

Deltaport Terminal Road and Rail Improvement Project



- Phase 1**
An overpass on existing Roberts Bank Causeway to separate road and rail traffic. Completed in 2013-14.
- Phase 2**
GCT Deltaport Intermodal Yard Reconfiguration: Rail track changes and additional container handling equipment within existing Deltaport footprint. Construction will take place in 2015-17.
- Phase 3**
Road improvements on Deltaport Way to improve movement of container trucks at Deltaport.
- Phase 4**
Additional rail track within the existing railway corridor and a portion of the Option Lands.

Deltaport Terminal Road and Rail Improvement Project

Project Overview

The Deltaport Terminal Road and Rail Improvement Project (DTRRIP) will improve the operational efficiency of rail operations at the GCT Deltaport container terminal, located at Roberts Bank. DTRRIP is an efficient and cost-effective plan to increase container capacity through improvements to existing infrastructure. The intermodal expansion densifies operations and lessens the environmental impact.

Why This Project is Important



Yielding \$500 million in GDP and \$900 million in economic output to British Columbia and Canada¹



Creating of 5,000 and 5,500 new direct and indirect jobs throughout construction and once in operation¹



No new land in the marine environment: construction is within the existing footprint



Enabling efficient and sustainable rail cargo growth



Meeting rail traffic demand through the Pacific Gateway

GCT Deltaport Intermodal Yard Reconfiguration

Details of the Reconfiguration

The proposed GCT Deltaport Intermodal Yard Reconfiguration is the second component of DTRRIP, led by GCT Canada LP. Since the environmental assessment for the project was initially reviewed and approved, GCT Canada has proposed improvements to the original plan. The proposed reconfiguration meets the same objectives as the original design, within the same footprint. However, the new design is more efficient, enabling the terminal to handle the projected increase in container rail traffic within the existing terminal footprint.



	Original Design	Reconfigured Design
Rail Track Changes	5 tracks realigned 2 new tracks added	Rearrangement of the existing 2 sets of 4 tracks into a single set of 8 tracks
Container Handling Equipment Changes	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

Project Schedule



Benefits of the Intermodal Yard Reconfiguration

The proposed GCT Deltaport Intermodal Yard Reconfiguration redesigns and optimizes the layout, providing significant operational benefits, including:



Sustainability:

- Increased rail capacity allowing for sustainable intermodal cargo growth
- Decreased noise and greenhouse gas emissions with the introduction of modernized electric rail cranes
- Reduced light glare as a result of the new energy-efficient LED lights
- Decreased emissions due to reduced equipment travel time



Safety:

- Removal of manual inspections and repairs from the working track area
- Container exchanges to be completed outside the working track area



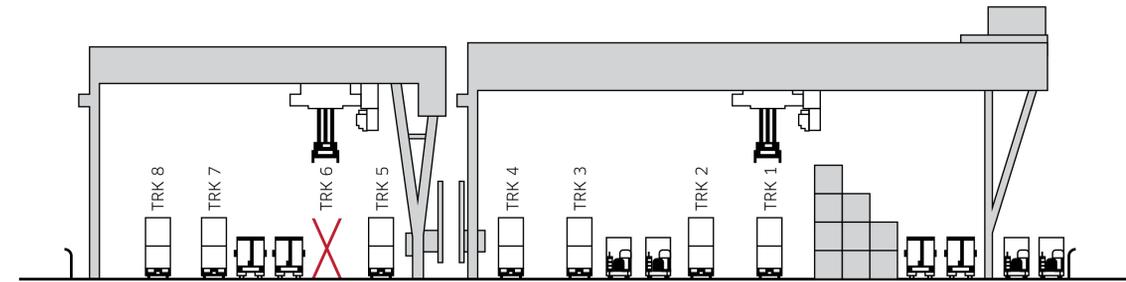
Efficiency:

- Improved operational performance and management of workflow in the GCT Deltaport IY:
 - Enables 24-hour 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

