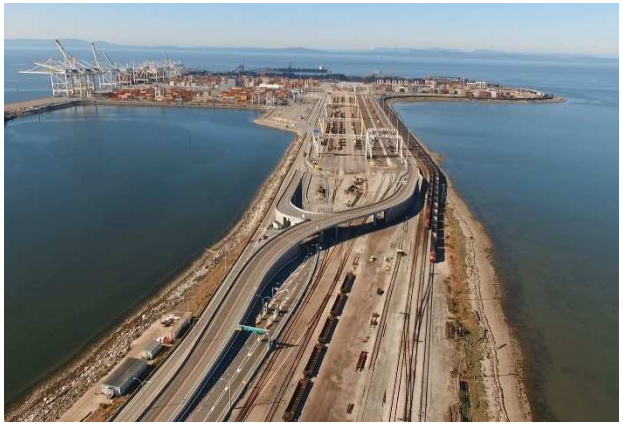
BCR Properties
Intermodal Yard Expansion Project



November 06, 2017

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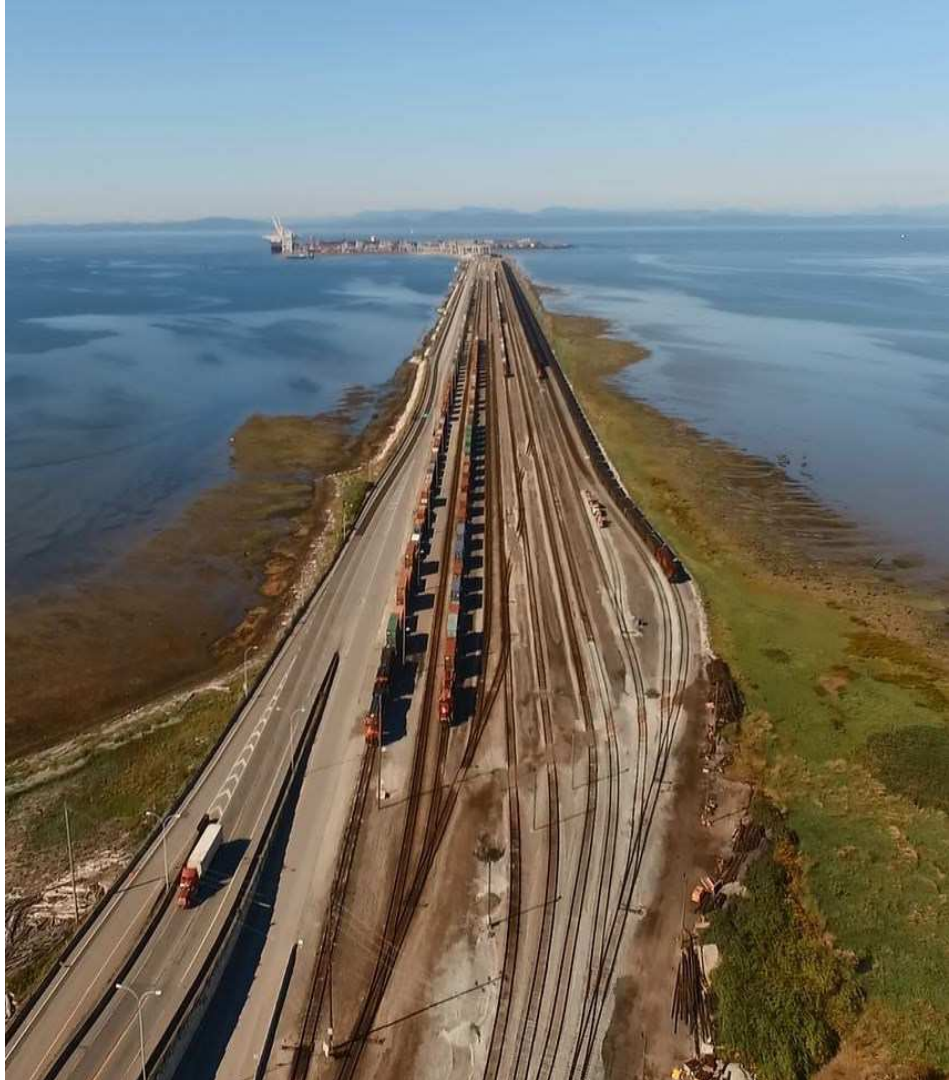
Agenda

