



## **Duncan Shop – Bus Hoist Replacement in Revenue Repair Area**

**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 M60-88 Duncan Shop – Bus Hoist Replacement in Revenue Repair Area to Maystar General Contractors Inc. in the amount of \$19,221,300, inclusive of all taxes, on the basis of lowest total bid price.

The work under Contract M60-88 includes the supply of labour, equipment and materials to replace 29 existing bus hoists, comprised of 23 standard, two-post bus hoists and six, three-post articulated bus hoists, with new in-ground cylinder post type bus hoists, including all associated structural, electrical and mechanical works.

The bus hoist replacement under Contract M60-88 is part of TTC Capital Project 6050 – Bus Hoists, which is a system wide endeavour to replace the aged lifting equipment at various bus garages and shops with new and efficient equipment that meets the current codes, industry standards (e.g. ANSI/ALI ALOIM, CSA, ESA) and TTC requirements for bus fleet maintenance.

This aligns with our 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 M60-88 - Duncan Shop – Bus Hoist Replacement to Maystar General Contractors Inc. in the amount of \$19,221,300 inclusive of all taxes, on the basis of lowest total bid price.

### **Financial Summary**

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The total approved 2021-2030 project cost for the Bus Hoist Replacement project is \$88.761 million comprising costs to the end of 2020 of \$52.522 million and funding of \$36.239 million cashflowed between 2021 and 2024 under Program 3.2 Equipment – Bus Hoist Replacement Project, State of Good Repair, as approved by City Council on

February 18, 2021. In addition, there are unfunded needs totalling \$105.610 million cashflowed between 2023-2030 included in the Capital Investment Plan.

Once approved, it is expected that Contract M60-88 - Duncan Shop – Bus Hoist Replacement with a total cost of \$19,221,300.00, 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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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. This is supported through the continued work of Duncan Shop, which is a major maintenance component overhaul facility for the TTC's accessible bus fleet.

## **Issue Background**

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Duncan Shop is the largest facility for repair and maintenance of the TTC's fleet of accessible buses and non-revenue vehicles, with a building area of approximately 22,000 square metres (235,000 square feet). The facility is used for overhauling components, performing major repairs and repainting vehicles to meet the needs of the bus operating divisions.

Refer to Attachment A and B for the location of Duncan Shop within the Hillcrest Complex and a layout of the Revenue Repair Area, respectively.

The existing bus hoists at Duncan Shop have exceeded their expected service life cycle of approximately 25 years as recommended by the equipment manufacturer. Replacement of the existing bus hoists are required due to ongoing deteriorating conditions and limited availability of spare parts, resulting in significant downtime, including health, safety and environmental concerns.

As confirmed in a condition assessment, forty (40) of the existing bus hoists at the Shop require replacement which is intended to be completed in phases in consideration of the current and ongoing operational requirements at the Shop. The replacement of hoists in the Revenue Repair Area of the Shop is being undertaken under this Contract and replacement of hoists in the Non-Revenue Repair Area would be covered in a future Contract.

The scope of works under this Contract includes the replacement of 29 of the 31 existing bus hoists in the Revenue Repair Area. Twenty-three standard and six articulated in-ground post hoists would be replaced with new in-ground cylinder post type bus hoists, including all associated structural, mechanical and electrical works. The

two remaining hoists in the Revenue Repair Area do not require replacement at this stage as these were installed in 2013.

The replacement would be completed sequentially, with a typical replacement of three hoists at any given time, for an overall replacement duration of approximately 30 months. This is to minimize the impact of construction on daily bus repair and maintenance operations at Duncan Shop.

The production capacity of the shop is directly dependent on the number of bus hoists that are available to service the maintenance and repair bays. Given this, the importance of functional, safe and efficient hoists at the shop could not be overemphasized. The replacement of existing bus hoists with new equipment will ensure the availability of reliable, efficient and most up-to-date bus hoisting equipment for the shop.

## **Comments**

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Bid documents were prepared for Contract M60-88 and a Request for Bids (RFB) was posted on the TTC's website and MERX™ website as of June 9, 2021. Ten companies downloaded copies of the bid documents. A pre-bid conference meeting was held on June 28, 2021. Five out of 10 companies submitted a bid on MERX™ by the closing date of July 23, 2021 and are summarized on the attached Appendix C. During the bid period one addendum was issued. The bid validity expires on November 20, 2021.

The RFB stated that the Bidders (including every participant of a Joint Venture, if applicable) 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 Contract as indicated in the bid documents.

Maystar General Contractors Inc. submitted the lowest priced bid and did not state any exceptions or qualifications. Maystar General Contractors Inc. is COR™ certified with IHSA as specified in the bid documents. Reference checks were completed, which indicate that Maystar General Contractors Inc. has satisfactorily completed work of a similar size and nature for the TTC in the past. Its bid is considered commercially acceptable and they are recommended for award of contract.

