



## **Wilson Yard Infrastructure Work for Signals and Miscellaneous Site Services**

**Date:** September 15, 2021

**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 AW60-2 Wilson Yard Infrastructure Work for Signals and Miscellaneous Site Services to Sanscon Construction Ltd. in the amount of \$12,419,495 inclusive of all taxes.

The work under Contract AW60-2 includes the supply of labour, equipment and materials to install new signal cables, associated infrastructure and site services in various areas of Wilson Yard in support of the yard signalling system. Work generally includes the installation of cables, cable trough, trunking, ground rods, pedestrian walkways, hot air blowers, cross-over negative bonding and lift gates, etc.

This Contract contributes to TTC Corporate Plan Critical Path 3: Move more customers more reliably.

### **Recommendations**

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It is recommended that the TTC Board:

1. Authorize the award of Contract AW60-2 - Wilson Yard Infrastructure Work for Signals & Miscellaneous Site Services to Sanscon Construction Ltd. in the amount of \$12,419,495.92 inclusive of all taxes on the following basis:

- 1.1 Lowest Total Bid Price of \$11,973,145. (inclusive of all taxes)

- 1.2 Acceptance of Specified Options 1, 2, 3 and 5 in the amount of \$446,350. (inclusive of all taxes) as follows:

- Option 1: Forklift rental in the amount of \$96,050.
- Option 2: Double wide construction trailer for TTC Construction personnel in the amount of \$90,400.
- Option 3: Installation facilities trailer for TTC installation forces in the amount of \$169,500.
- Option 5: Two trailers for TTC Construction Management in the amount of \$90,400.

## **Financial Summary**

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The total project cost for the Toronto Rocket/ T1 Rail Yard Accommodation project is \$495.385 million, comprising costs to the end of 2020 of \$326.447 million and funding of \$168.738 million cashflowed between 2021 and 2025 under Program 3.9 Buildings and Structures - Toronto Rocket / T1 Rail Yard Accommodation (Subway Vehicle Facility) Project, State of Good Repair, as approved by City Council on February 18, 2021.

Once approved, it is expected that Contract AW60-2 - Wilson Yard Infrastructure Work for Signals and Site Services with a total cost of \$12,419,495.92, inclusive of all taxes, will be expended predominantly from 2021 to 2024.

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

## **Equity/Accessibility Matters**

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The TTC is working towards making Toronto's transit system barrier-free by implementing changes that will make its service and facilities more inclusive and accessible to everyone by 2025. This approach will be supported with the work of Wilson Yard Infrastructure Work for Signals and Miscellaneous Site Services.

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. We have reviewed the work of this contract and assessed that this contract does not reduce accessibility or inflict any barriers to the employees/users of Wilson Yard.

## **Issue Background**

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Wilson Yard has undergone significant expansion in the last several years to accommodate the needs for Toronto Rocket (TR) train storage as a result of the introduction of the Toronto-York Spadina Subway Extension (TYSSE) and increasing service demands on the Yonge-University line (Line 1).

There have been various construction contracts completed to date for the expansion of Wilson Yard. Other contracts are on-going at this location, including one for Wilson Yard signal system modifications (Contract A70-18) in support of the re-signalling of the existing signalling system (legacy), with work being performed by contractors as well as TTC.

The award of this Contract AW60-2 pertains to the planned work to be completed by a contractor which includes the installation of various infrastructure such as signal cables, cable trough, trunking, ground rods and negative bonding needed to support the re-signalling of the legacy system within Wilson Yard and Contract A70-18. The work of AW60-2 is for similar work of that completed under previous Contract AW60-1.

Contract A70-18 is on-going and includes the design and procurement of equipment to replace the existing signal system in Wilson Yard. Work under this contract is being done in zones to facilitate the yard's operational requirements. The remaining zones to be re-signalled require cable trough and trunking to be installed, and cable to be pulled in advance of the zones being wired by TTC forces, and then commissioned by the A70-18 contractor. Contract AW60-2 is needed to maintain the overall schedule to re-signal Wilson Yard.

Contract AW60-2 will also replace the existing access gate to the Wilson Yard track area, which will provide improved sightlines and decrease the risk associated with a road and track crossing.

The existing signal system at Wilson Yard is reaching the end of its life cycle and has an increased risk of failure. This can lead to possible unsafe conditions and the potential to impact revenue service. The legacy system is being replaced for the purpose of providing a consistent signalling technology over the entire yard for increased reliability and higher levels of safety when compared to retaining a large part of the legacy system. Contract AW60-2 is required to support this purpose.

## **Comments**

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Bid documents were prepared for Contract AW60-2 and a Request for Bids (RFB) was posted on the TTC's website and MERX™ website as of June 25, 2021. Seven companies downloaded copies of the bid documents. A mandatory site tour was held on July 7, 2021.

Three companies submitted a bid by the closing date of July 20, 2021 and are summarized on the attached Appendix A. The bid validity expires on January 16, 2022.

The RFB specified that Bidders must be Certificate of Recognition (COR™) certified as issued by the Infrastructure Health and Safety Association (IHSA), at the time of the closing and for the duration of the term of the contract.

