\$ 9,000.00
		\$ 9,000.00
TRADE-IN	EQUIPMENT [MODEL / SIZE / DESCRIPTION]	
QTY		
None	None	\$ -
Total Trade-In		\$ -
Trade Difference		\$ -

F1145 Front Mower

C15-320-1

SPECIFICATIONS**Engine:**

Manufacturer	Yanmar
Model number	3TNE78A
Cylinders	3
Cycle	4
Horsepower (net)	28 @ 3200 rpm
Horsepower (gross)	35.9 @ 3600 rpm
Displacement	67.9 cu. in. (1113 cm ³)
Torque (ft. lb.)	
Operating (3200 rpm)	46
Maximum (2200 rpm)	58
Injection	Direct
Air cleaner	Dual element dry-type
Air restriction indicator	Progressive-type
Bore and stroke	78x84 mm
Compression ratio	17.8:1
Lubrication	Pressurized
Cooling capacity	8 U.S. qt. (7.6 L)
Engine shutoff	Key

Drive Train:

Transmission type	Hydrostatic
Transaxle type	Dual range
Travel speeds @ 3400 rpm	
Forward, high	0 to 11.0 mph (0 to 17.7 km/h)
Forward, low	0 to 8.4 mph (0 to 13.5 km/h)
Reverse, high	0 to 5.5 mph (0 to 8.9 km/h)
Reverse, low	0 to 4.2 mph (0 to 6.8 km/h)
Mechanical rear wheel drive	Full-time or on-demand
Differential lock	Standard equipment
Final drive	Planetary
Brakes	Wet disk

Fuel System:

Capacity	11.0 U.S. gal. (41.6 L)
Fuel pump type	Mechanical
Fuel tank location	Right and left side of machine

Steering:

Type	Power, hydrostatic
Turns, lock-to-lock	1-3/4
Turning radius	17-in. (432 mm)

Power Take Off:

Type	Live independent
Speed @ full engine rpm	3200 rpm
Clutch	Hydraulic multi-disk with delay relief valve
Engage/disengage	Electric solenoid

Implement Lift:

Type	Hydraulic
Lift cylinders, two	2.5 x 4-in. (63.5 x 101.6 mm)

Electrical:

Charging system	Automotive type
Alternator	40 amp
Battery voltage	12

Hydraulic System:

Type	Open center
Pump type	Gear
Pump capacity	5.6 gpm (0.35 l/s)
Weight transfer	Optional

Noise Level - dB(A):

With mower off	86
With mower on	92

C15-320-2

F1145 Front Mower

Tires:**Type**

Drive	23x10.50-12, 4 PR turf
Steering	18x8.5-8, 4 PR turf

Dimensions:

Tread width (front)	1176 mm (46.3-in.)
Wheelbase (front to rear axle)	1375 mm (54.1-in.)
Operating weight w/72-in. mower	2347 lb.
Ground clearance:	
Front Axle	5.25-in. (133 mm)
Rear Axle	7.00-in. (177 mm)

MOWER DECKS

	60-inch	72-inch	72-inch Rear Discharge 60-inch
Front Mower Compatibility:			
F1145	Standard	Optional	Optional
Cutting Width	60-in. (1524 mm)	72.8-in. (1840 mm)	60-in. (1524 mm)
Overall Width	72.5-in. (1842 mm)	85-in. (2159 mm)	65.2-in. (1650 mm)
Blades:			
Number	3	3	3
Blade material	Heat treated, high alloy steel		
Blade length	20.5-in. (520 mm)	25-in. (635 mm)	20.5-in. (520 mm)
Blade width	2.5-in. (63.5 mm)	2.5-in. (63.5 mm)	2.5-in. (63.5 mm)
Blade thickness	0.312-in. (7.92 mm)	0.312-in. (7.92 mm)	0.312-in. (7.92 mm)
Blade drive	Double angle belt (hex section)	Double angle belt (hex section)	HB section belt
Mower drive	Gearbox, spiral gears	Gearbox, spiral gears	Cast iron gearbox (beveled gears)
Spindles	1-in. (25.4 mm)	1-in. (25.4 mm)	1-in. (25.4 mm)
Bearings	Greaseable (through spindles)	Greaseable (through spindles)	Greaseable (through spindles)
Blade Tip Speed (feet per minute)			
Minimum (3450 engine rpm) ...	14,693	14,713	14,700
Maximum (3600 engine rpm) ...	15,332	15,352	15,300
Caster Wheels:		11x4.00-5-in., 4 PR (279 x 102 mm)	
Size		Pneumatic	
Type			
Front Anti-Scalp Roller	9.75 x 4-in.	9.75 x 4-in.	9.75 x 4-in. optional
Two Rear Anti-Scalp Rollers ...	9.75 x 4-in.	9.75 x 4-in.	N.A.
Cutting Height	1.5 to 4.5-in. (38 to 114 mm)	1.5 to 4.5-in. (38 to 114 mm)	1 to 6-in. (25 to 152 mm)
Deck Offset	14.4-in. (366 mm)	18-in. (457 mm)	14.3-in. (364 mm)
Uncut Circle of Grass (without using brake)	34-in. (864 mm)	30-in. (762 mm)	41-in. (1041 mm)
Deck Lift Height:			
Front	14 to 16-in. (305 mm)	14 to 16-in. (355 to 406 mm)	8.4 to 10.4-in. (355 to 406 mm)
Rear	6.5 to 8.5-in. (121 mm)	6.5 to 8.5-in. (165 to 216 mm)	5 to 7-in. (165 to 216 mm)
Discharge	Hinged, right	Hinged, right	Rear
Deck Construction	One-piece stamped steel	One-piece stamped steel	Welded
Deck Thickness	0.134-in. (3.40 mm)	0.156-in. (3.96 mm)	0.134-in. (3.40 mm)
Weight, approx.	330 lb. (160 kg)	440 lb. (200 kg)	330 lb. (145 kg)
Acres per Hour*	2.5 at 5 mph (4.0 at 8.1 km/h)	3 at 5 mph (4.8 at 8.1 km/h)	2.5 at 5 mph (4.0 at 8.1 km/h)

* The acres per hour is an estimated figure. The results were figured allowing for a 10 percent time loss for mower width overlap, 5 percent time loss for turns, trimming, etc., and mowing a smooth area.