

Railway Capacity in Alberta

Alberta



Alberta's economic wellbeing is dependent upon an efficient and fluid railway transportation network in order to provide access to domestic and global marketplaces.

Existing Pan-Canadian Economic Corridors have been established connecting Alberta to other provinces and countries by rail (US and Mexico), as well as, international markets through our port terminals.

Rail capacity within the province of Alberta is critical in ensuring the local railway network is able to handle current and forecasted demands for exported products and commodities, and to ensure the network can also handle the large volume of through traffic supporting Canada's overall economy.

Project Responsibilities:

Lanyi Rail Solutions Ltd have been providing senior railway engineering technical support to CPCS, as prime consultant, on a project for the Alberta Government with a focus on railway mainline and major terminal capacity analyses. Specific activities include the following:

- Collection and review of available railway infrastructure and traffic information within the Province of Alberta
- Engagement with railway transportation and industry stakeholders to identify current supply chain growth constraints and to determine the needs for expanding existing, or developing new, economic corridors in support of Alberta's future economic potential
- Development of analytical models for estimating current railway corridor capacities as a means of evaluating current traffic conditions, potential bottlenecks, and future requirements in support of further traffic growth within the Province of Alberta
- Developing analytical models for estimating current major railway terminal capacities as a means of evaluating current operating conditions, potential bottlenecks, and future requirements in support of further traffic growth

Client: Province of Alberta

Role: Railway Capacity Specialist

Duration: May 2021 to November 2021