- Background
- Project Overview
- Environmental Scoping
- Project Permitting
- Construction Environmental Management
- Construction Schedule
- Construction Methodologies
- Questions



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Project Background

- DTRRIP – Deltaport Terminal - Road-Rail Improvement Program
  - Road – VFPA Overpass & VACS - 2012–2014
  - Terminal – GCT Expansion – 2015–2018
  - Rail – BCR IYEP – 2017–2018

- DTRRIP Objective:
  - Maximize Deltaport intermodal capacity within existing footprint
  - GCT Terminal capacity increase from 1.8 MTEU to 2.4 MTEU – 33% increase
  - Not related to T2.

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Project Overview

- BCR Intermodal Yard Expansion
  - Provide additional staging/storage tracks
  - Facilitate railway mechanical activities on the Roberts Bank causeway
  - All trackwork within existing BCR ROW
  - Trackwork funded by BCR under existing Joint Section Agreements with CN/CP/BNSF

- Rail Traffic Impacts
  - Departing intermodal rail traffic increase:
    - From 36,000 up to 48,000 feet per day
    - From 3-4 up to 4-5 trains per day
  - RBRC total traffic increase:
    - From 18-20 to 20-22 trains per day

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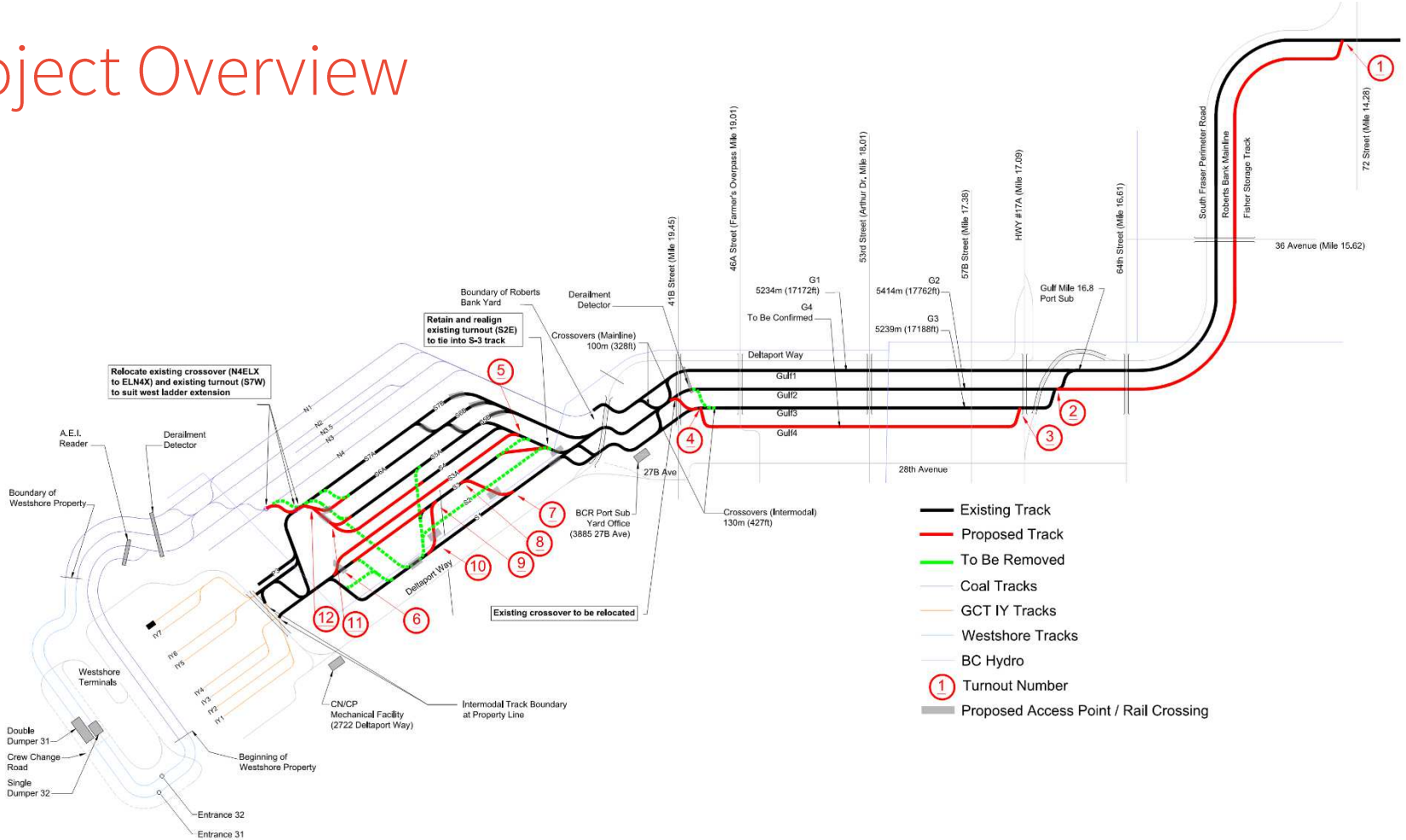
Project Overview



