

**REGULAR COUNCIL**

TO: **Mayor & Council**

DATE: **January 24, 2024**

FROM: **General Manager, Engineering**

FILE: **1722-002-11**

SUBJECT: **Award of Contract No. 1722-002-11  
64 Avenue Improvements from 177B Street to 184 Street**

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**RECOMMENDATION**

The Engineering Department recommends that Council:

1. Award Contract No. 1722-002-11 to BA Blacktop Infrastructure Inc. in the amount of \$15,685,263.89 (including GST) for the 64 Avenue Improvements from 177B Street to 184 Street project;
2. Set the expenditure authorization limit for Contract No. 1722-002-11 at \$17,253,800.00 (including GST and contingency); and
3. Authorize the General Manager, Engineering to execute Contract No. 1722-002-11.

**INTENT**

The intent of this report is to seek Council's approval to award a contract for the 64 Avenue Improvements from 177B Street to 184 Street.

**DISCUSSION**

**Scope of Work**

At the May 15, 2023 Regular Council Meeting, Council endorsed, through Corporate Report No. R071; 2023 attached as Appendix "I", the strategic transportation short-term projects which identified and prioritized developing specific arterial roads to support the City's growth. One of the key corridors identified includes 64 Avenue between 177B Street and 184 Street.

The construction package related to this Contract consists of the widening of 64 Avenue from 177B Street to 184 Street from two lanes to four lanes, including pedestrian and cycling infrastructure, to support growth and increased traffic volumes. As well, the project will improve access and circulation in the neighborhood through the introduction of signalized intersections at 180 Street, 181A Street, and Claytonwood Gate. Furthermore, this Contract includes the coordinated installation of BC Hydro duct work, outlined Corporate Report No. R004; 2024 attached as Appendix "II", which is being delivered as part of the road works to minimize construction impacts on the road users.

The project locations are listed in the following table, which are also illustrated on the map attached to this report as Appendix “III”:

Map Reference Number	Project #	Project Description	Location
1	R-7409	Road Improvements	64 Avenue: 177B Street to 184 Street
2	R-15546	Intersections Improvements	64 Avenue and 180 Street
3	R-15547	New Pedestrian Signal	64 Avenue and 181A Street
4	R-15550	New Traffic Signal	64 Avenue and Claytonwood Gate
5	W-4942	360m of 350mm diameter	64 Avenue: 178 Street to 180 Street
6	W-14016	650m of 200mm diameter	64 Avenue: 180 Street to Lot 18303; 181A Street
7	D-20540	250m of 525mm and 265m of 600mm diameter	64 Avenue: 177B Street to 179 Street

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*.

### Invitation to Tender Results

An Invitation to Tender followed the City’s Purchasing Bylaw and was publicly posted on the BC Bid and City of Surrey websites. Tenders for the subject contract were opened on January 19, 2024, with the following results:

<i>Contractor</i>	<i>Tendered Amount with GST</i>	<i>Corrected Amount</i>
1. BA Blacktop Infrastructure Inc.	\$15,685,254.41	\$15,685,263.89
2. Lafarge Canada Inc.	\$15,750,525.00	No Change
3. B&B Heavy Civil Construction Ltd.	\$16,150,600.00	\$16,256,599.99
4. Jack Cewe Construction Ltd.	\$16,290,773.10	No Change
5. Arsalan Construction Ltd.	\$18,302,389.25	\$18,262,857.80

The Engineer’s (Aplin & Martin Ltd.) and BC Hydro’s pre-tender estimate was \$17.6 million, including GST.

### Evaluation

The submissions were reviewed for accuracy and completeness. There were three arithmetic errors that had no bearing on the outcome of the tender process. All submissions included the required 10% bid bond and were signed on the Tender Form.

The low bidder, \_ BA Blacktop Infrastructure Inc., has provided a Consent of Surety for a Performance Bond and a Labour & Materials Bond, and agreed to complete the work within 200 working days, as stipulated in the contract. BA Blacktop Infrastructure Inc.’s past performance on similar work has been satisfactory. They have no outstanding legal claims against the City. It is recommended that BA Blacktop Infrastructure Inc. be awarded Contract No. 1722-002-11.

