



PORT of
vancouver

Vancouver Fraser
Port Authority

Commissioner Street Road and Rail Realignment Project Update

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Canada

Commissioner Street Road and Rail Realignment Project

Vancouver Fraser Port Authority

We are leading the following road improvements:



- Removal of the old Columbia Containers grain elevator (completed in early 2020)
- Changes to Commissioner Street near Columbia Containers, includes shifting the road north, paving and adding a new lane
- Construction of a retaining wall
- Relocation of the impacted utilities including Metro Vancouver's Harbour East Interceptor

Canadian Pacific (CP)

CP is leading the following rail improvements:



- Installation of additional rail tracks next to current tracks, from four tracks to six tracks (subject to Project and Environmental Review)

Project location map



Project benefits

- Improves port truck movements and traffic flows
- Improves access to terminal facilities for commercial traffic
- Enables safe and efficient access to port lands for employees, first responders, and service providers
- Provides land for rail track expansion, supporting trade growth and increased local and national jobs
- Expands rail capacity by reconfiguring existing tracks and providing new track sidings

Road realignment overview

Existing condition: Available lanes at pinch-point: one westbound, one eastbound



Future condition: Available lanes: two westbound, one eastbound



Overview of construction activity

Construction of the project started in February 2021 and is expected to be substantially completed by late 2021. Major activities include:

- Construction of retaining walls within Western Canada Marine Response Corporation and Columbia Containers facilities
- Realignment and widening of Commissioner Street near Columbia Containers
- BC Hydro power distribution relocation and upgrade including overhead lines along Columbia Containers facility
- Water, sewer, and storm piping relocations and upgrades
- Large diameter Metro Vancouver sewer pipe relocation and upgrades
- Security cameras and lighting poles relocation and upgrade
- Continue with the landscaping scheme along the proposed pedestrian walkway north of the road

Construction of the CP's rail expansion works (Commissioner Street Rail Expansion Project) is expected to start in early 2022 and is anticipated to be completed by late 2023. Subject to Project and Environmental Review.

Project challenges

- The project corridor is narrow and complex, which means construction in this area presents a number of challenges
- Construction will heavily impact traffic for port road users
- Construction will conflict with construction underway for Centerm Expansion Project and South Shore Access Project
- To address these challenges, the project team is seeking alternative options for the construction schedule including working during extended hours and on Sundays

Extended work hours application

Project permit amendment rationale

An amendment to our construction permit has been requested, and the request is currently undergoing the port authority's Project and Environmental Review (PER) process.

Why an amendment is needed?

- Construction is in the same area as construction activities for the Centerm Expansion Project and South Shore Access Project
- The area is narrow and complex, presenting a number of challenges for construction and users of port roads
- To address these challenges, the project construction team needs to be able to work during extended hours and on Sundays

Construction schedule

- Three types of work planned for stages 1 and 2:
 - **General construction**
 - Between Columbia Containers and Western Canada Marine Response Corporation
 - **Low impact construction** during the night
 - Near Columbia Containers central gate and at Western Canada Marine Response Corporation
 - **High impact construction** during the day
 - Near Columbia Containers central gate and at Western Canada Marine Response Corporation

Area of work



Detailed schedule

TYPE OF WORK	START AND END DATE (2021)	HOURS OF WORK
	Monday, April 12 – Sunday, April 18	7:00 a.m. – 8:00 p.m.
	Monday, April 19 – Friday, April 23	6:00 a.m. – 10:00 p.m. 10:00 p.m. – 6:00 a.m.
	Saturday, April 24 – Sunday, April 25	7:00 a.m. – 8:00 p.m.
	Monday, April 26 – Sunday, May 2	7:00 a.m. – 8:00 p.m.
	Monday, May 3 – Friday, May 7	6:00 a.m. – 10:00 p.m. 10:00 p.m. – 6:00 a.m.
	Saturday, May 8 – Sunday, May 9	7:00 a.m. – 8:00 p.m.
	Monday, May 10 – Sunday, May 16	7:00 a.m. – 8:00 p.m.
	Monday, May 17 – Friday, May 21	6:00 a.m. – 10:00 p.m. 10:00 p.m. – 6:00 a.m.

Detailed schedule continued

TYPE OF WORK	START AND END DATE (2021)	HOURS OF WORK
	Saturday, May 22 – Sunday, May 23	7:00 a.m. – 8:00 p.m.
	Monday, May 24 – Sunday, May 30	7:00 a.m. – 8:00 p.m.
 	Monday, May 31 – Friday, June 4	6:00 a.m. – 10:00 p.m. 10:00 p.m. – 6:00 a.m.
	Saturday, June 5 – Sunday, June 6	7:00 a.m. – 8:00 p.m.
	Monday, June 7 – Sunday, June 13	7:00 a.m. – 8:00 p.m.
 	Monday, June 14 – Friday, June 18	6:00 a.m. – 10:00 p.m. 10:00 p.m. – 6:00 a.m.
	Saturday, June 19 – Sunday, June 20	7:00 a.m. – 8:00 p.m.
	Monday, June 21 – Sunday, June 27	7:00 a.m. – 8:00 p.m.

