



**STAFF REPORT
ACTION REQUIRED**

Authorization For Sole-Sourced Purchase Of One Demonstrator Specialized Rescue Bronto Fire Apparatus for Emergency Rescues

Date:	April 20, 2007
To:	Community Development and Recreation
From:	Fire Chief and Director Purchasing and Materials Management Division
Wards:	All Wards
Reference Number:	p:\2007\ClusterB\FIR\cd07007

SUMMARY

Toronto Fire Services (TFS) seeks Council’s approval for the sole source purchase of one demonstrator model specialized rescue Bronto fire apparatus from E-One Inc. that provides a telescopic articulating boom rescue platform (rescue basket) to assist with complex rescue incidents. The purchase of this Bronto would provide Fire Services with a total of 3 hydraulic telescopic rescue platforms to assist with complex rescue efforts of victims across the City.

RECOMMENDATIONS

The Fire Chief and the Director, Purchasing and Materials Management Division recommends that:

1. Authority be granted to award a sole source contract for the purchase of one (1) Bronto fire apparatus in the amount of \$1,247,500.00 net of GST (fire vehicles are P.S.T. exempt at source) to E-One Inc.

Financial Impact

The total cost for the purchase of one Bronto fire apparatus is \$1,322,350.00 including all taxes and charges (fire vehicles are P.S.T. exempt at source). The cost to the City net of GST is \$1,247,500.00. The funding for the purchase is available in the approved 2007 Fleet Services’ Capital Budget in project CFL014-8 (Fleet Replacement Program-Fire Services-2007).

If TFS considers ordering a truck at today's prices that is not in inventory from E-One Inc. the quoted price for the equivalent Bronto vehicle before taxes is \$1,299,500.00 net of GST as opposed to the \$1,247,500.00 net of GST price for a demonstrator unit excluding taxes. Under the agreement, E-One Inc. is providing a per vehicle savings on the demonstrator of \$52,000.00 net of GST and the City avoids the usual lag time of up to 18 months between ordering and manufacturing of the vehicles. The demonstrator is not subject to any operational wear and tear prior to acquisition and is not subject to any additional operating or depreciation costs.

The Deputy City Manager and Chief Financial Officer has reviewed this report and agrees with the financial impact information.

COMMENTS

Specialized Fire Apparatus for Rescues

The purchase of this Bronto would provide Fire Services with a total of three identical matching hydraulic telescopic rescue platforms to assist with complex rescue efforts of victims across the City. Two Brontos are used in the South Command and the new Bronto will be used in the North Command and will replace an aerial ladder truck currently in service.

The Bronto fire apparatus is specifically designed to allow the rescue platform at the end of the hydraulic boom to be manoeuvred in a variety of positions to allow the placement of the rescue platform to assist with the rescue of victims and firefighting operations. A sole source purchase is required as research indicates the only type of vehicle capable of providing these rescue functions is the Bronto RLP114 supplied through E-One Inc. who is the North American distributor for Brontos.

The articulating boom provides the capability to adjust the platform to align to the rescue situation, assisting with the rescue of the victim. The hydraulic mechanism allows the rescue platform to be lowered or raised by approximately 22 feet with the use of an attached articulating arm at the end of the 92-foot telescopic boom, to assist with rescuing individuals in awkward angles from high-rise buildings, bridges or on elevated roadways. The Bronto fire apparatus is designed and manufactured to the required specifications for this purpose. The articulating configuration is not designed or available on standard aerial ladders or platform aerials manufactured in North America.

Toronto Fire Services Requires the Bronto for operational needs

The following outlines the importance to fire fighting operations:

- provides the ability to manoeuvre around hydro lines and streetcar power lines,
- allows the capability to access areas and buildings not available by use of any other ladder or apparatus,
- provides the ability to gain access by positioning the apparatus and using the hydraulic rescue platform in congested areas and difficult to reach areas in and around buildings or along major roads, and

- provides the ability to work below grade at an adjustable distance by use of the telescopic boom not previously available from fire trucks in such vulnerable places as the waters edge.

The design of the hydraulic boom control and user friendly features incorporated in the design maximizes safety and rescue capabilities. The Bronto has been designed to allow for smooth operation and durability for responding to emergency incidents in major urban cities.

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