## **Project Schedule**

The Contract work is expected to start in February 2024, and be completed by Spring 2025. A four-week road closure may be required during Summer 2024 to accommodate construction.

## **FUNDING**

Funding for this Contract is available in the approved 2024 Transportation and Utilities Budget. Funding for the BC Hydro duct work under this Contract is being funded 100% by BC Hydro.

Scott Neuman, P.Eng.  
General Manager, Engineering

VJ/cc

Appendix "I" – Corporate Report No. R071; 2023

Appendix "II" - Corporate Report No. R004; 2024

Appendix "III" – Map of Locations – Contract No. 1722-002-11

## CORPORATE REPORT

NO: **R071**

COUNCIL DATE: **May 15, 2023**

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### REGULAR COUNCIL

TO: **Mayor & Council**

DATE: **May 11, 2023**

FROM: **General Manager, Engineering**

FILE: **5260-07**

SUBJECT: **Short-Term Transportation Priorities**

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### RECOMMENDATION

The Engineering Department recommends that Council:

1. Receive this report as information;
2. Endorse the proposed strategic Transportation short-term projects, as presented in this report;
3. Endorse staff to develop a strategy for advocating for increased transit service in Surrey; and
4. Direct staff to assess the feasibility, costs, benefits, and impacts of extending 72 Avenue between 152 Street and Highway 15.

### INTENT

The intent of this report is to obtain Council endorsement of the short-term transportation priorities to support the City's growth, including direction on proceeding with a feasibility study of extending 72 Avenue east of 152 Street.

### BACKGROUND

The Engineering Department's 10-Year Servicing Plan (2023-2032) was approved by Council at the Regular Council Meeting on March 6, 2023 through Corporate Report No. R031; 2023. The plan identifies the infrastructure investments required to support the City's anticipated population growth over the next ten years. At the March 6, 2023 Council Meeting, questions were raised by Council as to the ability to prioritize particular transportation projects in the short-term and the feasibility of extending 72 Avenue east of 152 Street. This report highlights the City's strategic transportation priorities and capital programming over the next few years.

### DISCUSSION

Transportation's short-term capital program focuses on delivering \$300 million in transportation investments over the next four years, primarily funded through Development Cost Charges and the recently approved increase in Road and Traffic Levy. City funds are complemented by

financial support from TransLink for major road, bike and transit networks, and the Ministry of Transportation and Infrastructure for Highway 99 interchange improvements.

The following summarizes the recommended direction for key areas of investment:

1. Developing the arterial network to improve traffic movement, safety and integrated cycling-walking facilities where possible. The priority arterials are 20 Avenue, 32 Avenue, 72 Avenue, 80 Avenue, 132 Street, and 152 Street, as outlined in Appendix "I";
2. Prioritizing protected cycling around SkyTrain stations and connecting City Centre to Guildford and Fleetwood, as outlined in Appendix "II";
3. Working with TransLink and the Province to implement improved transit services essential for sustaining Surrey's continuous growth, focusing on the Surrey-Langley SkyTrain Project, Bus Rapid Transit to Newton, and RapidBus on Scott Road, as outlined in Appendix "III"; and
4. Advocating for strategic regional connections to Highway 99 in South Surrey, as outlined in Appendix "IV", to support population growth and manage congestion.

### **72 Avenue between 152 Street and Highway 15 (176 Street)**

Over the past year, staff have received inquiries from both the public and Council regarding the need for additional east-west connectivity across the City, particularly the feasibility of connecting 72 Avenue. Two segments of 72 Avenue, 144 Street to 152 Street and Fraser Highway to 188 Street, are planned to be widened as part of the approved 10-Year Servicing Plan.

