

THE CORPORATION OF THE
CITY OF WHITE ROCK
CORPORATE REPORT



DATE: March 31, 2025

TO: Mayor and Council

FROM: Corrine Haer, P.Eng., Manager, Engineering

SUBJECT: Contract Award – LED Streetlight Replacement

RECOMMENDATIONS

THAT Council receive the corporate report dated March 31, 2025, from the Manager of Engineering, titled “Contract Award – LED Streetlight Replacement” and

1. Approve the award of the LED Streetlight Replacement project to Crown Contracting Ltd. in the amount of \$480,388 (excluding GST);
 2. Approve the award of the optional scope to replace critical condition streetlight poles to Crown Contracting Ltd. in the amount of \$400,000 (excluding GST);
 3. Authorize purchase of LED fixtures from LED Roadway Lighting in accordance with the Corporate Supply Agreement in the amount of \$248,911 (including PST, excluding GST);
 4. Authorize the pre-approved contingency in the amount of \$139,579 (approximately 15% of the design and contracting costs) to support the project; and
 5. Authorize the Director of Engineering and Municipal Operations to execute all contract documentation required for the project.
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EXECUTIVE SUMMARY

The purpose of this corporate report is to obtain Council approval to award the LED Streetlight Replacement project to Crown Contracting Ltd. in the amount of \$480,388 (excluding GST), to obtain approval to award optional scope for replacing critical condition streetlight poles in the amount of \$400,000 (excluding GST) and to obtain authorization to purchase LED fixtures from LED Roadway Lighting in the amount of \$248,911 (including PST, excluding GST).

INTRODUCTION/BACKGROUND

This project includes replacing all remaining High-Pressure Sodium (HPS) streetlights fixtures with Light-Emitting Diode (LED) fixtures throughout the City to ensure compliance with federal regulations that require all light ballasts containing Poly-Chlorinated Biphenyls (PCBs) in HPS streetlights to be removed by the end of 2025.

These new LED streetlights will help improve public safety by increasing the visibility of sidewalks and roads at night, as well as help reduce light pollution. LED streetlights also last longer, require less maintenance and use up less energy.

This project includes:

- Removal of 576 High-Pressure Sodium (HPS) streetlights fixtures.
- Installation of 576 new Light-Emitting Diode (LED) fixtures.
- Removing and replacement of 40 (at minimum) critical condition streetlight poles as part of the optional scope.

ANALYSIS

DMD and Associated Electrical Consultant Ltd. were retained to design the project and to provide tendering support. A request for proposal was issued to the market with a submission closing date of February 7, 2025. The City received three (3) proposals and the results are summarized in the table below.

Table 1 - Proposal Summary

Contractor	Price (excluding GST)
Crown Contracting Ltd.	\$480,388
Fraser City Installations (1989) LTD.	\$575,524
Western Integrated Electric Ltd.	\$706,025

Staff and DMD and Associated Electrical Consultant Ltd reviewed the proposals and recommend awarding this project to Crown Contracting Ltd for a total of \$480,388 (excluding GST). Aside from submitting the lowest overall price, Crown Contracting Ltd. has completed previous work in the City and staff have been satisfied with the results. They also demonstrated a good understanding of the project scope in line with expectations.

In addition to the base scope, optional scope to replace the City’s most critical condition streetlight poles was included in the request for proposal. This includes removing and replacing the poles that are at the end of their service life. Staff recommend proceeding with replacing 40 (at minimum) critical condition streetlight poles throughout the City to use up the remaining budget (\$400,000) available for this project.

In addition, as a member of the provincial Corporate Supply Arrangement (CSA), the City is eligible to purchase the cobrahead fixtures directly from a wholesaler at a discount price. Staff recommend purchasing 453 cobrahead fixtures directly from LED Roadway Lighting in compliance with the CSA to save costs. The remaining 123 decorative LEDs required for this project will be purchased by Crown Contracting Ltd. as part of the pricing above. These 123 decorative LEDs are custom and therefore can’t be purchased through the CSA. A total of 576 streetlights will be replaced as part of this project.

FINANCIAL IMPLICATIONS

The project is included in the 2024/2025 Financial Plan in the amount of \$1.248M. In addition, a BC Hydro Grant was applied for in 2025 and recently awarded to the City in the amount of approximately \$104,000 towards the LED streetlights replacement work.

A summary of the project budget is as follows:

Table 2 – Project Budget

	Total
Street Light LED Upgrades (Project 35092)	\$1,140,000
Street Light Maintenance (Project 35054)	\$108,000
BC Hydro Grant	\$104,000
Total available budget	\$1,352,000
Spent/committed to date (DMD and Associated Electrical Consultant Ltd.)	\$83,122
LED Replacement (Crown Contracting Ltd.)	\$480,388
Material (LED NXT Fixtures from LED Roadway Lighting)	\$248,911
Optional critical streetlight pole replacement (Crown Contracting Ltd.)	\$400,000
Subtotal	\$1,212,421
Contingency (approx. 15% of design and contracting costs)	\$139,579
Total project cost	\$1,352,000

LEGAL IMPLICATIONS

No legal implications are anticipated. Staff request authorization for the Director of Engineering and Municipal Operations to execute all contract documentation required for the project.

ALIGNMENT WITH STRATEGIC PRIORITIES

This project is in alignment with the Infrastructure Strategic Priority that identifies that the City plan, build and maintain infrastructure to enhance quality of life and civic service delivery while mitigating and adapting to environmental impacts. Specifically, this project ensures future infrastructure resiliency by making decisions through a long-term lens.

OPTIONS / RISKS / ALTERNATIVES

The following alternate option is available for Council’s consideration:

1. Not approve the recommendation to award the LED Streetlight Replacement project to Crown Contracting Ltd. This will result in noncompliance with the federal mandate to replace all light ballasts containing Poly-Chlorinated Biphenyls (PCBs) by the end of 2025.

CONCLUSION

Staff recommend that the LED Streetlight Replacement project in the amount of \$480,388 (excluding GST) plus optional scope for the replacement of critical condition streetlight poles in the amount of \$400,000 (excluding GST) be awarded to Crown Contracting Ltd. and that Council approve the purchase of LED NXT fixtures from LED Roadway Lighting in the amount of \$248,911 (including PST and excluding GST).

Staff also request a preauthorized contingency in the amount \$139,579 (approximately 15% of design and contracting costs) to support the project. Additionally, staff seek Council's approval to enable the Director of Engineering & Municipal Operations to have authorization to execute all contract documentation required for the project to proceed.

Respectfully submitted,

Approved by,



Corrine Haer, P.Eng.
Manager, Engineering



Jim Gordon, P.Eng.
Director, Engineering & Municipal Operations

Comments from the Chief Administrative Officer

I concur with the recommendations of this corporate report.



Guillermo Ferrero
Chief Administrative Officer