

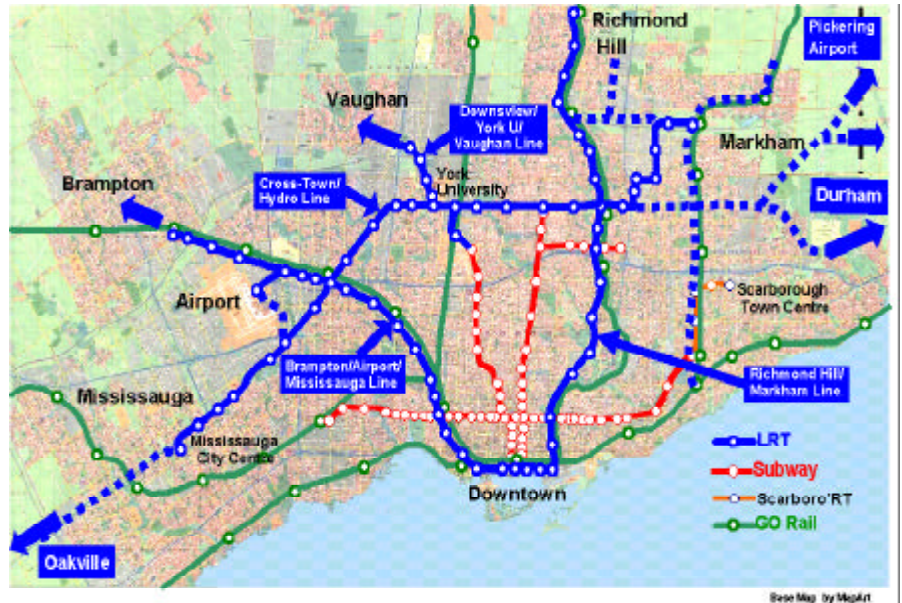
SmartRide LRT

Highway congestion and insufficient or inconvenient transit options make travelling increasingly more time consuming, frustrating and dangerous. LEA Consulting Ltd. is part of the SmartRide LRT team, a private sector group of leading Canadian and international companies developing a solution to the gridlock problem in the GTA .

The SmartRide LRT plan is a smart, practical, cost-effective plan for moving people around the GTA safely, quickly, and in a way that will benefit our air quality and health. Light Rail Transit trains are powered by electricity and operate on a dedicated right-of-way. LRT is the transit option of choice for large cities around the world as it provides riders with convenience, speed, safety, and environmental benefits. It has prompted drivers to leave their cars at home and travel by public transit.

Through an innovative public-private partnership with the Province of Ontario, the SmartRide team is proposing to develop a 106 kilometre LRT network over the next 10 years. The network will make use of existing rail and hydro corridors in the region, and will connect to other transit systems such as the TTC and GO Transit. SmartRide LRT will provide a seamless and efficient transit network truly competitive with the automobile.

SmartRide LRT has been designed to accommodate the needs of the GTA population based on detailed travel demand and population studies, which project the population to grow to 8 million by 2026. An investment in the SmartRide LRT is an investment in our future.



The SmartRide LRT plan is a higher order, higher speed, but affordable urban transit system operating essentially at grade using existing railway and hydro corridors. As illustrated above, SmartRide LRT can be fully integrated with the existing subway, GO, bus, and streetcar networks.



Left: An LRT vehicle from Barcelona, Spain. Vehicles have low floors with 2-4 cars per train, operating at a frequency of every 5-8 minutes.

LRT: GTA's solution to gridlock

- LRT is powered by electricity using the latest technology.
- A modern LRT vehicle provides air-conditioning, very low noise levels, and a comfortable ride.
- There are approximately 350 LRT systems worldwide.
- LRT is the best choice for medium and lower density applications.
- LRT ridership consistently exceeds projections, and draws commuters away from the automobile.

PROJECT SUMMARY

SmartRide LRT Consortium:

**AECON,
ALSTOM,
BOREALIS,
AON,
LEA Consulting Ltd.**

Location:

Greater Toronto Area, Canada

Services Provided:

**Transit Planning &
Engineering,
Transit Signal Priority
Preliminary Design,
Project Management**



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