The central segment, between 152 Street and Highway 15, is not within the City's 10-Year Servicing Plan. Along this 5 km segment, a 20m wide unopen road allowance exists through the Agricultural Land Reserve; however, a road through this area would require lengthy preloading, raising above the floodplain, and a bridge across Serpentine River. The estimated cost for this road segment is \$75 to \$95 million.

If Council desires, staff could commence a feasibility study of the costs, benefits, impacts, permit requirements, and project timeline for extending 72 Avenue east of 152 Street. This study would be completed by Q1 2024 and presented to Council.

### **CONCLUSION**

Council's approval of the proposed transportation short-term capital priorities will benefit residents and support growth across the City.



Scott Neuman, P.Eng.  
General Manager, Engineering

RV/KS/AM/PK/BH/cc

Appendix "I" – Major Arterial Improvements

Appendix "II" – Cycling Connections

Appendix "III" – Rapid Transit

Appendix "IV" – Regional Projects

**Note: Appendices available upon request**

NO: R004

COUNCIL DATE: January 15, 2024

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**REGULAR COUNCIL**

TO: Mayor & Council

DATE: January 11, 2024

FROM: General Manager, Engineering

FILE: 1722-002-11

SUBJECT: Coordinated Works Agreement with BC Hydro  
64 Avenue Improvements from 177B Street to 184 Street

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**RECOMMENDATION**

The Engineering Department recommends that Council:

1. Receive this report for information;
2. Approve entering into an Agreement with BC Hydro for the installation of BC Hydro duct work, which will be delivered as part of the upcoming 64 Avenue Improvements from 177B Street to 184 Street project; and
3. Authorize the Mayor and City Clerk to execute the finalized Agreement with BC Hydro for the installation of BC Hydro duct work as part of the upcoming 64 Avenue Improvements from 177B Street to 184 Street.

**INTENT**

The intent of this Corporate Report is to seek Council's approval to enter into an Agreement with BC Hydro for the purposes of installing BC Hydro duct banks as part of the upcoming 64 Avenue Improvements from 177B Street to 184 Street project, which will be 100% funded by BC Hydro.

**BACKGROUND**

At the May 15, 2023 Regular Council Meeting, Council endorsed through Corporate Report No. R071; 2023 (attached as Appendix "I"), the strategic transportation short-term projects which identified and prioritized developing specific arterial roads to support the City's growth. One of the key corridors identified includes 64 Avenue between 177B Street to 184 Street in the location illustrated in Appendix "II".

During the development of the project designs for the 64 Avenue road improvements, staff identified an opportunity to coordinate the road improvements with BC Hydro's planned duct bank project planned along the same segment of the planned 64 Avenue road improvements. BC Hydro's duct bank project is an important investment for Surrey as it will support growth in the Cloverdale community and service the new Surrey hospital and BC Cancer Centre. Delivering BC Hydro's planned duct bank project as part of the upcoming 64 Avenue road improvements will help minimize the associated impacts on the road users and provide improved opportunities for economies of scale.

## DISCUSSION

### Agreement

Staff are finalizing the agreement with BC Hydro in advance of construction of the 64 Avenue road improvements. The Agreement will establish BC Hydro as responsible for funding 100% of the construction cost related to the installation of the BC Hydro duct work.

### Project Schedule

An invitation for tender for the 64 Avenue road improvements and BC Hydro duct bank installation is currently posted on BC Bid and the City's website. Staff anticipate presenting a corporate report for the construction contract award to Council in February 2024. Subject to Council approval, construction is expected to start in late February 2024 and be completed by November 2024.

### Legal Services Review

This report and related Agreement have been reviewed by Legal Services

## FUNDING

Funding for the City's costs related to the installation of the BC Hydro duct work will be funded 100% by BC Hydro.

