

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

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

Date: 11/1/2024 2:46:07 PM

Subject: ENG - Memo - Grandview Viaduct Rehabilitation Project - Phase 1

Attachments: ENG - Memo - Grandview Viaduct Rehabilitation Project Phase 1.pdf

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Dear Mayor and Council,

Please see the attached Council Memo from Lon LaClaire regarding Grandview Viaduct Rehabilitation Project - Phase 1. A short summary of the memo is as follows:

- The Grandview Viaduct, an 85-year-old bridge on East 1<sup>st</sup> Avenue, just west of Clark Drive, is in need of high priority structural rehabilitation work.
- Pre-work will begin in early November, followed by deck replacement and lane closures in late November. The Viaduct's capacity will be reduced by 50% for seven months, with four lanes reduced to two.
- The public has been, and will continue to be, well informed about the impacts. Key strategies include notification letters to nearby residents, traffic advisories shared with media, and CMS boards to guide and divert traffic away from the construction zone.

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

Best,  
Paul

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



The City of Vancouver acknowledges that it is situated on the unceded traditional territories of the x̱m̱ ḵ y̱ m̱ (Musqueam), S̱ wxw̱ú7mesh (Squamish), and s̱ lilw̱ ta̱ (Tsleil-Waututh) Nations.



ENGINEERING SERVICES  
Lon LaClaire, M.Eng., P.Eng.  
City Engineer/General Manager

## MEMORANDUM

October 31, 2024

TO: Mayor and Council

CC: Paul Mochrie, City Manager  
Armin Amrolia, Deputy City Manager  
Karen Levitt, Deputy City Manager  
Sandra Singh, Deputy City Manager  
Katrina Leckovic, City Clerk  
Maria Pontikis, Chief Communications Officer, CEC  
Teresa Jong, Administration Services Manager, City Manager's Office  
Mellisa Morphy, Director of Policy, Mayor's Office  
Trevor Ford, Chief of Staff, Mayor's Office

FROM: Lon LaClaire  
General Manager, Engineering Services

SUBJECT: Grandview Viaduct Rehabilitation Project: Phase 1

RTS #: N/A

Rehabilitation work on the Grandview Viaduct (the "Viaduct") section of East 1<sup>st</sup> Avenue will soon be starting. The contractor, Coquitlam Ridge Constructors, will mobilize in late October 2024 with lane closures on the Viaduct deck beginning in late November 2024. Construction is expected to be completed by August 2025.

Grandview Viaduct Rehabilitation Project: Phase 1 (the "Project") will include localized joint repairs and deck repairs, as well as localized bearing replacements underneath the deck. **Appendix A** shows the project location and extents.

### Background

The Viaduct, built in 1938, is a four-lane structure that connects Clark Drive and Terminal Avenue along East 1<sup>st</sup> Avenue, spanning Glen Drive, Vernon Drive, and seven active rail tracks operated by Canadian National (CN) Railway Company. Regular structural repairs are planned for this aging viaduct so it may continue to serve the public. The last structural rehabilitation work was completed in 2020. Due to limited budget, the focus of the Project is to repair some of the higher priority areas to ensure public safety and to extend the service life of the Viaduct. The second, more substantial phase of this work is planned for the next capital plan.

## Construction

The overall project duration is approximately 9 months. Work will generally take place Monday to Friday from 7 am – 3 pm, with some extended hours and weekend work as needed. Efforts will be made to minimize the impacts of construction, however some noise and dust are expected due to the nature of deck demolition and concrete repairs. A noise management plan will be in place when construction begins to monitor and mitigate noise to ensure compliance with the City's Noise Control Bylaws.

## CN Rail

CN have been engaged early on during the project planning phase, clarifying scope, impacts, and safety procedures. Phase 1 of the project will focus on sections of the deck that do not span over the CN rail lines. However, the bearing work underneath the Viaduct will be in close proximity to the rail. The contractor is responsible for CN coordination during construction and they are aware and equipped for this obligation.

## Traffic Impacts

The Project will have impacts on traffic to the following areas:

- Lane closures on the Viaduct (East 1<sup>st</sup> Avenue), with one lane maintained in each direction for seven months;
- Temporary, short duration lane closures on Glen Drive and Vernon Drive, underneath the Viaduct.

This section of East 1<sup>st</sup> Avenue is a busy arterial and a truck route. To mitigate traffic impacts, vehicles will be diverted before it reaches the work zone. CMS boards and project signage will be in place at multiple locations upstream of the work zone, a week prior to any lane closures on the Viaduct. The traffic setup will be closely monitored to ensure that the public can safely navigate around the construction site. The project team have also coordinated with other nearby City projects to ensure that parallel east-west arterials minimize coinciding travel lane impacts.

## Public communication

Consistent with City's protocol for major construction projects, local residents and businesses have been notified of this work via letter. A project webpage ([vancouver.ca/grandview-viaduct](http://vancouver.ca/grandview-viaduct)) and email has also been set up to support public communications. This is supported by a communications plan, which includes on-site signage, sharing traffic advisory information with the media and public, and posting updates on the project webpage.

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](mailto:lon.laclaire@vancouver.ca)

### Appendix A: Project Locations and Extents



Figure 1 – Project Extents