

From: ["Mochrie, Paul" <Paul.Mochrie@vancouver.ca>](mailto:Paul.Mochrie@vancouver.ca)

To: ["Direct to Mayor and Council - DL"](#)

Date: 8/11/2021 8:11:35 AM

Subject: [Memo - Cambie Bridge Early Works](#)

Attachments: [ENG - PDM - Memo - Cambie Bridge Early Works.pdf](#)

Dear Mayor and Council,

Please see the attached memo from Lon LaClaire. A short summary of the memo is as follows:

- The City is planning a complete seismic retrofit and rehabilitation of the Bridge – a complex program that would be carried out over multiple capital plans ensuring the Bridge continues to offer a safe means of transportation for the public.
- In late August, the City will begin the first phase of the multi-phase Cambie Bridge Seismic Retrofit and Rehabilitation Program, making critical structural infrastructure upgrades to the aging Cambie Bridge.
- Works of this first phase include bridge deck rehabilitation, deck joint seal and concrete repairs, south pedestrian staircase repairs, and seismic upgrades under the south side of the bridge
- Traffic impacts, reduced vehicle speeds and pedestrian and cycling detours can be expected while work is underway on the bridge deck from late August to December 2021.
- The project team has also advised residents that there are additional traffic impacts in the area related to the ongoing Broadway Subway Project, which is being led by the Province.
- Remaining works for this phase, located under the bridge is anticipated to start late-August and by complete by end of April 2022.

If you have any questions, please feel free to contact Lon LaClaire at 604-873-7336 or lon.laclaire@vancouver.ca.

Best,
Paul

Paul Mochrie (he/him)
City Manager
City of Vancouver
paul.mochrie@vancouver.ca



The City of Vancouver acknowledges that it is situated on the unceded traditional territories of the xʷməθkʷəy̓əm (Musqueam), Skwxwú7mesh (Squamish), and səlilwətał (Tsleil-Waututh) Nations.

CONFIDENTIAL

MEMORANDUM

August 10, 2021

TO: Mayor and Council

CC: Paul Mochrie, City Manager
Karen Levitt, Deputy City Manager
Katrina Leckovic, City Clerk
Lynda Graves, Administration Services Manager, City Manager's Office
Maria Pontikis, Director, Civic Engagement and Communications
Anita Zaenker, Chief of Staff, Mayor's Office
Neil Monckton, Chief of Staff, Mayor's Office
Alvin Singh, Communications Director, Mayor's Office

FROM: Lon LaClaire
General Manager, Engineering Services

SUBJECT: Cambie Bridge Early Works

RTS #: N/A

In late August, the City will begin making critical structural infrastructure upgrades to the Cambie Bridge. This will be the first phase of the multi-phase Cambie Bridge Seismic Retrofit and Rehabilitation Program. These works include critical infrastructure rehabilitation and seismic upgrades to some of the bridge's structural elements.

Introduction

Built in 1985, the Cambie Street Bridge was constructed before the introduction of earthquake provisions in the Canadian Highway Bridge Design Code. The seismic detailing requirements of the current Canadian Highway Bridge Design Code (CAN-CSA-S6-14) are significantly more stringent and comprehensive than the requirements used for the original design.

In 2013, the City engaged an external consultant to evaluate the existing seismic performance of the Bridge. The evaluation concluded that the Bridge is seismically deficient. In 2018, the City engaged an external consultant to begin the Seismic Upgrade Design Program for the Bridge. As part of this work, the external consultant also identified a number of structural deficiencies and aging structural elements for the 36-year-old bridge.

Based on the above, and with the support of the external consultant, the City is planning a complete seismic retrofit and rehabilitation of the Bridge – a complex program that would be carried out over multiple capital plans ensuring the Bridge continues to offer a safe means of transportation for the public.

