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To: "Direct to Mayor and Council - DL" <CCDTMACDL@vancouver.ca>

Date: 6/17/2016 4:57:49 PM

Subject: Memo to Mayor and Council RE: SW Marine Drive Traffic Management

Attachments: [ENG - TDM - SW Marine Traffic Management Memo to Council - 2016-06-16.pdf](#)

Dear Mayor and Council,

Please see the attached memo from Jerry Dobrovolny summarizing measures undertaken to minimize traffic impacts from the SW Marine Drive Closure.

The following provides a brief summary of the attached memo:

- The closure of the roadway is necessary as safe passage of traffic through the construction areas is not possible in the limited right of way. Closure is done at the nearest arterial to minimize impacts on the local streets.
- A detailed strategy was developed at the start of the project with information signs, local traffic only signage, bike and bus detour plans, VPD deployment and other measures. The plan is revisited on an ongoing basis to make changes based on public feedback and observations in the field.
- Staff connect with the VPD on a weekly basis to discuss strategies to address areas of concerns that were raised by impacted parties through in person meetings, phone conversations and email.

Should you require any additional information, please do not hesitate to contact Steve Brown, Manager of Traffic and Data Management (604.873.7393) or Jerry Dobrovolny.

Best,
Paul Mochrie

Paul Mochrie

Deputy City Manager

City of Vancouver

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ENGINEERING SERVICES
 Jerry Dobrovolny, P.Eng.
 City Engineer/General Manager

MEMORANDUM

June 17, 2016

TO: Mayor and Council

CC: Sadhu Johnston, City Manager
 Paul Mochrie, Deputy City Manager
 Janice MacKenzie, City Clerk
 Lynda Graves, Manager, Administration Services, City Manager's Office
 Rena Kendall-Craden, Director, Communications
 Mike Magee, Special Advisor, Mayor's Office
 Kevin Quinlan, Chief of Staff, Mayor's Office
 Katie Robb, Director, Communications, Mayor's Office
 Emma Lee, Director, Community Relations, Mayor's Office
 Lon LaClaire, Director of Transportation

FROM: Jerry Dobrovolny, General Manager of Engineering Services

SUBJECT: SW Marine Drive Construction and Traffic Management Measures

Please find below a summary of the measures that are being undertaken to minimise the traffic disruption during the SW Marine Drive construction currently underway. The work encompasses the infrastructure maintenance and transportation improvements outlined in the Council report in December, <http://council.vancouver.ca/20151210/documents/ptec8.pdf>. Construction is expected to extend until the Labour Day weekend in September and recommence in May 2017. This work requires that the road be closed as the size of equipment, excavations, and reductions to the travel surface prevent the ability to safely accommodate vehicles through the work area.

The closure is implemented at Granville Street in the east and extends to Camosun Street in the west. The location of the closure points were selected to minimise the impacts on the residential streets in the area. Under normal operations Marine Drive is a truck route, a bus route and carries over 25,000 vehicles per day. Closing the roadway at the nearest arterial allows for the trucks and other traffic to be redirected so that the only option is continued travel on other arterial streets. The major closure points are supported by VPD Traffic Authority who redirect commercial truck traffic to alternate truck routes, provide simple direction to captured drivers, and screening of destinations to prevent shortcutting through local residential streets.

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In addition to closing the street at the arterials there are a number of other measures that are being undertaken to minimise the traffic impacts of construction. These include:

- Changeable Message Boards have been implemented on 9 arterials and inbound bridges to communicate closure location and duration;
- Static message signs have been implemented to communicate closure location and duration as well as the temporary inability to access UBC via SW Marine Drive;
- VPD Traffic Authority are stationed at Granville & 70th, Angus & SW Marine, 57th & SW Marine, 49th & West Boulevard, 49th & SW Marine, and Blenheim & SW Marine;
- VPD are using placards to help screen local residents, business patrons, and construction traffic including access to and from the Musqueam lands. The placards were distributed in the notification mail-out and are also available at many of the golf courses and the Musqueam Band office;
- Detour route for the #49 bus route to retain transit service area as best as possible;
- Temporary parking and bus stop modifications to support bus reroute and minimise impacts to traffic movements;
- Temporary dedicated bus lanes on 41st Avenue to reduce delays to major transit routes
- Traffic Control Persons in the construction areas to help redirect vehicles who have made it through the other closure points and maintain traffic management equipment throughout the closure and on approaches;
- Bike route detours to preserve bikeway route connections when roads are impassable;
- Signs that state “Local traffic only, resident, business, and golf course access only” on arterial or collectors that provide access across SW Marine Drive;
- Local traffic only signage on some local streets to mitigate shortcutting;
- Staff have connected with members of the parent advisory committees and Principals of several schools in the area including Maple Grove Elementary and Magee Secondary to discuss safety concerns and identify enforcement priorities.

The challenge in this project is that there are multiple competing areas where changes to satisfy one will affect the other. The key areas where we are receiving complaints and develop strategies to address in weekly coordination meetings with the VPD include;

1. Shortcutting and speeding in neighbourhoods
2. Access for residents
3. Access for businesses and golf courses
4. Long travel times for commuting traffic
5. Delays to transit routes on 41st
6. Trucks on bicycle and school routes

City construction crews are working to complete the utility work north west of SW Marine Drive and 49th Ave as soon as possible. If work proceeds as planned, SW Marine should be able to be opened west of 49th Avenue in late July or early August. This will allow traffic to return to 49th Avenue including the 49 bus route which will help to greatly reduce the traffic impacts experienced on 41st Avenue.

Please contact Steve Brown, Manager of Traffic and Data Management at 604.873.7393 or steve.brown@vancouver.ca if you have any questions or require more information.



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