Type of construction works

General construction work

- Traffic pattern changes and traffic controls
- Survey works
- Clearing, grubbing and top soil stripping
- Excavation, trenching, backfilling of road and utility trenches
- Material delivery, stockpiling, loading, and dumping
- Pipe and conduit placement, bedding, forge welding of high-density polyethylene, testing and commissioning of utilities
- Demolition of concrete structures and abandoned rail tracks
- Construction of concrete structures including retaining walls, manholes, and catch basins
- Excavation and trench shoring, formworks, rebar, and concrete placement
- Material placement for roadbed and compacting
- Soil densification system called rammed aggregate pier installation
- Aboveground and underground power distribution installation by BC Hydro

Type of construction works continued

High impact during the day construction work

- Excavation and backfill
- HydroVac use for excavation
- Saw cutting
- Soil improvement system called rammed aggregate pier

Low impact during the night construction work

- Pipe laying
- Infill of abandoned pipes
- Bypass pumping
- Forming
- Steel rebar placement
- Shoring
- Concrete pours
- High-density polyethylene lining of pipe

Mitigation measures

Mitigation measures will be put in place, including noise and light mitigation, to minimize impacts of construction on the community.

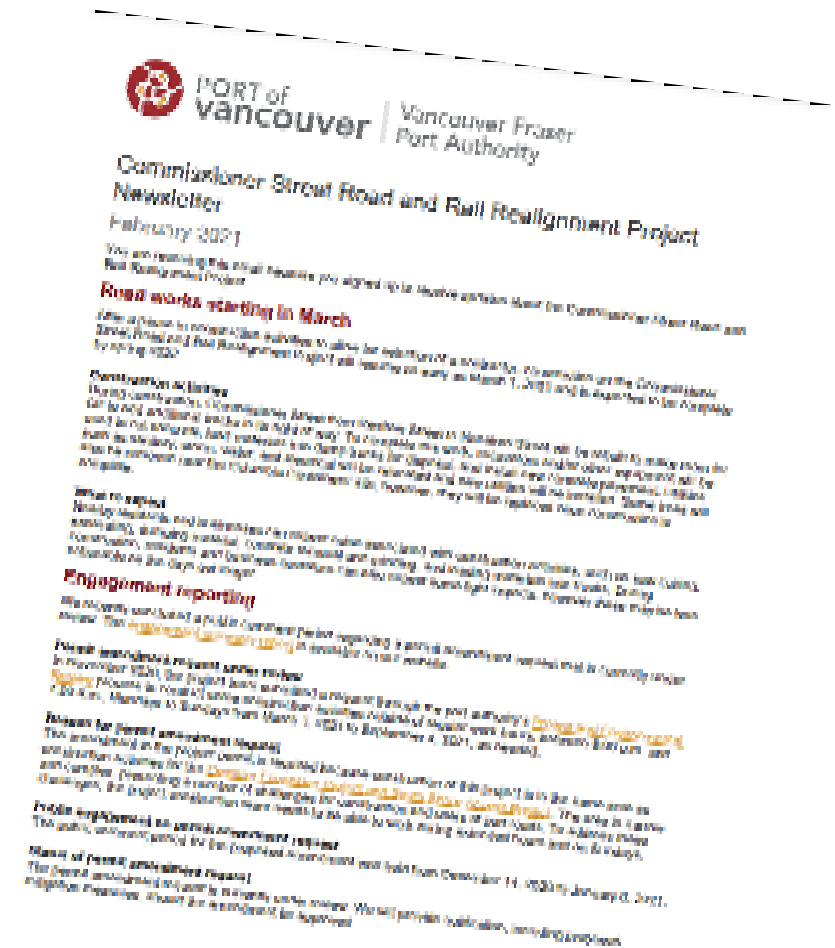
These include:

- Shrouding implemented to stationary equipment
- Noisy activities such as excavation using a vacuum truck (HydroVac) to be done in the early hours of night shift (5:00 p.m. to 8:00 p.m.)
- Lights on construction site to face away from residences
- Contractor to use silent pumps during the bypass pumping for Metro Vancouver sanitary sewer relocation activities
- Noticeable noise (such as white noise back-up beepers on equipment) will be well within 70 dB as per WorkSafeBC construction guidelines
- Night-shift works will generally include low impact activities such as pipe laying, formworks and rebar placement, concrete pours, and backfilling
- Noise monitoring station will be utilized to monitor noise along the road

Input gathered

Feedback received has been used to:

- Develop a new project-specific newsletter
- Work with the project team and the contractor to ensure that no high impact activities take place at night
- Create new process to field noise related inquiries and complaints



Noise-related inquiries and complaints process

- Send inquiries and complaints to project email account (csrr@portvancouver.com), including noise complaints related to the project
- The project email will be monitored between 7:30 a.m. and 3:30 p.m. Monday to Friday
- To effectively monitor and respond to complaints, submit the following information:
 - Date and time of noise
 - Description of noisy activity
 - If this noise is new or has been heard since the start of construction on the project
 - Location of the source of the noise or where it is being heard from

Noise-related inquiries and complaints process continued

- The project team will:
 - Review records of noise monitors and construction activities to identify the source of the noise
 - Work with the contractor to mitigate the impact of the activity from noise perspective or postpone the activity to daytime
 - Respond to the inquiry

Port of Vancouver noise monitoring program

- Our noise monitoring program helps us better understand the source and intensity of port-related noises and respond to community concerns
- Noise monitoring station closest to the project site is at Renfrew Street
- Learn more about our noise monitoring online
 - https://seti-media.com/infopopulation/port_vancouver/

Notification plan

- Advance notification letters underway
- Notification will also be provided:
 - Community groups: South Shore Community Liaison Committee and East Vancouver Port Liaison committee (by email)
 - Project website
 - Newsletter update
- We encourage you to sign up to our project newsletter to receive project updates (link is on the project page on our website)

Thank you for your patience while we
complete this important work

Vancouver Fraser Port Authority | Community Feedback
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