



**For Action
with Confidential Attachment**

Install New Uninterruptable Power Supply (UPS) and Distribution System at Inglis Building – Delegation of Authority

Date: July 12, 2023
To: TTC Board
From: Chief Capital Officer

Reason for Confidential Information

This report contains information about a trade secret or scientific, technical, commercial or financial information that belongs to the City or local board and has monetary value or potential monetary value.

Summary

The purpose of this report is to obtain Board authorization to delegate authority to the TTC Chief Executive Officer to award Contract N1-25 – Install New Uninterruptable Power Supply (UPS) and Distribution System at Inglis Building, provided the contract award value is within the TTC Construction Cost Estimate, which is summarized in the Confidential Attachment.

Approval of delegated authority will allow the TTC to advance the award and construction commencement of Contract N1-25 by not waiting to award the contract until the next scheduled Board meeting on September 26, 2023. Advancing construction is required to bring the UPS and the Distribution System at the Inglis Building to a State of Good Repair in a timely manner and reduce the risk to critical communications systems.

The total bid price of Contract N1-25 comprises of all labour, equipment and material to replace the existing UPS and power distribution equipment at Inglis Building. The UPS and power distribution system will provide uninterruptable power to data centres for critical communication systems.

Contract N1-25 is part of the Building Facility Renewal Program (BFRP). The BFRP project allows for the life cycle replacement/renewal of the TTC's buildings and infrastructure. This includes studies, the condition assessment, and the state of good repair replacement of building elements/systems, such as heating, ventilation, and air conditioning equipment, boilers, power distribution equipment, and fire protection systems.

Recommendations

It is recommended that the TTC Board:

1. Delegate authority to the TTC Chief Executive Officer to award Contract N1-25 – Install New UPS and Distribution System at Inglis Building, provided that the contract award value is within the TTC Construction Cost Estimate, as set out in the Confidential Attachment and subject to prior confirmation by the Chief Capital Officer and Chief Financial Officer.
2. Authorize that the information in the Confidential Attachment remains confidential until such time as Contract N1-25 – Install New UPS and Distribution System at Inglis Building is awarded.

Financial Summary

Funds for this expenditure are included in the TTC’s 2023-2032 Capital Budget and Plan under Program 3.9 Buildings and Structures Program – Building Facility Renewal Program (BFRP) that was approved by the TTC Board on January 9, 2023, and by City Council on February 15, 2023.

The 10-Year Capital Plan includes a total of \$12.5 million for the BFRP comprising annual cash flow funding as outlined in Table 1 below. Of the total 10-year funding amount, approximately \$0.57 million has been committed to date.

Table 1 – 2023-2032 Capital Budget and Plan – Building Facility Renewal Program

Project Name	2023 Budget	2024	2025	2026	2027	2028-2032	10-Year Total
Building Facility Renewal Program	1,113.5	3,062.0	5,094.7	1,886.7	-	1,300.0	12,456.9

*(in thousands)

The total forecast for Contract N1-25 –Install New UPS and Distribution System at Inglis Building, is outlined in the Confidential Attachment.

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

Equity/Accessibility Matters

As a proud leader in providing accessible public transit in the city of Toronto, the TTC is committed to ensuring reliable, safe, and inclusive transit services for all our customers.

The work of this contract will be completed in non-public areas and TTC staff have reviewed the work of this contract and assessed that this contract does not reduce accessibility or create barriers to employees/contractors in the Inglis Building.

Decision History

There is no decision history on this matter.

Issue Background

The work of this contract consists of the supply of all labour, equipment and material to replace the existing UPS and power distribution equipment at Inglis Building that provides uninterruptable power to data centres for critical communication systems required for safe and reliable transit operations. The existing equipment is at the end of life and requires life cycle replacement.

The data centres that are supported by the existing UPS and power distribution equipment allow Transit Control to communicate with subway and surface vehicles, employees at track level, Toronto Paramedic Services, Toronto Fire Services, Toronto Police Service and other first responders during emergency scenarios. The data centre applications also support other life safety and mission-critical systems.

If the UPS and power distribution system is not replaced, it will increase the risk of communication system interruptions, which will negatively impact revenue service and Transit Control operations.

Comments

Specifications and drawings were prepared for Contract N1-25 and a Request For Bid (RFB) was issued through the MERX website on June 8, 2023 with a scheduled closing date of July 12, 2023.

Bidders must be compliant with the following in their respective bid submission to be considered commercially acceptable:

- Possess a Certificate of Recognition (COR™) as issued by the Infrastructure Health and Safety Association (IHSA);
- Exceptions are not stated;
- Reference check completed by the TTC confirming satisfactory performed work of similar size, scope, and complexity in the past; and
- Agreement to Bond submission covers both a Labour and Material Payment Bond and a Performance Bond, as submitted by their insurance company, and verified as a Surety Company licensed to transact business under the Insurance Act of Ontario.

The Bidder with the lowest-priced bid and the aforementioned compliance requirements will be recommended for contract award, provided the contract award value is within the TTC Construction Cost Estimate, which is summarized in the Confidential Attachment.

Contact

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Signature

Gary Downie
Chief Capital Officer

Attachments

Attachment 1 – Confidential Attachment