



CITY OF HAMILTON

PUBLIC WORKS DEPARTMENT
Corporate Assets and Strategic Planning Division
and
Operations Division

TO: Chair and Members Public Works Committee	WARD(S) AFFECTED: CITY WIDE
COMMITTEE DATE: October 7, 2013	
SUBJECT/REPORT NO: Single Source Dump Truck Sander Bodies and New Sander Body Technology Trial (PW13073) - (City Wide)	
SUBMITTED BY: Gerry Davis, CMA General Manager Public Works Department	PREPARED BY: Lyle Stedman, Manager, Central Fleet (905) 546-2424, Extension 4593 Bryan Shynal, Director of Operations (905) 546-2424, Extension 4622
SIGNATURE:	

RECOMMENDATION

- (a) That the Single Source Purchase of three Monroe Truck Equipment auger drive sander bodies be approved in accordance with the City's Procurement Policy #11 - Single Source Purchase
- (b) That the vendor Allstone Equipment in Schomberg, Ontario be allowed to be named in the tender document as the sole Canadian supplier of the Monroe Auger Drive Bodies.

EXECUTIVE SUMMARY

The City is currently developing a tender to replace fifteen aged winter control dump trucks. These trucks are being replaced as part of their scheduled life cycle replacement and will be funded from the City Fleet Reserve. As part of this tender, staff are proposing to pilot a new road salt and sand auger design dispensing technology in three of the fifteen trucks. During the research into the competitive designs the Public Works, Roads and Maintenance Superintendents brought forth information on a new

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salt/sand spreader technology that they believe may be better suited to serve their operational needs and provide improved performance and reliability. This technology dispenses road salt/sand using an auger driven system versus the traditional chain driven technology current used by the City. The new auger technology uses fewer moving parts and has the potential to improve road salt application and reduce maintenance costs. This product is currently in limited use in a few US states and in the City of Toronto. It is a patented design. Currently, Allstone Equipment in Schomberg Ontario is the sole Canadian supplier of the Monroe Auger Drive Bodies.

Central Fleet has a balance of fifteen dump truck sander units to be purchased from the 2012 and 2013 Fleet Capital Plan that will be fitted with twelve dump truck sander bodies all acquired through competitive bids. The remaining three dump truck sander bodies will be purchased using the Monroe Truck Body single source specification.

To complete the 2013 purchase Central Fleet is requesting that a single source purchase be approved to buy three dump truck sander bodies incorporating the new auger drive technology from Monroe Truck Bodies via their Ontario dealer Allstone Equipment.

This will allow Central Fleet and Roads & Maintenance departments to evaluate the new sander technology as fit-for-purpose pilot project.

Alternatives for Consideration - Page 3

FINANCIAL / STAFFING / LEGAL IMPLICATIONS

Financial: There is no impact to the Capital budget. The purchase of fifteen dump truck sanders is approved in the 2012 and 2013 Fleet Replacement Capital Budgets and any cost difference between the proposed auger systems and the traditional chain dispensing system will be negligible.

The estimated annual maintenance/repair savings to the operating budget for the three test units is set at \$5,600 due to expectations of increased reliability. This will be evaluated by staff as part of the pilot project.

Staffing: N/A

Legal: N/A

HISTORICAL BACKGROUND

The City of Hamilton Public Works Department, Roads & Maintenance Section currently uses a chain driven salt/ sander technology. Central Fleet and Road staff have been investigating opportunities to improve reliability and reduced costs.

The new auger device uses a different drive system and is currently in limited use in a few US states and in the City of Toronto. The product is an alternative design to the traditional chain drive salt/sander dispenser. The new auger style drives is expected to increase the system reliability by the use of fewer moving parts.

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Monroe Truck Equipment is the manufacturer of the auger design and has provided references. Our inquiries to current users and site visits to the local distributor of the product have resulted in good reviews and positive endorsements.

POLICY IMPLICATIONS/LEGISLATED REQUIREMENTS

N/A

RELEVANT CONSULTATION

Public Works, Operations Division, Roads & Maintenance Section
Corporate Services, Financial Services, Procurement

ANALYSIS / RATIONALE FOR RECOMMENDATION

The Procurement Policy By-Law # 12-255 Policy 11 allows for non-competitive procurements and the single source purchase of goods and services.

The City of Hamilton currently replaces approximately six centre chains per year at a total cost of repair of \$10,000. The cost of downtime to make the repair is estimated at four hours and the charge out rate for the equipment is \$56.04 per hour for total annual downtime cost of \$1350. The overall anticipated annual operating budget saving for the three units is expected to be \$5600.

ALTERNATIVES FOR CONSIDERATION

To direct staff to maintain the existing competitive bid procurement process for all fifteen trucks using conventional chain technology.

ALIGNMENT TO THE 2012 - 2015 STRATEGIC PLAN

Strategic Priority #2

Valued & Sustainable Services

WE deliver high quality services that meet citizen needs and expectations, in a cost effective and responsible manner.

Strategic Objective

- 2.1 Implement processes to improve services, leverage technology and validate cost effectiveness and efficiencies across the Corporation.

APPENDICES / SCHEDULES

None