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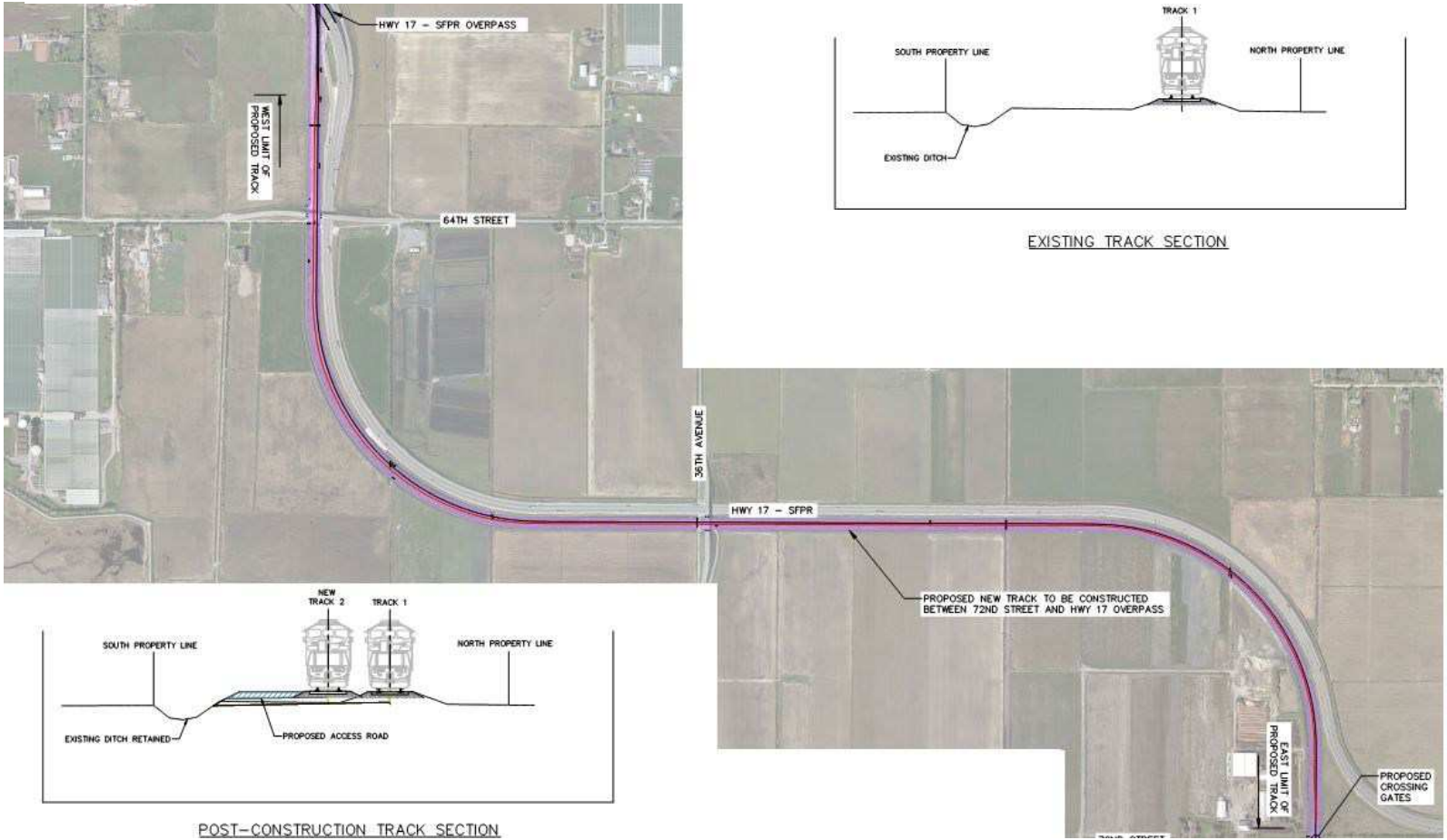
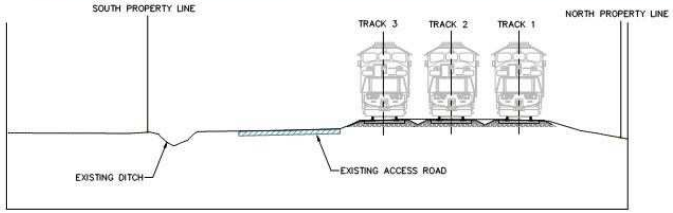
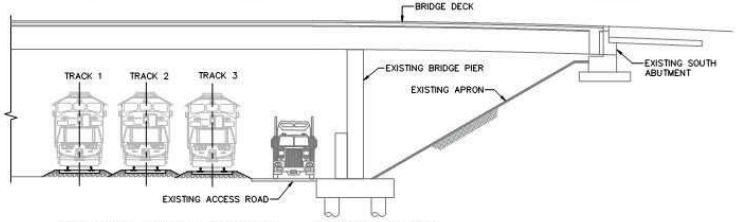
Project Overview - Fisher Plan and Section



