

Broadway Subway Project

An extension of the Millennium Line

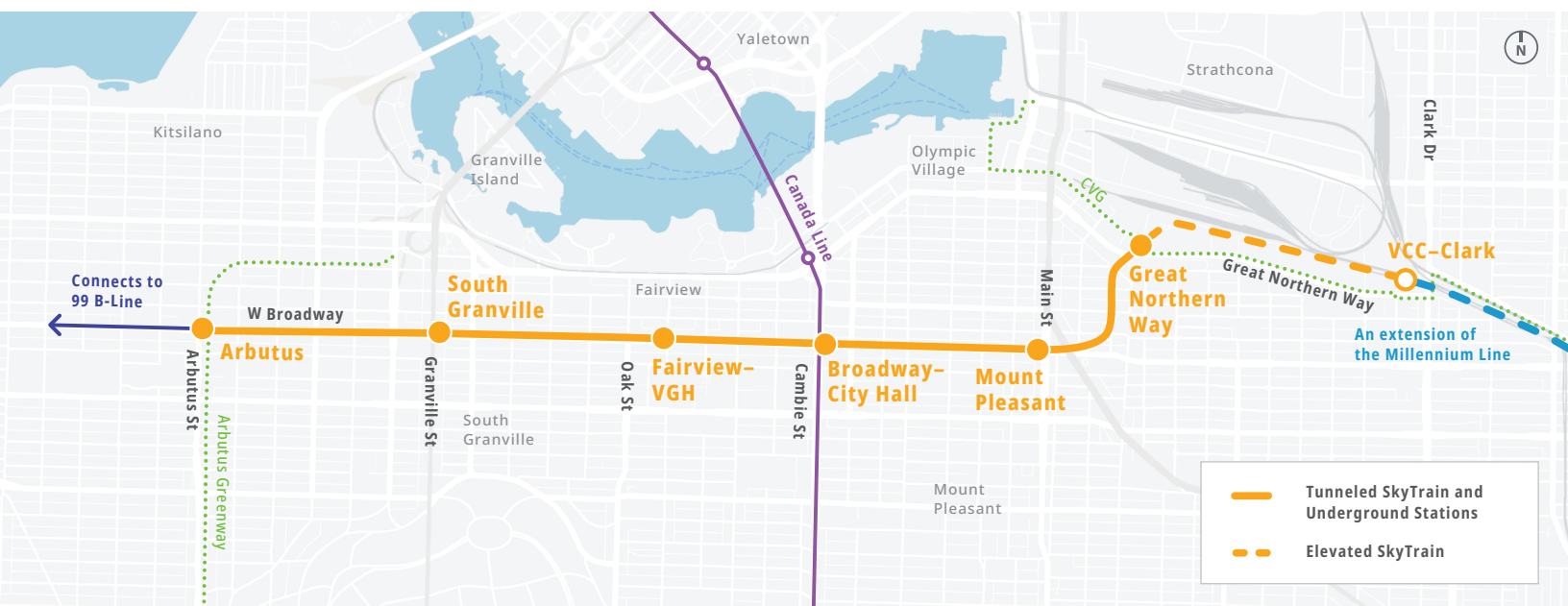
The Broadway Subway Project team is committed to continually engaging and communicating with stakeholders before and throughout construction. This package has been developed to provide a summary of key information about the Project as of April 2020.

1.1 PROJECT DESCRIPTION

The Broadway Subway Project is a 5.7 km extension of the Millennium Line, from VCC–Clark Station to Broadway and Arbutus. It includes six new underground stations, and will provide fast, frequent, reliable SkyTrain service to B.C.'s second-largest jobs centre, world class health services, an emerging innovation and research hub, and growing residential neighbourhoods.