Duron Ontario Ltd. submitted the second lowest priced bid and did not state any exceptions or qualifications and its bid is considered commercially acceptable. Duron Ontario Ltd. is COR™ certified with IHSA as specified in the bid documents.

Matheson Constructors Limited submitted the third lowest priced bid and did not state any exceptions or qualifications and its bid is considered commercially acceptable. Matheson Constructors Limited is COR™ certified with IHSA as specified in the bid documents.

The Agreement to Bond submitted by Maystar General Contractors Inc. covers both a Labour and Material Payment Bond and a Performance Bond, which was submitted by Zurich Insurance Company Ltd., who have 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**

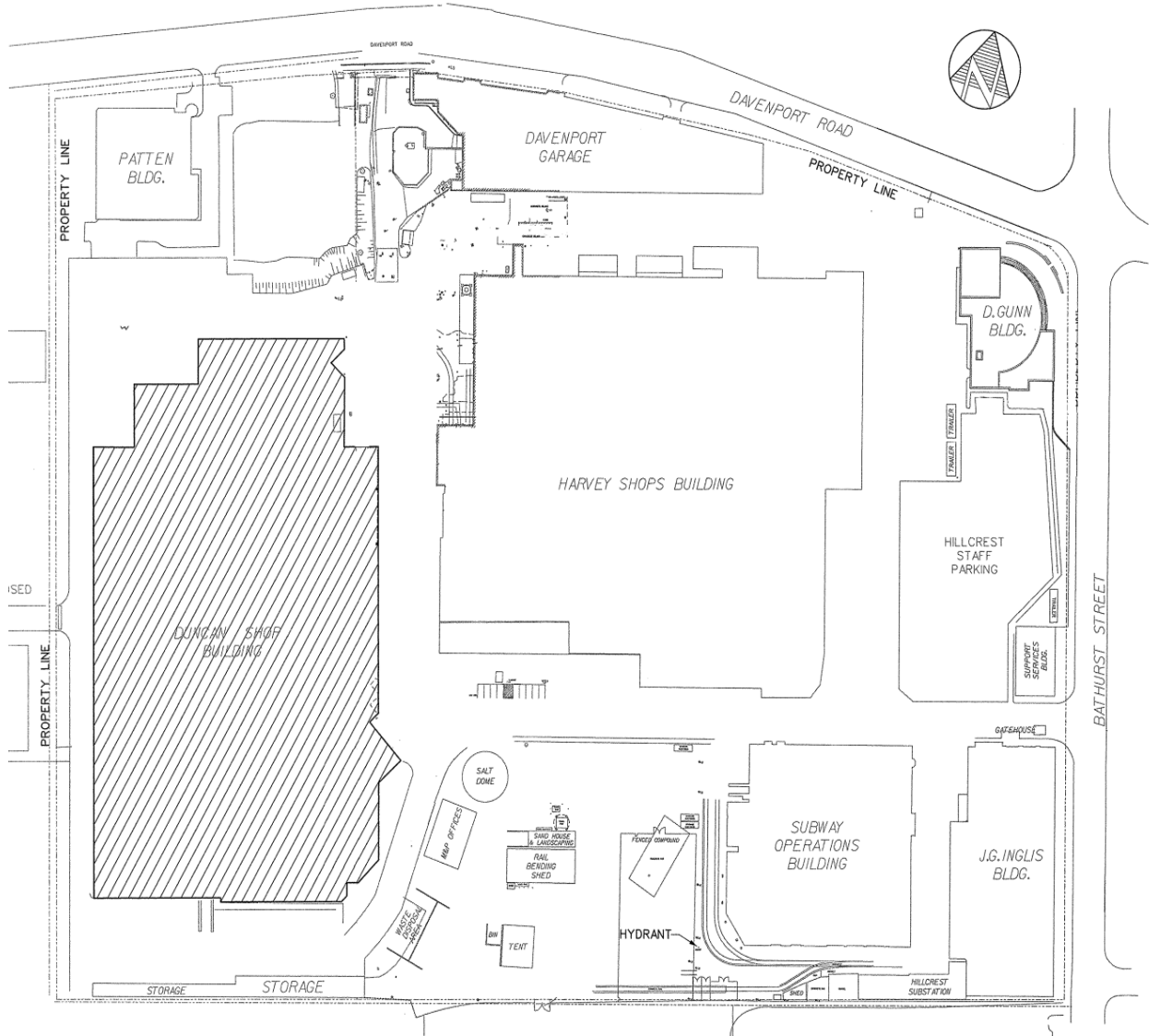
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Appendix A – TTC Duncan Shop at Hillcrest Complex – Key Map  
Appendix B – TTC Duncan Shop – Shop Layout and Work Area  
Appendix C – Summary of Bids