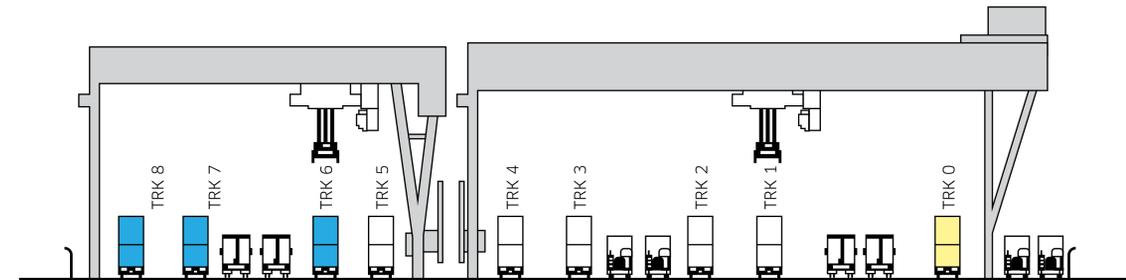
A Visual Look at the Design Changes

A comparison of the differences between the existing, original, and revised plans for the proposed GCT Deltaport Intermodal Yard.

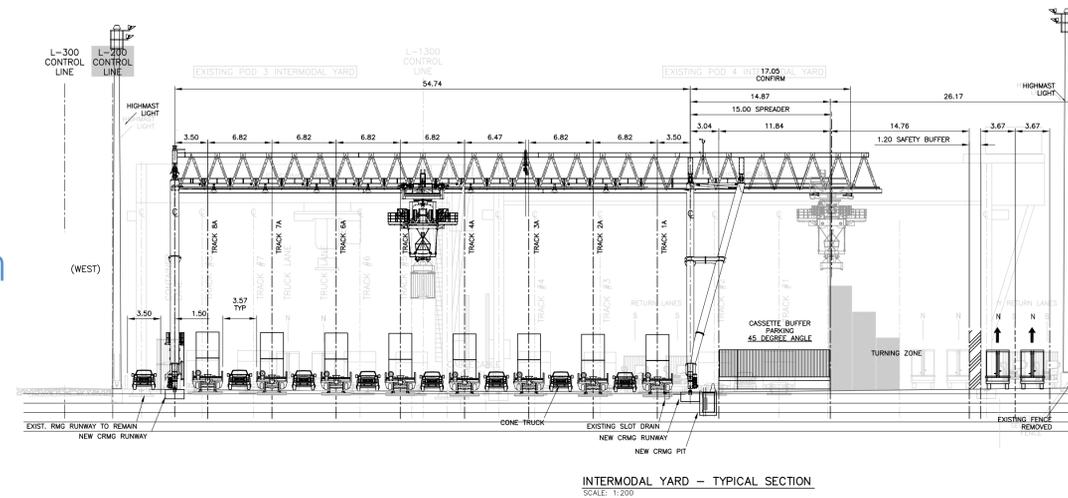
