

TORONTO TRANSIT COMMISSION REPORT NO.

MEETING DATE: September 19, 2007

SUBJECT: WILSON YARD - FLEET ACCOMMODATION
AUTHORIZATION OF FUNDS

RECOMMENDATION

It is recommended that the Commission:

1. Authorize staff to incur costs for the completion of construction, electrification and signalization of three (3) storage tracks at Wilson Yard in the maximum amount of \$1,100,000 in 2007, noting that this amount includes staffing resources required to complete the work;
2. Forward this report to City of Toronto Council to request additional project approval of \$1,100,000 bringing the current project approval level to \$4,419,000; and
3. Approve holding the funds in TTC accounts pending approval by City of Toronto Council so the work may commence immediately.

FUNDING

Total project funds of \$9.5 million are included in Project 3.9 Wilson Yard Fleet Accommodation as outlined on pages 831-833 of the TTC 2007-2011 Capital Program, which was approved by City Council on March 7, 2007.

Approximately \$3.3 million were spent in 2000 to complete the first phase of the construction of six additional storage tracks which included installation of the tracks using a minimum amount of material and provided no power or connection to the rest of the Yard. The remaining funds in the project of \$6.2 million were planned to be spent in 2009 and 2010 to complete the project at that time. The proposed 2008-2012 Capital Program includes advancing the project to completion in 2008 and 2009. However, \$1,100,000 are required to be advanced to 2007 in order to complete the construction, electrification and signalization of three of the storage tracks. This work is required to accommodate loss of storage tracks during the construction of the Wilson Carhouse Modifications for the New Subway Trains (Toronto Rocket) project expected to start in the spring of 2008.

BACKGROUND

The Wilson Carhouse Modifications for New Subway Trains (Toronto Rocket) project was initiated in 2007 to accommodate the maintenance of the new six-car fixed formation Toronto Rocket. The east extension to the carhouse will add two new six-car maintenance tracks and the south extension will extend the carhouse by two car lengths making it long enough to fit a six-car train.

Construction is phased to minimize impacts on the carhouse operations. However to facilitate construction, a number of storage tracks will be temporarily unavailable.

The Wilson Yard Fleet Accommodation project was initiated to provide storage tracks for twelve trains (72 cars) to accommodate the increase in subway cars purchased under capital program 4.12 Purchase of 234 New Subway Cars. The completion of the project was scheduled for 2010, concurrent with the final delivery of subway trains. The first phase of the project was completed in 2000 to resolve the immediate need for additional storage space. This first phase included the installation of the additional six storage tracks using a minimum amount of material and provided no power or connection to the rest of the Yard.

DISCUSSION

The six unpowered and unsignalled storage tracks at Wilson Yard provided relief from overcrowding and they have been adequate for the storage of mothballed equipment and cars awaiting disposal. In their current status, these tracks cannot be used for revenue service trains.

There is no opportunity to store trains at Greenwood or Davisville Yards as both yards are at capacity. Also twelve trains are currently stored on the line every night. Therefore any loss of storage tracks at Wilson during the construction of the Wilson Carhouse Modifications for New Subway Trains project will have to be accommodated within the Wilson Yard.

The completion of the construction, electrification and signalization of three of the six storage tracks will resolve the need, resulting from the construction, for additional storage tracks within the Wilson Yard. Otherwise, the Yard will become choked, maintenance efficiency will be compromised and subway service reliability will be significantly affected.

The Wilson Carhouse Modifications for New Subway Trains project is scheduled to start construction in the spring of 2008 in order to complete the east extension by October 2009, in time for the arrival of the first Toronto Rocket. The temporarily loss of tracks will coincide with the start of construction. Therefore the three storage tracks will have to be completed prior to the end of 2007.

The work to complete the three storage track involves work by TTC Track and Structures forces, Signals and Electrical forces and an outside contractor for the associated civil work. It is estimated that the work will cost approximately \$1,100,000 to complete. As the work has to start immediately, the funds will be held in TTC accounts pending approval by City Council.

JUSTIFICATION

Commission Approval to proceed with the construction, electrification and signalization of three (3)

storage tracks at Wilson Yard will enable the construction of the Carhouse modifications to proceed in the spring of 2008 as scheduled and for the east extension to be completed by October 2009, in time for the arrival of the first Toronto Rocket.

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