

City of Mississauga Corporate Report



<p>Date: November 4, 2024</p> <p>To: Chair and Members of General Committee</p>	<p>Originator's files:</p>
<p>From: Sam Rogers, MBA, Acting Commissioner of Transportation and Works</p>	<p>Meeting date: December 4, 2024</p>

Subject

Single Source Award to Novaquip Lifting Systems Inc. for Three (3) In-Ground Garage Hoists at Edward J. Dowling Transit Facility

Recommendation

1. That the Single Source procurement for the supply and installation of three (3) in-ground garage hoists from Novaquip Lifting Systems Inc. be approved, as detailed in the corporate report titled "Single Source Award to Novaquip Lifting Systems Inc. for Three (3) In-Ground Garage Hoists at Edward J. Dowling Transit Facility" dated November 4, 2024, from the Commissioner of Transportation & Works.
2. That the Chief Procurement Officer or designate be authorized to execute all contracts and related ancillary documents with respect to the purchase between the City and Novaquip Lifting Systems Inc. for an estimated amount of \$1,845,000.000 exclusive of taxes, in accordance with the City's Procurement Bylaw 0013-2022, as amended, and in a form satisfactory to Legal Services.

Executive Summary

- Transit recently completed life-cycle replacements of seven (7) in-ground hoists in the Malton Satellite Facility and eight (8) in-ground hoists in the Edward J. Dowling Transit Facility.
- Through a previous competitive procurement process, Novaquip Lifting Systems Inc. (Novaquip) was awarded the contract to supply and install Stertil-Koni's Diamond line in-ground hoist at Transit's garage facilities.
- Transit is seeking single source approval for an additional one (1) replacement in-ground hoist and two (2) new in-ground hoists at the Edward J. Dowling Transit (EJDT) Facility with the same in-ground hoist model as utilized in the recently completed life-cycle replacements.

- The use of the same hoist model for these three (3) in-ground hoists would ensure consistency in products, facilitate both the use and the maintenance of the hoists, streamline training requirements and provide an accurate estimate of capital funding requirements.
- The hoist model is Stertil-Koni's Diamond line in-ground hoist which will be installed by Novaquip who is the sole distributor of all Stertil-Koni's products within Ontario.

Background

MiWay has a fleet of five hundred (500) buses which are stored and maintained in two (2) garages, the Edward J. Dowling Transit (EJDT) Facility located at 975 Central Parkway West and the Malton Satellite (Malton) Facility located at 6780 Professional Court.

The EJDT Facility, MiWay's main garage, is comprised of two (2) storage and maintenance buildings, which are referred to as Central Parkway (CP) and Central Annex (CX). The CP garage is the older facility and houses two-hundred and eighty (280) buses, which are maintained in eighteen (18) maintenance bays. Twelve (12) of these bays are designed for 40' buses and six (6) of the bays are designed for 60' buses. The CX garage was more recently built in 2010 and houses one-hundred and twenty (120) buses, which are maintained in fifteen (15) maintenance bays, of which ten (10) of the bays are designed for 40' buses and five (5) of the bays are designed for 60' buses.

The Malton Facility is the smaller of the two (2) garages, housing approximately one hundred (100) buses which are maintained in seven (7) maintenance bays. Five (5) of these bays are designed for 40' buses and two (2) of the bays are designed for 60' buses.

To maintain a state of good repair for the in-ground hoists located in the maintenance bays in MiWay's garages, the City's Capital Design and Construction (CDC) department initiated the life cycle replacement design and construction project in 2020 for seven (7) in-ground hoists at the Malton Facility and eight (8) in-ground hoists at the EJDT Facility. Tabcon Consulting Inc. (Tabcon) was the successful consultant retained to complete the design of the replacement in-ground hoists.

Tabcon obtained a hoist sub-consultant to prepare the design of the in-ground hoists that would meet the specifications/requirements at both the EJDT Facility and the Malton Facility. Upon the identification of design requirements, the sub-consultant reviewed available products on the market and evaluated them from the perspectives of practicality, speed of construction, degree of disturbance to the site during construction along with consideration for phasing, costs, feasibility and long-term maintenance. Following this evaluation, the sub-consultant recommended two manufacturers (Rotary and Stertil-Koni) who had available in-ground hoist models that would best meet the design specifications for the replacement in-ground hoists. The in-ground hoist models from both these manufacturers were included in the tender

documents for use by the successful contractor who would be supplying and installing the replacement in-ground hoists. Through the City's Request For Tender (RFT) process, Novaquip was awarded the contract to remove seven (7) existing hoists and install seven (7) new hoists in the Malton Facility and to remove eight (8) existing hoists and install eight (8) new hoists in the EDJT Facility. Novaquip proceeded with the purchase and installation of the Stertil-Koni in-ground hoist model, which was one of the recommended manufacturers provided in the tender documents prepared by Tabcon.