Existing Layout



Original IY
Project Proposal



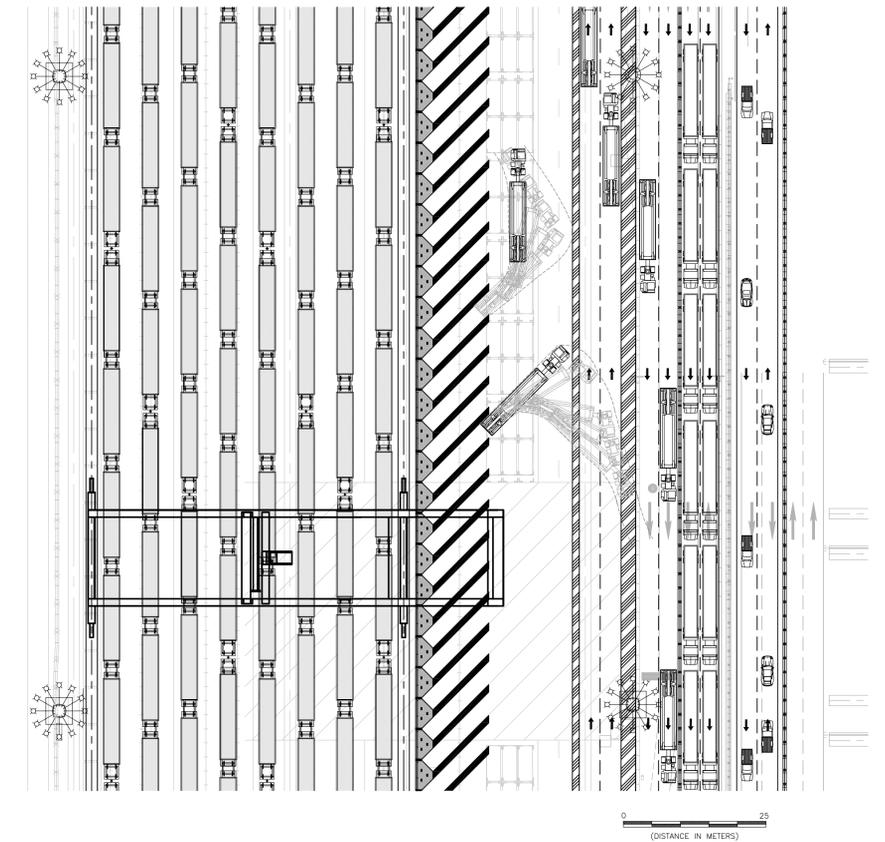
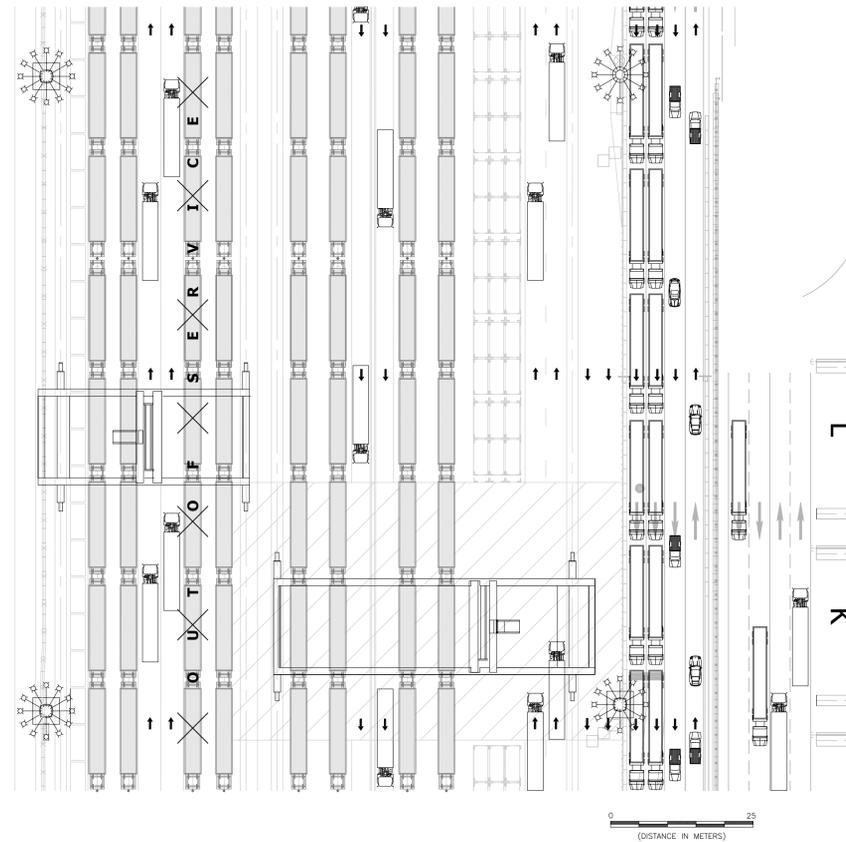
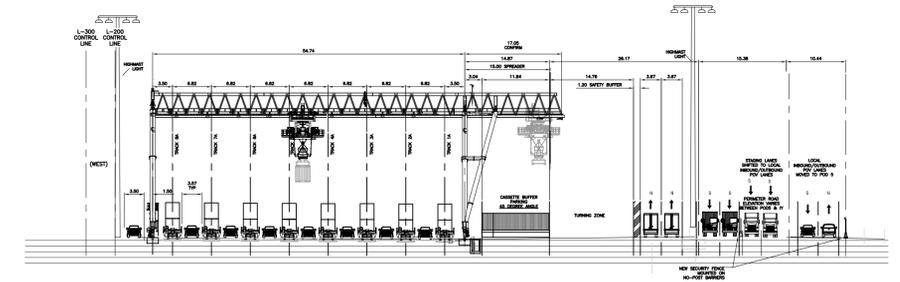
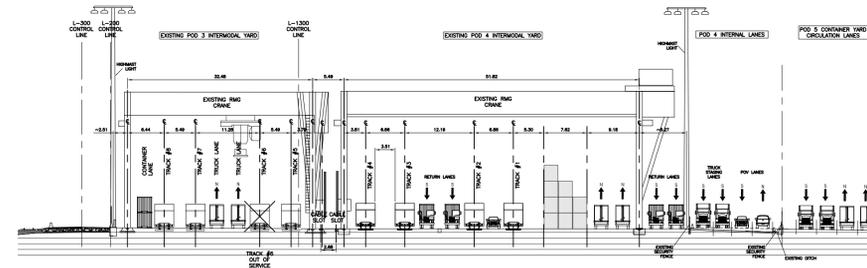
Revised IY
Reconfiguration