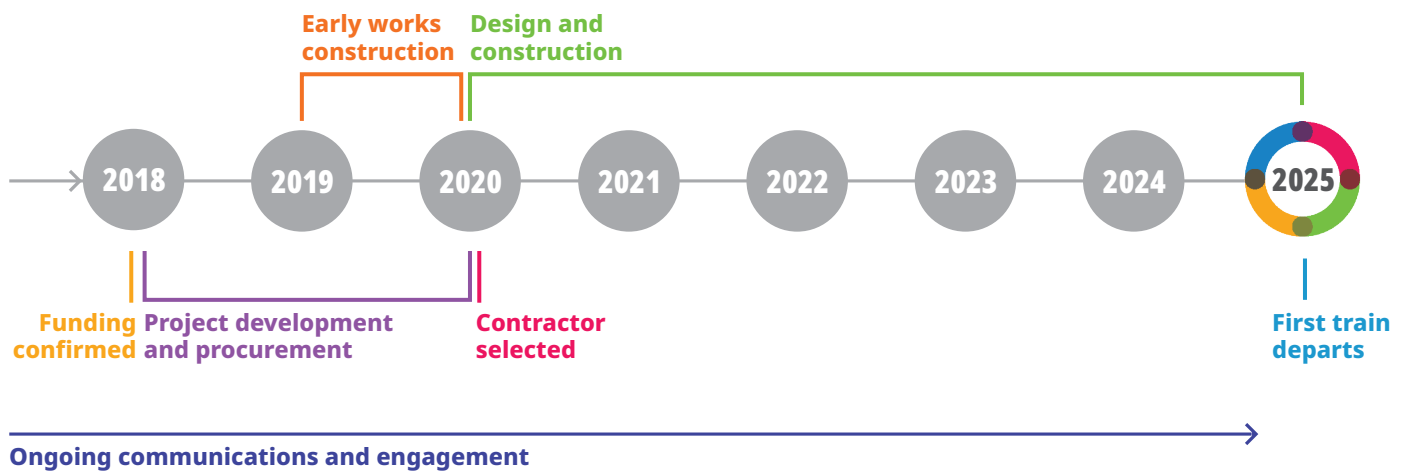
Once in service, the trip from VCC–Clark Station to Arbutus Station will take 11 minutes, saving the average transit commuter almost 30 minutes a day and relieving congestion along Broadway.

The Broadway Subway Project budget is \$2.83 billion, funded and delivered by the Government of B.C., with contributions from the Government of Canada and the City of Vancouver.



Map of the proposed Project alignment. Station names are interim and not considered final at this time.

1.2 PROJECT TIMELINE



Where we are now

Early works construction to relocate trolley wires and utilities started in February 2019 and is well underway to ensure ongoing public and worker safety during subway construction. The Project is undergoing a competitive selection process to identify a contractor to design and build the rapid transit line. More detailed information about construction timing and methodology will be available once the contractor is selected in mid-2020.

1.3 PROCUREMENT PROCESS

The Broadway Subway Project is a Design, Build, Finance (DBF) contract. A Request for Qualifications (RFQ) for the project was issued in February 2019 and three pre-qualified bidding teams were selected to participate in the Request for Proposals (RFP) stage. Upon completion of this stage, a Contractor will be selected in mid-2020 to design, build and finance construction of the Project.

During Project construction, the Broadway Subway Project team will oversee the delivery of the Project by the Contractor.

Once complete, the Project will be operated and maintained by TransLink.

1.4 CONSTRUCTION

Construction is anticipated to begin in the fall of 2020, with the line in service in 2025. The majority of the line will be constructed using underground tunneling methods. Street-level construction and excavation can be expected at locations where stations will be built, as well as at each end of the line.

Construction Staging and Storage

Construction is anticipated to begin in the fall of 2020, with the line in service in 2025. The majority of the line will be constructed using underground tunneling methods. Street-level construction and excavation can be expected at locations where stations will be built, as well as at each end of the line.

Station Construction

Construction of each underground station is anticipated to take approximately two years and is expected to include approximately one block of excavation, which will be covered to allow traffic to move through the corridor in both directions.

Details about construction timing and methods will be determined once a Contractor has been selected, but at each station location, we anticipate the following construction activities:

- › Utility relocations
- › Construction staging and storage
- › Construction of underground station infrastructure such as the concrete structure, tracks, platforms, escalators and elevators
- › Construction of station entrances and outdoor plazas, including sidewalks, landscaping and other project completion work.

Great Northern Way Tunnel Portal

Construction at the tunnel portal near Great Northern Way and Thornton Street will be active throughout construction.

Community Benefits Agreement

The Project will be built using a Community Benefits Agreement to help employ locals, women, Indigenous people and others traditionally underrepresented in the trades, and increase B.C.'s skilled and diverse workforce.

