

Toronto-York Spadina Subway Extension Project Status Update

Meeting Date: August 27, 2008

Subject: Toronto-York Spadina Subway Extension Project Status Update

Recommendation

It is recommended that this report be:

- a. Received for information, and
- b. Forwarded to the Toronto-York Spadina Subway Executive Task Force and the Move Ontario Trust for information.

Funding

There are no funding implications arising from this report. The project is now considered fully funded by the City of Toronto, York Region, the Province of Ontario and the Government of Canada.

Background

Public funding for the Toronto-York Spadina Subway Extension (TYSSE) project by the City of Toronto, York Region, Province of Ontario and Government of Canada has been committed. At the end of March 2008, it was confirmed that the project was funded for the foreseeable future and could engage in work at no risk to the Commission. Formal full project funding will be confirmed by the execution of a Federal Contribution Agreement expected shortly. The project start-up date was set as April 1, 2008. Activities to advance the project intensified immediately thereafter.

This report updates the Commission on the progress of the project, anticipated construction start dates for various project components and the overall delivery of the project (see Exhibits 1 and 2). The YYSSE project has or will move through the following phases to reach full implementation recognizing that this was started with a minimal organization at the beginning and mixed governance in place throughout the project.

Discussion

Given the above phases of the project, this report outlines the activities undertaken to date to complete Phase 1 and the anticipated activities/milestones (Phase 2). Also noted are some of the unique complexities of this project.

- The TYSSE project is the first TTC rapid transit line to be constructed across the City of Toronto boundary (into York Region). Approximately 2.4 kilometres including two stations will be constructed in the Regional Municipality of York to serve the City of Vaughan.
- The TYSSE project is the first rapid transit project in Toronto to be funded in part both by the Government of Canada and by another municipality (York Region). Phase 1 of the project is largely complete and Phase 2 has commenced. While some early construction contracts may be underway in 2008/2009, much of Phase 3 is not expected to commence until 2010. The planning, conceptualizing, design and procurement of large, complex station and tunnel contracts will take up to 24 months before major civil construction can be underway. Progress during this period will not be site visible, but the public will be kept informed by a variety of communications products and tactics.

Achieved to Date (Phase 1)

As a result of the significant progress to resolve various funding issues, approvals and agreements over the past 20 months, the TYSSE project is moving ahead to implement the project.

The project has made the following progress in the past 20 months to complete Phase 1:

- An Executive Task Force has been established to provide overall project oversight on the cross boundary issues and matters unique to this project.
- The Move Ontario Trust has been established to flow Provincial funding to the project.
- The Provincial and Federal EAs for the project have been approved.
- The Business Case for the project has been submitted and approved by the Federal government (Treasury Board). This allows Federal funding to flow to the project following the signing of the Contribution Agreement.
- A Contribution Agreement to secure the Federal funding for the project has been negotiated and the draft document has been agreed to in principle. The signing of the agreement is expected to take place in the immediate future.
- An integrated TTC/Consultant project management office, with the TTC as the overall project manager, has been established and office space fitted and occupied on May 26, 2008. The project staff now totals 38 professional and administrative staff.
- An initial construction contract (\$1.6 million) has been awarded for the Steeles West Sewer relocation; construction is underway and will be completed this fall. York Region and the City of Toronto have reached agreement on the following:
 - The capital cost allocation between York and Toronto. Agreement to be finalized shortly.

- The responsibility for operating and maintenance costs between Toronto and York. Agreement to be finalized shortly.
- The establishment of the City of Toronto as the central “banker” for funding received and advances to the City to flow to the TTC for the payment of project expenditures on a monthly basis.
- The City of Toronto and the TTC have signed a Memorandum of Principles with Parc Downsview Park (PDP) that will allow the project to proceed with design and construction of the necessary facilities on PDP lands.

a) Moving Forward (Phase 2)

With the achievement of the above milestones, the TYSSE project team is focused on the following steps to move the project forward to the design phase (Phase 2):

- Request for Proposals (RFP) for the design of the six stations were issued on July 31, 2008 with award of design contracts expected in September. The initial stations to proceed to design are expected to be Finch West, Steeles West and Vaughan Corporate Centre as these stations are the most complex, schedule critical and require early commencement.
- Design is expected to start early for the single track connection to Wilson Yard. It is intended that the construction of the Wilson Yard connection be an early contract in order to facilitate subway operations prior to commencement of revenue service and also avoid conflicts with simultaneous commissioning with the extension. It also addresses third party (PDP) interest that this contract be completed in the early stages of the project.
- Preliminary design of at least three stations will commence this fall with preliminary design completed in spring/summer 2009. At this milestone the station concept will be presented to the Commission and the public for review and comment.
- A concerted effort to attract innovative architecture in the station design is being made.
- A detailed construction logistics plan, finalization of the horizontal and vertical alignment, surveying of the alignment, prioritization of property acquisition, permits and approvals, agreements and development of traffic management and utility re-locations will be underway shortly.
- EA amendments will be initiated this fall with the consent of the affected property owners. The amendments are necessary to mitigate property impacts and/or address scope issues not addressed in the York and/or City/TTC EA approvals.
- Design of the tunnel contracts will commence including location of the Tunnel Boring Machine (TBM) launch and extraction shafts, the design of concrete tunnel liners and the detailed design of the various tunnel sections.
- A new website for the entire project and a public consultation strategy is currently being developed.
- Soils investigations (including an extensive bore hole program) will likely commence in late 2008. Drilling rigs undertaking numerous soil borings along the
- RFP for the retention of an Independent Engineer is currently advertised and will close in mid-August.

- An RFP was issued to make recommendation on a Project Delivery Strategy and a Value Analyst Consultant is expected to be retained and commence the analysis shortly.
- A risk analysis and consideration of options examined the procurement options and schedule implications for various scenarios to provide the tunnel boring machines required for the project. It has been determined by the risk analysis that regardless of scenario, a minimum of three tunnel boring machines must be ordered for the project to maintain schedule.
- Property acquisition for the critical properties required for the initial construction activities is currently underway and agreements in principle have already been reached with some property owners.

b) Future Public Events

The City of Toronto, York Region, the Province of Ontario, and the Government of Canada are planning a September 22, 2008 event to highlight the formal signing of the Contribution Agreement for the TYSSE project.

Justification

This progress report, outlining milestones to date and the activities for the year ahead, is provided to demonstrate that the project is making significant progress and is maintaining schedule.

August 6, 2008

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