

Municipality of East Ferris

Report to Council

Report No.: PR-2019 - 01

Date: May 28, 2019

Originator: Sharon Kitlar, Manager of Recreation and Facilities

Subject: Ice-Resurfacer Purchase

RECOMMENDATION

That Council approve the purchase of an ice re-surfacer from Zamboni Company Inc. at a total cost of \$89,558.15 including HST (municipal cost including HST credit \$79,225.00).

BACKGROUND

Council approved the purchase of a new ice re-surfacer through the 2019 Capital Budget process. There are two providers of this type of equipment: Zamboni Company Inc. and Olympia. Quotes were solicited from both companies for the equipment - see attached. The Zamboni quote was the lowest with an amount of \$89,558.15 including HST which includes a trade in value of \$14,000.00 and a delivery cost of \$1,250.00. The Olympia quote was \$92,648.70 including HST which includes a trade in value of \$2,000.00 and delivery cost. (municipal cost including HST credit would be \$81,990.00) Based on these quotes, Zamboni has offered the lowest price.

Zamboni is the preferred brand for the Municipality and is the make of the current ice re-surfacer used at the arena. By purchasing the same make, the Municipality benefits because we are able to use the same blades, which we have purchased and have on hand. Staff are familiar with the operation and maintenance of the Zamboni equipment.

A donation from the North Himsforth Athletic Association in the amount of approximately \$41,000 was received in 2018. The money was committed to creating a sport recognition wall in the amount of \$5,000 with the balance of approximately \$36,000 going towards the purchase of a new ice re-surfacer.

The municipality is entitled to a full credit for the HST paid on this equipment; therefore, the total cost of the Zamboni will be:

\$ 92,005.00	Unit Cost
\$ 1,250.00	Transportation
<u>(\$ 14,000.00)</u>	Trade in Value for 2006 Zamboni
\$ 79,255.00	Total
<u>(\$36,000.00)</u>	Donation

\$43,225.00 Total after donation applied

The approximate delivery time from Zamboni is 330 days after order date which means the anticipated delivery would be sometime in May 2020. As a result, the current machine will be prepped and maintained to be used during the 2019/2020 season.

ANALYSIS/OPTIONS

OPTION 1

That Council approve the purchase of an ice re-surfacer from Zamboni Company Inc. at a total cost of \$89,558.15 including HST (municipal cost including HST credit \$79,225.00).

OPTION 2

Should Council not agree with the recommendation, Council could make adjustments to suit its needs and approve a revised resolution.

FINANCIAL IMPLICATIONS

The true cost to the Municipality would be a total of approximately \$43,225.00 when taking the donation into account.

RECOMMENDED OPTION

OPTION 1

That Council approve the purchase of an ice re-surfacer from Zamboni at a total cost of \$89,558.15 including HST (municipal cost including HST credit \$79,225.00).

Submitted by,



Sharon Kitlar, B.P.H.E.
Manager of Recreation and Facilities

I concur with this report and recommendation.



Jason H. Trottier, BBA, CPA, CMA
CAO/Treasurer

Attachments: Zamboni quote
Olympia quote

ZAMBONI COMPANY LTD.

38 Morton Ave. East, P.O. Box 1388, Brantford, ON, N3T 5T6 | P 519.758.5000 | F 519.758.0500 | zamboni.com

January 8, 2019

SENT VIA EMAIL

Township of East Ferris
East Ferris Community Centre
R.R. #1
Astorville, Ontario P0H 1K0

Attn: Sharon Kitlar, BPHE
Manager of Recreation and Facilities
Phone: 705-752-3566
Email: sharon.kitlar@eastferris.ca

PROPOSAL

MODEL: Zamboni 526

QUANTITY: One (1)

CAPACITY: Full Size

- Snow Tank
100 cubic feet (actual volume)
125 cubic feet (compacted)
- Ice Making Water Tank
160 Imperial gallons
- Wash Water Tank
60 Imperial gallons
- Total Water Capacity
220 Imperial gallons

ENGINE: Mitsubishi 2.4 Litre

- Four cylinder SOHC, liquid cooled. 58 h.p @ 2500 rpm.
- Emission Certified (LPG & Gasoline)
- Coil on Plug Ignition System
- 5000 Hour Belt Life
- CAN Communication Protocol

ZAMBONI®

ENGINE:
(Cont'd)

- Engine is approved for propane use by Power Solutions International Inc. and comes with hardened valve seats.
- Load sensing governor enables true "hands-free" operation by driver.
- All exhaust piping is stainless steel.