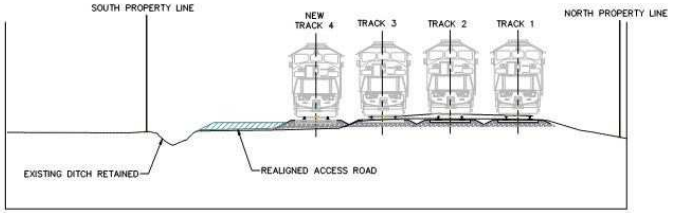
Project Overview - Gulf Plan and Section



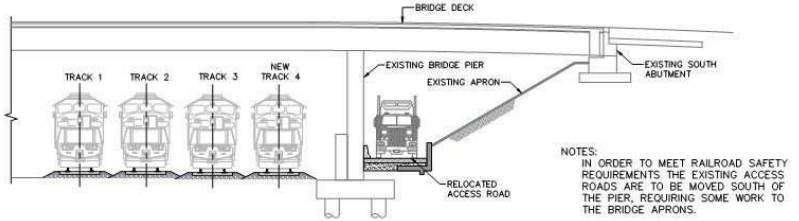
EXISTING TRACK SECTION



EXISTING BRIDGE SECTION – ARTHUR DRIVE



POST–CONSTRUCTION TRACK SECTION



POST–CONSTRUCTION BRIDGE SECTION – ARTHUR DRIVE

Environmental Scoping

- Project screened against CEAA and BCEAA thresholds: No triggers identified.
- Environmental Surveys Undertaken:
  - Fish habitat assessment: No protected fish species found. Does not require a review by DFO.
  - Vegetation Survey: No rare plants detected.
  - Amphibian Habitat Assessment: Poor breeding & living conditions for most native amphibian species.
  - Breeding Birds: 33 species recorded including two SAR birds: Great Blue Heron, Short-eared Owl.
  - Soils Testing: No contaminated soils found.
  - Agricultural Land Commission: All works will be contained within BCR property except minor ditch relocation east of 41B and ALC confirmed it does not require ALC approval.

