



Canada rapid transit project cost analysis (projects proposed or early in construction, as of September 2024)

City	Project Name	Length (km)	Project Type	Estimated capital cost (not including o&m)	Cost per km	Opening day ridership (weekday)	Ridership per km	Long-term ridership (weekday)	End to end travel time (mins)	Average speed (km/h)	Benefit cost ratio (BCR) per most recent analysis	Technical notes
Surrey, BC	Surrey-Langley SkyTrain	16	Light metro	\$5,996,000,000	\$374,750,000	56000	3500	80,000 per day in 2050	21.5	44.7	1.02	Surrey-Langley SkyTrain business case and documents at <a href="https://surrey-langleyskytrain.gov.bc.ca/document-library/">https://surrey-langleyskytrain.gov.bc.ca/document-library/</a>
Calgary, AB	Green Line Stage 1, Phase 1 (as of July 2024, cancelled by AB province)	10	LRT	\$6,248,000,000	\$624,800,000	32000	3200		17.9	33.6		Green Line Stage 1, Phase 1 info page <a href="https://www.calgary.ca/green-line/about/phase-1.html">https://www.calgary.ca/green-line/about/phase-1.html</a> ; average speed per 2020 stage 1 business case end-to-end time
Montreal, QC	Projet structurant de l'est (PSE) phase 1 only	21	LRT	\$10,434,000,000	\$496,857,143					30.0		ARTM full report <a href="https://www.artm.quebec/wp-content/uploads/2024/05/RP_PSE_AC_VFinale_2024-05-28.pdf">https://www.artm.quebec/wp-content/uploads/2024/05/RP_PSE_AC_VFinale_2024-05-28.pdf</a>
Montreal, QC	Projet structurant de l'est (PSE) full buildout	38	LRT	\$18,632,000,000	\$490,315,789	97000	2553			30.0		ARTM full report <a href="https://www.artm.quebec/wp-content/uploads/2024/05/RP_PSE_AC_VFinale_2024-05-28.pdf">https://www.artm.quebec/wp-content/uploads/2024/05/RP_PSE_AC_VFinale_2024-05-28.pdf</a>
Quebec City, QC	Quebec City Tramway (as of Nov 2023, cancelled by QC province)	19.3	LRT	\$8,400,000,000	\$435,233,161				38.0	30.5		per media, November 2023 <a href="https://montrealgazette.com/news/quebec/quebec-city-proposes-to-build-tramway-itself">https://montrealgazette.com/news/quebec/quebec-city-proposes-to-build-tramway-itself</a>
Quebec City, QC	Circuit intégré de transport express (CITÉ) tramways phase 1	19	LRT	\$5,270,000,000	\$277,368,421							CDPQ technical analysis <a href="https://cdpqinfra.com/en/cite">https://cdpqinfra.com/en/cite</a>
Quebec City, QC	Circuit intégré de transport express (CITÉ) tramways phase 2	3.6	LRT	\$620,000,000	\$172,222,222							CDPQ technical analysis <a href="https://cdpqinfra.com/en/cite">https://cdpqinfra.com/en/cite</a>
Quebec City, QC	Circuit intégré de transport express (CITÉ) tramways phase 3	12.1	LRT	\$5,040,000,000	\$416,528,926							CDPQ technical analysis <a href="https://cdpqinfra.com/en/cite">https://cdpqinfra.com/en/cite</a>
Toronto, ON	Eglinton East LRT	18.6	LRT	\$5,884,700,000	\$316,381,720			107,200 per day in 2041		22.0	0.50	Updated initial EELRT business case 2023 <a href="https://www.toronto.ca/legdocs/mmis/2023/ex/bgrd/backgroundfile-241047.pdf">https://www.toronto.ca/legdocs/mmis/2023/ex/bgrd/backgroundfile-241047.pdf</a>
Edmonton, AB	Capital Line South	4.5	LRT	\$1,340,000,000	\$297,777,778			26,000 per day in 2050				Project overview (City of Edmonton) <a href="https://www.edmonton.ca/sites/default/files/public-files/Capital_Line_South_LRT_Extension-Project_Info_Session_Sept_2022.pdf">https://www.edmonton.ca/sites/default/files/public-files/Capital_Line_South_LRT_Extension-Project_Info_Session_Sept_2022.pdf</a>
Edmonton, AB	Valley Line West	13.9	LRT	<i>currently not updated</i>					35.0	23.8		
Hamilton, ON	Hamilton LRT	14	LRT	<i>currently not updated</i>					32.0	26.3		
Kitchener-Waterloo, ON	ION Stage 2	17	LRT	\$4,465,000,000	\$262,529,412							Updated cost per WR April 2023 briefing <a href="https://www.engagewr.ca/6483/widgets/25074/documents/117837">https://www.engagewr.ca/6483/widgets/25074/documents/117837</a>
Mississauga, ON	Hazel McCallion Line (on-surface to downtown Brampton)	22	LRT	\$5,535,000,000	\$251,500,000				50.0	26.4		Construction already in progress; \$4.6 billion for current 19km + \$933 million for 4km extension to Brampton on surface
Mississauga, ON	Hazel McCallion Line (4km tunnel to downtown Brampton)	22	LRT	\$7,400,000,000	\$336,363,636				47.0	28.1		Construction already in progress; \$4.6 billion for current 19km + \$2.8 billion for 4km extension to Brampton in tunnel
Toronto, ON	Waterfront East LRT	7	LRT (streetcar)	\$2,570,000,000	\$367,142,857						0.71	Toronto technical analysis Oct 2023 <a href="https://www.toronto.ca/legdocs/mmis/2023/ex/bgrd/backgroundfile-240154.pdf">https://www.toronto.ca/legdocs/mmis/2023/ex/bgrd/backgroundfile-240154.pdf</a>
Ottawa, ON	O-Train Stage 3 to Barrhaven	10	LRT	\$4,019,000,000	\$401,900,000							Detailed Barrhaven LRT report made available June 2024 <a href="https://documents.ottawa.ca/sites/documents/files/barrhaven_lrt_epr_part1_en.pdf">https://documents.ottawa.ca/sites/documents/files/barrhaven_lrt_epr_part1_en.pdf</a>
Ottawa, ON	O-Train Stage 3 to Kanata/Stittsville	11	LRT	<i>currently not updated</i>								
Toronto, ON	Ontario Line	15.6	Heavy metro (subway)	\$19,000,000,000	\$1,217,948,718	388000	24872		30.0	31.2	1.05	(We are going by the 2022 contractual capital budget, not the 2024 announced \$27 billion cost which includes operating/maintenance/lifecycle over 50 years)
Montreal, QC	Blue Line extension	6	Heavy metro (subway)	\$7,600,000,000	\$1,266,666,667	69000	11500					Newest cost per technical briefing to media, see: <a href="https://www.cbc.ca/news/canada/montreal/blue-line-extension-delayed-1.7503767">https://www.cbc.ca/news/canada/montreal/blue-line-extension-delayed-1.7503767</a>
Toronto, ON	Yonge North Subway Extension	8	Heavy metro (subway)	<i>currently not updated</i>								

\* Blank fields indicate that info is unable to be reliably located or interpreted from documents

\*\* Capital costs are not adjusted to a constant year-of-expenditure, however most appear to be reported in either 2023 or 2024 dollars; out-of-date cost estimates are not used.