



## Centerm Expansion Project Newsletter

January 2022

You are receiving this email because you signed up to receive updates about the Centerm Expansion Project and South Shore Access Project.

### What to expect this month

This month, work on the terminal and on the south shore continues.



*Pictured: View of the Centerm Container Terminal from the sky*

### Road work – Where to enter the port this month

#### Commissioner Street entrance

- Open to Port Pass holders driving passenger vehicles
- Primary access for all commercial trucks (including non-Port Pass holders)

#### Clark Drive overpass

- **Only entrance for visitors** driving passenger vehicles without Port Passes
- Open to Port Pass holders with commercial straight trucks (**five-tons maximum**)
- Open to Port Pass holders driving passenger vehicles
- **Closed to semi-trailer, container and dump trucks**

## Heatley Avenue overpass – Permanently closed to vehicle traffic

- Heatley Avenue overpass is only accessible to pedestrians and cyclists with a valid Port Pass (entering and exiting port lands) until February 2022 at the latest, and could be closed at any time. Advance notice will be given to pedestrians and cyclists. Access will then be through the Clark Drive overpass

### To exit the port:

- All vehicle traffic west of Rogers Street – port authority maintenance, CXP, DP World (including container, commercial, semi-trailer and dump trucks) **must use the new Centennial Road overpass**
- All vehicle traffic east of Rogers Street – Rogers Sugar/Lantic, Alliance Grain Terminal (AGT) and Vanterm (including container, commercial, semi-trailer and dump trucks) **must use the Low Road, south lane underneath the new Centennial Road overpass** exiting at either Clark Drive or Commissioner Street

## Centennial Road overpass

- Port road users can expect intermittent staged alternating lane closures during working hours on the overpass
- The overpass will remain open during construction to allow access to Centerm Terminal
- Signage and flaggers are in place to minimize delays and direct traffic, and pedestrians will continue to have access

## Download the PortVan eHub app

Download the [PortVan eHub app](#) to keep up to date on port roadway detours and road closures.

## Project progress update

### Waterfront Road construction update

Construction on the eastern end of Waterfront Road continues with the installation of electrical and communications duct banks and vaults between the Main Street overpass and Dunlevy Avenue.

### On-the-terminal work – Western expansion area update

Work is progressing well at the western end of the terminal. DPW has almost completed the commissioning of the quay cranes and rail-mounted gantry cranes, and these should be operational in the coming weeks.

We anticipate completing construction in the Western expansion area in the next few months.

## 2021: A year in review

Looking back on 2021, we accomplished so much on the Centerm Expansion Project and South Shore Access Project. Despite managing project complexities and navigating the challenges presented by the pandemic, the project team made important progress on construction throughout the year, successfully reaching several key project milestones.

We completed the construction of the Centennial Road overpass, installed seven new, state-of-the-art cranes at the terminal, and began demolition of the Heatley Avenue overpass – just to name a few, all while maintaining terminal operations, and ensuring traffic flow to port tenants and businesses.

For more details, have a look at the [infographic](#) that highlights some of the achievements on the project in 2021.


Vancouver Fraser Port Authority
Looking back on 2021: Centerm Expansion Project and South Shore Access Project

### About the project

The Centerm Expansion Project and South Shore Access Project is a series of improvements to the Centerm container terminal and associated roadways to help meet anticipated near-term demand for container trade through the Port of Vancouver, and reduce travel delays.

Construction for the Centerm Expansion Project and South Shore Access Project began in July 2019 and its substantial completion expected by the end of 2022.

When complete, the terminal footprint would have been increased by 15% through the reconfiguration of the terminal. This will allow for DP World to achieve a 60% increase in throughput capacity.

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#### 2021 Milestones

- 📅 Jan. Completion of the Ballantyne Pier demolition
- 📅 Jan. Start of the rail work for the new rail-mounted gantry cranes
- 📅 Feb. Delivery of some of the new refrigerated container towers to DP World.
- 📅 June Preparation complete for the delivery and installation of five rail-mounted gantry cranes purchased by DP World from Shanghai, China.
- 📅 July Opening of the Centennial Road overpass.
- 📅 Aug. New container operations facility ready for start of interior fit-out by DP World.
- 📅 Aug. Completion of the last phase of the Maplewood Marine Restoration Project (eelgrass transplanting activity).
- 📅 Sept. Preparation complete for the delivery and installation of two quay cranes purchased by DP World from Shanghai, China.
- 📅 Dec. Completion of the new truck gate infrastructure on terminal

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#### Wins



**Major project components delivered**  
during pandemic



**Expanding a very busy terminal**  
during operations



**~ 22,520 m3 of concrete**  
recycled from demolition of the Ballantyne Pier



**Delivery and installation of seven cranes**  
specialized marine terminal equipment

### Improvements

#### Cranes

**Overview**  
Two new quay cranes and five new rail-mounted gantry cranes purchased by DP World were installed at the terminal. The quay cranes, used for offloading container ships, replace two older quay cranes and will operate over the full length of the berth, including in the western expansion area. The rail-mounted gantry cranes are used to load containers on to trucks and rail cars within the terminal, including in the western expansion area.

