

## Railroad Construction, Rail Network Infrastructure, Geotechnical Planning

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In the field of infrastructure construction, our support goes to committees, authorities, general contractors, engineering offices, manufacturers, project financiers, infrastructure banks, funding agencies, private and public clients, working in close collaboration with professional experts, appraisers, and engineers leading in geotechnical engineering and railway infrastructure construction. Services provided to clients and project consortia partners are to assist decision-makers involved in i.a. project financing, feasibility assessment, technical safety, and permitting of railway-related infrastructure projects, especially railway modernization and railway tunnel construction.

The provided geotechnical expertise focuses primarily on securing technical project implementation, guaranteeing reliable railway operation, and achieving set project objectives within the defined budget and timeline framework. Recommendations based on data collected during site investigations are supplied to decision-makers in analytical calculations, models, or simulations, including data statistics, and part of a documented, qualitative expert report. It is written in Canadian English using Canadian Technical Norms and Standards. Report formats can be:

### Support Services Planning Phase

- ❖ Technical Expert Reports
  - Geotechnical Measurements and Analysis
  - Subsurface Examination Report
  - Site Investigation Report
  - Tunnel Construction Examination Report
  - Safety-related Evaluation Report
- ❖ Project Feasibility and Planning Forms
  - Object Design and Structural Planning
  - Infrastructure Construction Templates

### Support Services Construction Phase

Approved infrastructure projects can be accompanied during construction phases. With regards to tunnel construction projects, this can include the following additional geotechnical service offerings:

- ❖ Civil Engineering Services, Specialized Tools, and Building Materials, including
  - Monitoring geotechnical implementation tasks
  - Mediation between project consortia partners
  - Communication with Special Machine Manufacturers
  - Support Quality Management, Progress Examinations

**MEDSTERN CANADA LLP** delivers top results. Our Business Mediators facilitate Business-to-Business processes and support successful project collaborations between Leaders active in Advanced Transportation and Railway Infrastructure Modernization:

- ★ WOULD YOU LIKE TO EXTEND YOUR B2B NETWORK IN GEOTECHNICAL ENGINEERING?
- ★ ARE YOU IN NEED OF SPECIFIC GEOTECHNICAL ANALYSIS OR EXPERT SUPPORT SERVICES?
- ★ DO YOU REQUIRE SUPPORT IN RAILWAY INFRASTRUCTURE PLANNING OR RAILWAY MODERNIZATION?

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