

CANADA LINE FACT SHEET

FACT SHEET No. 26 | April 5, 2007



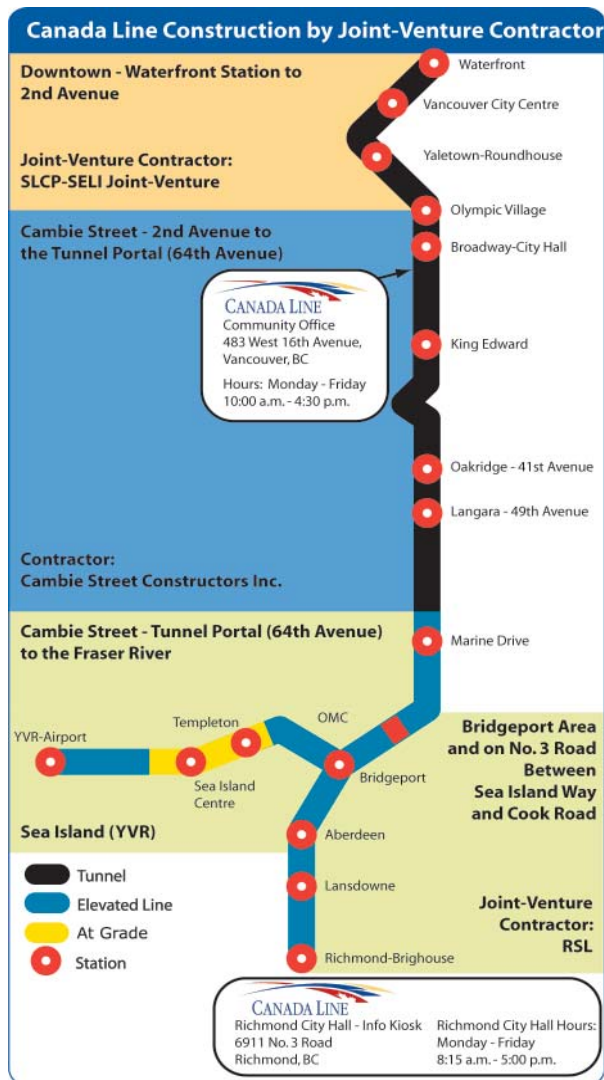
Providing residents, businesses and the public with regular project updates. To receive these bulletins by email, sign-up online:

www.canadaline.ca

Canada Line Construction Quick Facts

Did you know?

- The Canada Line is an automated light metro system that is approximately 19 km long.
- Construction began in September 2005 with completion slated for November 30, 2009.
- Crosses 3 water ways (2 bridges: North Arm and Middle Arm Bridge over the Fraser River; Twin bored tunnels: under False Creek).
- The North Arm Bridge will be the first extradosed bridge completed in North America, and the first rapid transit bridge combined with a dedicated pedestrian/bike access in the Lower Mainland.
- The Canada Line employs more than 1,500 workers.
- To build, the Canada Line Project will require approximately 350,000 m³ of concrete, more than 40 million kg of rebar and 25,000 m of temporary safety/security fencing.



The Canada Line is built with a combination of bored tunnel, cut-and-cover tunnel, and elevated guideway construction methods:

Bored Tunnel Construction

- Joint-Venture Contractor: SLCP-SELI Joint-Venture
- Length: 2.5 km (twin bored tunnels)
- Approximately 20,000 concrete lining segments are needed to build the twin bored tunnels.
- This is the first time an Earth-Pressure-Balance (EPB) Tunnel Boring Machine (TBM) has been used in British Columbia.
- Over 140,000 m³ of muck will be excavated for the bored tunnels.
- The depth of the bored tunnel varies between 10 - 30 m.

Cut-and-Cover Tunnel Construction

- Contractor: Cambie Street Constructors Inc.
- Length: 6.6 km (combined side-by-side and stacked tunnel method)
- Approximately 400 tunnel form concrete pours will be required to build the cut-and-cover tunnel.
- The depth of the cut-and-cover tunnel varies between 6-14 m.

Elevated/At-grade Guideway Construction

- Joint-Venture Contractor: RSL
- Length: 10 km (elevated: 8 km; at-grade: 2 km)
- Built with concrete columns and a combination of precast single-track and dual-track concrete segments.
- Each pre-cast concrete segment is unique and has been poured to fit in its exact place.
- On average, each span is composed of twelve concrete segments.
- Concrete segments weigh an average between 18 and 39 tonnes (depending on single or double track). As a result, each span is approximately 342 tonnes of concrete and steel!

Station Construction

- 16 Canada Line Stations (8 underground, 2 at-grade and 6 elevated stations)
- Station construction schedules vary depending upon the size and complexity of the location. In general, elevated stations will take 15 to 21 months to build, while underground stations will take 18 to 24 months.

Following Canada Line construction, the road surface will be restored in collaboration with the Cities of Vancouver and Richmond, and Vancouver Airport Authority.

InTransitBC's Community Liaison Program

As part of its Community Liaison initiatives, InTransitBC has a Community Liaison Officer (CLO) for Vancouver, and a CLO for Richmond and YVR. The CLO's are responsible for the day-to-day community outreach along the Canada Line and will work with businesses, residents and the public-at-large to establish and maintain strong relationships, and create shared understanding about the construction impacts of the Canada Line.

Community Liaison Officer for Vancouver: 604-605-5998
Community Liaison Officer for Richmond and YVR: 604-605-4978

In addition, the public can access construction and traffic management information through the 24-hour information line at 604-608-0200. To learn more and sign up to receive regular traffic and construction updates, please visit the Canada Line Project online at www.canadaline.ca.

Canada Line Rapid Transit Inc. (CLCO) has an active Business Liaison Program that works in collaboration with InTransitBC's community liaison initiatives. For more information, please contact CLCO at 604-484-6700 or visit the Canada Line Project web site.

Safety

Being aware is being safe, so please ensure you use caution when travelling through a construction zone and adhere to posted speed limits.

About the Canada Line Project

The Canada Line rapid transit system will run fully separated from traffic between the transportation hub at Waterfront Centre in Vancouver, the heart of Richmond's civic precinct, and Vancouver Airport. With 16 stations, two bridges, almost 19 km of tunnel and elevated guideway, parking and bus facilities, and transit capacity equivalent to 10 road lanes, the Canada Line will be an important new link in the regional transportation network.

The Government of Canada and the Government of British Columbia, the Greater Vancouver Transportation Authority (TransLink), and Vancouver Airport Authority are funding the Canada Line, which is also supported by the Cities of Vancouver and Richmond. The project is overseen by Canada Line Rapid Transit Inc. (CLCO), a subsidiary of TransLink. The Canada Line is being designed, built, operated, maintained and partially financed by InTransitBC.



Bored Tunnel Construction



Cut-and-Cover Tunnel Construction



Elevated Guideway Construction

Learn More / Share Your Thoughts:

✉ info@canadaline.ca

For Construction Information:

For Project Information:

🌐 www.canadaline.ca

📞 604.608.0200

📞 604.484.6700

📠 604.484.6799

📄 Canada Line Rapid Transit Inc.

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