LEGEND

-  Existing Intermodal Rail Reused
-  Existing Intermodal Rail Realigned
-  New Intermodal Rail
-  Currently Unused Intermodal Rail

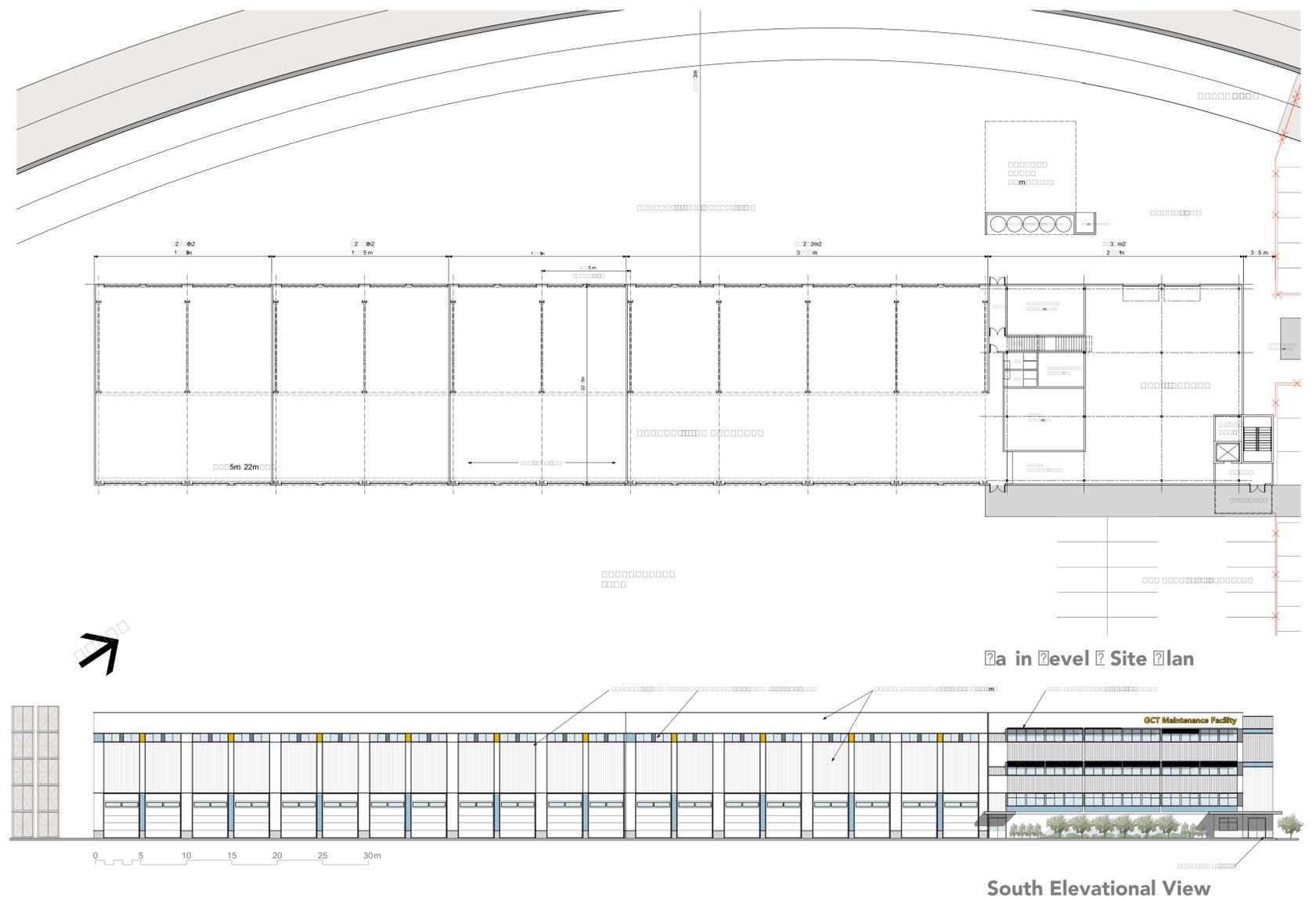
Comparison of current and future track layouts



