



# VOLUME 6 - APPENDIX SECTION 6.2 – RAILWAY PROJECTS COMPARISON



Consultant Reference: LGA-1-GN-F-FRN-RT-0006\_00\_Appendix6.2  
2023-03-10



**Stantec** ■ **DESFOR** ■ **SYSTRA**

with subconsultant



Num.	Elements of Comparison	Reference Project	PROJECTS						
		Grande Alliance Billy Diamond & Grevet-Chapais	SFNQ Railway	Bloom Lake Railway	Baffinland Iron Mines Corporation (BIM)	Technical Assistance Services to Tshuëtin	Feasibility Study and Business Plan for a High Frequency Rail	Railway Link between French Mine and Timmins Mine	Gaspé Railway Strategy Plan
1	Track Class	Class 3 / Class 4	Class 3	Class 2	Class 4	Class 3	Class 5	Class 2	Class 3
2	Status	Study Underway	Studied, Not Yet Built	Operating	Studied, Not Yet Built	Operating	Studied, Not Yet Built	Operating	Operating
3	Ownership	Cree	Innu, Mining Consortium, Provincial Government	Mining Company	Mining Company	Innu	Crown Corporation	Mining Company	Provincial Government
4	Track Length	260+150 =410 km	360 km	32 km	145 km	216 km	850 km	21 km	325 km
5	Transport Mode	Freight/Mine - Passenger	Freight/Mine	Freight/Mine	Freight/Mine	Freight/Mine - Passenger	Passenger	Freight/Mine	Freight/Passenger/Tourism
6	Speed	90 km/h - 130 km/h	65 km/h	40 km/h	75 km/h	64 km/h- 96 km/h	129 km/h-153 km/h	30 km/h	64 km/h- 97 km/h
7	Track Installation	Ballasted track	Ballasted track	Ballasted track	Ballasted track	Ballasted track	Ballasted track	Ballasted track	Ballasted track
8	Location	Matagami-Rupert River/ Grevet-Chapais	Fire Lake North to Pointe Noire, Quebec	Bloom Lake to Wabush. Quebec	Nunavut	Schefferville to Wabush, Quebec	Quebec-Montreal-Toronto	Schefferville, Quebec	Gaspésie, Quebec
10	Axle Load	30 -32 t	32.5 t	32.5 t	31.5 t	32.4 t	32.4 t	32.5 t	29.8 t
9	Project Cost	TBD	\$3.19 B (2014)	N/A	\$2 B (2012)	N/A	\$6 B - 12 B (2021)	\$33 M (2013)	\$55 M (2015)
11	Annual Tonnage	TBD	20 MTPA	7 MTPA (plan to increase to 16 MTPA)	18 MTPA	4 MTPA	No Freight	4 MTPA	6100 wagons/year
12	Total Bridge Length (approx.)	TBD	870m	approx. 150m	2200 m	N/A	+5000 m	NA	N/A
13	Type of Bridges	TBD	Buried steel plate, and steel trestle bridges	Buried steel plate	Steel	Steel and concrete	Mostly Steel	NA	Mixed
14	Number of Bridges	TBD	32	5	30	+20	+100	NA	93
15	Type of Work	New line and rehabilitated line	New line	Rehabilitation	New line	Rehabilitation	New track and rehabilitation	New track	Rehabilitation
16	Market Study	Yes	No	No	No	No	Yes	No	Yes
17	Environmental & Social Conditions	Northern Forested area coordination with first nation	Northern Forested area	Northern Forested area	Arctic area, coordination with Inuit	Northern Forested area	Canadian Shield	Northern Forested area	No
18	Operating Plan	Yes	Yes	Yes	Yes	No	Yes	No	Yes
19	Various	Intermodal, siding, port facilities, others	Port, mine and sidings	Sidings and facilities	Port & mine facilities	Sidings and facilities	Stations, Sidings	Mine facilities	Sidings
20	Type of Study	Feasibility	Feasibility	Assistance	Prefeasibility to detail design	Assistance	Feasibility	Detail study and construction	Market, prefeasibility, financial study
21	Standards used	AREMA, Transport Canada, Transport Québec, CN, CSA.	AREMA, Transport Canada, Transport Québec, CN, CSA.	AREMA	AREMA, Transport Canada, Transport Québec, CN, CSA.	AREMA, Transport Canada Transport Québec, CSA.	AREMA, Transport Canada Transport Québec, CSA.	AREMA, Transport Canada Transport Québec, CSA.	AREMA