

TORONTO TRANSIT COMMISSION REPORT NO.

MEETING DATE: July 24, 2013

SUBJECT: WIRELESS NETWORK STATUS UPDATE

INFORMATION ITEM

RECOMMENDATION

It is recommended that the Board receive this report for information purposes.

FUNDING

This report has no financial impact on the TTC's operating and capital budgets.

BACKGROUND

On December 5, 2012, the TTC entered into an agreement with BAI Canada Inc. (BAI) for the wireless network in the subway system project for a fixed fee payable to the TTC in the amount of \$25 million for a 20 year term. In addition, BAI will pay the TTC an additional \$8,000 (plus applicable taxes) for design review cost, per TTC existing and planned 61 underground subway stations.

DISCUSSION

On January 25, 2013, BAI delivered to the TTC their preliminary project plans that indicated that the two pilot stations, St George and Yonge/Bloor, will be activated in December 2013. The plan also indicated that the rest of the system is being scheduled for completion by the end of 2017.

BAI paid to the TTC the first two quarterly instalments of the \$250,000 each with respect to the annual income in March and June on time meeting their contractual obligations. In addition, BAI also delivered the final project plan in March that outlined their detailed project delivery schedule.

BAI and the TTC continue progress in the following key areas:

- Key vendors for the Wi-Fi and the Distributed Antenna System (DAS) have been selected by BAI.
- Site surveys by the vendors for the Wi-Fi and the DAS are now completed.

- TTC co-ordination:
 - Proactive meetings with the Automatic Train Control and wireless teams on rollout synergies and concept to install fibre for Phase 1 is continuing;
 - Proactive meetings with radio communications group for the radio frequency philosophy and best way to move forward with drawings and design reviews is also on track;
 - TTC's Cable Shop has agreed to supply and install fibre for the prototype stations and is providing an estimate (likely install time frame in late June or early July) to BAI;
 - Meetings with the radio communications group regarding synergies with wireless network and CCTV project are continuing;
 - Proactive meeting with TTC and BAI senior management at TTC head office in May produced positive discussions on how to collaborate together. Follow up presentation to TTC senior management is expected by July, 2013;
 - TTC's project manager attended Transit Wireless (BAI's sister company) New York City's launch of their Wi-Fi/Cellular network in Times Square.

- BAI is in final negotiations for the first Base Station Hotel (third party equipment room) at either 145 King Street (above St. Andrew subway station) or 1240 Bay Street (above Bay subway station).

- BAI continues to meet with wireless carriers including: Bell, Rogers, Telus, Mobilicity, Wind and Public Mobile.

- On June 6, 2013, BAI delivered their installation plan and design plan for both St. George and Yonge/Bloor stations, thereby, meeting one of their key milestones. Their plans are presently under review by TTC staff.

JUSTIFICATION

It is anticipated that the design, installation, construction and full implementation of the wireless network will be completed by the end of 2017.
