

NO: R200

COUNCIL DATE: November 20, 2023

REGULAR COUNCIL

TO: **Mayor & Council**

DATE: **November 16, 2023**

FROM: **General Manager, Engineering**

FILE: **5420-01**

SUBJECT: **Award of Contract No. 1220-040-2023-067
2023 Streetlight LED Upgrades**

RECOMMENDATION

The Engineering Department recommends that Council:

1. Authorize the purchase of 1,475 Light Emitting Diode streetlight fixtures from the Provincial Corporate Supply Arrangement to replace existing High Intensity Discharge streetlight fixtures to an upset limit of \$795,000.00 (including freight, levies, applicable taxes, and contingency), which includes:
 - a. LED Roadway Lighting Ltd. be engaged to an upset limit of \$725,000.00 (including freight, levies, applicable taxes, and contingency) to supply and deliver approximately 1383 Light Emitting Diode streetlight fixtures; and
 - b. Acuity Brands, Inc. be engaged to an upset limit of \$70,000.00 (including freight, levies, applicable taxes, and contingency) to supply and deliver approximately 92 Light Emitting Diode streetlight fixtures for locations requiring brighter lighting levels and decorative post top fixtures.
2. Authorize the General Manager, Engineering to release payments related to the supply and delivery of Light Emitting Diode streetlight fixtures and appurtenances from the Corporate Supply Arrangement;
3. Award Contract No. 1220-040-2023-067 to Cobra Electric Services Ltd. in the amount of \$110,430.08 (including applicable taxes) for the removal and replacement of existing High Intensity Discharge streetlighting fixtures with Light Emitting Diode fixtures;
4. Set the expenditure authorization limit for Contract No. 1220-040-2023-067 at \$120,000.00 (including applicable taxes and contingency); and
5. Authorize the General Manager, Engineering to execute Contract No. 1220-040-2023-067.

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 33,000 streetlights. Of these, 16,000 HID fixtures remain to be replaced with LED fixtures. The Engineering Department has identified approximately 1475 HID streetlight fixtures to be replaced by LED technology within this assignment. The locations selected prioritize locations identified by the City’s Vision Zero Surrey Safe Mobility Plan and arterial roads 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.

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.

Labour Procurement

In October 2023, 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 seven proponents as follows:

	Supplier	Tendered Amount (including taxes)	Corrected Amount
1.	Cobra Electric Services Ltd.	\$110,430.08	\$110,426.19
2.	JE Electric Ltd.	\$122,407.32	No Change
3.	Standard Electric BC Ltd.	\$165,272.41	\$165,270.00
4.	Kerman Electronics Canada Inc.	\$173,215.00	\$171,713.50
5.	Maple Leaf Power Corporation	\$332,283.00	No Change
6.	Crown Contracting Limited	\$553,875.00	No Change
7.	YESCO Sign & Lighting	\$611,391.20	No Change

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

Cobra Electric Services Ltd. 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.

