

# Town of Whitby

## Staff Report

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**Report Title: T-25-2022 Streetlight Installation at Various Locations**

**Report to: Committee of the Whole**

**Date of meeting:** March 6, 2023

**Report Number: FS 05-23**

**Department(s) Responsible:**

Planning and Development Department  
(Engineering Services)

Financial Services Department

**Submitted by:**

Peter Angelo, Director Engineering

Roger Saunders, Commissioner,

Planning & Development

Fuwing Wong, Commissioner Financial  
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<b>Acknowledged by M. Gaskell, Chief Administrative Officer</b>
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### 1. Recommendation:

1. That Tender T-25-2022 be awarded to Hard-Co Construction Ltd., for Streetlight Installation at Various Locations, in the amount of \$354,825.33 (plus applicable taxes) to be funded from the capital project listed in Table 3 of Report FS 05-23; and
2. That the Mayor and Clerk be authorized to execute the contract documents.

**2. Highlights:**

- The tender provides for the supply of all labour, materials, equipment and supervision necessary to complete T-25-2022 Streetlight Installation at Various Locations as required by the Town of Whitby.
- Staff have reviewed the five (5) submissions received for the above mentioned tender. Staff recommend the acceptance of the low bid as received from Hard-Co Construction Ltd. Hard-Co Construction Ltd. has performed similar work in the past to the satisfaction of the Department.
- The contract is expected to commence on April 30, 2023 with a contract duration of twenty three (23) weeks from the official start date.

**3. Background:**

This streetlight contract consists of two main components. The first component includes the relocation and installation of 38 streetlights on the following five roads:

- Powell Road (from Dundas Street East to Hawkstone Crescent);
- Kendalwood Road (from Dundas Street East to Hawkstone Crescent);
- Hunter Street (from Kendalwood Road to Powell Road);
- Broadview Avenue (from Kendalwood Road to Powell Road); and,
- Northview Avenue (from Kendalwood Road to Powell Road).

Elexicon replaced the existing overhead power supply systems on the above five roads two years ago as part of their system maintenance and expansion program. The replacement/relocation of hydro poles by Elexicon has impacted the streetlights attached to the existing hydro poles.

Being the owner of these streetlights, the Town needs to redesign the streetlight systems on these roads based on the locations of new hydro poles installed by Elexicon. This also provides an opportunity for the Town to redesign and upgrade the existing streetlight system to meet the current illumination standards. The scope of work in this part of the contract includes the installation of LED luminaires, brackets, electrical wiring and power supply connections.

Once the Town finishes removing the streetlights from the old hydro poles, Elexicon will be able to remove the remaining old poles on these roads.

The second component of this streetlight contract includes the replacement and installation of 33 streetlights on Croxall Boulevard and 11 streetlights on Selkirk Drive to improve lighting on these two roads.

The work limits are as follows:

- Croxall Boulevard (from Carnwith Drive East to Columbus Road East); and,
- Selkirk Drive (from Croxall Boulevard to Columbus Road East).

The streetlight improvement work on Croxall Boulevard and Selkirk Drive will improve lighting in the area that is close to four schools (i.e., Brooklin Village Public School, Brooklin High School, St. Leo Catholic School and Winchester Public School).

The streetlight work on Croxall Boulevard and Selkirk Drive includes the installation of LED luminaires, brackets, electrical wiring and power supply connections. The existing streetlight poles in poor condition will also be replaced with concrete poles in compliance with the current Town standards.

For cost savings, all LED luminaires in this contract will be provided by the Town. The LED luminaires will be purchased by the Town at a discounted rate based on an existing contract with the supplier. In addition, the combination of the above streetlight installation projects into one tender will also achieve economies of scale (i.e., better pricing and savings on general contract items).

See Attachment 1 - Location Map, for the areas of the proposed streetlight work.

#### 4. Discussion:

A tender for the scope of work outlined above was issued, under Tender # T-25-2022, and advertised on the Bids and Tenders site. Bids for this tender were received until 2:00:00 P.M. on January 24, 2023.

Table 1 provides a summary of the bids received, based on the provision of all labour, materials, equipment, and supervision necessary to complete the Streetlight Installation at Various Locations project.