**Key facts**

<b>Rail-mounted gantry cranes</b>	27.8 metres high from top of the rail to the highest point	12.4 metres lift height for containers
	27.1 metres of span across five rows of containers	1.6 kilometres of rail installation
5 rail tracks between crane legs, and one road lane for trucks	~2,000 m <sup>3</sup> of concrete poured for the rail-mounted gantry crane foundation	

**Quay cranes**

	124 metres high	47 metres lift height for containers
100% state-of-the-art equipment and control systems	23 containers wide load reach of these super post-Panamax cranes	

#### Centennial Road overpass

**Overview**  
In 2021, we completed the Centennial Road overpass, marking one of our biggest accomplishments of the year. Following 23 months of planning and construction, the new overpass eliminates road and rail conflicts and improves container truck movements and traffic flow, thereby reducing delays caused by trucks idling at train crossings.

**Challenges**

- A narrow construction corridor, with high volumes of road and rail traffic
- Relocating utilities
- Creatively staging port traffic to enable construction and ensure traffic flow
- Collaborating with numerous stakeholders.
- Record level of container throughput on terminal.

**Key facts**

<b>Overpass</b>		14 piers	585 metres long
		30 workers/day on average	70 workers/day at peak construction
		215,000 hours of construction time	58 precast girders 27 to 42.5 metres long and weighing ~60,000 to 80,000 kilograms

#### Community

##### Community engagement and communication

We kept the community informed by sharing:

- ✉️ 12 newsletters distributed to over 500 subscribers
- 📻 2 radio ads in English and Punjabi
- 📺 9 YouTube videos
- 📧 145 notification letters sent to the public, port tenants, and other stakeholders
- 📱 42 social media posts
  - 17 Twitter posts (English and French channels)
  - 16 Facebook posts (English and French channels)
  - Nine LinkedIn posts

##### Centerm Community Fund

- 💰 \$135,000 donated to 12 local organizations that promote community initiatives in East Vancouver.
- 💰 \$500,000 distributed since the creation of the fund in 2010, to support 42 organizations in this community.

##### Maplewood Marine Restoration Project

- 📅 Completion of the last phase which included eelgrass transplant work on the North Shore of Burnard Inlet.
- 🌿 125,000 eelgrass shoots transplanted by divers, as part of the last phase, to create a 1.5-hectare eelgrass bed in Burnard Inlet. This work was completed in collaboration with Tahli-Waathu Nation.

"Looking back, I am extremely proud of the many accomplishments achieved through the collaboration between DP World, the design-builder, the port authority's team, and the 300 people who have shown a commitment and dedication to excellence. I invite all who participated in delivering this project to share in that pride, particularly amidst the second year of the pandemic. Our resilience and collaboration will continue to serve us as we prepare for the year ahead."

— Gilles Assier  
 Director, Container Terminal Construction  
 Vancouver Fraser Port Authority

\* Click on image or link in the article for larger version of the infographic.

## Extended work hours request under review

In December 2021, the project submitted a request to extend the work hours to allow for land-based demolition and activities associated with the removal of the Heatley Avenue overpass.

We plan to undertake the demolition work during standard work hours (Monday to Saturday, 7:00 a.m. to 8:00 p.m.), however this extended work hours request is required to accommodate possible requests from the railways in order to work around their schedule (including the Westcoast Express).

The port authority's [Project and Environmental Review \(PER\) process](#) is currently reviewing the request to extend the work hours. As part of this process, a notice will be posted on the Impact Assessment Agency (IAA) website and a 30-day public comment period will be held. We will share more details on how the public can provide feedback in the coming weeks.

## Photo gallery



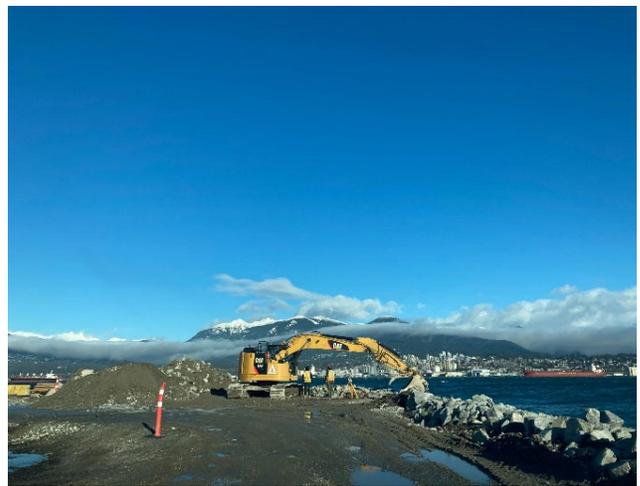
*Pictured: New truck gates on the terminal*



*Pictured: View of the new canopy installed at the entrance of the container operations facility*



*Pictured: Construction on Waterfront Road*



*Pictured: Excavating for foundation work in the eastern expansion area*

## About the projects

The port authority is building the Centerm Expansion Project and South Shore Access Project to help meet anticipated near-term demand for containers shipped through the Port of Vancouver. The projects include a new overpass for Centennial Road, making Waterfront Road a continuous road along the south shore of the harbour, and a reconfiguration and expansion of the Centerm terminal.

CXP is completing the construction work on these projects.



*Centerm: Current view*



*Centerm: Rendering of view following construction completion*

## Contact us

If you're not already on our distribution list, we encourage you to sign up to receive regular updates on these projects. You can subscribe [here](#).

Website: [portvancouver.com/centerm-expansion](http://portvancouver.com/centerm-expansion)

For enquiries related to construction, contact CXP at 604.910.5785 or [zstrand@cxp-jv.com](mailto:zstrand@cxp-jv.com).

For enquiries related to the projects, contact the port authority at 604.665.9563 or [centerm.expansion@portvancouver.com](mailto:centerm.expansion@portvancouver.com).