A Side-By-Side
Comparison of
the Track Layouts

The New Rail Maintenance Building

The GCT Deltaport Intermodal Yard Reconfiguration includes a new Rail Maintenance Building that will provide the workshop space needed to maintain the new container handling equipment.



Building Details

- 3,930 square metres (42,300 square feet)
- 14.6 metres (48 feet) high, the same height as the current stacked containers
- Located at the west side of Pod 3 where the containers are presently stacked



Your Feedback is Important

Thank you for attending today's event to learn more about our proposed Intermodal Yard Reconfiguration project.

If you would like to submit any comments, please use the feedback forms available near the exit. You may fill out and submit the form here or mail it in later. The deadline to submit feedback is June 13, 2015.

All feedback received will be reviewed and included in a Consultation Summary Report and Consideration Memo that GCT Canada will submit to Port Metro Vancouver. The documents will be publicly available and posted online at:

[http://portmetrovancover.com/en/projects/OngoingProjects/Tenant-Led-Projects/global-container-terminal-\(tsi\)-intermodal-yard-upgrade-project](http://portmetrovancover.com/en/projects/OngoingProjects/Tenant-Led-Projects/global-container-terminal-(tsi)-intermodal-yard-upgrade-project)

Contact Us

If you have any further questions about the GCT Deltaport Intermodal Yard Reconfiguration project, please fill in the feedback form and contact Louanne Wong at feedback@globalterminals.com or call 604.267.5200.

Please mail any written feedback forms by June 12, 2015 to:

GCT Canada LP
c/o DTRRIP
1285 Franklin St
Vancouver, BC
V6A 1J9

Construction Effects and Mitigation

General Information

- The project will be completed entirely within the existing terminal, road, and rail footprints so no construction will occur within the marine environment
- Deltaport will continue to operate on a 24-hour schedule during construction of the Intermodal Yard Reconfiguration project
- Construction will take place concurrently with terminal operations on a 24-hour schedule, 7 days per week
- No loud works, such as driving piles, are planned for the project

Proposed Mitigations



Dust

Dust will be controlled using best practices for sediment control including watering exposed, unpaved surfaces frequently, and sweeping paved surfaces to remove dust buildup. Construction stages are small in order to maintain the existing rail operation and will avoid potential dust exposure from large unpaved areas.



Waste Management

Construction and demolition debris will be collected and discarded at an appropriate disposal facility. When possible, excavated material will be re-used as backfill in trenches.



Noise

Noise related to construction is not expected to exceed permitted levels for the normal operations of GCT Deltaport. Once complete, noise levels will decrease due to the new, much quieter, electric rail gantry cranes.



Light

Light related to construction is not expected to exceed permitted levels for the normal operations of GCT Deltaport. Once complete, the Intermodal Yard Reconfiguration project is expected to reduce light pollution from the terminal by replacing older light fixtures with modern LED light fixtures.



Green Marine Certification

A certification that benefits everyone

Global Container Terminals recently completed the Green Marine certification process for all four terminals, including GCT Vanterm and GCT Deltaport. The goal of this voluntary program is to go beyond the environmental levels set by government regulations for air, land, and water emissions. While all our terminals scored highly, both GCT Vanterm and GCT Deltaport received a 5 out of 5 in the Community Impacts category, proving that we are committed to protecting and supporting local communities. The GCT Deltaport Intermodal yard Reconfiguration project will further improve the sustainability of our operations.

GCT Deltaport Green Marine scores:



All scores are out of 5.