

NO: R175

COUNCIL DATE: September 23, 2024

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## REGULAR COUNCIL

TO: **Mayor & Council**

DATE: **September 19, 2024**

FROM: **General Manager, Engineering**

FILE: **5420-01**

SUBJECT: **Award of Contract No. 1220-040-2024-062  
2024 Streetlight LED Upgrades**

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## RECOMMENDATION

The Engineering Department recommends that Council:

1. Award Contract No. 1220-040-2024-062 to Crown Contracting Limited in the amount of \$105,621.60 (including applicable taxes) for the removal and replacement of existing High Intensity Discharge streetlighting fixtures with Light Emitting Diode fixtures;
2. Set the expenditure authorization limit for Contract No. 1220-040-2024-062 at \$120,000.00 (including applicable taxes and contingency);
3. Authorize the General Manager, Engineering to execute Contract No. 1220-040-2024-062;  
AND
4. Authorize the purchase of 1693 Light Emitting Diode streetlight fixtures from the Provincial Corporate Supply Arrangement to replace existing High Intensity Discharge streetlight fixtures to an upset limit of \$962,000.00 (including freight, levies, applicable taxes, and contingency), which includes:
  - a. LED Roadway Lighting Ltd. be engaged to an upset limit of \$835,000.00 (including freight, levies, applicable taxes, and contingency) to supply and deliver approximately 1600 Light Emitting Diode streetlight fixtures;
  - b. Lumca Inc. be engaged to an upset limit of \$100,000.00 (including freight, levies, applicable taxes, and contingency) to supply and deliver approximately 64 Light Emitting Diode streetlight fixtures; and
  - c. EECOL Electric Corp. be engaged to an upset limit of \$27,000.00 (including freight, levies, applicable taxes, and contingency) to supply and deliver approximately 29 Light Emitting Diode streetlight fixtures.

## INTENT

The purpose of this report is to seek authorization to replace High Intensity Discharge (“HID”) streetlight fixtures with Light Emitting Diode (“LED”) streetlight fixtures, as identified in this report.

## DISCUSSION

### Scope of Work

The Engineering Department maintains 34,000 streetlights. Of these, 14,650 HID fixtures remain to be replaced with LED fixtures. The Engineering Department has identified approximately 1693 HID streetlight fixtures to be replaced by LED technology within this assignment. The locations selected prioritize areas of higher nighttime roadway activity in South Surrey as illustrated in Appendix “I” attached to this report. When completed, the LED streetlighting will improve nighttime road safety, and reduce energy and electrical maintenance operating costs.

### Labour Procurement

On August 1, 2024, a Request for Quotations (“RFQ”) was posted on the BC Bid and City of Surrey websites for Installation Services of LED Fixtures. The City received submissions from four proponents as follows:

	<b>Supplier</b>	<b>Tendered Amount (including taxes)</b>	<b>Corrected Amount</b>
1.	Crown Contracting Limited	\$99,020.25	\$105,621.60
2.	Kerman Electronics Canada Inc.	\$126,772.80	No Change
3.	Standard Electric BC Ltd.	\$165,877.95	\$176,936.48
4.	Cobra Electric Services Ltd.	\$280,791.55	\$279,916.82

An evaluation team involving staff from the Engineering Department and Finance Department reviewed the quotations for accuracy and completeness. All four submissions were found to be compliant and were fully evaluated.

Crown Contracting Limited submitted the lowest quotation and provides the best overall value to the City. They have previously supplied similar services to the City and their performance has been satisfactory.

### Corporate Supply Arrangement

The Government of British Columbia’s Procurement Services Branch (“PSB”) issues and manages Corporate Supply Arrangement (“CSA”)s to get the best value for government. As an eligible organization, the City can purchase LED streetlight fixtures directly from a supplier without having to run a procurement because PSB has already done this work. This results in quicker timelines, and cost savings because prices and terms are already settled for public sector organizations in the province. The prices available to the City through the CSA are significantly better than external quotes.

Accordingly, the City will purchase the LED streetlight fixtures directly from PSB's list of suppliers, and the recommended proponent for Contract 1220-040-2024-062 2024 Streetlight LED Upgrades, Crown Contracting Limited will be retained by the City to remove and replace existing High Intensity Discharge streetlighting fixtures with Light Emitting Diode fixtures.

