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WEBINAR INVITATION

Pressurized face tunnelling in The Metro Vancouver Area



NAME: **Greg Emslie (McMillen Jacobs Associates)**

DATE & TIME: Thursday November 26
1200 hrs PDT (Vancouver)
1500 hrs EDT (Toronto)

Connect directly with [Microsoft Teams](#)
(no need to register).

Presentation Abstract:

The Metro Vancouver area has seen an increase in Pressurized face tunnelling over the past 10-20 years due to its growing population and the need to increase capacity of public infrastructure while limiting surface disturbance and environmental impacts.

These tunnels are typically components of much larger infrastructure projects such as LRT (Skytrain) lines, water supply pipelines, wastewater conveyance and oil and gas pipelines.

This presentation includes an introduction to earth pressure balance (EPB) and mix-shield (Slurry) TBM methods, TBM design considerations, and common challenges associated with pressurized face tunnelling in the Metro Vancouver area, with examples from recently completed local projects.

Speaker Bio:

Mr. Emslie is an underground Structural Engineer with McMillen Jacobs Associates (MJA). His experience is well balanced in both structural design and construction engineering services for Underground Work. He specializes in static and seismic design of tunnel and shaft linings, TBM support structures, and temporary underground Works. Recent local design projects include the Second Narrows Water Supply Tunnel, Annacis Outfall, Broadway Subway, Eagle Mountain Gas Pipeline, the Evergreen Line, and Port Mann Main Water Supply Tunnel.