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Date: 1/18/2019 11:19:52 AM

Subject: Memo - Bus Reroutes for Broadway Subway Construction

Attachments: ENG - RTO - Memo to Mayor and Council - Bus Reroutes for Broadway Subway....pdf

Greetings Mayor and Council,

Please see attached a memo from Jerry Dobrovolny regarding the bus reroutes required for the construction of the Broadway Subway.

There are three bus routes that currently only use Broadway for a portion of their route between Main Street and Arbutus Street that will need to be rerouted for up to five years. The reroutes have been planned out as trolley routes, so work needs to start immediately in order for them to be ready for the construction of the Broadway Subway, which is anticipated to start in early 2020. The reroutes will effectively:

- ☐ Remove bus routes that use parts of Broadway that will be affected by the Broadway Subway construction for a portion of their route. This will improve the reliability of all bus routes.
- ☐ Minimize the use of diesel buses, resulting in reduced costs, noise, and emissions.
- ☐ Ensure that buses can continue to provide access to major destinations, including Vancouver General Hospital.
- ☐ Provide future flexibility for the trolley network.

Before construction commences notifications will be going to adjacent residents.

If you require any further information, please contact Jerry Dobrovolny, GM of Engineering Services at jerry.dobrovolny@vancouver.ca or 604.873.7331.

Best,
Sadhu

Sadhu Aufochs Johnston | City Manager

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MEMORANDUM

January 18, 2019

TO: Mayor and Council

CC: Sadhu Johnston, City Manager
Paul Mochrie, Deputy City Manager
Lynda Graves, Administration Services Manager, City Manager's Office
Rena Kendall-Craden, Civic Engagement and Communications Director
Katrina Leckovic, City Clerk
Neil Monckton, Chief of Staff, Mayor's Office
Alvin Singh, Communications Director, Mayor's Office
Anita Zaenker, Chief of Staff, Mayor's Office
Lon LaClaire, Director, Transportation
Karima Mulji, Director, Projects and Development Services

FROM: Jerry Dobrovolny, General Manager, Engineering Services

SUBJECT: Bus Reroutes for Broadway Subway Construction

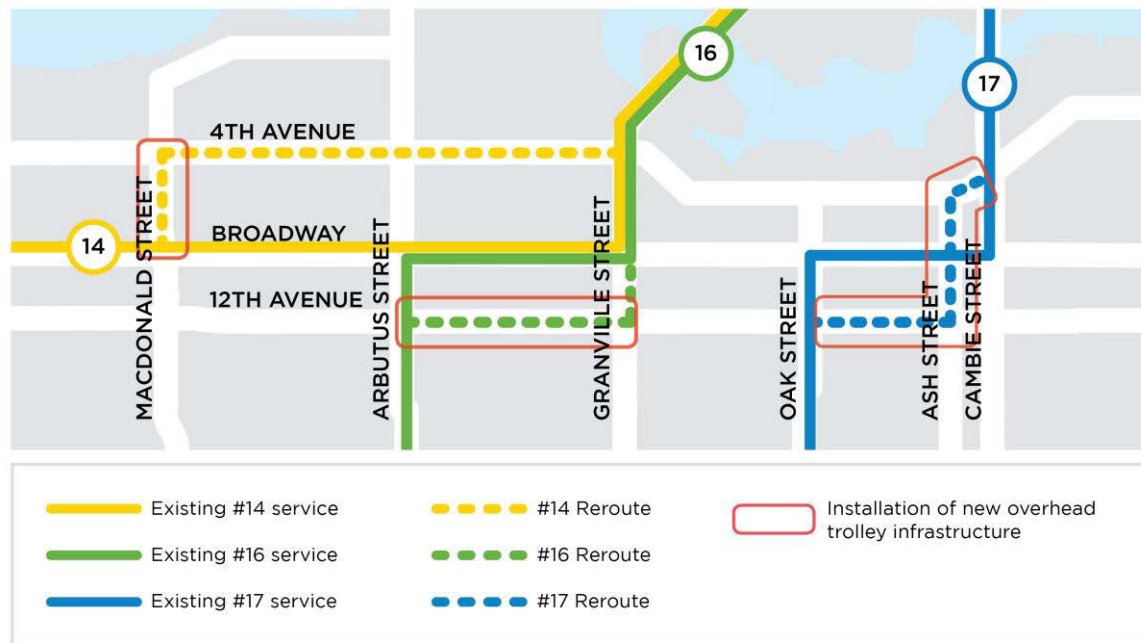
During the construction of the Broadway Subway, there will be significant construction activity in the blocks where transit stations will be located. The #9 and #99 buses will continue to operate on Broadway, but all other bus routes that currently only use Broadway for a portion of their route between Main Street and Arbutus Street will be rerouted to adjacent streets. The routes that will require changes are the #14, #16 and #17, which are all currently operating as trolley routes. These bus routes currently carry a combined total of approximately 50,000 passengers per day. City staff worked with TransLink staff to assess potential options for these reroutes. The review included looking at both technology and alignment options.

The technology review explored various battery options that were not selected due to costs of retrofitting buses and concerns over the battery life not lasting the required five year duration of the reroute.

Exploration of alignment options resulted in the proposed changes as outlined in Figure 1 below. These were the only acceptable options that provided service as close as possible to the existing routes and minimized trolley infrastructure construction.

To facilitate the rerouting of bus services, the Province will install new trolley infrastructure on MacDonald Street, Ash Street, West 6th Avenue and West 12th Avenue.

Figure 1: Bus Route Changes for Broadway Subway Construction



The new reroutes and trolley infrastructure will:

- Remove bus routes that use parts of Broadway and will be affected by Broadway Subway construction for a portion of their route. This will improve the reliability of all bus routes.
- Minimize the use of diesel buses, resulting in reduced costs, noise and emissions.
- Ensure that buses can continue to provide access to major destinations, including Vancouver General Hospital.
- Provide future flexibility for the trolley network.

These changes will come into effect starting in 2020 and continue on through 2025 when construction is anticipated to be completed. We plan on starting construction on these reroutes early this year and will be notifying residents in advance.

Towards the end of the construction of the Broadway Subway Project, consultation will take place on the final transit service plan that will be implemented after the Subway is open. Staff will report back to Council on the proposed changes and results of this public consultation.

Sincerely,

Jerry W. Dobrovolny, P.Eng., MBA
General Manager, Engineering Services

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