



TRANS MOUNTAIN

Construction Update Notice

WESTRIDGE MARINE TERMINAL: Update on Extended Work Hours

We're working in your neighbourhood of Burnaby, BC

March 4- August 31, 2022

As a neighbour of Trans Mountain's Westridge Marine Terminal (WMT), you are receiving this Update Notice to ensure that you are kept informed of construction activity at the Terminal as part of the Trans Mountain Expansion Project. On February 18, 2022 Trans Mountain announced an updated Project Schedule, with mechanical completion in Q3 2023. Please visit www.transmountain.com/Burnaby to access the latest Project information and sign up for automatic updates.

Trans Mountain continues in-water and foreshore construction at WMT including pile driving for marine dock structures, soil improvement works to support the expanded foreshore and activities in preparation for the installation of vessel loading equipment and emergency response enhancements.

APPROVED EXTENDED WORK HOURS – WMT FORESHORE AREA

The Vancouver Fraser Port Authority (the port authority) recently approved a six-month extension to a limited scope of construction activities overnight at the Terminal plus an additional scope of work that will occur on Sunday. This extension permits the continuation of activities at the Terminal already approved to occur 24 hours per day, Monday to Saturday, effective March 7, 2022, for another 6 months until August 31, 2022.

Effective March 4, 2022, until June 26, 2022 some essential works will also occur Sunday between 8:00 am and 5:00 pm as described on the following page.

All general construction activities related to the Project currently take place during regular construction hours between 7:00 am and 8:00 pm Monday to Saturday as stipulated under the port authority permit PER # 19-162. Sunday and night work **will not** include pile driving operations; those activities will continue to occur only during daytime regular construction hours.

There is constrained daytime site access to WMT due to existing marine terminal operations which need to continue to safely and efficiently deliver oil to British Columbia and other markets.

Challenging ground and abnormal weather (heavy rain) conditions in the marine terminal foreshore area have increased the complexity and duration of the ground improvement work. To meet Project schedule constraints and accommodate the terminal's operations, some essential works need to be completed during a Sunday day shift and Monday to Saturday night shift.

All work would adhere to the requirements and conditions originally outlined in port authority permit #19-162. This includes abiding by all noise, lighting and environmental requirements in the Project Permit Application as well as the Westridge Marine Terminal Environmental Protection Plan (CER Filing



ID A6G2L1)¹ and Noise Management Plan (CER Filing ID A7I3K1)². All emergency plans and resources would be maintained through these extended work hours.

The approved work activities conducted at night will include:

- Ground improvement on the foreshore to improve long term ground stability
- Continued operation of a Guided Horizontal Auger Bore Sending Pit to install utilities under the CP Rail track
- Installation of Foreshore Utilities
- Above ground facilities work including concrete works and mechanical system installation

The approved work activities conducted on Sunday will include:

- Equipment operation to off-load spoil materials onto barges for disposal at a designated land facility.

APPROVED NIGHT SHIFT ACTIVITIES

Foreshore Ground Improvement:

Trans Mountain continues to work on extending the land along the water to accommodate new equipment and facilities including:

- Dock pipelines and metering equipment
- Emissions management equipment
- Firewater and foam pumping system
- Storm water management system
- Electrical equipment and control system
- New control building
- Emergency response equipment

Construction activities associated with the ground improvement night shift work include:

- Drilling operations to support core drilling and jet grouting
- Operations to facilitate the supply of grout from an on-site batch plant and on-site handling of spoils

¹ Westridge Environmental Protection Plan, Condition 81 [CER Filing ID A6G2L1]: <https://apps.cer-rec.gc.ca/REGDOCS/ItemView/3581455> (Accessed July 26, 2021)

² Westridge Marine Terminal Nightshift Noise Management Plan Addendum to Condition 80 [CER Filing ID A7I3K1]: https://docs2.cer-rec.gc.ca/llisapi.dll/fetch/2000/90464/90552/548311/956726/2392873/3781699/3962306/C08209%2D1_Condition_80_WMT_Night_Shift_Noise_Management_Plan_Addendum_September_8%2C_2020_%2D_A7I3K1.pdf?nodeid=3962307&vernum=-2 (Accessed July 26, 2021)



**Operation of Guided Horizontal Auger Bore
(GHAB) Sending Pit:**

The installation of utilities under the CP Rail tracks will be completed utilizing a trenchless GHAB operation.

