



City of Delta
COUNCIL REPORT
Regular Meeting

F.04

To: **Mayor and Council**

File No.: **R13-147**

From: **Engineering Department**

Date: **July 8, 2020**

**53 Street (28 Avenue to 34B Avenue) Roadway Improvements
Contract Award and Noise Variance**

The following report has been reviewed and endorsed by the City Manager.

▪ **RECOMMENDATIONS:**

- A. THAT a contract for the 53 Street (28 Avenue to 34B Avenue) Roadway Improvements project be awarded to Eurovia British Columbia Inc. in the amount of \$1,784,596.79, including GST.
- B. THAT the Director of Engineering and the Director of Finance be authorized to execute the contract.
- C. THAT Eurovia British Columbia Inc. be granted relief from enforcement of the Delta Noise Bylaw No. 1906, 1972 for the purpose of mitigating local farming and traffic impacts.
- D. THAT the period of relief be granted to work from 8:00 p.m. to 5:00 a.m. between Monday to Saturday for the duration of the project.
- E. THAT the period of relief be granted to work a consecutive 72 hours between Monday to Friday within the period of August 3, 2020 to August 14, 2020 for the purpose of installing a culvert.

▪ **PURPOSE:**

The purpose of this report is to obtain Council approval to award a contract to Eurovia British Columbia Inc. and seek relief from the Delta Noise Bylaw No. 1906, 1972.

▪ **BACKGROUND:**

At the April 27, 2020 Regular Meeting, Council approved the 2020 revised Capital Plan, which included funding for 53 Street (28 Avenue to 34B Avenue) Roadway Improvements, as outlined on the Capital Plan detail sheets (Attachment A).

Council Policy:

Contract awards for \$50,000.00 or greater require Council approval.

Delta Noise Control Bylaw No. 1906, 1972 as amended states:

9. *No person shall carry on or cause to be carried on any works in connection with the construction, reconstruction, alteration or repair of any highway in such a manner as to disturb the quiet, peace, rest, enjoyment, comfort or convenience of the neighbourhood or of persons in the vicinity before 7:00 a.m. or after 7:00 p.m. any day of the week from Monday to Friday, inclusive, before 9:00 a.m. or after 5:00 p.m. on Saturday, or at any time Sunday or a Holiday.*

▪ **DISCUSSION:**

Since fall 2018, Metro Vancouver has been working in and around the intersection of 53 Street and 28 Avenue upgrading their watermain. In addition to the Metro Vancouver watermain upgrades, the municipal watermain and storm sewers have also been upgraded.

The works included in this contract is the last phase of scheduled works in the area and include a traffic signal with LED lighting at the intersection of 53 Street and 28 Avenue, dedicated north, east and westbound turn lanes, bus stop improvements and re-paving of the roadway from 28 Avenue to 34B Avenue. The works also include the installation of a large diameter culvert crossing 53 Street just south of the Deltaport Way overpass.

Road Closure – 53 Street

Due to the depth of excavation, relatively narrow roadway and nearby underground utilities, a full road closure is required to facilitate the installation of the large diameter culvert crossing 53 Street. A temporary full road closure for a consecutive 72 hours is required. In an effort to minimize disturbances to the farming community during harvest season, staff proposes the road closure take affect for a 72 hour period between the dates of August 3, 2020 to August 14, 2020. The work shall continue through the evening and overnight hours in efforts to reopen the roadway as soon as possible. In general, the road closure/detour plan will be as per the 53 Street Detour Plan (Attachment B).

Night-time Works

The majority of the remaining works will be carried out at night in order to reduce the impact to local traffic and the farming community during harvest season. The hours of work will be from 8:00 p.m. to 5:00 a.m. between Monday to Saturday. At a minimum, single lane alternating traffic will be maintained.

Staff will ensure commuters, nearby residents, businesses and the farming community have as much information and early notification as possible through the use of changeable message boards, radio and social media prior to the proposed works. The contractor will be responsible for preparing the Traffic Management Plan for Delta's review and approval.