Upcoming work includes (see Figure 1):

- Bridge deck rehabilitation
- Deck joint seal and concrete repairs
- South pedestrian staircase repairs
- Seismic upgrades under the south side of the bridge

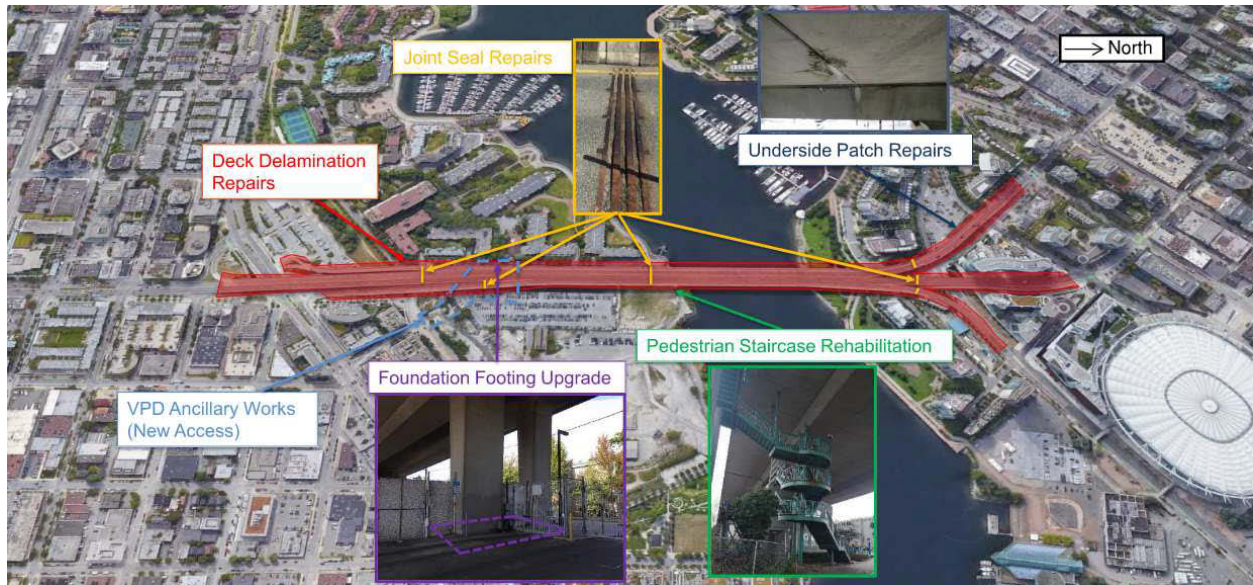


Figure 1: Project Scope and Location

Pre-Construction Works and the VPD Lot

As the seismic upgrades to the south footing, located adjacent to the Vancouver Police Department's (VPD) fleet lot, will render one of VPD's secured gates to be inaccessible during construction, a new secured access point will be constructed for the VPD lot. While all work related to this part of the project will be performed on City property, it will have low visibility and impact to the public. This work is anticipated to start in late-August and be completed by end of April 2022.

Traffic Management

Traffic impacts, reduced vehicle speeds and pedestrian and cycling detours can be expected while work is underway on the bridge deck from late August to December 2021. During construction, drivers can expect delays and are encouraged to seek alternative routes to Cambie Bridge when possible. Generally, two lanes in each direction on the bridge will be retained with occasional closures of the on and off ramps. When work on the surface of the bridge is complete, all lanes of traffic will reopen.

Traffic management will be modified as needed for special events on the bridge, such as marathons/runs, parades and other special events that require more space on the bridge.

The project team has also advised residents that there are additional traffic impacts in the area related to the ongoing Broadway Subway Project, which is being led by the Province.

Noise Management and Work Hours

Cambie Bridge is located within medium to high density areas and within False Creek, which provides ease for sound to carry for longer distances. The construction noise during deck rehabilitation work may disrupt some residents, as concrete saws and jack hammers will be used to complete the work.

Construction will occur Monday through Saturday, from 7AM to 5PM, within the City's Noise Bylaw. During some rare exceptions, work may take place in the evening and on Sundays in order to avoid full closures to the False Creek Seawall during the daytime.

Communications & Stakeholder Engagement

Staff have developed a communication plan to address potential concerns from nearby residents and commuters that use Cambie Bridge. Public awareness of the project includes project signage, e-newsletters, notification letters, social media and a project webpage with construction updates and stakeholder resources. Communications to commuters will be available on or near the site through CMS boards for vehicles and detour signage for cyclists and pedestrians. Traffic impacts will also be amplified through weekly traffic advisories and targeted social media.

The Project Delivery Branch will coordinate overall communication for the project. Community Liaison Officer, Emma Mendoza (emma.mendoza@vancouver.ca), will provide day-to-day support to area businesses and residents.

Additional information can be found at the project website: vancouver.ca/cambie_upgrades

If you have any questions or would like more information on this project, please contact me directly.



Lon LaClaire, M.Eng., P.Eng.
General Manager, Engineering Services
604.873.7336 | lon.laclaire@vancouver.ca