TRANSMISSION: Sundstrand Hydrostatic Pump and Motor

- Continuously variable pump and motor are axial piston-type and offer volumetric efficiencies as high as 95%.
- Maximum drawbar pull even at low speeds and full hydrodynamic braking.
- Allows the use of a smaller and more efficient engine while still providing superior on-ice power.
- Hydrostat enables the conveyor augers to operate at full speed, regardless of vehicle speed, even when slowing for corners.

DRIVETRAIN: Dana/Spicer Axles

- Front - Model 44, rated 4,300 lb. capacity.
- Rear - Model 60, rated 6,200 lb. capacity and is a rigid, full-float design.
- Because the 526 uses Spicer/Dana axles that are optimized for our chassis, we offer the industry's highest manufacturer approved axle capacities.
- Our chassis/axle combination is the key to the Zamboni 526 having a turning radius of 16 feet, a full 3 feet tighter than most other machines.

ODG Transfer Case

- Rugged cast iron housing for rigid gear and bearing support. Heat-treated alloy steel gears are helical cut for greater strength and lower noise.
- Hydrostatic motor is wet-mounted to the housing for long shaft life.

Chassis

- 2" X 5" structural steel tubing for high strength and long service.

- HYDRAULICS:**
- **Sundstrand Gear Pump** for high efficiency, flow and speed. This design is also very quiet and has been proven in many rugged applications.
 - Direct drive "piggy-back" mounts for trouble-free service. No belts or pulleys.
 - Powerful 28 G.P.M. double-pump has separate pump sections for the vertical and horizontal augers for the best conveyor performance in the industry.
 - **Permco Motors** for the conveyor system are cast iron gear-type and provide exceptional durability.

**HYDRAULICS:
(Cont'd)**

- **Charlyn Steering Motor** provides very smooth power steering with little effort.
- **Donaldson Filters**, 22 micron and 16 micron, ensure a clean environment for all hydraulic components.
- Large 21 gallon tank enhances hydraulic fluid travel to rid the oil of entrapped air and increase heat dissipation.

**SNOW TANK
AND AUGERS:**

- Large snow capacity and tank design provides all areas of the snow tank to be completely filled, even the top and rear corners.
- The 526's snow tank incorporates a smooth bottom and sides, allowing for the snow to slide out with the least amount of residue and at a much lower height.
- Both 10 inch large diameter augers are double-flighted to ensure good performance even during heavy shaving and the augers are epoxy coated for durability.

CONDITIONER:

- Zamboni Ice Resurfacers have a well-deserved reputation for producing the finest sheet of ice, even after many years of being in use.
- A unique design of spring and hydraulic down pressure is used for superior shaving results.
- Performance will continue for the life of the machine by using replaceable bushings and springs.

**HUMAN
ENGINEERING:**

- The operation of the 526 very simple. The operator sets the engine speed with the "hands-free" governor and drives the machine with a foot control. However, unlike an automotive transmission, the 526 will provide full power and speed to the augers at all times, even while slowing for corners. And the 526 will ensure the snow tank is compacted and completely filled.
- Speed is controlled by the single foot pedal, equipped with a "dead-man" safety feature to dynamically brake the vehicle to a stop if the operator's foot leaves the pedal.
- Operator compartment has an ergonomic layout and includes a modern steering wheel with spinner knob.
- Engine and hydraulic compartment is easily accessed even with the snow tank down.
- Wiring and looms are well routed and protected. Wires are individually labelled for easier service and trouble-shooting.

**FACILITY
ENGINEERING:**

- Zamboni Ice Resurfacers offer unparalleled shaving and snow conveyor performance. A quality sheet of ice is among an arena's primary selling features.
- Zamboni has the tightest turning radius in the industry, enabling operators to resurface deeper into their corners.
- The snow tank on the 526 is designed in an enlarged package with a flat bottom and sides. This gives the 526 a low front-dumping height. This is important for both dumping indoors as well as outdoors in adverse conditions.
- Our unique engine and hydrostatic transmission enables the 526 to use a smaller, more efficient engine and can provide significant fuel savings.
- The Ontario Ministry of Labour has recommended in a "Hazard Alert Bulletin" that arena ventilation be determined by horsepower of the ice resurfacer, which is less than 50% of the larger engines used in competitive machines. This can translate to considerable energy and facility savings.

