



Appendix C

Staff Report for City Manager Delegated Authority

Date: July 29, 2019

Report Number: SRCS.19.23

Department: Community Services

Division: Public Works Operations

Subject: Non-Competitive Acquisition of Two (2) Multi-purpose Articulating Sidewalk Machines (SRCS.19.23)

Purpose:

Community Services, Public Works Operations Division is seeking Council approval for award of exempt acquisition greater than \$500,000.00 in accordance with the Procurement By-law No. 113-16.


Recommendation(s):

- a) That the contract for the provision of (2) Growth Related and (2) Replacement articulated tractors with attachments be awarded to Joe Johnson Equipment Inc. at the cost of \$588,192.00 (exclusive of taxes),
- b) That Council approve Joe Johnson Equipment Inc. as the exclusive supplier for trackless parts, services and equipment to the City for a term of 5 years ending December 31, 2024, pursuant to Procurement By-Law #113-16, Appendix B, Part 1 - Sole Source Acquisitions, Section c) to ensure the compatibility with existing products to recognize exclusive rights such as patent, copyright or license, or to maintain specialized products that must be maintained by the manufacturer or its representative;
- c) That the Mayor and the Clerk be authorized to execute any necessary documentation to effect the contract and, if exercised, the option(s) to extend the contract, upon the recommendation of the Commissioner of Community Services.

Contact Person:


Contact: Grant Taylor, Director of Public Works Operations, extension 2966

Submitted by:



Ilmar Simanovskis
Commissioner of Community Services

Approved by:



Neil Garbe
Chief Administrative Officer

Background:

Articulating sidewalk machines are a multi-use unit that can be outfitted to perform various jobs but are primarily used for sidewalk snow plowing, snow blowing, trail maintenance, sidewalk inspections and sidewalk sweeping.

In January 2012, RFQ-02-12 was issued for the purchase of two (2) Articulating Sidewalk Machines funded through the 2011 Capital budget. RFQ-02-12 resulted in Joe Johnson Equipment being the successful compliant bidder and was awarded a contract for the supply and delivery of the two sidewalk machines. Subsequent to this initial award, a five (5) year sole source acquisition agreement was approved by Council and during this time approximately 22 additional and replacement machines have been purchased.

The City of Richmond Hill has the largest fleet of trackless articulated tractors in the province, bolstered by an impressive support team at Joe Johnson Equipment Inc. The time invested in training operators and maintenance staff, the large parts inventory and the vast number of interchangeable attachments make this the ideal machine for the City's sidewalk maintenance purposes. To switch vendors at this time would not be fiscally responsible and could jeopardize the implementation plans of the windrow program and render thousands of dollars' worth of attachments redundant.

Joe Johnson Equipment is the exclusive dealer for Trackless Vehicles Limited in central Ontario, Quebec, Manitoba and Alberta. Approval for the non-competitive acquisition is requested in accordance with Procurement By-Law #113-16, Appendix B, Part 1 - Sole Source Acquisitions, Section c) to ensure the compatibility with existing products to recognize exclusive rights such as patent, copyright or license, or to maintain specialized products that must be maintained by the manufacturer or its representative.

FINANCIAL/STAFFING/OTHER IMPLICATIONS:

Joe Johnson Equipment has agreed to carry their 2019 pricing forward for the 2020 model year. The cost to purchase the sidewalk machines including attachments is \$147,048.00 per machine, excluding applicable taxes.

The acquisition of two sidewalk replacement and two growth related machines was approved through the 2019 Capital budget process. The Capital account has sufficient funding for the purchase.

RELATIONSHIP TO THE STRATEGIC PLAN:

The purchase of the trackless sidewalk machines supports the provision of services currently performed by Public Works Operations. This initiative is consistent with the Strategic Plan Goal of Wise Management of Resources by ensuring the availability and suitability of equipment.

CONCLUSION:

That Council approve the non-competitive acquisition of two sidewalk machines including attachments to Joe Johnson Equipment.

ATTACHMENT:

- Quote from Joe Johnson Equipment Inc.