Invitation to Tender No. 20-098, 53 Street (28 Avenue to 34B Avenue) Roadway Improvements, was posted on BC Bid. Five bids were received.

Bidder	Bid Price (including GST)
Eurovia British Columbia Inc.	\$ 1,784,596.79
Lafarge Canada Inc.	\$ 1,993,519.50
Crown Contracting Limited	\$ 2,048,786.20
J. Cote and Son Excavating Ltd.	\$ 2,374,054.20
Black Diamond Paving Ltd.	\$ 2,404,621.54

Eurovia British Columbia Inc.'s bid was the lowest priced and meets the requirements of the project.

COVID-19 Implications - This work is essential at this time to maintain critical road and transportation infrastructure.

Implications:

Financial Implications - The 53 Street (28 Avenue to 34B Avenue) Roadway Improvements is Council approved work within the 2020 Capital Plan. The project costs are provided below.

PROJECT COSTS:

Tender Value (20-098)	\$	1,784,596.79	For Award
Metro Vancouver Cost Sharing Agreement	\$	695,895.60	Invoiced
Watermain Install by Delta Operations	\$	315,000.00	Completed
Civil Consulting Fees, Tree Planting & Misc.	\$	307,821.15	Estimated
Project Allowance	\$	<u>180,000.00</u>	Estimated
Total Construction Cost (including GST)	\$	3,283,313.54	
Less GST Rebate	\$	<u>(156,348.26)</u>	
Net Total Project Cost	\$	3,126,965.28	

PROJECT FUNDING:

2020 Roads – CO5	\$	3,313,000.00	Attachment A
2020 Roads – 1	\$	<u>275,000.00</u>	Attachment A
Total Available Funding	\$	3,588,000.00	

As noted above, the anticipated total project costs are \$3,126,965.28, net of the GST. This amount is within the available funding.

CONCLUSION:


It is recommended that Eurovia British Columbia Inc. be awarded a contract for the 53 Street (28 Avenue to 34B Avenue) Roadway Improvements in the amount of \$1,784,596.79, including GST. It is also recommended that the contractor be given relief from the Delta Noise Bylaw.



Steven Lan, P.Eng
Director of Engineering

Department submission prepared by: Johngir Kianipour, ASCT, Project Manager
JK/da/lf

This report has been prepared in consultation with the following listed department.

Concurring Department		
Department	Name	Signature
Finance	Melanie Kerr	

▪ **ATTACHMENTS:**

- A. Capital Plan Detail Sheets (2020 Roads – CO5, 2020 Roads – 1)
- B. 53 Street Detour Plan at Deltaport Way – Culvert Installation Works

2020 CAPITAL PLAN - CARRYOVER

ROADS - CO 5

TCA

non-TCA

Arthur Drive Improvements - 53 Street - 28 Avenue to 34B Avenue

Project Scope:
This project includes marked bike lanes, bus stop improvements, pavement widening and rehabilitation, hydro relocations, LED street lighting at a bus stop and a new traffic signal at 53 Street and 28 Avenue. Drainage improvements include ditch infill with associated environmental compensation, culvert and storm main installation. Tree relocation/replacement and fencing are included.

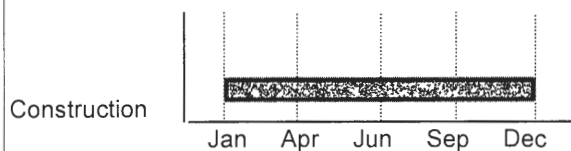
Funding Sources:

Designated Capital	\$2,754,000
TransLink (BICCS)	\$354,000
Metro Vancouver	\$205,000
Project Total	<u>\$3,313,000</u>

Location:

Annual Associated Operating Costs starting in 2021: \$

Schedule:



Cost To Complete:

2020 Roads - CO 5: \$3,313,000
2020 Roads - 1: \$275,000

Approvals Required:

Total Cost To Complete: \$3,588,000
Estimated Completion: 2020

Construction Performed by:

Municipal Crew External Contractor

Project Rationale:

The project will improve safety, street aesthetics, drainage, street lighting and provide bike lanes to complete a continuous bike route from Tsawwassen to Ladner.