MANUFACTURERS

STATEMENT:

The Model 526 is proudly designed and manufactured in Brantford, Ontario, by Zamboni Company Ltd., a Canadian company.

WARRANTY:

Twenty-four (24) months or 2,000 hours, parts and labour. Mileage and travel time are not covered under warranty.

**SAFETY
STANDARDS:**

The 526 is engineered to meet or exceed O.S.H.A. and A.N.S.I. safety labelling requirements.

PRICE:

2019 Zamboni 526	\$ 92,005.00
• Front Dump	Included
• Propane Carburetion.....	Included
(Note: Propane tanks are not supplied.)	
• Board Brush	Included
• Wash Water System	Included
• Hydrostatic Transmission.....	Included
• Tire Wash.....	Included
• Catalytic Converter 3-Way	Included
• Closed Loop Fuel Management System	Included
• Poly Ice Making Water Tank	Included
• Plastic Conditioner Runner	Included
• Hydraulic Jack.....	Included
• Light Package (2 Head Lights & 1 Tail Light)	Included
• Gauge Package	Included
• Audible Alarm.....	Included
• Manual Snow Breaker	Included
• Spare Tire and Rim	Included
• Tool Kit, Blade Angle Gauge.....	Included
• Towel Saver Kit	Included
• Parking Brake.....	Included
• LPG Low Fuel Indicator Light	Included
• Hydraulic Oil Cooler.....	Included
• Water Level Sight Gauge	Included
• Back-up Alarm	Included
• Stainless Steel Water Spreader Pipe	Included
• White Rims.....	Included
• Amber Strobe Light.....	Included
• Integrated Auger Washout System.....	Included
• 2-1/2 lb. Fire Extinguisher	Included
• Blade Protector.....	Included
• Four (4) 77" Shaving Blades	Included
• Extra Squeegee.....	Included
• Extra Spreader Cloth.....	Included
• Paint: Choice of Two Standard Colours.....	Included

UNIT COST: \$ 92,005.00

TRANSPORTATION: \$ 1,250.00

LESS TRADE IN ALLOWANCE 2006 ZAMBONI 520-8407: \$ (14,000.00)

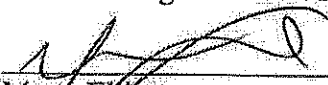
SUB-TOTAL: \$ 79,255.00

HST 13%: \$ 10,303.15

NET TOTAL: \$ 89,558.15**F.O.B.:** Brantford, Ontario

TERMS: 1% Discount, 7 Days or Net 30 Days.
 Shipment 300 days or less from receipt of order.
 Note: Pricing is in effect for 60 days.

THANK YOU:


 Marty Elliott
 Sales Account Representative
 Zamboni Company Ltd.


 Date



Resurface Corp.
25 Oriole Parkway East
Elmira, Ontario, Canada
N3B 3A9
Tel: 519-669-1694
Fax: 519-669-8896

May 16, 2019

Astorville Arena
1267 Village Rd
Astorville, Ontario

Attention: Ms. Sharon Kitlar

QUOTATION

1	OLYMPIA Millennium H Ice Resurfacer (Front Dump)	\$83,990.00
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EQUIPMENT INCLUDED IN THE ABOVE PRICE

1	Hydrostatic Transmission	
1	Emission Control System (3-Way Catalytic Purifier & Fuel Management System)	
1	Board Brush	
1	Automatic Snowbreaker	
1	Towel Bar Lift	
1	Easily Accessible Sled Lift Greasing System	
1	Propane System installed (does not include tanks)	
1	Wash Water System-Stainless Steel Tank	
1	Stainless Steel Flood Water Tank	
1	Wheel Wash System	
1	Galvanized Conditioner	
4	Blades 84" X 5" X 1/2"	1 Blade Protector
1	Set of Blade Hooks	1 Tool Kit
1	Spare Tire	1 Light Package
-1	Trade in of 2006 Zamboni	-\$ 2,000.00

HST 13% Extra

Terms: 1% 7 days, Net 30 days

FOB: Astorville, Ontario

Terms: 1% 7 days, Net 30 days

Warranty: 2 Full years. Parts, Labour and Mileage. A loaner will be provided at No Charge if warranty work needs to be completed at factory.

Dave Freeborn
(519) 721-4337 (Cell)

Olympia – when your ice needs a Smooth Clean Shave