

NO: R101

COUNCIL DATE: May 29, 2017

REGULAR COUNCIL

TO: **Mayor & Council** DATE: **May 17, 2017**

FROM: **General Manager, Engineering** FILE: **1716-063/11**

SUBJECT: **Award of Contract M.S. 1716-063-11**
Traffic Signals and Intersection Improvements

RECOMMENDATIONS

The Engineering Department recommends that Council:

1. Award Contract M.S. 1716-063-11 to Lafarge Canada Inc. in the amount of \$2,831,817.45, including GST, for traffic and pedestrian signal installations at various locations throughout the City;
2. Set the expenditure authorization limit for Contract M.S. 1716-063-11 at \$3,271,000.00, including GST and contingency; and
3. Authorize the General Manager, Engineering to execute Contract M.S. 1716-063-11.

SCOPE OF WORK

The construction package related to this contract consists of traffic signals, intersection improvements and signalized pedestrian crossings at 15 locations throughout the City, as listed in the following table and illustrated on the map attached as Appendix "I".

Four (4) of the project locations are pedestrian signals being constructed as part of the City's Safe and Active Schools Program. This year, the City is investing over \$4 million to improve safety for children around our schools. This significant investment will complete all of the short term improvements and some of the medium term improvements identified in our comprehensive study of every school in Surrey.

Map Reference Number	Project #	Location	Description
1	3813-4170-00	108 Avenue and City Parkway	Traffic Signal
2	3816-4200-00	96 Avenue and 123A Street	Traffic Signal - Safe and Active Schools Program
3	3816-4190-00	96 Avenue and 161 Street	Pedestrian Signal - Safe and Active Schools Program
4	3816-4060-00	Scott Road and 62 Avenue	Pedestrian Signal

Map Reference Number	Project #	Location	Description
5	3816-4080-00	140 Street at the 8300 Block	Pedestrian Signal
6	3816-4090-00	96 Avenue and 126 Street	Activated Flashers
7	3816-4100-00	96 Avenue at the 16600 Block	Activated Flashers
8	3816-4110-00	108 Avenue and 142 Street	Activated Flashers
9	3816-4210-00	140 Street and 86A Avenue	Traffic Signal
10	3816-4230-00	King George Boulevard at the 8200 Block	Pedestrian Signal
11	3816-4240-00	140 Street at the 9400 Block	Activated Flashers - Safe and Active Schools Program
12	3816-4270-00	17 Avenue and 148 Street	Push Buttons - Safe and Active Schools Program
13	3817-4070-00	152 Street and 16 Avenue	Traffic Signal
14	3817-4080-00	152 Street and 18 Avenue	Traffic Signal
15	16320	152 Street and 26 Avenue	Median Work

The contract work is expected to start on June 12, 2017 and be completed by December 2017.

TENDER RESULTS

Tenders for the subject contract were opened on May 9, 2017 with the following results:

<i>Contractor</i>	<i>Tendered Amount with GST</i>	<i>Corrected Amount</i>
1. Lafarge Canada Inc.	\$2,831,817.45	No Change
2. Crown Contracting Ltd.	\$3,045,587.04	\$3,046,268.39

The Engineer's (Aplin & Martin Consultants Ltd.) pre-tender estimate was \$2,962,000.00 including GST.

EVALUATION

The City's consultant reviewed the tender submissions for accuracy and completeness. There was one minor arithmetic error that had no bearing on the outcome of the tender process. All submissions included the required 10% bid bond, were signed on the Tender Form and were initialled on the Summary Sheet of the Schedule of Quantities and Prices.

The low bidder, Lafarge Canada Inc., has provided a Consent of Surety for a Performance Bond as well as a Labour & Materials Bond, and agreed to complete the work within 150 working days as stipulated in the contract. Lafarge Canada Inc.'s past performance on similar work has been satisfactory. They have no outstanding legal claims against the City. It is recommended that Lafarge Canada Inc. be awarded Contract M.S. 1716-063-11.

SUSTAINABILITY CONSIDERATIONS

The work of this contract supports the objectives of the City's Sustainability Charter. In particular, this project relates to the Sustainability Charter theme of Public Safety. Specifically, this contract supports the following Desired Outcomes:

- Transportation Safety DO₉: Transportation network supports and provides safe mobility for all ages and abilities;
- Transportation Safety DO₁₀: Surrey is part of a coordinated effort to reduce the risk of harm for all road users, with attention to those who are most vulnerable, including pedestrians and cyclists; and
- Transportation Safety SD₉: Address traffic safety issues in a holistic way, particularly around schools and critical accident locations.