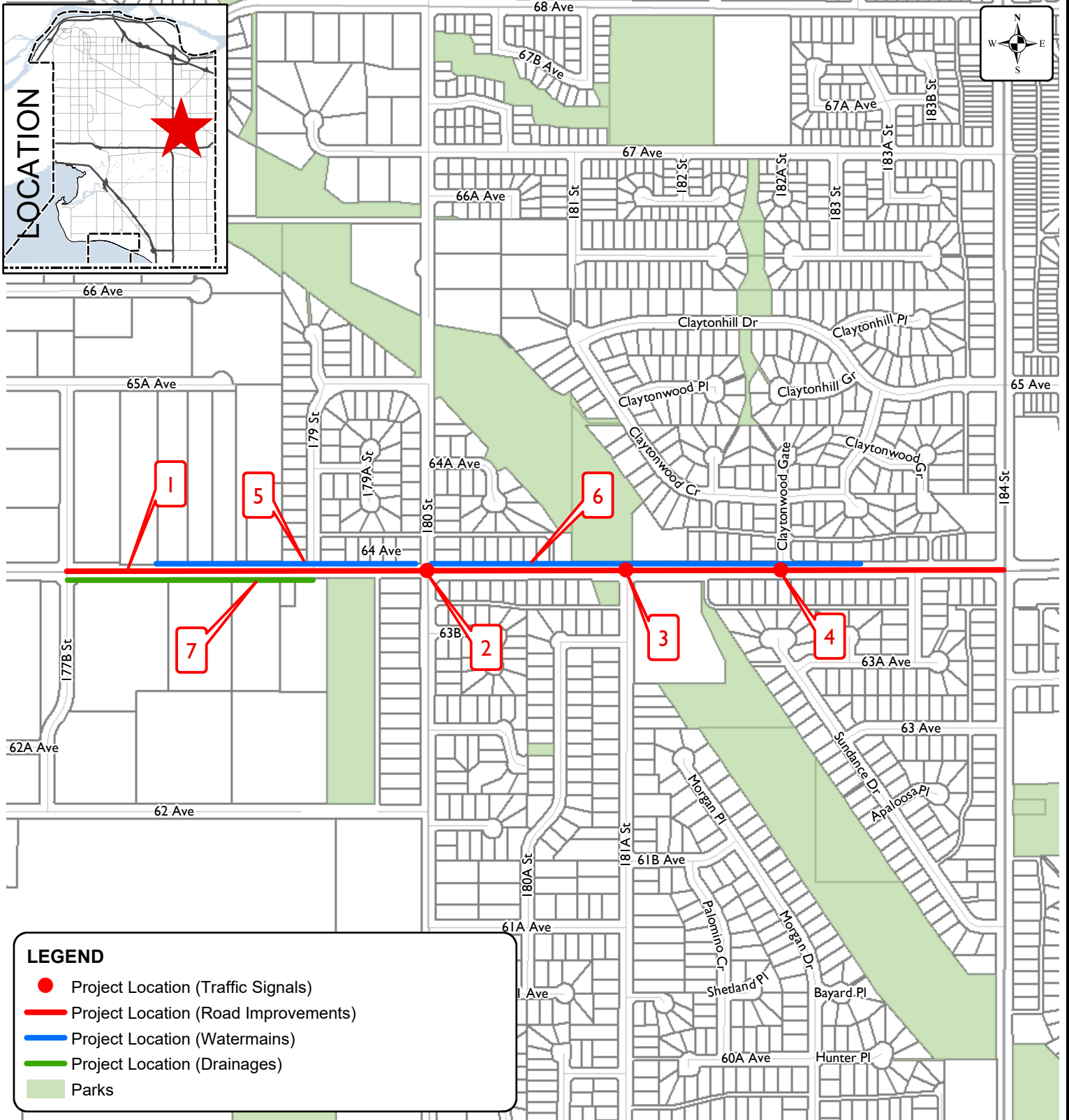


Scott Neuman, P.Eng.  
General Manager, Engineering

VJ/cc

Appendix "I" – Corporate Report No. R071; 2023  
Appendix "II" – Map of Project Location

**Note: Appendices available upon request**



Produced by GIS Section: 24-Nov-2023

Scale: 1:7,500 0 80 M



## Contract No. 1722-002-11 64 Avenue Improvements - 177B Street to 184 Street

ENGINEERING  
DEPARTMENT