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CORPORATE REPORT

NO: **R002** COUNCIL DATE: **January 13, 2020**

REGULAR COUNCIL

TO: **Mayor & Council** DATE: **January 8, 2020**

FROM: **General Manager, Engineering** FILE: **1718-059/11**

SUBJECT: **Award of Contract No. 1718-059-11**
2020 Traffic Signal and Pedestrian Crossing Enhancements

RECOMMENDATION

The Engineering Department recommends that Council:

1. Award Contract No. 1718-059-11 to Crown Contracting Limited in the amount of $3,146,715.23 (including GST) for traffic signal and pedestrian crossing enhancements at various locations throughout the City;

2. Set the expenditure authorization limit for Contract No. 1718-059-11 at $3,461,000.00 (including GST and contingency); and

3. Authorize the General Manager, Engineering to execute Contract No. 1718-059-11.

SCOPE OF WORK

The construction package related to this Contract consists of the installation of 20 enhanced pedestrian crossings consisting of the installation of rectangular rapid flashing beacons, one overhead flashing crosswalk, one new pedestrian signal, and upgrades to two existing traffic signals. The project locations are listed in the following table and are also illustrated on the map attached to this report as Appendix "I".

Map Reference Number	Project #	Location	Description
1	R-17522	160 Street and 9500 Block	Enhanced Pedestrian Crossing
2	R-17523	60 Avenue and 18600 Block (Sunrise Ridge Elementary School)	Enhanced Pedestrian Crossing
3	R-17524	60 Avenue and 179 Street (Zion Lutheran Church and School)	Enhanced Pedestrian Crossing
4	R-17525	60 Avenue and 182 Street	Enhanced Pedestrian Crossing
5	R-17526	60 Avenue and 173B Street (William of Orange Christian School)	Enhanced Pedestrian Crossing

Map Reference Number	Project #	Location	Description
6	R-17527	84 Avenue and 14900 Block (Maple Green Elementary School)	Enhanced Pedestrian Crossing
7	R-17528	148 Street and 90 Avenue	Enhanced Pedestrian Crossing
8	R-17529	68 Avenue and 13300 Block	Enhanced Pedestrian Crossing
9	R-17530	18 Avenue and 140 Street	Enhanced Pedestrian Crossing
10	R-17532	76 Avenue and 147A Street	Enhanced Pedestrian Crossing
11	R-17533	24 Avenue and 137A Street	Enhanced Pedestrian Crossing
12	R-17534	75 Avenue and 122A Street	Enhanced Pedestrian Crossing
13	R-17535	75 Avenue and 12500 Block	Enhanced Pedestrian Crossing
14	R-17536	124 Street and 7600 Block (Strawberry Hill Elementary School)	Enhanced Pedestrian Crossing
15	R-17537	78 Avenue and 124 Street	Enhanced Pedestrian Crossing
16	R-17538	59A Avenue and 148 Street	Enhanced Pedestrian Crossing
17	R-17539	57 Avenue and 148 Street	Enhanced Pedestrian Crossing
18	R-17540	58 Avenue and 148 Street	Enhanced Pedestrian Crossing
19	R-17541	93A Avenue and 160 Street	Enhanced Pedestrian Crossing
20	R-17542	68 Avenue and 138 Street	Enhanced Pedestrian Crossing
21	R-18054	76 Avenue and 128 Street	Traffic Signal Upgrade
22	R-18056	64 Avenue and 120 Street	Traffic Signal Upgrade
23	R-18053	72 Avenue and 146 Street	Overhead Flashing Crosswalk
24	R-18048	72 Avenue and 142 Street	New Pedestrian Signal

This Contract work supports the City's Vision Zero Safe Mobility Plan, as well as the Safe and Active Schools Program as five of the pedestrian crossing enhancements are located near schools.

The Contract permits construction from 7:00 a.m. to 10:00 p.m., Monday through Friday, in compliance with the *Surrey Noise Control Bylaw, 1982, No. 7044*. The Contract does not include an option for contractors to work 24 hours a day, seven days a week, as for this specific Contract, there were no financial savings or time savings expected, given that the work is at various locations across the City.

The Contract work is expected to start in January 2020 and be completed by August 2020. To minimize the impacts to nearby schools, where pedestrian crossing enhancements are proposed, the work will be completed during Spring Break. There are no anticipated prolonged impacts to any residences or businesses resulting from any of the Contract work.

TENDER RESULTS

Tenders for the subject Contract were opened on December 17, 2019 with the following results:

Contractor	*Tendered Amount with GST*	*Corrected Amount*
1. Crown Contracting Limited	$3,146,715.23	No Change
2. Jack Cewe Construction Ltd.	$4,528,521.90	No Change

The Engineers' (Aplin & Martin Consultants Ltd. and McElhanney Consulting Services Ltd.) pre-tender estimate was $3.3 million (including GST). The number of tender submissions received is reasonable given the specialized nature of the work.

EVALUATION

The City's consultant reviewed the tender submissions for accuracy and completeness. All submissions included the required 10% bid bond, were signed on the Tender Form, and were initialed on the Summary Sheet of the Schedule of Quantities and Prices.

