

TORONTO TRANSIT COMMISSION REPORT NO.

MEETING DATE: December 6, 2007

SUBJECT: PROCUREMENT AUTHORIZATION AMENDMENT
DESIGN SERVICES – FALL PREVENTION – MISCELLANEOUS
LOCATIONS
CONTRACT G85-175
CONTRACT AMENDMENT NO. 1

RECOMMENDATION

It is recommended that the Commission authorize Contract Amendment No. 1 to Hatch Mott MacDonald Ltd. (HMM) in the amount of \$900,000.00 for Fall Prevention Design Services – Miscellaneous Locations, to continue the surveys, certifications of existing systems and to begin development of designs.

FUNDING

Sufficient funds for this expenditure are included in Project 3.2 Equipment, Fall Prevention Systems (as set out on pages 601-603 - Legislative Category) of the 2008-2012 TTC Capital Program, which was approved by the Commission on November 14, 2007.

BACKGROUND

The Fall Prevention Systems Project entails the design and installation of fall prevention and fall arrest systems at all Commission buildings, garages, subway stations, SRT stations, carhouses, vent shafts and miscellaneous facilities, to ensure compliance with the Occupational Health and Safety Act (OHSA). The number of locations totals 318. Also included are the certification and/or modifications to existing systems, to enable certification. To achieve this, typical system installations might include structural rail supports and associated building upgrades, lifelines, rooftop and interior railings, access stairs, ladder upgrades, etc., which will enable maintenance workers to safely carry out their duties on vehicle roofs and other high places.

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At its meeting of November 28, 2005, the Commission approved the award of Contract G85-175 to Hatch Mott MacDonald Ltd., in the upset limit amount of \$600,000. It was expected that the upset limit amount would only be sufficient to commence activities. However, based on the scope of the proposal document, it was known that additional funds would be needed, as scope requirements were identified/developed.

Contract details are as follows:

Original Contract Amount	\$ 600,000.00
Increase for Amendment No. 1	<u>\$ 900,000.00</u>
Revised Contract Amount	\$1,500,000.00

Work on Contract Amendment No. 1 is 0% complete.

DISCUSSION

HMM has performed a comprehensive survey at approximately 60% of the Commission's 318 locations in order to identify fall prevention requirements. The survey has enabled a better definition of the scope requirements, which has resulted in the work being categorized into the following eight (8) main elements. It is noted that additional scope items may be identified as the surveys continue. The main elements are; Existing Permanent Fall Protection Systems, New Permanent Fall Protection Systems, Railings, Pump Pits, Rooftop Access, Vent and Fan Shaft Access, Interior Mechanical Equipment Access and Windows and Skylights Access. As the surveys progress, the findings will be prioritized, designed and constructed.

HMM has also just begun work to certify the eighty (80) existing fall arrest systems at Commission buildings, garages, carhouses and shops, by early 2008. In addition, HMM developed a report to identify the requirements for 25 New Permanent Fall Protection Systems (Horizontal Life Lines) at the existing garages, carhouses and shops, and these are currently being prioritized for design and installation.

In order to continue the surveys, certifications of existing systems, and begin the development of designs, it is recommended that the upset limit be increased by \$900,000.00, based on estimates provided by HMM. It is expected that this work will continue to mid 2008. Once the surveys are complete and all fall prevention requirements are known, additional funds and/or contract authorization will be needed to address all identified requirements.

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JUSTIFICATION

The Occupational Health and Safety Act states that workers who are carrying out their duties 3 metres or higher above ground require a fall prevention device.

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