Find more information on the Community Benefits Agreement online at:

<https://engage.gov.bc.ca/app/uploads/sites/396/2019/04/July-2018-Community-Benefits-Agreement.pdf>



1.5 TRAFFIC

Ensuring effective traffic management as well as business, office and residential access during construction is a priority for the Broadway Subway Project.

Generally, there will be three lanes of traffic in each direction along Broadway, with one lane dedicated solely for buses. In station construction areas, generally two lanes of traffic will be maintained in each direction for buses and other vehicles on Broadway, with the exception of Broadway at Main Street. The right-of-way on Broadway at Main Street is narrower with less room for station construction, which may result in more significant traffic impacts during underground station construction.

Other key points to note regarding traffic management for the duration of the project:

- › Priority will be given to emergency vehicles and buses during construction. Along Broadway, buses move 100,000 people per day, compared to 30,000 in cars.
- › Safe pedestrian access, including access for people of all abilities, will be maintained to local businesses, schools, residences and medical services.
- › The 10th Avenue cycling route will be maintained. During construction, the Project will reroute sections of the Arbutus and Central Valley greenways to safe cycling detour routes.
- › Access for vehicles, buses and emergency services will be maintained to local businesses, residences and medical services.
- › The number 9 and 99 bus service will continue along Broadway throughout construction. Trolley bus routes 14, 16 and 17 will be relocated to adjacent streets in 2020 to keep buses, people and traffic moving during construction.

1.6 PARKING

Currently, parking is restricted on Broadway for about seven hours each weekday, in the morning and afternoon peak periods, with the curb lane dedicated to buses, taxis and cyclists. We anticipate this will be extended 24/7 to support the efficient movement of buses and all traffic throughout the construction period. The Broadway Subway Project is working with the City of Vancouver to develop a parking management plan to address residential and business parking needs. Key points to note regarding parking along the Broadway corridor:

- › A previous study suggests there is capacity on adjacent streets and in off-street parking lots to accommodate parking that currently occurs on Broadway.
- › The City is further studying parking between Yew Street and Kingsway along 8th Avenue, Broadway and 10th Avenue as well as all north-south streets in this area. This includes:
 - › Parking on adjacent streets
 - › Surface and underground parking lots
- › The Project team will work with the City to engage with schools, local businesses, and residents about their parking needs and alternatives. Adjustments to parking regulations, designations or times will be considered as needed.
- › Before and during construction, the Project team, with support from the City and TransLink, will work with schools, local businesses, offices and the medical district to identify alternative transportation and local parking options. We will also help them communicate this information to their employees, customers and visitors.
- › We'll also make information available on the Broadway Subway Project website, on the City of Vancouver's VanConnect, social media channels and through wayfinding signage.



1.7 ENVIRONMENTAL & SOCIO-ECONOMIC REVIEW

The Broadway Subway Project team undertook an Environmental and Socio-Economic Review (ESR) to understand potential environmental and socio-economic impacts and develop ways to mitigate the impacts.

Environmental & Socio-Economic Review Process

This process provided opportunities for consultation with Indigenous groups, the public, stakeholders, and government agencies on the scope of the Review. The scope of the ESR included:

- › Noise
- › Vibration
- › Air Quality/GHG
- › Contaminated Sites/Excavated Materials
- › Archaeological and Heritage Resources
- › Transportation and Access
- › Housing and Property
- › Electric and Magnetic Fields
- › Aquatic Resources
- › Vegetation and Wildlife

Environmental & Socio-Economic Review Findings

A key output of the ESR are measures that will be undertaken to address potential environmental and socio-economic effects during construction. Examples include:

- › Requirement for the Contractor to develop and implement a Construction Environmental Management Plan (CEMP), including specific measures to mitigate effects on environmental and socio-economic conditions.
- › The Ministry of Transportation and Infrastructure will provide oversight of CEMP implementation, including mitigation measures.

Construction-related mitigation throughout the duration of the project include:

- › Advance notice to schools, local businesses and residents identifying upcoming construction activities and timing.
- › Measures to manage dust and emissions from construction vehicles and equipment.
- › Site/activity-specific measures to minimize construction noise and vibration, where possible.
- › Where feasible, measures to minimize light spill during construction.
- › Pre-construction vibration monitoring including building condition assessments.
- › Noise and vibration monitoring during construction.

