



## **Cascadia Terminal - Utility Bridge Replacement Project Summary for EVPL Meeting**

### **PROJECT DESCRIPTION**

Cascadia Terminal, owned by Cascadia Port Management Corporation and operated by Viterra Inc., is located on the south side of Burrard Inlet between the Second Narrows Bridge and New Brighton Park. The facility is within the Port of Vancouver and borders Canadian Pacific Rails and City of Vancouver. To service the facility, a truss-style pedestrian bridge carrying utilities (water, electricity, gas, and telephone) was constructed over the Canadian Pacific Rail (CPR) tracks in 1929 as shown below. The northern and southern extents of the bridge are within the jurisdictions of the Vancouver Fraser Port Authority (VFPA) and the City of Vancouver, respectively.

Given the age of the structure and evidence of corrosion, the bridge has reached its end-of-life and will need to be replaced within the next few years as it poses a significant operating risk to the terminal. The proposed project involves rerouting the existing utilities below the CPR tracks through four separate utility tunnels with varying diameters ranging from 0.2m to 0.6m and approximately 85m in length. The demolition of the 80m long by 2m wide bridge would follow. Due to grade differentials, the tunnels will daylight near ground level on the northern end (Port Metro Vancouver property) but will require a vertical exit shaft on the southern end (City of Vancouver property owned by CPMCO).

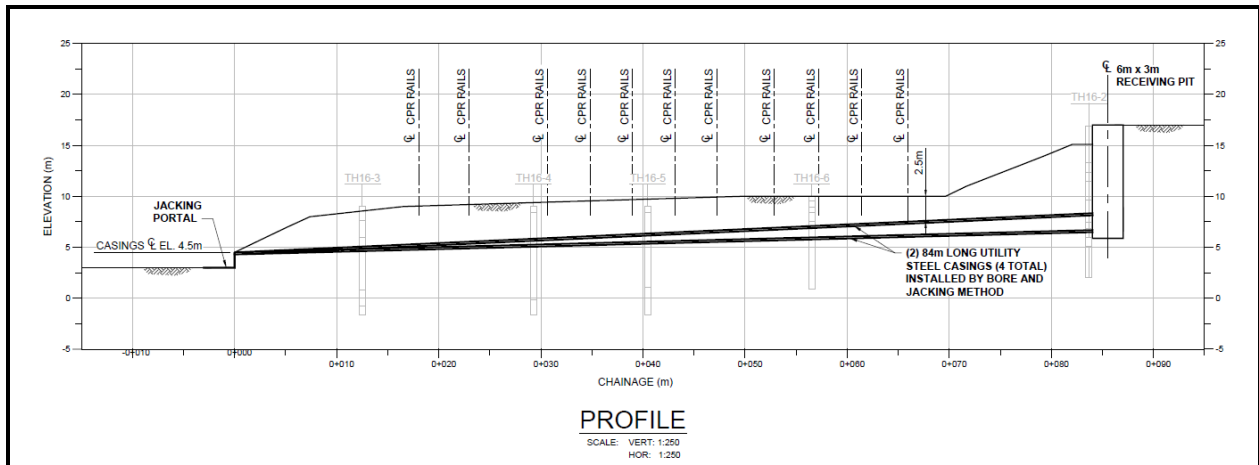
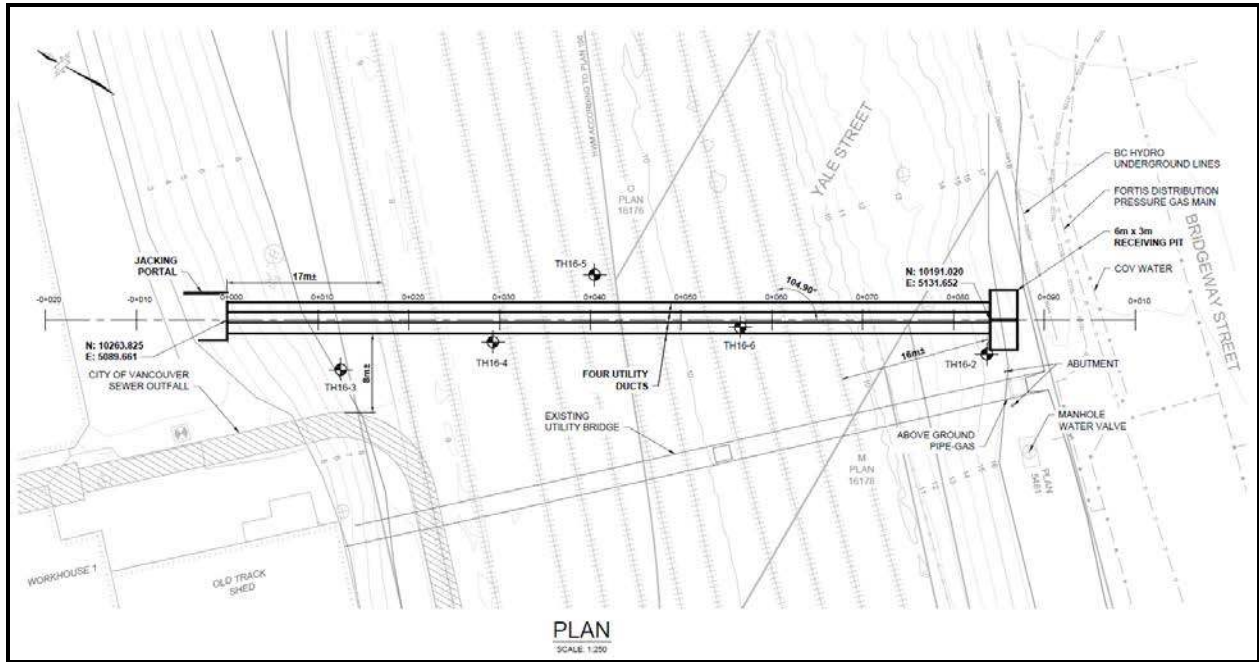
Associated works external to VFPA jurisdiction include construction of a substation building, relocation of gas and hydro points-of-service (from VFPA lands to City of Vancouver lands), and construction of a vertical utility shaft. CPMCO is also undertaking a parallel permit review process with the City of Vancouver in addition to a permit and right of way agreement with Canada Pacific Rail for tunneling and demolition of the existing bridge.



**Map of Cascadia Terminal  
Showing Project Location**



**Existing Bridge Showing Utility  
Transportation**



**Plan and Profile Views of Proposed Tunnels**