

# Deltaport Terminal Road and Rail Improvement Project

## Phase 2: GCT Deltaport Intermodal Yard Reconfiguration

### Project Overview

GCT Canada is planning to expand the existing Deltaport Intermodal Yard (Deltaport IY) to meet projected rail capacity requirements. Our rail yard expansion is the second stage of the multi-phased expansion called Deltaport Terminal Road and Rail Improvement Project (DTRRIP), a collaboration with Port Metro Vancouver and the Province of BC.

Our densification approach to the Intermodal Yard Reconfiguration reflects our company's priority to increase capacity with little to no impact on the environment and community. The project will be completed within our existing footprint, without the need for additional land creation to meet rail traffic demand through the Pacific Gateway.

### Economic Impact & Growth

The existing Intermodal Yard is nearing capacity, limiting economic growth in the region. Economic benefits arising from DTRRIP include:

- \$500 million in GDP and \$900 million in economic output to British Columbia and Canada<sup>1</sup>
- 5,000 and 5,500 new direct and indirect jobs<sup>1</sup>
- 55% increase in rail yard capacity at GCT Deltaport
- 25% increase in overall capacity at GCT Deltaport

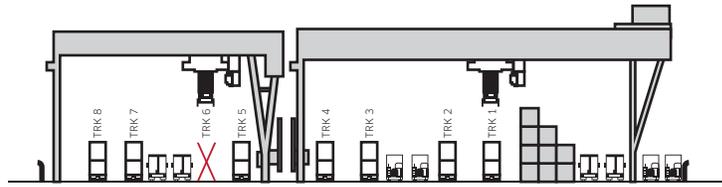
### Intermodal Yard Reconfiguration Design Features

Since the environmental assessment for the project was initially reviewed and approved, GCT Canada has proposed improvements to the original plan that would improve sustainability, increase capacity, and gain efficiency within the same footprint.

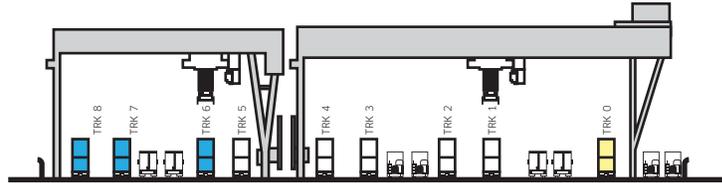
	ORIGINAL DESIGN	RECONFIGURED DESIGN
<b>RAIL TRACK CHANGES</b>	5 tracks realigned 2 new tracks added	Rearrangement of the existing 2 sets of 4 tracks into a single set of 8 tracks
<b>CONTAINER HANDLING EQUIPMENT CHANGES</b>	Add 4 electric rail cranes  Add mobile container handling equipment in the container yard	Rearrangement of the existing 2 sets of 4 tracks into a single set of 8 tracks  Replace 7 existing electric rail cranes with 8 new, modernized, electric rail cranes  Add mobile container handling equipment in the container yard  Replace lights with energy-efficient LED fixtures to reduce glare and alias light  Add a new rail maintenance building

<sup>1</sup>Source: Port Metro Vancouver

### Existing Layout



### Original Intermodal Yard Project



### Intermodal Yard Reconfiguration Project

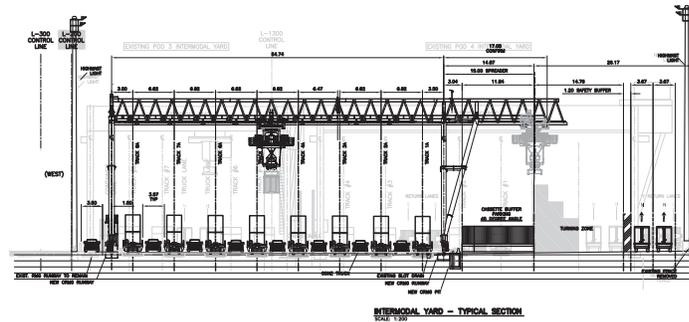


Figure 1: Profile view of the existing, original proposed design, and revised proposed reconfiguration to the GCT Deltaport Intermodal Yard.

### Project Benefits

The proposed GCT Deltaport Intermodal Yard Reconfiguration optimizes the layout, providing significant operational benefits to our stakeholders, including:

- Increased rail capacity enabling sustainable intermodal cargo growth
- Decreased noise and greenhouse gas emissions with the introduction of modernized electric rail cranes
- Reduced light aliasing as a result of the new energy-efficient LED lights
- Decreased emissions due to reduced equipment travel time
- Improved safety stemming from upgraded equipment as well as the elimination of manual inspections, repairs, and container exchanges from the working track area
- Improved operational performance and management of workflow in the GCT Deltaport IY:
  - Enables 24-hour rail car switching to GCT Deltaport IY tracks
  - Reduces waiting times for rail crane operators and tractor drivers
  - Increases efficiency as loaded containers trolley over a moving track and container work continues uninterrupted adjacent to a moving track

### Rail Maintenance Building

The GCT Deltaport Intermodal Yard Reconfiguration includes a new 3,930-square metre (42,300-square foot) Rail Maintenance Building that will provide the workshop space needed to maintain the new, state-of-the-art, container handling equipment. Located at the west side of Pod 3, where the containers are presently stacked, the building will be 14.6 metres (48 feet) tall – the same height as the current stacked containers.

### Project Schedule

The anticipated schedule for the Intermodal Yard Reconfiguration Project is as follows:

- H1 2015: Design and public engagement
- H2 2015: Construction begins
- H2 2017: Construction complete
- Beyond 2017: Introduce two additional ship-to-shore cranes

### Contact Information:

If you have any questions or comments about the GCT Deltaport Intermodal Yard Reconfiguration project, please fill in a feedback form and email Louanne Wong at [feedback@globalterminals.com](mailto:feedback@globalterminals.com) or call 604.267.5200.