



## **Bloor-Yonge Station Capacity Improvements Project – Procurement Authorization for Bloor-Yonge Capacity Improvements Owner’s Engineer Consultant Services**

**Date:** May 19, 2022  
**To:** TTC Board  
**From:** Chief Capital Officer

### **Summary**

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The purpose of this report is to obtain authorization for the award of Contract S85-45, Bloor-Yonge Capacity Improvements Owner’s Engineer Consultant Services in the upset limit amount of \$22.5 million in Canadian funds, inclusive of all taxes, with a duration of 10 years from the Notification of Award, on the basis of highest total weighted score to AECOM Canada Ltd.

The work defined in this Request for Proposal (RFP) is to support the continued development and implementation of the Bloor-Yonge Capacity Improvements Project including, but not limited to:

- Developing technical documents for the procurement of a Progressive Design-Build (PDB) contractor, including Project-Specific Output Specifications (PSOS) and Owner’s Statement of Requirements (OSR).
- Supporting and participating in the PDB procurement process by contributing to Request for Qualification (RFQ) and Request for Proposal (RFP) documents, assisting in the evaluation of RFQ and RFP responses, and assisting with the selection of the PDB team.
- Helping the TTC prepare for and adapt to the PDB delivery methodology by providing training to TTC staff on the PDB delivery model and Lean project delivery processes; advising on how to integrate/modify TTC plans, procedures, etc. for PDB; and advising on policies, standards and technology to implement Building Information Modelling (BIM) within the TTC.
- Providing project planning support by assisting in the ongoing development of the Project Risk Register; identifying various approvals and permits required from agencies having jurisdiction; participating in public information sessions, presentations and community meetings; and preparing, managing and analyzing project schedule data.
- Providing project delivery support, including technical review of submittals from the PDB contract (i.e. Requests for Information, Shop Drawings, Submittals, Mock-Ups and Major Design Milestone Submissions); Estimating and Costing services as required; Value Engineering exercises as required; and advising on commercial matters as requested.

The work will be carried out on a Work Plan Release basis over a period of 10 years to coincide with, and provide consistent support throughout, the expected duration of the Bloor-Yonge Capacity Improvements Project.

## **Recommendations**

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It is recommended that the TTC Board:

1. Authorize the award of Contract S85-45, Bloor-Yonge Capacity Improvements Owner's Engineer Consultant Services, to AECOM Canada Ltd. in the upset limit amount of \$22,500,000.00, inclusive of all taxes.

## **Financial Summary**

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Funds for this expenditure are included in the TTC's 2022-2031 Capital Budget and Plan under Program 3.9 Buildings and Structures – Bloor-Yonge Capacity Improvements Project, as approved by the TTC Board on December 21, 2021 and City Council on February 17, 2022.

The total project budget for the Bloor-Yonge Capacity Improvements Project is \$1.514 billion, comprising of costs to the end of 2021 of \$26.749 million and funding of \$1.487 billion in the 2022-2031 Capital Budget and Plan. Of the approved funding in the 2022-2031 Capital Budget and Plan, approximately \$6.672 million has been committed to date.

Work will be administered on a Work Assignment Release basis. As each required task is identified, a work plan will be prepared with an estimate. Work will commence as authorized by TTC staff in the form of a Work Assignment Release and payment for services will be based on the terms included in the Contract documents, either on a fixed-price basis (for assignments with clearly defined deliverables, such as preparation of specifications), or a time-and-materials basis (for ongoing support work, such as review of builder submittals during construction).

The Chief Financial Officer has reviewed this report and agrees with the financial impact information.

## **Equity/Accessibility Matters**

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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 ensuring reliable, safe and inclusive transit services for all our customers.

The Bloor-Yonge Capacity Improvements Project is being designed to be accessible in accordance with the Accessibility for Ontarians with Disabilities Act, as amended 2005 (AODA), the Integrated Accessibility Standards Regulation, O. Reg. 191/11 (IASR), and the Ontario Building Code.

Consultation with stakeholders, including ACAT, will continue at key milestones for the Bloor-Yonge Capacity Improvements Project, including an online public information meeting planned for Q4 2022.

## **Decision History**

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On April 15, 2016, Contract S85-42 Bloor-Yonge Station Capacity Enhancement was awarded to AECOM Canada Ltd. to undertake an analysis of ridership and facilities at Bloor-Yonge Station, and development of a preferred concept design for the expansion of Bloor-Yonge Station.

In May 2017, City Council confirmed the expansion of the station as a priority project for Provincial and Federal funding, and requested the TTC to report on the status of the expansion of Bloor-Yonge Station.

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2017.EX25.1>

On April 11, 2019, the Board approved “Line 1 Capacity Requirements – Status Update and Preliminary Implementation Strategy” in which the expansion of Bloor-Yonge Station was identified as a key component to address capacity of the subway system.