The ESR determined that potential effects, like most other urban development projects, can and will be mitigated or managed. The Broadway Subway Project will have an overall positive benefit on the environment, health and affordability in the region.

The final ESR Report and Executive Summary are available online at:

<https://engage.gov.bc.ca/broadwaysubway/document-library/>

1.8 FREQUENTLY ASKED QUESTIONS

1. Why is this project needed?

The Broadway Subway will replace the 99 B-Line bus route to Arbutus Street. The 99 B-Line route is the busiest bus route in Canada and the U.S. and can no longer effectively meet demand. Buses get caught in traffic congestion and people are often passed up by full buses.

2. Why are you not going all the way to UBC and stopping at Arbutus?

The current, approved project extends the line between VCC-Clark and Arbutus which was identified as a priority by the Mayors' Council and follows years of technical study and consultation. Future projects will be considered, and any additional investment would require cooperation and cost sharing from all levels of government – provincial, federal and local. In the meantime, the Arbutus Street terminus will be designed to allow for future rapid transit expansion to UBC.

3. Will this project use the same construction method as the Canada Line project?

No – the majority of the Broadway Subway Project will be constructed by underground tunneling methods to reduce disruption.

Street-level construction can be expected in areas and blocks where stations will be constructed, and at each end of the line. There will be excavation required to construct the stations, which will be covered to allow traffic to move through the corridor. Pedestrian access will also be maintained.

4. I commute along Broadway. Will construction mean it takes me longer to get to work or school?

We will maintain traffic on Broadway throughout construction; however, construction will likely impact how long it takes to move through the corridor. Priority will be given to the 99 and 9 bus service, and emergency vehicles, throughout construction. Buses move 100,000 people per day, while vehicles move 30,000.

We will provide ongoing updates about any construction-related changes to local businesses, offices and the public in advance, through traffic news outlets, social media and our website.

5. What construction impacts can I expect?

The project will be mainly constructed using underground tunneling methods.

Construction timing and methods will be determined by the Contractor, who will be selected in mid-2020. We will share more information about construction timing, methods, impacts and mitigation after the Contractor is selected.

6. What are the hours of work for Project construction?

The construction schedule is five years. To meet that schedule, hours of work will be longer than typical development projects.

Once the contractor is on board, we'll have more information about hours and will notify local businesses and residences about potential impacts and mitigation during construction.

7. Where are the station locations?

The Broadway Subway will connect businesses, jobs, communities and people with six new underground stations at:

- › Great Northern Way: on the east side of Thornton Street, just north of Great Northern Way
- › Mount Pleasant: at the southwest corner of Broadway and Main Street
- › Broadway–City Hall: using the existing entrance to the Canada Line at the southeast corner of Broadway and Cambie Street
- › Fairview–VGH: on the southwest corner of Broadway and Laurel Street, near Oak Street
- › South Granville: on the northeast corner of Broadway and Granville Street
- › Arbutus: at the northeast corner of Broadway and Arbutus Street.

Note, interim station names were chosen for wayfinding purposes and are not considered final at this time.

1.9 CONTACT US

For more information on the Broadway Subway Project, we can be contacted through the following channels:



Visit **engage.gov.bc.ca/broadwaysubway**



Email **broadwaysubway@gov.bc.ca**



Drop by our **Community Office***

- › 1212 W Broadway
Vancouver, BC V6H 3V1
- › Open Mondays, Wednesdays and Thursdays from
9 a.m. to 5 p.m.**



Call our 24/7 construction information line at **1-844-815-6114**,
or our Community Office at **778-572-3544**



Find us on **social media**

- › Twitter @TranBC
- › Instagram @MinistryofTranBC
- › Facebook @TranBC

**Please note that the Community Office is temporarily closed as of spring 2020 due to COVID-19. Should you wish to contact the Project during this time, please email us or call our 24/7 construction information line.

*Once construction is underway, the Community Office will be open five days a week, from 9 a.m. to 5 p.m.

If you would like to receive project updates,
please visit the Project website at
engage.gov.bc.ca/broadwaysubway.