The low bidder, Crown Contracting Limited, has provided a Consent of Surety for a Performance Bond and a Labour & Materials Bond, and agreed to complete the work within 120 working days, as stipulated in the Contract. They have no outstanding legal claims against the City. It is recommended that Crown Contracting Limited be awarded Contract No. 1718-059-11.

SUSTAINABILITY CONSIDERATIONS

The work of this Contract supports the objectives of the City's Sustainability Charter 2.0. In particular, this work relates to Sustainability Charter 2.0 theme of Infrastructure. Specifically, this project supports the following Desired Outcomes ("DO"):

- Transportation DO1: An integrated and multi-modal transportation network offers affordable, convenient, accessible, and safe transportation choices within the community and to regional destinations; and
- Transportation DO2: Surrey residents of all ages and abilities have access to active transportation options, enabling them to participate fully in society without the use of a private automobile.

FUNDING

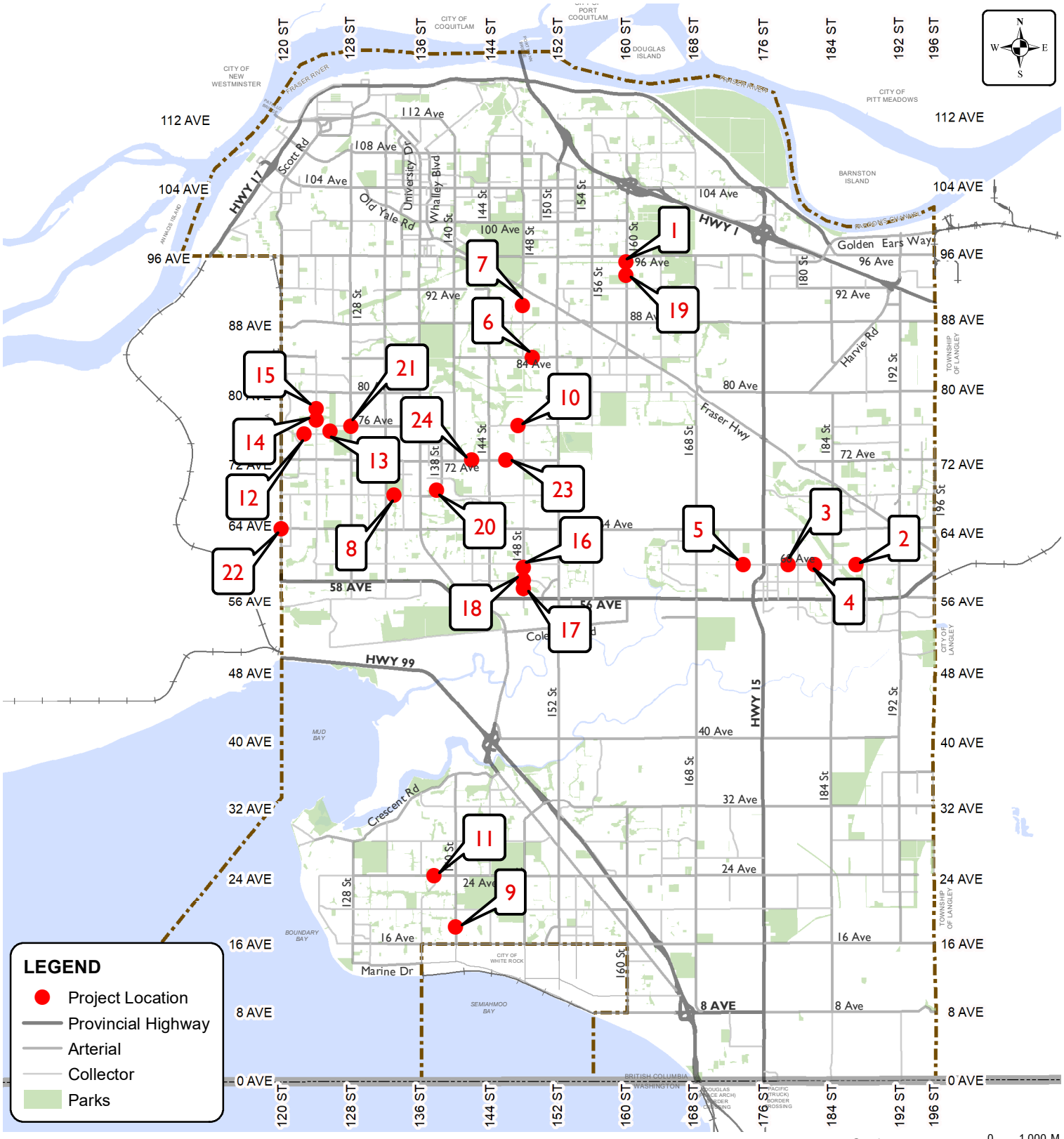
Funding for this Contract is available in the approved 2020 Transportation Budget. Sites 21 and 22 are also partially funded by ICBC through a cost-sharing agreement between ICBC and the City.

Scott Neuman, P.Eng.
General Manager, Engineering

VJ/AP/cc

Appendix "I" – Map of Locations – Contract No. 1718-059-11

APPENDIX "I"



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CONTRACT No. 1718-059-11
2020 Traffic Signal and Pedestrian Crossing Enhancements

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\D&C\PS_dnc1718-059-11.mxd