[https://ttc-cdn.azureedge.net/-/media/Project/TTC/DevProto/Documents/Home/Public-Meetings/Board/2019/April\\_11/Reports/18\\_Line\\_1\\_Capacity\\_Requirement\\_and\\_Preliminary\\_Implementatio.pdf?rev=812341c5088e48fa8a0bc0d7e68ff199&hash=01979E9C12FC9BAE9B9CE8B70D026760](https://ttc-cdn.azureedge.net/-/media/Project/TTC/DevProto/Documents/Home/Public-Meetings/Board/2019/April_11/Reports/18_Line_1_Capacity_Requirement_and_Preliminary_Implementatio.pdf?rev=812341c5088e48fa8a0bc0d7e68ff199&hash=01979E9C12FC9BAE9B9CE8B70D026760)

On April 16, 2019, City Council endorsed the Bloor-Yonge Capacity Improvement Project (BYCI) as a priority project under the City of Toronto’s funding allocation of the Investing in Canada Infrastructure Plan (ICIP) Public Transit Infrastructure Fund (PTIF). All three levels of government are expected to contribute \$0.5 billion towards the estimated \$1.5-billion project. City Council approved funding for the municipal share in the 2020 budget process.

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2019.EX4.1>

On February 25, 2020, the Board authorized a contract amendment to AECOM to advance the design to approximately 30% and prepare the Stage Gate 3 – Project Performance Baseline deliverables.

[https://ttc-cdn.azureedge.net/-/media/Project/TTC/DevProto/Documents/Home/Public-Meetings/Board/2020/February\\_25/Reports/5\\_Bloor\\_Yonge\\_Capacity\\_Improvements\\_Procurement\\_Amendment\\_Au.pdf?rev=fb498802173745858c71ec71985792ef&hash=467A8CBC7B7D7129EABCBB3B113853AD](https://ttc-cdn.azureedge.net/-/media/Project/TTC/DevProto/Documents/Home/Public-Meetings/Board/2020/February_25/Reports/5_Bloor_Yonge_Capacity_Improvements_Procurement_Amendment_Au.pdf?rev=fb498802173745858c71ec71985792ef&hash=467A8CBC7B7D7129EABCBB3B113853AD)

On October 22, 2020, the Board authorized compensation, on a cost-recovery basis, to CreateTO for up to \$1.5 million from the approved BYCI project budget for their efforts to facilitate and project manage amendments to the existing ground lease at 2 Bloor St. E., as well as the acquisition of property requirements for the construction of the early works.

[http://www.ttc.ca/About\\_the\\_TTC/Commission\\_reports\\_and\\_information/Commission\\_meetings/2020/October\\_22/Reports/3\\_Bloor\\_Yonge\\_Capacity\\_Improvements\\_Early\\_Works\\_Property\\_Acq.pdf](http://www.ttc.ca/About_the_TTC/Commission_reports_and_information/Commission_meetings/2020/October_22/Reports/3_Bloor_Yonge_Capacity_Improvements_Early_Works_Property_Acq.pdf)

On June 16, 2021, the Board authorized acquisition of property requirements for the main construction works of the BYCI project.

[http://www.ttc.ca/About\\_the\\_TTC/Commission\\_reports\\_and\\_information/Commission\\_meetings/2021/June\\_16/Reports/3\\_Bloor%20Yonge%20Capacity%20Improvements%20-%20Main%20Property%20Acquisit.pdf](http://www.ttc.ca/About_the_TTC/Commission_reports_and_information/Commission_meetings/2021/June_16/Reports/3_Bloor%20Yonge%20Capacity%20Improvements%20-%20Main%20Property%20Acquisit.pdf)

On December 8, 2021, the Board approved the Bloor-Yonge Capacity Improvements Project – Stage Gate 3, including project preliminary design baselines and project delivery strategy.

[https://ttc-cdn.azureedge.net/-/media/Project/TTC/DevProto/Documents/Home/Public-Meetings/Board/2021/December-8/6\\_Bloor\\_Yonge\\_Capacity\\_Improvement\\_Project\\_Stage\\_Gate\\_3.pdf?rev=979a7824ad02435db6594f8e223ff779&hash=D93E644075BFA4D38944EC6FF913B836](https://ttc-cdn.azureedge.net/-/media/Project/TTC/DevProto/Documents/Home/Public-Meetings/Board/2021/December-8/6_Bloor_Yonge_Capacity_Improvement_Project_Stage_Gate_3.pdf?rev=979a7824ad02435db6594f8e223ff779&hash=D93E644075BFA4D38944EC6FF913B836)

## **Issue Background**

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Bloor-Yonge Station is a major transfer point in the TTC subway system. Line 1 is expected to experience significant ridership growth reflecting ridership generated from population growth from within and outside of the city of Toronto and the implementation of transit expansion initiatives, including the northerly extension of Line 1 Yonge-University.

