



Public Works and Transportation Committee

Date: Wednesday, November 20, 2019

Place: Anderson Room
Richmond City Hall

Present: Councillor Kelly Greene, Vice-Chair
Councillor Linda McPhail
Councillor Alexa Loo
Councillor Michael Wolfe

Absent: Councillor Chak Au, Chair

Also Present: Councillor Harold Steves
Councillor Carol Day

Call to Order: The Chair called the meeting to order at 4:00 p.m.

MINUTES

It was moved and seconded

That the minutes of the meeting of the Public Works and Transportation Committee held on October 23, 2019, be adopted as circulated.

CARRIED

NEXT COMMITTEE MEETING DATE

December 18, 2019, (tentative date) at 4:00 p.m. in the Anderson Room

DELEGATION

1. With the aid of a PowerPoint presentation (copy on file, City Clerk's Office), Fred Nenninger, Director, Policy Planning and Analysis, Liquid Waste Services, Metro Vancouver, spoke to an update on the Iona Wastewater Treatment Plant and provided the following information:

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- the Iona Wastewater Treatment Plant is required by regulation to be upgraded to a secondary treatment plant by 2030;
- the project definition phase will provide a plan for the plant to the end of the century and the first build will serve communities to 2050;
- a series of eight Workshops are structured to work through a well-defined process to analyse various options in order to select the indicative design; the current stage is Workshop 4;
- three plant concepts have been developed – Secondary Plant, Tertiary Plant (Filtration) and Tertiary Plant (Membrane BioReactor), the build, referred to as a Matrix, can be selected by a combination of the three concepts;
- the removal of micro-pollutants is being examined beyond tertiary treatment;
- Metro Vancouver has great interest in finding resource recovery opportunities, such as electricity, heat, water, nutrients and fuel; and
- Metro Vancouver will report back to Committee early Spring of 2020 to present the recommended design.

In response to questions from the Committee, Mr. Nenninger noted the following:

- all three options should be within 20% of each other for capital investment; however, the lifecycle and operating costs will vary;
- 90% or more of microplastics will be removed at the secondary/tertiary processes;
- the advanced treatment pilot plant will target the micro-pollutants, such as pharmaceutical products, personal care products, and legacy chemicals and will use oxidation technology, which destroys chemicals in an ozone reaction and doubles as a disinfection system in terms of viruses and bacteria;
- the Matrix idea will allow the final plan to be drawn from various options in the three plant scenarios; therefore, how the plant integrates with the surrounding area can be customized;
- future discussions regarding habitat enhancements are planned with the Vancouver Port Authority, Raincoast and other interest groups;
- the 7 km outflow pipeline remains as deep sea outflow with no future changes;
- advanced treatment will target the legacy PCBs (polychlorinated biphenyls);

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- the Biosolids Management Group is working with the City of Richmond to look for opportunities to use biosolids to create certain soil products;
- the current capital plan has 2 billion dollars for initial capital investment and Metro Vancouver is still awaiting the estimates for the different options;
- 40% of the Metro Vancouver liquid waste goes through the Iona Wastewater Plant, rough estimates are 40% Iona, 40% Annacis, 10% Lulu Island and 10% North Shore;
- Metro Vancouver will work with city staff to look into low grade effluent heat and extract the energy and provide it to the district energy system;
- there are two options with natural gas production (i) use it onsite to produce own electricity for the plant, and (ii) polishing it and putting it back into the FortisBC gas grid.

In response to a query from Committee, staff noted that the upcoming public consultation dates will be shared on the City's website.

As a result of the discussion, the following **referral motion** was introduced:

It was moved and seconded

That staff work with Metro Vancouver and YVR Airport Authority to improve the safety of the road out to Iona for cyclists and other users.

CARRIED

Discussion took place on the potential for a sani dump in Richmond and as a result, the following **referral motion** was introduced.

It was moved and seconded

That staff investigate installing a sani dump in Richmond to properly dispose of effluent and report back.

CARRIED

In response to a query from Committee, Mr. Nenninger noted that it is not feasible to incorporate a sani dump with the Iona Wastewater Plant due to costs, security and isolation around the plant and issues with public funding.

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ENGINEERING AND PUBLIC WORKS DIVISION

2. UBCM COMMUNITY EMERGENCY PREPAREDNESS FUND 2019/2020 APPLICATION

(File Ref. No. 10-6060-04-01) (REDMS No. 6310970)

In response to questions from Committee, staff noted that (i) the flooding at Gilley Road and Westminster Highway was due to a failed bypass system and water was not getting to the pump station, (ii) the drainage model requires an update to determine appropriate sizing of the drainage system, (iv) the projects listed have been included in the proposed 2020 Capital program, and (v) the award of grants will be announced in 2020.

