

NO: R021

COUNCIL DATE: February 12, 2024

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**

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

CORPORATE REPORT

NO: **R071**

COUNCIL DATE: **May 15, 2023**

REGULAR COUNCIL

TO: **Mayor & Council**

DATE: **May 11, 2023**

FROM: **General Manager, Engineering**

FILE: **5260-07**

SUBJECT: **Short-Term Transportation Priorities**

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

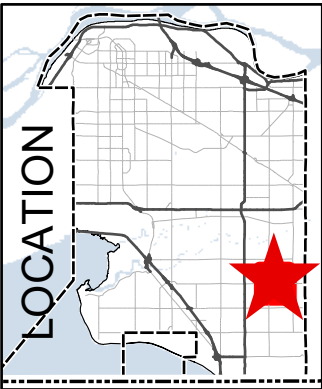
Appendix "II" – Cycling Connections

Appendix "III" – Rapid Transit

Appendix "IV" – Regional Projects

Note: Appendices available upon request

APPENDIX "II"

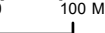


LEGEND

- BC Hydro Duct Work
- Parks

Produced by GIS Section: 31-Jan-2024

Scale: 1:10,000



BC Hydro Duct Work

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\DnCJX_1717-058-11_BCHYDRO_TA.mxd