Construction activities include:

- Horizontal auger boring for utilities installation
- Pipe fitting and welding
- Examination of pipe using radiography
- Backfilling of GHAB Sending Pit

Foreshore Utility Installation

Utility installation will take place in areas of the foreshore where ground improvement works have been completed. The utility installation work initiated in March 2021 will continue for an additional 6-month period and include the following activities:

- Excavation of trenches, backfilling and compaction of fill
- Installation of utilities such as conduit, pipe, manholes and sumps
- Operations to manage spoil materials³

New night shift activities to support above ground facilities work prior to the installation of vessel loading and other equipment will include:

- Concrete works and installation of structural steel
- Assembly of mechanical equipment
- Pipe fitting and welding
- Hydrotesting
- Installation of electrical devices, instruments and lighting

Trans Mountain and its acoustic consultants have completed an assessment of the potential noise sources related to the construction activity mentioned above and anticipate that noise levels associated with this construction activity will remain within the nighttime Permissible Sound Levels outlined in the Project permit and the Westridge Noise Management Plan Night Shift Addendum which meet with BC Oil and Gas Commission Guidelines and were approved by the CER.

PROPOSED MITIGATIONS TO MINIMIZE DISTURBANCE

Trans Mountain is proposing to put in place the following mitigation measures to minimize potential disturbance from night shift construction activities:

- Where possible limit use of generators and light plants
- Noise barriers to be deployed close to noisy activities to block effects on residential areas, including north shore areas. This includes the previously installed 12' sound wall at the Terminal to minimize effects of drilling operations on residential neighbourhood.

³ Sunday work will occur between 7:00 am and 5:00 pm only (no night shift)



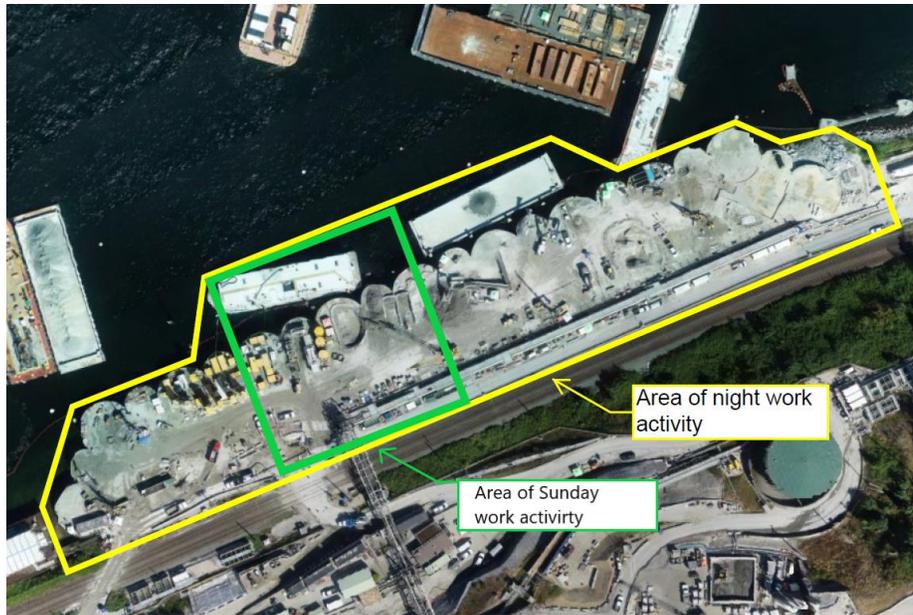
- Use of directional lighting to limit light pollution to surrounding area (people/birds)
- Shut down equipment not in use and minimize vehicle use on site
- Continuous noise monitoring and deployment of noise mitigations as per the noise management plan
- Use of hoard piping with welding tents to eliminate visible welding activity at night
- Offsite parking with shuttle transportation to minimize vehicle traffic accessing the site

Should you have concerns regarding this work, please contact us at **1.866.514.6700** or info@transmountain.com.

For questions about the port authority’s Project and Environmental Review of the project, please contact the port authority at PER@portvancouver.com or 604.665.9047.

Visit our Westridge Marine Terminal web page at: www.transmountain.com/westridge-marine-terminal

SITE LOCATION



Trans Mountain’s first priority is the health and safety of our workforce, their families and our communities. In response to the evolving COVID-19 pandemic, Trans Mountain and our construction contractors for the Trans Mountain Expansion Project have been working diligently together to ensure adherence to all advice and direction from government and health officials both provincially and federally.

CONTACT US:
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Pipeline or construction emergency?
Call 24/7: 1.888.876.6711