FUNDING

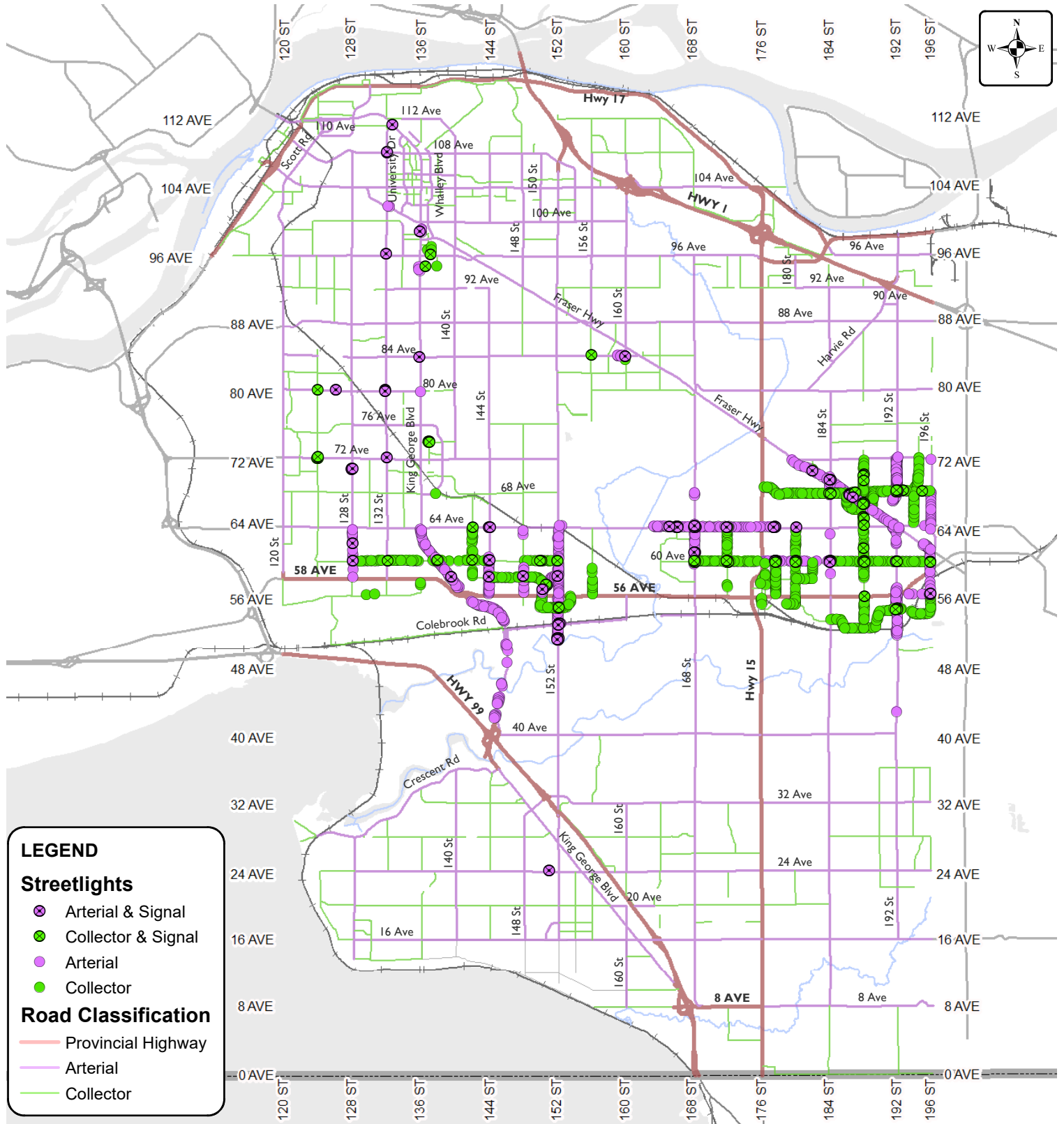
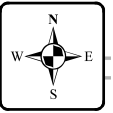
Funding for the scope of work identified in this report is available in the approved 2023 Transportation Capital Budget.

Scott Neuman, P.Eng.
General Manager, Engineering

RV/GDC/bn

Appendix "I" – Map of Locations – Contract No. 1220-040-2023-067

[https://surreybc.sharepoint.com/sites/eng.administration/gm administration/corporate reports/2023/nov 20/award of contract led streetlight upgrades/sn award of contract led streetlight upgrade program \(1162023\) final.docx](https://surreybc.sharepoint.com/sites/eng.administration/gm%20administration/corporate%20reports/2023/nov%2020/award%20of%20contract%20led%20streetlight%20upgrades/sn%20award%20of%20contract%20led%20streetlight%20upgrade%20program%20(1162023)%20final.docx)



LEGEND

Streetlights

- ⊗ Arterial & Signal
- ⊗ Collector & Signal
- Arterial
- Collector

Road Classification

- Provincial Highway
- Arterial
- Collector

Produced by GIS Section: 09-Nov-2023

Scale: 1:125,000



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.