## **FUNDING**

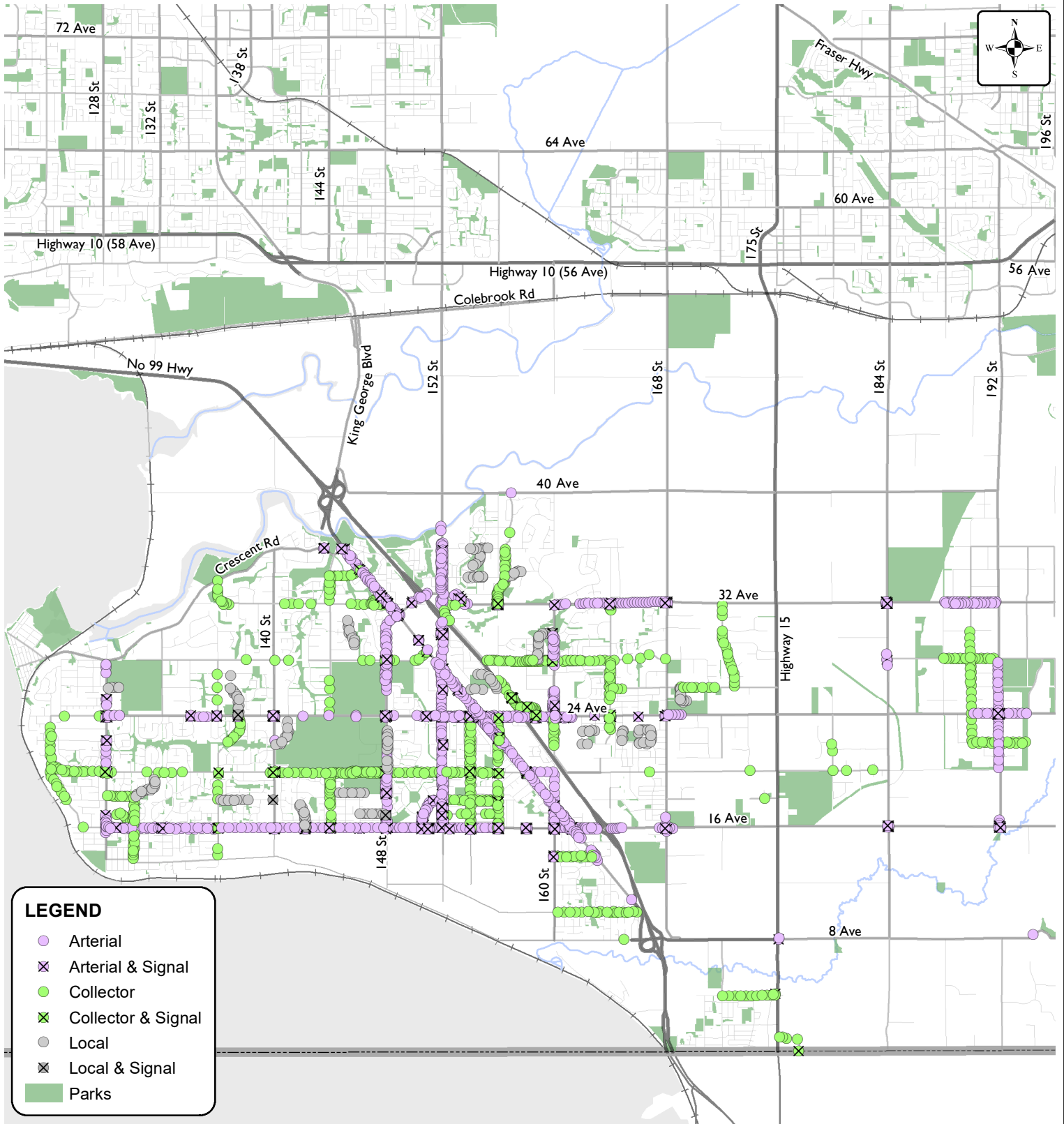
Funding for the scope of work identified in this report is available in the approved 2024 Transportation Capital Budget.

Scott Neuman, P.Eng.  
General Manager, Engineering

RV/GDC/bn

Appendix "I" – Map of Locations – Contract No. 1220-040-2024-062

[https://surreybc.sharepoint.com/sites/eng.administration/gm administration/corporate reports/2024/sept 23/award of contract 1220-040-2024-062 2024 streetlight led upgrades/rob's edits award of contract 1220-040-2023-067 led streetlight upgrades \(09192024\) final.docx](https://surreybc.sharepoint.com/sites/eng.administration/gm%20administration/corporate%20reports/2024/sept%2023/award%20of%20contract%201220-040-2024-062%202024%20streetlight%20led%20upgrades/rob's%20edits%20award%20of%20contract%201220-040-2023-067%20led%20streetlight%20upgrades%20(09192024)%20final.docx)



### LEGEND

- Arterial
- ⊗ Arterial & Signal
- Collector
- ⊗ Collector & Signal
- Local
- ⊗ Local & Signal
- Parks

Produced by GIS Section: 08-Jul-2024

Scale: 1:76,000 0 720 M



## Streetlight LED Replacement

ENGINEERING  
DEPARTMENT

The data provided is compiled from various sources and IS NOT warranted as to its accuracy or sufficiency by the City of Surrey. This information is provided for information and convenience purposes only. Lot sizes, Legal descriptions and encumbrances must be confirmed at the Land Title Office.

Source: G:\MAPPING\GIS\Maps\CorporateReps\Transp\CW\_StreetLightReplacementZoneE\_TA1.mxd