It was moved and seconded

- (1) *That the Flood Protection and Dike Upgrades submission to the 2019 Union of BC Municipalities (UBCM) Community Emergency Preparedness Fund for Structural Flood Mitigation be endorsed.*
- (2) *That the Seismic Assessment and Hydraulic Modeling submission to the 2020 UBCM Community Emergency Preparedness Fund for Flood Risk Assessment, Flood Mapping, and Flood Mitigation Planning be endorsed.*
- (3) *That, should the Flood Protection and Dike Upgrades submission and/or the Seismic Assessment and Hydraulic Modeling submission be successful, the Chief Administrative Officer and General Manager, Engineering and Public Works be authorized to negotiate and execute the funding agreements with UBCM.*

CARRIED

PLANNING AND DEVELOPMENT DIVISION

3. STEVESTON HIGHWAY-CONSTABLE GATE INTERSECTION OPERATIONS

(File Ref. No. 10-6450-08-01) (REDMS No. 6245721)

In response to queries from Committee, staff noted that (i) Richmond has used road diets in other locations, (ii) numerous studies have shown that narrowing lane widths have encouraged drivers to adhere to the posted speed limits, (iii) there is no correlation between road diets and a reduction in road capacity, (iv) past studies indicated that residents have not experienced traffic issues at Constable Gate to access Steveston Highway, and (v) the road diet along Steveston Highway is marginal and the road cross section will have to comply with the minimum prescribed dimensions set out by the national standards of road design.

4.

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It was moved and seconded

That the report titled “Steveston Highway-Constable Gate Intersection Operations” dated October 2, 2019, from the Director, Transportation be received for information.

The question on the motion was not called as Committee provided direction to staff to conduct additional consultation with the surrounding neighbourhood.

The question on the motion was then called and it was **CARRIED**.

4. **TRANSLINK REGIONAL GOODS MOVEMENT STRATEGY**

(File Ref. No. 01-0154-04) (REDMS No. 6229604)

In response to queries from Committee, staff noted that the City can discuss with TransLink on the possibility of adopting a new bylaw to enforce securing loose materials on vehicles and that it is a priority to examine mobility pricing in partnership with TransLink.

It was moved and seconded

That the staff report, titled “TransLink Regional Goods Movement Strategy” dated October 7, 2019, from the Director, Transportation, be received for information.

CARRIED

4A. **PERSONAL MICRO MOBILITY DEVICES**

(File Ref. No.)

Materials were distributed (attached to and forming part of these Minutes as Schedule 1).

Discussion took place and as a result, the following **referral motion** was introduced.

It was moved and seconded

- (1) *WHEREAS, the City of Richmond’s 18-month pilot program with U-bicycle for bike-sharing, is scheduled to end in March 2020 and staff will report back the outcomes and recommendations;*
- (2) *WHEREAS, THE Province of BC will have developed a process for creating pilot projects and will be inviting community proposals in early 2020;*

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- (3) ***THEREFORE, BE IT RESOLVED that the City Council of City of Richmond hereby directs staff to study the regulation of electric scooter sharing and parking and any related regulatory amendments that may be necessary to facilitate the introduction of dockless electric scooters sharing in Richmond (pending provincial regulatory approvals) and report back at the same time as the forthcoming March 2020 bike-sharing pilot.***

CARRIED

5. **MANAGER'S REPORT**

South Dike Upgrade Capital Project

Eric Sparolin, Acting Manager, Engineering Design & Construction provided an update on the South Dike upgrade between Gilbert Road and No. 3 Road noting that the base asphalt works have been completed and the gravel pathway works are nearing completion, and expecting to be open to the public at the end of the month. He advised that there will be ongoing minor work with single lane alternating traffic and the final paving and landscaping will take place in the Spring of 2020.

In response to a query from Committee, staff noted that (i) the expected completion of the Gilbert Road sewer work is April 2020, (ii) there are regular meetings between Richmond Fire-Rescue and the contractor regarding any concerns, and (iii) currently, it is unclear where the restored sidewalk will be installed after the Gilbert Road sewer work is completed.

Direction was given to staff to provide a memorandum on the final configuration of the sidewalks.

ADJOURNMENT

It was moved and seconded
That the meeting adjourn (4:58 p.m.).

CARRIED

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Certified a true and correct copy of the Minutes of the meeting of the Public Works and Transportation Committee of the Council of the City of Richmond held on Wednesday, November 20, 2019.

Councillor Kelly Greene
Vice-Chair

Stephanie Walrond
Legislative Services Coordinator

November 20th 2019

Councillor Wolfe

Resolution for Richmond City Council's Public Works and Transportation Committee

RE: Personal Micro Mobility Devices

WHEREAS, the City of Richmond's 18-month pilot program with U-bicycle for bike-sharing, is scheduled to end in March 2020 and staff will report back the outcomes and recommendations;

WHEREAS, the Province of BC will have developed a process for creating pilot projects and will be inviting community proposals in early 2020;

THEREFORE, BE IT RESOLVED that the City Council of the City of Richmond hereby directs staff to study the regulation of electric scooter sharing and parking and any related regulatory amendments that may be necessary to facilitate the introduction of dockless electric scooters sharing in Richmond (pending provincial regulatory approvals) and report back at the same time as the forthcoming March 2020 bike-sharing pilot