



Consultant Services – Engineering Support and Design Standards

Date: July 7, 2021
To: TTC Board
From: Chief Capital Officer

Summary

The purpose of this report is to request the Board's approval to amend Contract TC85-5 Engineering Support and Design Standards Consultant – Toronto Transit City Light Rail Transit (LRT) Program to complete design review, testing and commissioning and safety/security certification of the Eglinton Crosstown LRT (ECLRT) and Finch West LRT (FWLRT) projects, and provide continued support of the Metrolinx Subway Expansion Program (Scarborough Subway Extension, Yonge North Subway Extension, Ontario Line and Eglinton West Extension).

Continuation of this contract will allow TTC to provide support for the completion of the work on the ECLRT, FWLRT. It will also provide support in the interim for the Provincial Subway Expansion Program until a new contract can be put in place on finalization of the resource agreement with Metrolinx.

This aligns with our Corporate Plan Critical Path 1: Transform for financial sustainability, Critical Path 3: Move more customers more reliably and Critical Path 4: Make taking public transit more seamless.

Recommendations

It is recommended that the TTC Board:

1. Authorize a contract amendment to WSP Canada Inc. for Contract TC85-5 – Engineering Support and Design Standards Consultant – Toronto Transit City LRT Program, increasing the upset limit amount by \$10,000,000 to \$56,000,000 (inclusive of HST) with the completion date from December 31, 2023 to December 31, 2024.

Financial Summary

The TTC currently has multiple purchase orders from Metrolinx covering reviews of designs, safety and hazard analysis, and the development of operating rules and

procedures for all four of the Subway Expansion Lines, as well as the Eglinton and Finch LRTs. The project scope and schedule for these projects are now managed by Metrolinx and therefore these purchase orders need to be maintained to ensure TTC's operating requirements are met. These purchase orders are full cost recovery for both TTC staff, consultant time and expenses. Ultimately, there is no financial impact to the TTC as all costs associated with work performed under this contract are recovered from Metrolinx by invoicing against these purchase orders.

Equity/Accessibility Matters

The TTC believes that all customers should enjoy the freedom, independence and flexibility to travel anywhere on its transit system. A cornerstone of the TTC's Corporate Plan 2018-2022 is accessibility, and as a proud leader in providing accessible public transit in the city of Toronto, we are committed to working towards accessible transit that is reliable, safe and inclusive for all of our customers.

The ECLRT, FWLRT and Metrolinx Subway Expansion Program are being designed to be accessible in accordance with the *Accessibility for Ontarians with Disabilities Act, 2005*) and the Ontario Building Code. Together, they will expand the transit network in Toronto and provide new, accessible transit on already busy corridors. They will also result in serving more residents and jobs while providing better mobility and reduced crowding on the busiest parts of the network. Overall, these transit expansion initiatives will provide greater access to transit in equity seeking areas of the city and Neighbourhood Improvement Areas.

The contract amendment proposed in this report will allow the TTC to continue its work in providing resources for the ECLRT, FWLRT and the Subway Expansion Program. This will facilitate the TTC's operating requirements for the projects being met and bringing them closer to completion.

Decision History

Contract TC85-5 was awarded on January 23, 2009 to support the engineering design for the LRT Program managed by the TTC at that time. In 2013, the Transit City LRT Program was transferred to Metrolinx. Contract TC85-5 is to supply staffing resources to support the TTC Engineering Department's role in the Toronto LRT program role. These staffing resources support the development of the TTC's operating requirements and the implementation of these requirements through design, construction, commissioning and safety/security certification of the Toronto LRT Program (ECLRT and FWLRT).

[https://www.ttc.ca/About the TTC/Commission reports and information/Commission meetings/2009/Jan 21 2009/Supplementary Reports/TransitCityLight R.pdf](https://www.ttc.ca/About%20the%20TTC/Commission%20reports%20and%20information/Commission%20meetings/2009/Jan%2021%202009/Supplementary%20Reports/TransitCityLight%20R.pdf)

The initial contract duration was amended to align with the original opening dates of the ECLRT and FWLRT. However, the opening dates for these projects have been extended, and at the time of writing of this report, the TTC has not received an updated project schedule. The initial contract funds were sufficient to support the ECLRT and

FWLRT. However, two factors have resulted in the contract requiring additional funds to complete work on the ECLRT and FWLRT. The first being the extension of the opening dates of the ECLRT and FWLRT, and the second being the additional scope added to the contract in June 2020 to include support of the Metrolinx Subway Expansion Program.

Issue Background

On Jan 23, 2009, Contract TC85-5 was awarded to provide staffing resources (further to be referred to as the consultants) for the TTC to manage the Toronto Light Rail Program. In 2012, the LRT Program was transferred to Metrolinx, and the TTC's role changed from program manager, owner, operator and maintainer to that of solely operator. At that time, the TTC began to develop line-specific operating requirements with support of the consultants. The intention was to include the operating requirements in the Project Specific Output Specifications (PSOS) being prepared by Metrolinx for the ECLRT and FWLRT.

The PSOS formed the basis for project agreement between Metrolinx and their contractor with the requirements being prescribed in a very descriptive manner leaving substantial room for interpretation. The TTC operating requirements were very prescriptive and therefore require a high level of engagement by Metrolinx and their contractors throughout the life of the projects to ensure that the TTC's operating requirements are met. The consultants have played a key role in this engagement process during the reviews of designs, safety and hazard analysis, and the development of operating rules and procedures. The ECLRT is preparing to enter into the Commissioning and Safety/Security Certification stage of the project and it is essential that the TTC retain consultants that have been actively involved and who have a high level of familiarity with the project.

In 2019, legislation was passed transferring subway expansion projects from the TTC to Metrolinx. In 2020, the TTC began negotiations with Metrolinx to define roles, responsibilities and funding agreements. During this time, Metrolinx was already actively involved in the conceptual design and development of the PSOS with the intention of entering into the procurement of construction contracts in 2021. With no agreements in place and work progressing on these projects, the TTC has had to rely on TC85-5 to provide staffing requirements.

With no additional consulting contracts in place to support this work, and the current funds remaining in TC85-5 anticipated to run out in Q4 2021, approving this amendment will enable the TTC to continue to provide the required level of engagement with Metrolinx to ensure operating requirements on ECLRT and FWLRT are met along with design and operational support on Metrolinx Subway Expansion Program.

Comments

Additional service contracts will be procured in order to support the TTC's role in the ongoing Metrolinx Subway Expansion Program on finalization of the resource agreement. In order to ensure continuity and quality of the work, existing contract staff will have to be maintained during the procurement and transition to the new contracts.

Below is a summary of previous amendments:

Amendment No.:	Amendment Description:	Amendment Value:
1	Name change from PB Americas Inc. to Parsons Brinckerhoff Canada Inc.	\$0.00
2	Revision to the Supplementary Conditions	\$0.00
3	Revision to the Supplementary Conditions	\$0.00
4	Revise Contractor Name to Parsons Brinckerhoff Halsall Inc. and the company's billing address	\$0.00
5	Negotiated Settlement – Foreign Exchange/Tax Equality	\$0.00
6	Revision to the Scope of Services	\$0.00
7	Revision to the Scope of Services	\$0.00
8	Revise the company name to WSP Canada Inc.	\$0.00
9	Revision to the Scope of Services	\$0.00
10	Contract Extension to December 31, 2023	\$0.00
11	Amend Scope of Services Div. 1, Clauses 2.4 to 2.7	\$0.00

Contact

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Signature

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03080-171-20