DTRRIP *Intermodal Yard Reconfiguration*
Port Community Liaison Committee – Delta
28 May 2015
DTRRIP and Intermodal Yard Reconfiguration

- 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.

- Led by PMV, GCT Canada and BC Rail

- DTRRIP is an efficient and cost-effective plan to increase container capacity through improvements to existing infrastructure.
  - Container traffic through Canada’s Pacific Gateway is forecast to double over the next 15 years.

- The GCT Deltaport Intermodal Yard Reconfiguration is the second of four components of DTRRIP.
Why This Project is Important

• Yielding $500 million in GDP and $900 million in economic output to British Columbia.

• Creating 5,000 and 5,500 new direct and indirect jobs throughout construction and once in operation.

• 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.
<table>
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<tr>
<th>DTRRIP Components</th>
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<tbody>
<tr>
<td>1. An overpass on existing Roberts Bank causeway to separate road and rail traffic.</td>
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<td>2. Intermodal Yard Reconfiguration – rail track changes and additional container handling equipment within existing Deltaport footprint.</td>
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<td>3. Road improvements on Deltaport Way to improve movement of container trucks at Deltaport.</td>
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<td>4. Additional rail track within the existing railway corridor and a portion of Option Lands.</td>
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Component 2
Intermodal Yard Reconfiguration – New Features

• Since initially reviewed and approved, GCT Canada has proposed improvements to the original project, including:
  • Rearranging the two sets of 4 tracks into a single set of 8 tracks
  • Replacing existing older rail cranes with new, semi-automated, electric rail cranes
  • Replacing existing lights with energy-efficient LED fixtures to reduce glare and alias light
  • New rail maintenance building
  • New mobile container handling equipment in the container yard
• The proposed Intermodal Yard Reconfiguration meets the same objectives as the original design, within the same footprint.
GCT Deltaport Intermodal Yard
Locations inside the terminal footprint
Comparison of Track Layouts

Existing Layout

New Reconfigured Layout

DTRRIP Intermodal Yard Reconfiguration

28 May 2015
Component 2
Intermodal Yard Reconfiguration – Benefits

• The proposed **GCT Deltaport Intermodal Yard Reconfiguration** redesigns and optimizes the layout, providing significant operational benefits, including:
  • Increased sustainability
  • Improved safety
  • Increased efficiency
Benefits of the Reconfiguration’s Track Design

• **INCREASES** rail capacity allowing for sustainable intermodal cargo growth

• **ENABLES** 24 hour availability to switch cars on IY tracks by reducing waiting time for rail crane operators and tractor drivers

• **ENHANCES** safety of rail workforce

• **IMPROVES** operational performance and management of rail container work flow in the GCT Deltaport IY
Benefits of the Reconfiguration’s Track Design

- **DECREASED** noise with the introduction of electric, semi-automated cranes
- **REDUCES** light glare as a result of new, energy efficient LED light fixtures within intermodal yard
- **REDUCES** air quality emissions due to reduced equipment travel time
Intermodal Yard Reconfiguration
Rail Maintenance Building

- **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 container handling equipment.
- Building footprint is located at the west side of Pod 3 where containers are presently stacked.
- Height of the building will be 48 feet (14.6 metres) – the same height as the current stacked containers.
Intermodal Yard Reconfiguration Schedule

1st Half 2015: Design & Public Engagement
2nd Half 2015: Start Construction
2nd Half 2017: End Construction
Future after 2017: Two New STS Cranes
GCT Canada will build on public consultation completed during DTRRIP EA by:

- Presenting to the Port Community Liaison Committee – Delta
- Hosting a public open house on May 30 to inform stakeholders, government and community members of project details
- Updating GCT Canada website with project information
- Providing feedback forms at the open house and online
- Developing an Engagement Summary Report for Port Metro Vancouver at the conclusion of community engagement
- Developing a Consideration Memo for Port Metro Vancouver at the conclusion of community engagement