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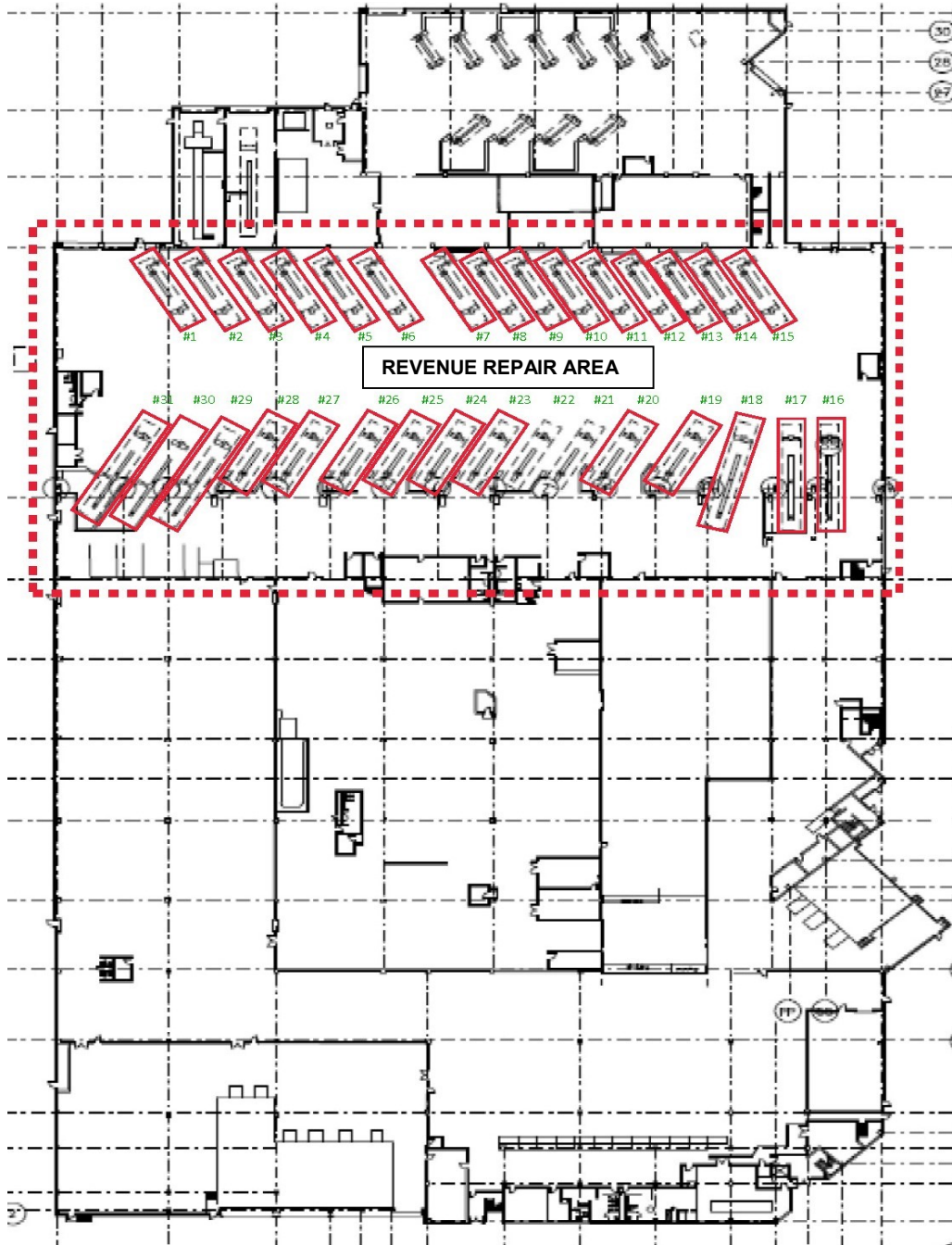
# APPENDIX A

## TTC DUNCAN SHOP AT HILLCREST COMPLEX – Key Map



# APPENDIX B

## TTC DUNCAN SHOP - Shop Layout and Work Area



## APPENDIX C

Duncan Shop Bus Hoist Replacement in Revenue Repair Area  
CONTRACT M60-88

### SUMMARY OF BIDS

<b>Bid No.</b>	<b>Bidder</b>	<b>Total Bid Price (inclusive of HST)</b>
*1	Maystar General Contractors Inc.	\$19,221,300.00
2	Duron Ontario Ltd.	\$21,522,545.00
3	Matheson Constructors Limited	\$22,786,450.00
4	The State Group Inc.	\$24,647,026.64
5	Martinway Contracting Ltd.	\$25,253,853.03

**\* Recommended company**