

NO: R051

COUNCIL DATE: March 11, 2024

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**REGULAR COUNCIL**

TO: **Mayor & Council**

DATE: **March 7, 2024**

FROM: **General Manager, Engineering**

FILE: **1717-058-11**

SUBJECT: **Award of Contract No. 1717-058-11  
32 Avenue Improvements from 184 Street to 188 Street**

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**RECOMMENDATION**

The Engineering Department recommends that Council:

1. Award Contract No. 1717-058-11 to United Earth Contractors Corp. in the amount of \$7,777,996.72 (including GST) for the 32 Avenue Improvements from 184 Street to 188 Street project;
2. Set the expenditure authorization limit for Contract No. 1717-058-11 at \$8,556,000.00 (including contingencies and GST); and
3. Authorize the General Manager, Engineering to execute Contract No. 1717-058-11.

**INTENT**

The intent of this report is to seek Council's approval to award a contract for the 32 Avenue Improvements from 184 Street to 188 Street.

**BACKGROUND**

On May 15, 2023, Council endorsed, through Corporate Report No. R071; 2023 attached to this report 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 32 Avenue Improvements from Highway 15 to 188 Street.

This contract represents the first phase of a multi-phased program for improved transportation and goods movement in Campbell Heights, providing multimodal infrastructure on 32 Avenue from Highway 15 to 196 Street. After this phase, the next segment to be widened will be 32 Avenue from Highway 15 to 184 Street.

## DISCUSSION

### Scope of Work

The construction package related to this contract consists of the widening of 32 Avenue from 184 Street to 188 Street from two lanes to four lanes, including pedestrian and cycling infrastructure, to support growth and increased traffic volumes.

In addition, this contract includes the coordinated installation of BC Hydro duct work, as outlined in Corporate Report No. R021; 2024 attached to this report 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, and are also illustrated on the map attached to this report as Appendix “III”:

Map Reference Number	Project #	Project Description	Location
1	R-10607	Road Improvements	32 Avenue: 184 Street to 188 Street
2	R-10607	New Traffic Signal	32 Avenue and 188 Street Intersection

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*. A four-week road closure may be required during Summer 2024 to facilitate construction.

### 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 February 22, 2024, with the following results:

	<b>Contractor</b>	<b>Tendered Amount with GST</b>	<b>Corrected Amount</b>
1.	United Earth Contractors Corp.	\$7,775,951.99	\$7,777,996.72
2.	B&B Heavy Civil Construction Ltd.	\$7,782,600.00	No Change
3.	GB Paving Ltd.	\$8,332,214.10	No Change
4.	Clearway Construction Inc.	\$10,428,251.00	No Change

The Engineer’s (R.F. Binnie & Associates Ltd.) and BC Hydro’s pre-tender estimate was \$8.9 million (including GST).

### Evaluation

The submissions were reviewed for accuracy and completeness. There was one arithmetic error 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, United Earth Contractors Corp., has provided a Consent of Surety for a Performance Bond and a Labour & Materials Bond, and agreed to complete the work within 240 working days, as stipulated in the contract. United Earth Contractors Corp. has limited experience undertaking municipal roadworks; however, their past performance on related projects such as local road work and utility and earthwork projects for private land development projects has been satisfactory, as confirmed by reference checks. Furthermore, United Earth Contractors Corp. will utilize sub-contractors who have experience undertaking roadworks for key elements of the project. They have no outstanding legal claims against the City. It is recommended that United Earth Contractors Corp. be awarded Contract No. 1717-058-11.

### **Project Schedule**

The contract work is expected to start in April 2024, and be completed by Spring 2025.

### **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/bn/cc

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

Appendix "II" - Corporate Report No. R021; 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**

## CORPORATE REPORT

NO: *R021* COUNCIL DATE: *February 12, 2024*

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### REGULAR COUNCIL

TO: Mayor & Council DATE: February 2, 2024  
FROM: General Manager, Engineering FILE: 1717-058/11  
SUBJECT: Coordinated Works Agreement with BC Hydro  
32 Avenue Improvements from 184 Street to 188 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 32 Avenue Improvements from 184 Street to 188 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 32 Avenue Improvements from 184 Street to 188 Street project.

### 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 work as part of the upcoming 32 Avenue Improvements from 184 Street to 188 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 32 Avenue between 184 Street to 188 Street in the location illustrated in Appendix "II".

During the development of the project designs for the 32 Avenue 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 32 Avenue road improvements. BC Hydro's duct work project is an important investment for Surrey as it will support growth in the Campbell Height area. Delivering BC Hydro's planned duct work project as part of the upcoming 32 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 32 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 32 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 March 2024. Subject to Council approval, construction is expected to start in April 2024 and be completed by March 2025.