**Joe Johnson
Equipment**

Subsidiary Of Federal Signal Corporation

Tuesday, July 16, 2019

Town of Richmond Hill
1200 Elgin Mills Road
Richmond Hill, ON
L4S 1M4

RE: Trackless MT7 Articulating All-Season Tractor Quotation

We would like to take this opportunity to thank you for your interest in Joe Johnson Equipment (JJE) Canada's largest supplier of environmental equipment.

As proud distributors of Trackless Vehicles Ltd.'s innovative multi-purpose municipal tractors, JJE is pleased to present the following quotation to provide one (1) new Trackless MT7 Municipal Tractor.

We appreciate the opportunity to assist with this equipment requirement and ask that you not hesitate to contact us should additional information be required.

Respectfully Submitted,

Dean Smith
Regional Sales Manager
Joe Johnson Equipment
Cell: (705) 794-2518
Office: (705) 733-7700
dsmith@jjei.com



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2521 Bowman St. Innisfil, ON L9S 3V6

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Joe Johnson Equipment

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Quotation

To provide one (1) new Trackless MT7 municipal tractor, standard-equipped as detailed below:

Engine:

- John Deere - Tier 4 final
- 74 BHP @ 2500 RPM, turbo charged
- 4.5 Litre (275 cu. in.)
- Torque 224 lb-ft. @ 1,600 RPM
- Equipped with anti-idle feature, cold start aid, block heater and air breather warning lamp
- Large capacity air breather with direct connection to pre-cleaner
- Automatic reversing engine fan

PTO

- Front PTO 1-3/8" spline, 540 RPM
- Twin Disc over center clutch with electric over hydraulic actuation
- Reduction box 4:1

Hitches

- Trackless quick hitch with dual lift cylinders

Powertrain:

- Sauer Danfoss hydrostatic/electronic transmission and motor
- Controlled by electronic truck style foot pedal programmed to control hydrostatic independently or both engine RPM and hydrostatic simultaneously
- Trackless mechanical transmission with high/low range and neutral
- Dana Style Model 60 full float axles with new heavy duty alloy spindles.
- Limited slip differentials 7,000 lbs. capacity

Hydraulic Systems:

- 20 GPM hydraulic gear pump driven by timing gears of engine
- 14 GPM secondary hydraulic gear pump
- Low hydraulic oil warning
- Six (3 pair) low volume front hydraulic couplers for attachment control
- Two (1 pair) high volume hydraulic couplers to power attachments requiring approximately 16 GPM
- Two (1 pair) additional ports in front of cab for addition of optional second high flow circuit
- Two (1 pair) high volume hydraulic couplers at rear of tractor
- Cartridge type hydraulic filter mounted at highest point in system to allow dry changes
- Steel hydrostatic lines



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Braking Systems:

- Hydrostatic dynamic braking programmed for smooth deceleration
- Hydraulic service brakes on all 4 wheels
- Service brake application also activates more aggressive hydrostatic braking
- Mechanical parking brake with warning buzzer

Steering:

- Articulated steering, 35° each way
- Turning radius approximately 8' inside
- Steering column includes hazard button, signal lever and centre mounted horn
- High strength spherical bearings for pivot pins and steering pins
- Greasable bearings and pins greasable
- Load sensing steering. Oil is only circulated to the steering cylinder when needed. This creates less heating for the hydraulic oil

Capacities

- Fuel Tank - 92 litres (24 US gallons)
- Coolant Tank - 22 litres (6 gallons)
- Hydraulic Oil Tank - 76 litres (20 gallons)

Speeds:

- Low range: 0 to 12 km
- High range: 0 to 30 km

Lights:

- Four (4) halogen headlights
- One (1) halogen backup light
- Two (2) rubber mounted shockproof LED tail lights
- One (1) interior dome light
- LED Front and rear signal lights and 4-way flashers
- Eight (8) amber strobe lights with branch guard
- High beams

Exterior Finish:

- All steel components including cab prepped in 5-stage phosphate wash, 2 part epoxy primer with rust inhibitor
- 2 part polyurethane automotive top coat, oven baked
- Latches, linkages, levers, battery hold down straps and bolts, support rods, striker plate, shifter gate and various small brackets zinc plated
- Colour highway yellow and black trim, grey/black interior



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Cab Features:

