

ROBERTS BANK TERMINAL 2

Delta, British Columbia



Photo courtesy of VFPA Roberts Bank Terminal 2 Project Overview video

Roberts Bank Terminal 2 is a proposed new marine container terminal on Canada's west coast, led by the Vancouver Fraser Port Authority (VFPA), that would play a critical role in supporting Canadian trade with aims to meet trade growth demands, ensure sustainable development, provide economic benefits, improve efficiency of goods movement, and align with federal and provincial strategies to strengthen Canada's Asia-Pacific Gateway.

Project Description:

Roberts Bank Terminal 2 (RBT2) is a proposed new three-berth, 2.4 Million TEU capacity, marine container terminal located approximately 5.5 kilometers offshore at Roberts Bank in Delta, B.C. The terminal will serve container ships bringing a wide variety of goods. The terminal will also serve overseas markets, shipping export containers loaded with a range of Canadian goods. As part of the project, the existing causeway would be widened to accommodate additional road and rail infrastructure and the existing tug basin would be expanded to accommodate a second tug operations contractor¹.

Project Responsibilities:

Stantec is partnered with Moffatt & Nichol as Owner's Engineer for the Vancouver Fraser Port Authority. Through agreement with Stantec, Richard continues his role as the Owners Engineer Rail Lead, to lead a team of railway engineering and operations specialists providing technical direction and coordination support for the project. Richard's specific responsibilities on the project have included the following:

- Reference concept designs for the proposed DPU Setoff Yard, T Yard (for staging Inbound/Outbound trains and the Repair Track), Intermodal Loading/Unloading Yard, and the Intermodal Storage Yard, as well as, the associated Inbound and Outbound lead tracks and leads to the Intermodal Yards
- Reference concept designs for the relocation of existing terminal inbound and outbound unloading lead tracks, to make room for proposed new RBT2 tracks, access roads, and overpasses
- Reviewing proposed terminal and rail operations to ensure the proposed storage and loading/unloading yards have sufficient capacity to accommodate proposed RBT2 traffic
- Leading railway operations simulations related to integrated operations between the proposed RBT2 terminal and the existing Roberts Bank terminals, including liaison with the existing Railway operators and service providers.
- Preparation of Design Build procurement documents for Rail works to ensure that the Owner's requirements are well defined in terms of operations, constructability, quality, and safety

Client: Vancouver Fraser Port Authority

Role: Owner's Engineer Rail Lead

Duration: November 2015 to present

Project Value: > \$2B CDN

Project Delivery: Various Design Build Models

¹ VFPA Roberts Bank Terminal 2 website