

Geophysical Investigation (July 2011)

As part of the Container Capacity Improvement Program, Port Metro Vancouver is conducting field studies in and around Roberts Bank to gather more information and data to assist in evaluating the proposed Roberts Bank Terminal 2 Project.

Geophysical Investigation

Port Metro Vancouver is initiating a marine geophysical investigation that will take place in late July 2011 as part of the project definition phase of the proposed Roberts Bank Terminal 2 project. The purpose of this investigation is to gather information about the sea bed layers and confirm information obtained through geotechnical investigation in September/October 2010 and April and May 2011.

The geophysical investigation will:

- Collect sea bed data for input into project design;
- Confirm the thickness of the lower soil and clay layers; and
- Provide data for evaluating the potential effect of an earthquake for the proposed project area.

Scope of Work

This investigation will be conducted using a small marine surveying boat, equipped with a low energy sea bed profiling system.

The system has two main components:

- First, an instrument called a *bubble pulser* emits an acoustic pulse at regular intervals from a floating position through the water and onto the seafloor and beyond.
- Second, these acoustic signals reflect back, and are collected in real time through a *hydrophone*, a piece of equipment trailing behind the boat to receive these signals. Special data acquisition software then converts this data into usable information.

The investigation will be conducted south west of the existing Deltaport and Westshore terminals at Roberts Bank, using a shallow-draft boat. The work will occur during the day, and is not anticipated to have any impact on residents from noise or light.

Timing:

The marine geophysical investigation is anticipated to begin in late July and will take place over two days.

Environmental Monitoring

An Environmental Monitor will be present during the course of the geophysical investigations to advise and recommend any necessary measures to mitigate potential impacts to the environment.

Container Capacity Improvement Program

The Container Capacity Improvement Program is Port Metro Vancouver's long term strategy to deliver projects to meet anticipated growth and demand in container capacity until 2030. The program includes assessing potential efficiency gains throughout Lower Mainland container facilities, with an initial emphasis on investment and infrastructure improvements at Roberts Bank in Delta.

Following improvements at Vanterm and Centerm in 2005, and the completion of the Deltaport Third Berth Project in 2010, Port Metro Vancouver is evaluating additional terminal improvements, including road and rail improvements, at Roberts Bank in Delta. In addition, we are exploring an additional multi-berth container terminal at Roberts Bank, the proposed Roberts Bank Terminal 2 Project. The Roberts Bank Terminal 2 project is a proposed multi-berth container terminal which could provide container capacity of more than two million TEUs (twenty-foot equivalent unit containers) per year.

The proposed Roberts Bank Terminal 2 project will be subject to a thorough and independent environmental assessment process.

For Further Information

For further information, please visit our website at www.portmetrovancover.com/CCIP or contact the Container Capacity Improvement Program Team by:

Phone: 604-665-9337

Fax: 1-866-284-4271

Email: container.improvement@portmetrovancover.com