Program Overview:

The Neighbourhood Road Improvement Program incorporates Capital Project Construction for projects within the Neighbourhood Street Program. This scope of work includes tender and construction during the spring and summer months.

2020 CAPITAL PLAN

ROADS - 1

- TCA
- non-TCA

Neighbourhood Road Improvements Program - Construction

Project Scope:

The scope of this work involves the construction of the Neighbourhood Road Improvements Program projects which includes the construction of roadway improvements along 114 Street between 92A Avenue and 96 Avenue, Ladner Trunk Road between 64 Street and Anderson Place, intersection improvements at 53 Street at 28 Avenue, new sidewalk along Cliveden Avenue from the BCIT campus to Eaton Way and along Hopcott Road south of Tilbury Road, and sidewalk replacement along Bridge Street within the Ladner Village.

Funding Sources:

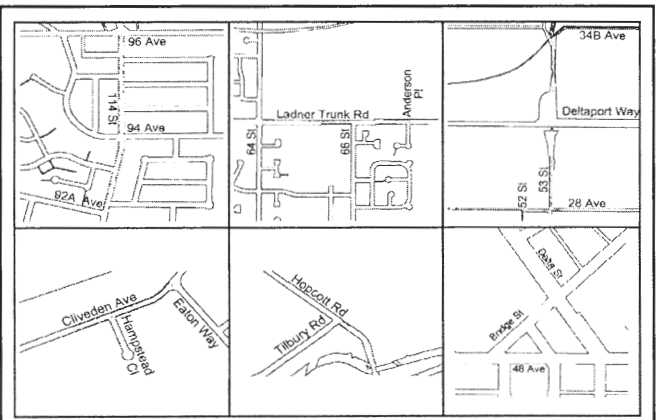
Tax Draw (Roads-NRIP)	\$2,518,000
Tax Draw (Drainage)	\$705,000
Community Works Fund	\$750,000
TransLink (WITT)	\$177,000
BC Hydro	\$70,000

Project Total \$4,220,000

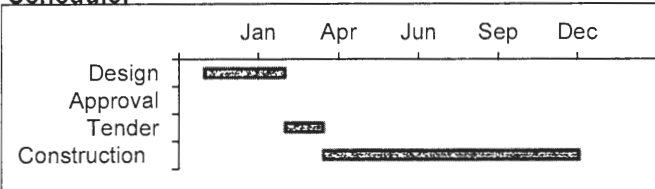
Annual Associated Operating Costs Starting in 2021:

\$49,500

Location:



Schedule:



Estimated Completion: December 2020

Approvals Required:

The 114 Street project received early approval at the December 16, 2019 Regular Council meeting.

Construction Performed by:

City Crew	<input checked="" type="checkbox"/>	External Contractor	<input checked="" type="checkbox"/>
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Project Rationale:

The construction of these improvements will promote active transportation, address neighbourhood mobility and accessibility to the rest of the community.

Program Overview:

The Neighbourhood Road Improvements Program incorporates capital project construction for projects within the Neighbourhood Street Program. This scope of work includes tender and construction during the spring and summer months.

Project Costs:

