

TORONTO TRANSIT COMMISSION REPORT NO.

MEETING DATE: September 24, 2009

SUBJECT: PROCUREMENT AUTHORIZATION
TRANSIT CITY LIGHT RAIL PROGRAM
SHEPPARD EAST LRT
CONSULTANT SERVICES

ACTION ITEM

RECOMMENDATION

It is recommended that the Commission authorize an amendment to URS Canada Inc., (URS) in the upset limit amount of \$14,500,000 for detailed design and engineering support during construction of the Sheppard East LRT from Don Mills Station to Meadowvale Road, Contract C02PC07884.

FUNDING

On July 9, 2009 the Commission approved forwarding a request to the City of Toronto to approve Capital funding of \$134.5 million for Transit City forecast expenditures and commitments to the end of 2009 to continue the planning, design, property acquisition, contract commitments and construction of the Sheppard East LRT, Eglinton Crosstown LRT, Finch West LRT and Scarborough RT projects.

The TTC 2008-12 Capital Program approved by City Council included \$12.8 million for Transit City projects. The TTC 2009-13 Capital Program approved by City Council included a further \$17.1 million to continue the preliminary planning and environmental assessments for Transit City and the Scarborough Rapid Transit Line. In total City Council has approved \$29.9 million for Transit City.

Discussions are underway between TTC, the City of Toronto and Metrolinx staff regarding the delivery of the transit projects in Toronto while continuing the momentum and progress by the TTC to complete the planning and proceed to implementation of the Transit City priority projects.

It is clear that agreements between Metrolinx and the City of Toronto/TTC to implement the priority projects will take some time. In recognition of the City's funding requirements, Metrolinx, TTC and City staffs are working on an interim agreement to provide funding for continued progress on the priority projects to the end of 2009. This agreement is expected to be executed by the first week of October.

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This project is funded by the Province and the Federal Government in the amount of \$950 million.

BACKGROUND

The Transit City Light Rail Plan consists of seven new light rail transit (LRT) lines, the Scarborough Rapid Transit and four maintenance and storage yards, that would, upon implementation, provide a network of rapid transit throughout Toronto. The Commission endorsed the Transit City plan at its meeting of March 21, 2007 and has since received several updates.

The Transit City Department has been created to manage and deliver the Transit City projects with a very aggressive schedule that aims at completing all the lines and the Scarborough Rapid Transit (SRT) in 10 years.

It was determined that, of the seven LRT lines in the Transit City Plan, the Sheppard East LRT is the best candidate to allow the TTC/City of Toronto to be in a position to start construction in 2009. This is because many of the issues related to future ridership, land use, physical constraints, etc., have already been identified in the previous EA that was conducted by URS in the Sheppard East corridor for the eastern portion of the Sheppard Subway.

On September 9, 2009 City Bid Committee awarded an advance sewer relocation and watermain replacement Contract for the Sheppard LRT with construction scheduled to commence on September 22, 2009. On September 9, 2009 the Commission closed Tenders for an advance detour road Contract at the Agincourt GO level crossing on Sheppard Avenue with construction expected to start in October.

URS has submitted a 30% design for the Agincourt GO grade separation with a scheduled construction start date of Spring 2010. URS are also completing the preliminary designs for the LRT way, structures, urban design, property acquisitions and road widening for the Sheppard LRT between Birchmount Road and Kennedy Road and between Midland Road and McCowan Road. Construction on these Contracts is scheduled to start in the Spring and Summer of 2010.

URS are providing on going design services for utility relocation work by Bell Canada, Toronto Hydro and Enbridge Gas. Some of this work will be included as part of the main Civil Contracts so that disruption to the community is minimized.

URS is also providing support to City of Toronto Technical Services for production of a 30% design of the Sheppard LRT from McCowan Road to east of Markham Road. Construction of this Civil Contract is scheduled to commence in the Spring of 2010.

URS has performed satisfactorily in the completion of these assignments.

This report addresses an amendment to award the design of the Sheppard East LRT.

DISCUSSION

In order to meet the 2009 start of construction target for an LRT line, staff began immediately on the EA for the Sheppard East LRT line. Based on the comprehensive knowledge of this corridor that URS gained from conducting the EA for the Sheppard Subway (that portion from Victoria Park Avenue to Scarborough City Centre), it was expected that URS would be able to complete this work in less time and at a lower cost as compared to other consultants, because they already had a good understanding of the existing conditions and issues with work inside this corridor. On September 17, 2007 sole source approval was obtained from the Chief General Manager (CGM) to issue a Contract to URS to complete the EA study.

On March 9, 2009 sole source approval was obtained from the CGM to issue a Contract Amendment to URS valued at \$300,000 to include detailed design work for the road and rail diversion and grade separation at the Agincourt GO level crossing, a media package and at the sole discretion of the Commission, and to allow for the detailed design of the remaining Sheppard Avenue East LRT line.

In addition and also to expedite the design and initial construction, the City of Toronto Technical Services Division was authorized to proceed with the civil portion of the design for a 2.2 km section. This portion of the civil work is not included in the work to be assigned to URS.

At it's meeting of April 3, 2009 the Toronto Transit Commission approved a Contract Amendment valued at \$4,409,832. The amendment included completion of the design, engineering support and contract administration services for the 6.7 km section between Birchmount Road and Neilson Road. The amendment also provided for geotechnical investigation, utilities investigation and streetscape design for the 2.2 km portion assigned to City of Toronto Technical services division.

As previously envisioned URS's comprehensive knowledge of the Sheppard right of way has continued to assist them in their work to date and confirms that they are able to complete this work in less time and at lower cost as compared to other consultants.

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To meet the aggressive design and construction schedule for the Sheppard East LRT a contract amendment for completion of design work by URS is required as follows:

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| Original Authorized Amount | \$ 400,000 |
| Previously Authorized Amendments | \$ 4,896,237 |
| Increase this Amendment | <u>\$ 14,500,000</u> |
| Revised Total Authorized Amount | \$ 19,796,237 |

This amendment increase is based on the URS work plan for "Sheppard LRT Extended Services Design and Contract Administration" dated April 30, 2009 and the URS work plan for "Sheppard LRT Extended Services Preliminary Design for the Sheppard LRT from Don Mills Station to Consumers Road". The costs submitted by URS are considered fair and reasonable.

This amendment will provide all remaining design work and engineering support during construction on the Sheppard LRT including civil and landscaping between Consumers Road and Birchmount Road and between Neilson Road and Meadowvale Road, traction power, overhead contact and communication systems from Don Mills Station to Meadowvale Road, nine substations, structures at East Highland Creek and Rouge River, a preliminary tunnel design from the Don Mills Station to Consumers Road and a cash allowance for Toronto Hydro relocation design at various locations and excludes the detailed design of the tunnel.

Current amendments to the URS Contract include funding for Construction Services which are the provision of Construction Engineers, Inspectors and Site Clerks.

JUSTIFICATION

Continuation of the design of the Sheppard East LRT is necessary to achieve the 2013 construction completion date.

September 15, 2009

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