



Project Title: Brun-Way (TCH Woodstock – Grand Falls) Highway
Geotechnical Investigation

Client: Brun-Way Construction Inc.

Project Description:

GEMTEC Limited completed geotechnical investigations, analysis and recommendations for all of the structures (40 structures) and grading (100 kilometers) related to the construction of the new Brun-Way highway (Woodstock to Grand Falls, New Brunswick) between February 2005 and February 2006.

The geotechnical investigations included 200 boreholes, 1500 test pits and CPTu testing at a number of structures. Subsequent lab testing included routine laboratory testing as well as tri-axial testing, consolidation testing, etc.

Analysis and recommendations were provided for each structure. While many of the structures were founded on simple shallow foundations others were more complicated. For example, some of the structures were founded on piles to steep sloping bedrock (special piling techniques and rock points). Another structure, founded on piles, required a surcharging period to alleviate large downdrag loads.

GEMTEC's geotechnical staff also provided on-going consultation as other geotechnical issues arise during construction.