Bloor-Yonge Station is a key pre-condition for further network expansion planned by the Province/Metrolinx, and has been identified as a priority project by the City of Toronto, Province of Ontario and Government of Canada.

It is anticipated that without modifications to Bloor-Yonge Station, overcrowding will increase dwell times, create bottle necks and reduce the level of service to customers at this critical interchange station and along Line 1 and Line 2.

This report aligns with the TTC Corporate Plan, including Critical Path 3 – Move more customers more reliably, and Critical Path 4 – Make taking public transit seamless.

## **Comments**

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The Bloor-Yonge Capacity Improvements Project has completed 30% design and Stage Gate 3 deliverables, including the project preliminary design baselines and the selection of Progressive Design-Build as the recommended project delivery strategy, which was approved by the Board on December 8, 2021. In support of the Progressive Design-Build delivery strategy, the TTC requires the services of an engineering consulting firm to act in the role of Owner's Engineer.

An RFP was publicly advertised on the MERX website as well as on the TTC's website as of February 16, 2022. Forty-four companies downloaded copies of the proposal documents, out of which one submitted a proposal by the closing date of March 23, 2022. Prior to the proposal closing, the TTC contacted the 44 companies to inquire if they intended to submit a proposal, to which three responded confirming that they would submit a Proposal. Following the closing date, the TTC contacted the companies that had downloaded copies of proposal documents to understand the reasons for not submitting proposals. The companies that responded to the TTC's inquiry provided various reasons, including not having enough resources available and/or opting to decline this opportunity to preserve their eligibility to participate in the Design-Build RFP to be issued at a later date (as the successful proponent for the Owner's Engineer role would be ineligible to participate on a Design-Build team).

During the proposal period, one addendum was issued. The proposal validity expires on September 19, 2022.

While AECOM's submission was the only proposal received, the TTC still evaluated their submission to ensure they were commercially compliant and pass the qualitative evaluation bar.

The qualitative evaluation included a rigorous review of criteria in four categories, described in Appendix A. A minimum score of 75% on the qualitative evaluation was required in order to proceed to review of pricing. AECOM's proposal exceeded the minimum required score (see Appendix B).

AECOM had a qualified and compliant submission and are recommended for award of a contract.

## **Contact**

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416-590-6881  
chris.duyvestyn@ttc.ca

## **Signature**

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Gary Downie  
Chief Capital Officer

## **Attachments**

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Attachment 1 – Appendix A – Evaluation Criteria  
Attachment 2 – Appendix B – Proposal Evaluation Summary

03085-313596064-35

## Appendix A

### Bloor-Yonge Capacity Improvements Owner's Engineer Consultant Services

#### Evaluation Criteria

##### A. Pass/Fail Requirements

- Team Lead – Proof of license issued by the Professional Engineers of Ontario or by the Ontario Association of Architects (including proof of any temporary or partial license).
- Deputy Team Lead – Proof of license issued by the Professional Engineers of Ontario or by the Ontario Association of Architects (including proof of any temporary or partial license).
- Structural Lead – Proof of license issued by the Professional Engineers of Ontario (including proof of any temporary or partial license).
- Architectural Lead – Proof of license issued by the Professional Engineers of Ontario (including proof of any temporary or partial license).
- Mechanical Lead – Proof of license issued by the Professional Engineers of Ontario (including proof of any temporary or partial license).
- Electrical Lead – Proof of license issued by the Professional Engineers of Ontario (including proof of any temporary or partial license).

##### B. Corporate Qualifications

- Background and Capabilities.
- Number of Years in Business.
- Depth of Available Relevant Resources at Proponent's office.
- Relevant Corporate Experience by Project.

##### C. Project Team Qualifications

- Number of Years of Direct Experience.
- Technical Qualifications.
- Relevant Experience by Project.

##### D. Proposed Project Methodology

- Strategies for Support and Guidance.
- Training Plan.
- Communications Culture and Engagement.
- Workshops and Meetings.
- Value Add.
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##### E. Pricing

## Appendix B

Bloor-Yonge Capacity Improvements Owner's Engineer Consultant Services  
Proposal No.: P11PB22040  
Contract S85-45

<u>COMPANY NAME</u>	<u>GRAND TOTAL WEIGHTED SCORE</u>	<u>Ranking</u>
<u>QUALIFIED PROPONENTS ACHIEVING A SCOPE OF 75.00% (60.00 POINTS) OR MORE BASED ON QUALITATIVE EVALUATION</u>		
<u>AECOM Canada Ltd. (*)</u>	<u>86.20</u>	<u>1</u>