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Project Permitting

Changes in and about a stream - Approval	Gulf - ditch relocation between 41B & 46A Street	*Consultation period*
Changes in and about a stream - Approval	Fisher - reprofiling railway ditch	*Submitted*
Changes in and about a stream - Notification	Culvert upgrades and replacements - Gulf and Fisher	*Approved*

Notice of Railway Works submitted to Adjacent Landowners, Local Municipalities, TFN, MOTI	60 day comment period completed - August 20th

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Project Environmental Management

- Construction Environmental Management Plan (CEMP) addressing all potential impacts, including but not limited to:
  - Erosion and Sediment Control
  - Fish and Amphibian Salvage and Relocation
  - Traffic Management
- The CEMP is the overarching framework for preventing or minimizing potential environmental risks and impacts during the construction phase of the project.
- Construction Contractor required to prepare EWPs addressing the requirements of the CEMP to ensure effective environmental protection during construction.
- Construction Contractor Environmental Monitor will assist in the onsite implementation of the CEMP and the EWPs
- Hatch Environmental Manager and Monitor will provide of oversight.

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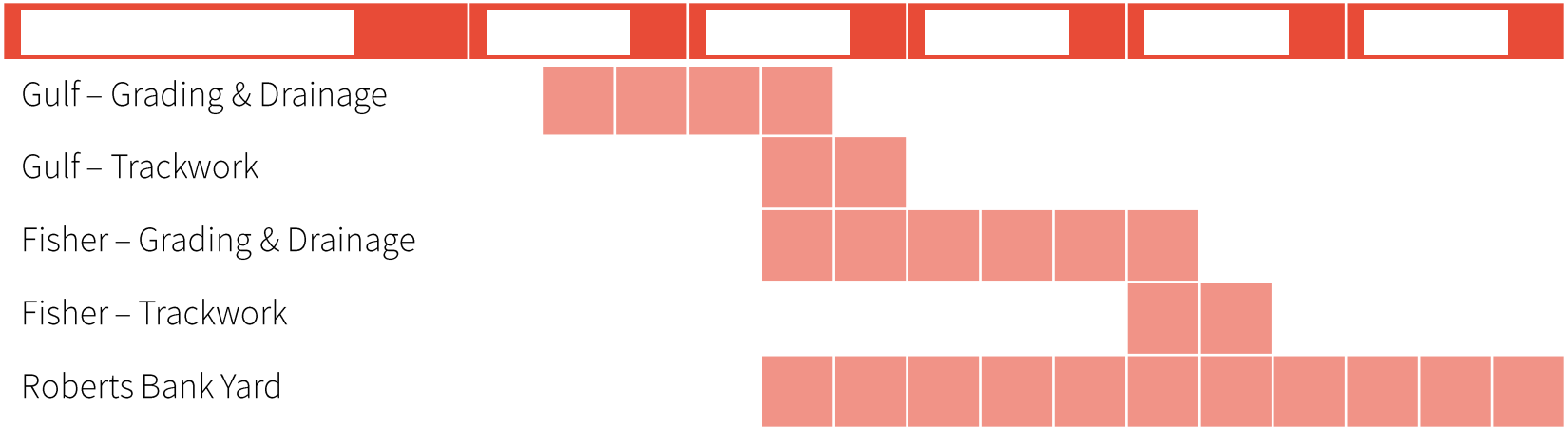
Construction Schedule



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Construction Methodologies

- A traffic management plan will be developed to meet the approval requirements for MOTI, TFN, and City of Delta.
- All material being brought to site by truck (40-50 truck movements to/from site each day, ~750 Tonnes of material).
- Supply trucks will use the Delta Truck Routes to access site.
- Material transfer stations will be strategically set up across the site, isolating construction traffic to within project limits.
- Linear construction approach to maximize efficiency. Trucks bring fill directly to point of placement and take away cut material in same movement.

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Questions?

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