Sanscon Construction Ltd. submitted the lowest bid price and did not state any exceptions or qualifications. Sanscon Construction Ltd. is COR™ certified with IHSA as specified in the bid documents. Reference checks were completed, which indicate that Sanscon Construction Ltd. has satisfactorily performed work of a similar size and nature in the past. Their bid is considered commercially acceptable and they are recommended for award of contract. The Construction Department teams, in consultation with other departments as required, have reviewed and accepted the optional pricing under Section 00 43 24 Specified Options List for items 1,2,3 and 5 submitted by Sanscon and recommends that these options be included in the award of this contract.

Further details on these options are provided below:

- Specified Options 1 to 5 are all for the use of TTC personnel in support of construction work associated with the Wilson Yard.
  - Options 1 to 4 are currently being provided under Contract A70-18 and the pricing is part of a contractor's claim currently under review and negotiation.
  - Option 5 is currently being provided under Contract C1-42, Wilson Carhouse – Tracks 15 and 16 Expansion and Alterations, as part of a contract change.
- Option 1 is needed for TTC forces to move/lift heavy materials such as large cable reels, instrument cases, switches and train signals. The specified forklift has rough terrain capabilities to allow daily movement to and from the storage compound at Wilson Yard and the various installation areas which are not served by roads.
- Options 2,3 and 5 are trailers needed by TTC Construction Department personnel and TTC installation personnel located at Wilson Yard
- The pricing for Options 1,2,3 and 5 submitted by Sanscon is considered acceptable on the basis that all items are priced lower or comparable to the pricing under existing Contracts A70-18 and C1-42.
- Option 4 is not accepted as the pricing is significantly higher than that provided under Contract A70-18.

<b>Accepted Specified Options</b>
Option 1 – Supply of forklift rental
Option 2 - Supply and install a double wide construction trailer for the use of TTC Construction Department personnel
Option 3 - Supply and install an installation facilities trailer for use by TTC installation forces
Option 5 – Supply and install two trailers for the use of TTC Construction Management

Black & McDonald Ltd. submitted the second lowest bid price and did not state any exceptions or qualifications and their bid is considered commercially acceptable. Black & McDonald Limited is COR™ certified with IHSA.

Corebuild Construction submitted the third lowest bid price and did not state any exceptions or qualifications and their bid is considered commercially acceptable. Corebuild Construction is COR™ certified with IHSA.

The Agreement to Bond submitted by Sanscon Construction Ltd. covers both a Labour and Material Payment Bond and a Performance Bond that was submitted by Intact Insurance Company, which has been verified as a Surety Company licensed to transact

business under the Insurance Act of Ontario. As such, it is considered financially capable of performing work.

The successful bidder will be required to execute a Performance Bond and a Labour and Material Payment Bond each in the amount of 50% of the contract value.

## **Contact**

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Jane Murray, Chief Project Manager – Construction  
416-590-6811  
jane.murray@ttc.ca

## **Signature**

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Gary Downie  
Chief Capital Officer

## **Attachments**

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Appendix A – Summary of Bids  
Appendix B – Price Schedule Breakdown

SP No. 03075-1615318811-13

## APPENDIX A

Wilson Yard Infrastructure Work for Signals & Site Services  
CONTRACT AW60-2

### SUMMARY OF BIDS

<b>Bid No.</b>	<b>Bidder</b>	<b>Total Bid Price</b>
*1	Sanscon Construction Ltd.	\$11,973,145.92
2	Black & McDonald Ltd.	\$12,664,565.40
3	Corebuild Construction	\$13,718,822.00

\* Recommended company

## APPENDIX B

### PRICE SCHEDULE BREAKDOWN

<u>Contract AW60-2</u>	*Sanscon Construction Ltd.	Black & McDonald Limited	Corebuild Construction Ltd.
**Specified Option 1 – Supply of forklift rental	\$96,050.00	\$67,800.00	\$135,600.00
**Specified Option 2 - Supply and install a double wide construction trailer for the use of TTC Construction Department personnel	\$90,400.00	\$107,350.00	\$282,500.00
**Specified Option 3 - Supply and install an installation facilities trailer for use by TTC installation forces	\$169,500.00	\$62,150.00	\$28,250.00
Specified Option 4 Supply and install a sprung structure for use by the Contractor and TTC installation forces	\$169,500.00	\$42,940.00	\$28,250.00
**Specified Option 5 – Supply and install two trailers for the use of TTC Construction Management	\$90,400.00	\$81,360.00	\$113,000.00
<i>All options are as detailed in Article 12 of Section 01 50 00 of the Bid</i>	<i>Submitted as an additional amount</i>	<i>Submitted as a credit amount</i>	<i>Submitted as a credit amount</i>

- \* **Recommended company**
- \*\* **Accepted options**

**Contract AW60-2**

Total Base Bid Price	\$11,973,145.92
Option No. 1 Price	\$96,050.00
Option No. 2 Price	\$90,400.00
Option No. 3 Price	\$169,500.00
Option No. 5 Price	\$90,400.00
<b>Total amount for Contract AW60-2</b>	<b>\$12,419,495.92</b>