**Table 1**

Bidder	Tender Amount (excluding HST)
Hard-Co Construction Ltd.	\$354,825.33
Black & McDonald Limited	\$524,927.02
Tristar Electric Inc.	\$681,170.72
Hastings Utilities Contracting Ltd.	\$711,083.40
Beacon Utility Contractors Limited	\$1,146,339.81

Based on the review of the tender bids and previous experience with the low bidder, it is recommended that this contract be awarded to Hard-Co Construction Ltd. The contract is open for a period of one hundred and twenty days (120) days from the tender closing date of January 24, 2023.

### **Risk**

Please note that, due to the COVID-19 pandemic, there is the potential for additional charges and longer timeframes to complete the contracted work. These additional charges and timeframes may be as a result of the need for physical distancing or supply restrictions on the contractor or may result from delays from the Town that impact the delivery of the contractor's services (e.g., adjacent roadwork undertaken by Town crews). The Town will work with the contractor to minimize or eliminate any possible delays or charges, including any impacts from the Town's own forces.

## **5. Financial Considerations:**

As shown in Table 2, the estimated Total Project Cost is \$625,000 to complete this project (including the proposed contract award and other costs to complete the project estimated by the Planning and Development Department (Engineering Services).

**Table 2**

<b>Estimated Project Breakdown</b>	<b>Amount</b>
<b>Tender Amount</b>	<b>\$354,825.33</b>
HST	\$46,127.29
<b>Total Contract Amount</b>	<b>\$400,952.62</b>
Rebate	(\$39,882.38)
<b>Total Cost</b>	<b>\$361,070.24</b>
LED Fixtures	\$65,000.00
Supervision, Contract Administration	\$55,000.00
Contingency Allowance (Construction)	\$100,000.00
Material Testing	\$35,000.00
Sundry (Utilities, Line Marking, Notices, Ads)	\$8,929.76
<b>Total Project Cost to Complete T-25-2022</b>	<b>\$625,000.00</b>

Note: Contingencies are for any unforeseen site conditions encountered during construction.

Table 3 below outlines the life to date budget and expenditures for this project which was originally approved in 2022.

Table 3

<b>Capital Project # and Description</b>	<b>Life to Date Budget</b>	<b>Life to Date Expenditures (February 6, 2023)</b>	<b>Revised Total Project Cost (incl. T-25-2022)</b>	<b>Savings / (Overage)</b>
40226605 Major Streetlight Replacement / Relocation  Funded from the Asset Management Reserve Fund	\$843,211.00	(\$41,116.00)	(\$625,000.00)	\$177,095.00
<b>Total</b>	<b>\$843,211.00</b>	<b>(\$41,116.00)</b>	<b>(\$625,000.00)</b>	<b>\$177,095.00</b>

Upon approval of this report, the budget for project #40226605 will be updated to reflect the Total Project Cost for T-25-2022, and the proposed saving of \$177,095.00 will be release and returned to the Asset Management Reserve Fund.

The 2023 budget includes \$115,100 on project #40236605 Major Streetlight Replacement / Relocation, which will be used to address future needs as identified.

## **6. Communication and Public Engagement:**

Lane closures may be required at some locations to facilitate safe and efficient streetlight installation on these roads. During the lane closures, access for emergency vehicles and access to properties will be maintained at all times. Traffic management plans as per the Ontario Traffic Manual (OTM) will be implemented with the appropriate traffic signs and barrels in place to direct drivers around the work area. Project notices with contact information and phone number will also be provided to residents impacted by the streetlight work.

## **7. Input from Departments/Sources:**

Planning and Development Department (Engineering Services) and Financial Services worked jointly throughout the tendering process and the preparation of this report.

## **8. Strategic Priorities:**

Corporate Strategic Plan – This project will be delivered around customer needs by providing proper illumination on Town roads.

Accessibility – Accessibility for residents will be considered throughout the construction phase of the project.

Sustainability – The project will complement the Sustainability Vision that the Town of Whitby will be a healthy, sustainable and complete community. This is accomplished through incorporating sustainable element such as LED fixtures which use much less energy than traditional streetlight fixtures but with a much longer service life.

**9. Attachments:**

Attachment 1 – Location Map