Present Status

The life-cycle replacement project of seven (7) in-ground hoists at the Malton Facility and eight (8) in-ground hoists at the EJDT Facility was completed in 2022. Hoist #13 was not part of the original scope but requires replacement as it is reaching its lifecycle renewal. The remaining funds from the original project can support the replacement of this hoist.

In 2023, MiWay initiated a battery electric bus (BEB) pilot project to obtain asset management, operating and maintenance experience with the BEB as part of MiWay's journey towards a zero-emission fleet. The pilot project will accommodate 15 BEBs at MiWay's EJDT Facility of which 12 BEBs will be used for service and three (3) BEBs will be used as spares. To enable MiWay to house and maintain the BEBs on site, the EJDT Facility is being retrofitted to accommodate infrastructure requirements to support the BEBs. One of the requirements of the retrofit is the installation of two (2) new in-ground hoists. To expedite the construction timeline for the BEB building retrofits, to ensure consistency in products, to facilitate both the use and the maintenance of the hoists, to streamline training requirements and to provide an accurate estimate of capital funding requirements, the installation of the same in-ground hoist units to accommodate BEB maintenance requirements is both economical and beneficial.

Comments

Capital Design and Construction managed the construction contract to replace fifteen (15) of the thirty-three (33) in-ground hoists at Transit's two (2) garage facilities, namely the EJDT Facility and the Malton Facility. The same hoist model was used for all fifteen (15) replacement hoists as recommended in the tender documents prepared by Tabcon, the design consultant. The replacement hoists were supplied by Stertil-Koni with the hoist model being the Diamond line (-64/70 In-ground Hydraulic Lifting System). The use of the same hoist model for near future in-ground hoist replacements and new in-ground hoist installations would ensure consistency in products, facilitate both the use and the maintenance of the hoists, streamline training requirements and provide an accurate estimate of capital funding requirements.

Novaquip is the only authorized distributor and installer of the Stertil-Koni Diamond line hoist. All Novaquip sales and service personnel have been factory-trained and are fully qualified to sell, install and provide warranty and repair services for Stertil-Koni products.

Based on the above, it is recommended that the one (1) life-cycle in-ground hoist replacement (Hoist #13) and the two (2) new in-ground hoist installations for the BEB pilot project at Transit's EJDT Facility be single sourced to Novaquip for the supply and install of Stertil-Koni Diamond line hoists.

Procurement By-law Authorization

Any subsequent contract as a result of procuring from Novaquip will be executed under Procurement Bylaw 0013-2022, Schedule "A" (1) using the Single Source procurement justifications:

- (h) For additional Goods and/or Services from the original Supplier that were not included in the original Procurement, if the change of Supplier for such additional Goods and/or Services cannot be made for:
 - (i) Economic or technical reasons such as requirements of interchangeability or interoperability with existing equipment, software, services or installations procured under the initial Procurement; and
 - (ii) Would cause significant inconvenience or substantial duplication of costs for the City.

Transit Maintenance, Capital Design and Construction, Procurement Services and Legal Services staff will collaborate to establish the detailed requirements, negotiate the final arrangements and prepare the requisite forms including the contract agreements.

Financial Impact

High-level order-of-magnitude costs associated with the replacement of one (1) hoist based on an understanding of costs incurred as part of the 2022 life-cycle replacement project are as follows:

- Hoist Manufacturer/Distributor/Installer (Stertil-Koni and Novaquip) cost: \$615,000 per hoist
- Exclusions: HST, permit fees, consulting fees, contingencies, City staff labour chargebacks, maintenance costs during warranty period, and escalation

The replacement of one (1) in-ground hoist (Hoist #13) for \$615,000 at the EJDT Facility will be funded through the approved PN A20780. The two (2) new in-ground hoists to support the BEB pilot project for \$1,230,000 will be funded through the approved PN 24208.

Conclusion

Transit's hoists are currently undergoing life-cycle replacements. In 2022, CDC managed the construction contract to replace seven (7) hoists at the Malton Facility and eight (8) hoists at the

EJDT Facility. Based on tender documents prepared by the design consultant, Tabcon, the fifteen (15) hoists were replaced with the Diamond line model from the Hoist Manufacturer (Stertil-Koni) and installed by the Hoist Distributor/Installer (Novaquip).

The use of the same hoist model (Diamond line) by the manufacturer (Stertil-Koni) for near future in-ground hoist replacements and new in-ground hoist installations would ensure consistency in products, facilitate both the use and the maintenance of the hoists, streamline training requirements and provide an accurate estimate of capital funding requirements. These hoists will be supplied and installed by Novaquip as they are the only certified Hoist Distributor/Installer for Stertil-Koni products within Ontario.

As such, Transit is seeking single source approval for an additional one (1) replacement in-ground hoist and two (2) new in-ground hoists at the Edward J. Dowling Transit (EJDT) Facility with the Stertil-Koni Diamond line in-ground hoist to be installed by Novaquip.

Attachments

None



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