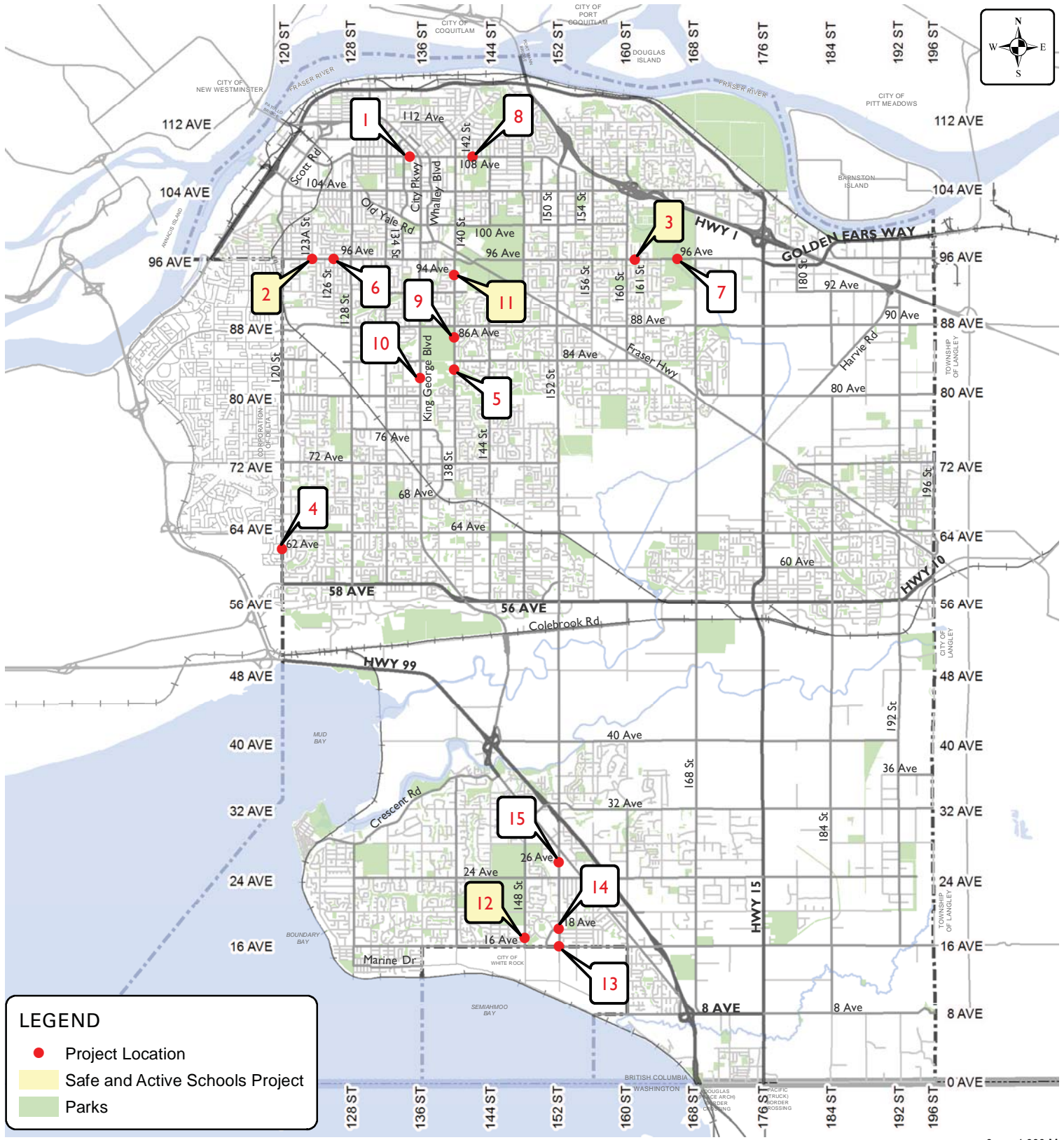
FUNDING

Funding for this contract is available in the approved 2017 Transportation Budget.

Fraser Smith, P.Eng., MBA
General Manager, Engineering

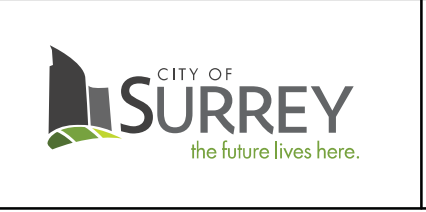
SBN/RI/cc

Appendix "I" – Map of Locations - Contract M.S. 1716-063-11



Produced by GIS Section: 17-May-2017, P205934

Scale: 1:125,000 0 1,000 M



CONTRACT M.S. 1716-063-11 Traffic Signals and Intersection Improvements

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.