- Certified Rollover Protection Structure (ROPS) cab, steel roof with rain gutters
- Completely redesigned ergonomic cab interior
- Digital dash with full color monitor: tachometer, speedometer, hour meter, fuel level, engine coolant temp, hydraulic oil temp, engine oil pressure, voltmeter. Included color back up camera
- Full climate control with air conditioning with 12 vents in total, defroster, 7 speed auxiliary heater and cab pressurizer with fresh air intake. Cab temperature will remain constant when set
- Two (2) outside and one (1) inside rear view mirror
- AM/FM stereo, dual speakers and external aerial with amplifier
- Cell phone holder, door pocket and storage tray
- Gas strut door cylinder and safety strap
- Tilt steering column with horn, self-cancelling signal lever and hazard button
- DOT approved tinted tempered safety glass
- Left and right side slider windows
- Intermittent front wiper and washer
- Rear wiper and washer
- Conaflex sound deadening, sound barrier floor matting
- Outside Cab Sound: 64 dBA at 50'. Outside Cab Sound: 74 dBA
- High back, fabric covered air ride seat with lumbar support and 3-point retractable orange seat belt
- Air ride seat switch is remote mounted in the switch panel for easy access
- Adjustable left arm rest and large padded right armrest
- Joystick - heavy duty base and pivot, wide sweep angle and forward, neutral, reverse switch (F-N-R) Main float switch is right beside FNR
- Joystick control with 8 backlit membrane switches.
- Three (3) float position switches also have additional LED indicator light. Switches color coded to circuits
- Joystick selector switch to automatically configures joystick for attachments
- A new joystick function feature allows operator to move both 5-way plow wings together at the same time
- **Ride control calculates shock load, and cancel out tractor bounce**
- Cruise control

Exterior Features:

- All steel, quick release hoods, two hinged access doors
- No tools required to remove side hoods, rear grille and top hood
- Lighter top hood manufactured from aluminum for easier lifting
- Rear grille can hinge up and slide sideways for quick removal to allow cleaning of radiator or oil cooler
- One side service - all daily checks and all filters are on the driver's side, where there are hinged access doors. For convenience as well as to eliminate having to access the engine compartment on the right side where the DPF, DOC and the complete exhaust system is located.
- Large bearing Centre frame vs. old centre frame liner
- Heavy duty 10 gauge steel fenders



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Electrical:

- Multiplex electrical: 70% less wiring with enhanced diagnostics
- On board Self-Diagnostics computer checks all systems and determines causes of any faults
- 950 CCA Group 31 battery, 200 amp alternator
- Battery disconnect switch and remote battery terminal
- Hinged overhead switch panel
- Main circuit breaker protection
- Mini blade fuses mounts in IP67 watertight enclosure
- Variable flow sander switch
- Sander Auto / Run switch

Tires and Wheels

- LT 245/75R x 16, 10-ply radial winter tires on HD 16" 8-bolt rims

Safety Features:

- Neutral safety start switch
- Automatic hydraulic power shut off and PTO shut down: If operator leaves seat
- Automatic engine shut down: If operator leaves seat with shifter not in neutral position
- Automatic hydraulic power shut off: If rotary mower wings are raised
- Articulation lock
- External lift cylinder switch for attachment hook up
- A wire protection guard encloses the engine fan.
- Reflective striping on both sides, rear of tractor, rear hood and below tail lights
- Safety, danger, caution and pinch point decals
- Backup alarm automatically activated by the F-N-R Switch lever

Including the Following Attachments & Options:

- High Range Travel Lockout - to prevent operation of attachments in high range
- Rear salt & sand spreader with triple agitator
- 5 Position Folding V-Plow
- Greasing System – MT7 & Rear salt & sand spreader only
- Electric Locking Differential in Front Axle
- Ride Control

Purchase Price..... per unit \$147,048.00

Additional Attachments to Consider:

Boom Flail Mower Requires Dual Loader Lug Tires each \$31,650.00
Dual Loader Lug Tires (set of 8 Tires, Rims & Hardware) \$5,100.00

Terms & Conditions

Prices in Canadian dollars, taxes extra,

Quotation valid for 14 days

F.O.B.: Richmond Hill, ON

Terms: Net 30 Days

Delivery: To be determined at time of order



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