### 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.

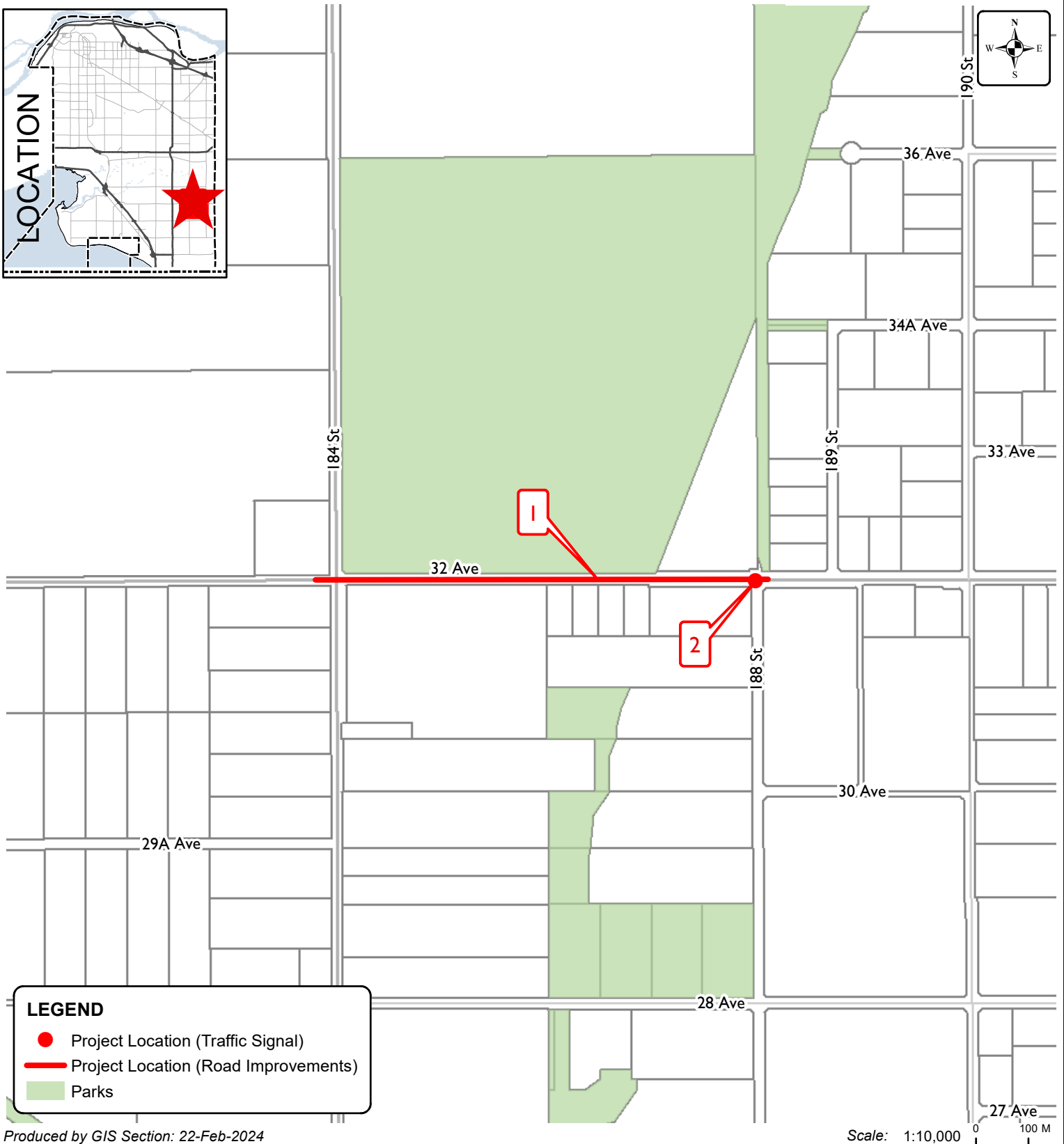
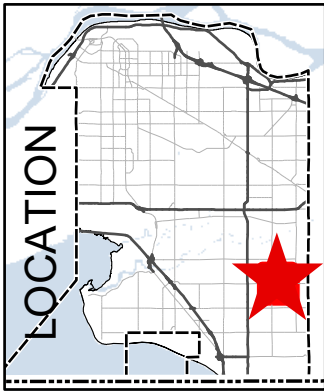


Scott Neuman, P.Eng.  
General Manager, Engineering

VJ/cc

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

**Note: Appendices available upon request**



**LEGEND**

- Project Location (Traffic Signal)
- Project Location (Road Improvements)
- Parks

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Scale: 1:10,000



## Contract No. 1717-058-11 32 Avenue Improvements - 184 Street to 188 Street

ENGINEERING  
DEPARTMENT