

Edmonton Transit Service

CO02262 Infrastructure Enhancement for City Transit Facilities

ETS Fare Gates Pilot

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Urban Planning Committee

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Background

- ETS operates 18 LRT Stations on Capital Metro Lines, 12 LRT stations on the Valley Line South East
 - Serves between 1.2 million to 1.4 million LRT riders per month, ~15 million annually
- ETS operates a proof-of-payment or “open” fare system on the LRT lines and a “closed” system on buses and DATS
- LRT stations such as Churchill had fare gates installed in the 1970s (pictured); they were removed in 1980 to move to an open payment system



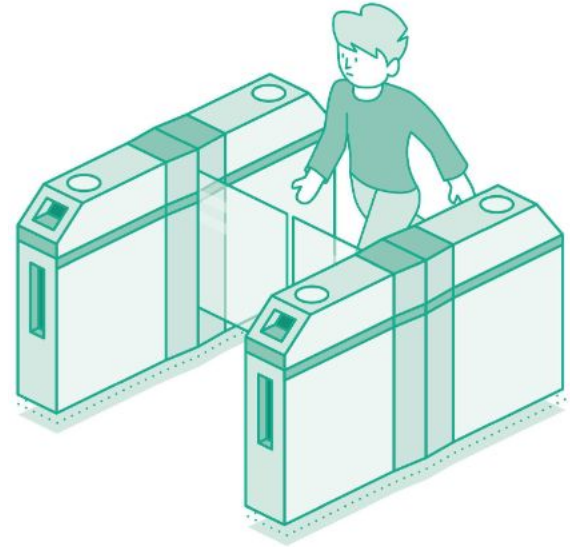
Picture from: Skyrise Edmonton

Modern Fare Gate Examples



ETS Fare Gates Pilot

- A two-year pilot plan for fare gates at two LRT stations. Reviewing criteria, **Churchill** and **Belvedere** LRT stations are recommended
- The pilot would evaluate costs, benefits, and feasibility, with a focus on safety and security, rider perceptions, and changes in rider behaviour
- Staffing would be needed during operational hours to manage fare gates and assist riders



ETS Fare Gates Pilot Cost

- Costs for the pilot include the following components (from highest to lowest cost items):
- Capital costs (\$4.2 million)
 - 30 Arc enabled fare gate units (10 per entrance for 3 entrances)
 - Power conduit installation
 - Engineering services
 - General contractor services
 - Equipment relocation
 - Project support
 - CCTV cameras
 - Operating costs (\$1.5 million each year)
 - Staffing costs for the gate attendant role
 - Rider research for pilot evaluation
 - Maintenance

Thank you. Questions?