



# **Metrolinx General Guidelines for Design of Railway Bridges and Structures Bulletin #01 Monitoring Requirements for Trenchless and Grouting Works RC-0506-04STR**

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Bulletin No. 001

**\*\*\*REVISED\*\*\***

**Refer to Part 6 Section 13, add new Section 13.14 to read:**

**13.14** Continuous monitoring (i.e. visual and/or survey and/or remote monitoring, based on Geotechnical Engineer's recommendations) for movements of ground, tracks, shoring and existing structures shall be performed during construction, boring, tunneling, grouting and other activities that may have a potential risk in impacting track safety and rail operations;

**13.14.1** If there is any grouting operation being carried out to fill buried voided structures under or adjacent to railway tracks (ie. grouting of tunnels or other buried structures, grouting annular void between existing culvert and new liner insert, grouting under approach slabs, etc.) such that the work may result in potential build-up of fluid pressures during the grouting operation, then the following shall be exercised;

- Engineer shall assess the work to be carried out and establish grouting pressures that will not impact ground, tracks or existing structures,
- There shall be continuous monitoring of all infrastructure (i.e. ground, tracks or existing structures). If the monitoring program reveals that there is movement of any infrastructure, grout rising above ground or any other issues that may impact any infrastructure, then all work shall cease, and the Geotechnical Engineer shall provide recommendations to mitigate the issues.

These changes are effective immediately.

**\*\*\*END\*\*\***

Signed:

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Obsolete