



The Corporation of Delta
COUNCIL REPORT
Regular Meeting

F.05(a)

To: **Mayor and Council**

File No.: **D15-420**

From: **Engineering Department**

Date: **May 8, 2017**

Noise Variance for Tasker Floodbox Replacement Project

The following report has been reviewed and endorsed by the Chief Administrative Officer.

▪ **RECOMMENDATIONS:**

- A. THAT the successful bidder be granted relief from enforcement of the Delta Noise Control Bylaw No. 1906, 1972 for the purpose of replacing the existing floodbox and pump station discharge pipes located along River Road at 80 Street.
- B. THAT the period of relief be granted for the full duration of the contract from June 19, 2017 until September 8, 2017 to facilitate works from 7:00 a.m. to 9:00 a.m. and from 5:00 p.m. to 7:00 p.m. on Saturdays, and from 7:00 a.m. to 5:00 p.m. on Sundays and Holidays, and extended at the discretion of the Director of Engineering.

▪ **PURPOSE:**

The purpose of this report is to seek relief from the Delta Noise Control Bylaw No. 1906, 1972 for the purpose of replacing the existing floodbox and discharge pipes at River Road and 80 Street.

▪ **BACKGROUND:**

At the February 28, 2017 Special Meeting, Council approved the 2017 Capital Plan, which included funding for the tasker floodbox replacement at River Road and 80 Street, as outlined on the Capital Plan detail sheet (Attachment A).

Council Policy:

Delta Noise Control Bylaw No. 1906, 1972 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:**

This work generally consists of replacing the existing floodbox and discharge pipes under River Road, both of which form part of Delta's irrigation system and are vital to providing irrigation water to Delta's farming community. Due the recent partial collapse of a discharge pipe, these works have been brought forward and are currently on BC bid with a closing date of May 24, 2017.

Due to the location of the existing floodbox and discharge pipes, depth of excavation and nearby utilities, a temporary full road closure is required along River Road at 80 Street to facilitate construction in a safe and timely manner. The road closure will be in-place from June 19, 2017 until September 8, 2017. All local traffic will be detoured via Huston Road, River Way and 82 Street as per the Traffic Management Plan (Attachment B). The contractor will be responsible for preparing the Traffic Management Plan for Delta's review and approval.

With the completion of the South Fraser Perimeter Road (SFPR), regional traffic has shifted away from River Road, resulting in a significant decrease in traffic volumes. The road closure is expected to have minimal impact to local area road network. The Tilbury intersection, including the roundabout that provides access to 80 Street and Progress Way, will continue to provide unimpeded direct access from SFPR to the nearby Tilbury Business Park.

To ensure public awareness of the road closure, notices will be placed in the Delta Optimist and the North Delta Reporter. Notification will also be added to Delta's website and updates will be communicated using social media. All relevant third parties will be contacted including Delta Fire and Emergency Services, Coast Mountain Bus Company, Delta Chamber of Commerce and the Tilbury Business Association. A Notice to Businesses will also be distributed prior to the road closure.

Emergency Bypass Pumping at 80 Street Pump Station

In order to maintain a supply of irrigation water to Delta's farming community, Delta's Engineering Operations commenced the installation of a bypass pumping system at River Road on Saturday, May 6, 2017. This bypass pumping system will continue to operate throughout the duration of the road closure for the floodbox and discharge pipes replacement works.

Implications:

Financial Implications - The tasker floodbox replacement at River Road and 80 Street is Council approved work within the 2017 Capital Plan.

Community Implications – Noise impacts are expected to be low as the work is located north of the Tilbury Industrial Park. Adjacent businesses will be notified in advance of the work.

▪ **CONCLUSION:**

Staff recommend that the successful bidder be granted relief from enforcement of the Delta Noise Control Bylaw No. 1906, 1972 for the purpose of replacing the existing floodbox and discharge pipes at River Road and 80 Street.



Steven Lan, P.Eng.
Director of Engineering

Department submission prepared by: Liesl Fox, CEng, Capital Projects Manager

▪ **ATTACHMENTS:**

- A. Capital Plan Detail Sheet (2017 ROADS – 7)
- B. Traffic Management Plan

2017 CAPITAL PLAN

ROADS - 7

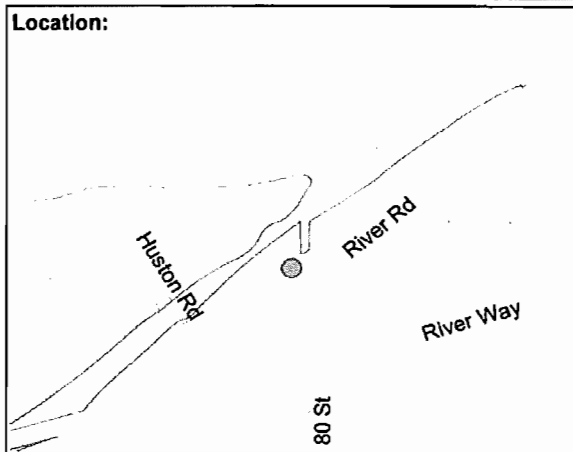
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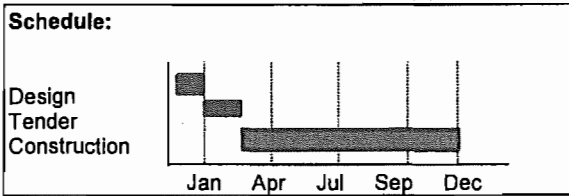
Bridge, Culvert and Retaining Wall Maintenance

Project Scope:
This is an ongoing program for the rehabilitation of Delta's bridge structures (both vehicular and foot bridges, MRN and Non-MRN), major road culverts, retaining walls and wharfs. The work identified for this year is the replacement of the Tasker Floodbox.

Funding Sources:	
2017 Tax Draw (Drainage)	\$610,000
TransLink (Rehabilitation)	\$500,000
DCC (D-107)	\$22,000
Project Total	<u>\$1,132,000</u>



Annual Associated Operating Costs starting in 2018:
\$



Project Costs:

Tasker Floodbox Replacement: \$1,132,000
Total Project Cost: \$1,132,000

2016 Capital Plan: \$150,000

Approvals Required:
Inspector of Dikes

Construction Performed by:
Municipal Crew External Contractor

Project Rationale:
It is necessary to maintain consistent and regular rehabilitation/maintenance schedules of our bridge structures, major culverts and retaining walls for operational and integrity purposes.

Program Overview:
This is an ongoing program for the rehabilitation/maintenance of Delta's bridge structures (both vehicular and foot bridges, MRN and Non-MRN) culverts and retaining walls. Regular assessments of Delta's major structures are necessary to determine rehabilitation/maintenance programs to extend the life of the infrastructure, enhance public safety and avoid the need for more costly future repairs/rehabilitation.

RIVER ROAD AND 80 STREET ROAD CLOSURE



LEGEND:  DETOUR ROUTE
 ROAD CLOSURE