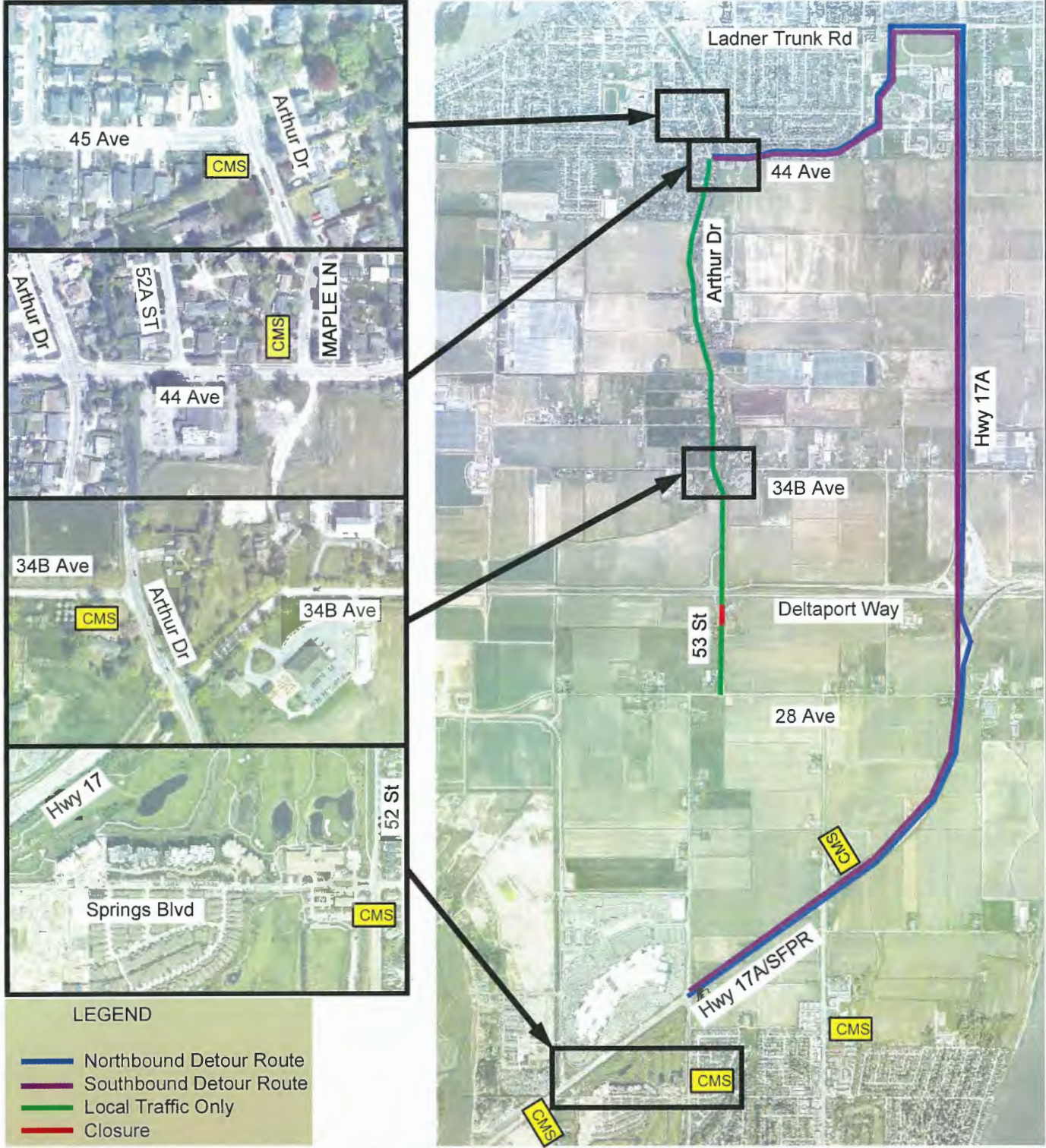
114 Street - 92A Avenue to 96 Avenue	\$2,600,000
Ladner Trunk Road - 64 Street to Anderson Place	\$450,000
53 Street and 28 Avenue	\$275,000
Cliveden Avenue Sidewalk	\$250,000
Hopcott Road Sidewalk	\$250,000
Bridge Street Sidewalk Replacement	\$395,000

Total Project Costs: \$4,220,000

2019 Capital Plan: \$6,347,500



53 Street Detour Plan at Deltaport Way - Culvert Installation Works



CMS Changeable Message Boards: 53 ST CLOSED AT DELTAPORT WAY
=> FOLLOW DETOUR ROUTE => MOTORIST USE HWY 17/17A

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**City of Delta
Engineering**

FILE: R13-147
DATE: 2020-07-07

REFERENCE:
53 Street Detour Plan at Deltaport Way
- Culvert Installation Works