

Self-Guided Walking Tour

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

TOUR SUMMARY

Our recommended tour visits 10 sites between VCC-Clark Station and Arbutus Station and takes approximately two hours. You can also select fewer sites for a shorter tour.

SAFETY

This tour takes place on public streets, sidewalks and greenways that are shared with other road users. Some greenways are shared with cyclists. Watch for cyclists, vehicles and other pedestrians when travelling, and be careful not to block sidewalk access to others. Use caution near active construction sites. Stay outside of construction sites and do not climb on construction fencing or equipment.

ACCESSIBILITY

This tour is accessible to people of all abilities. Some sections involve hills. Watch for uneven pavement, ramps and connections between different surfaces.

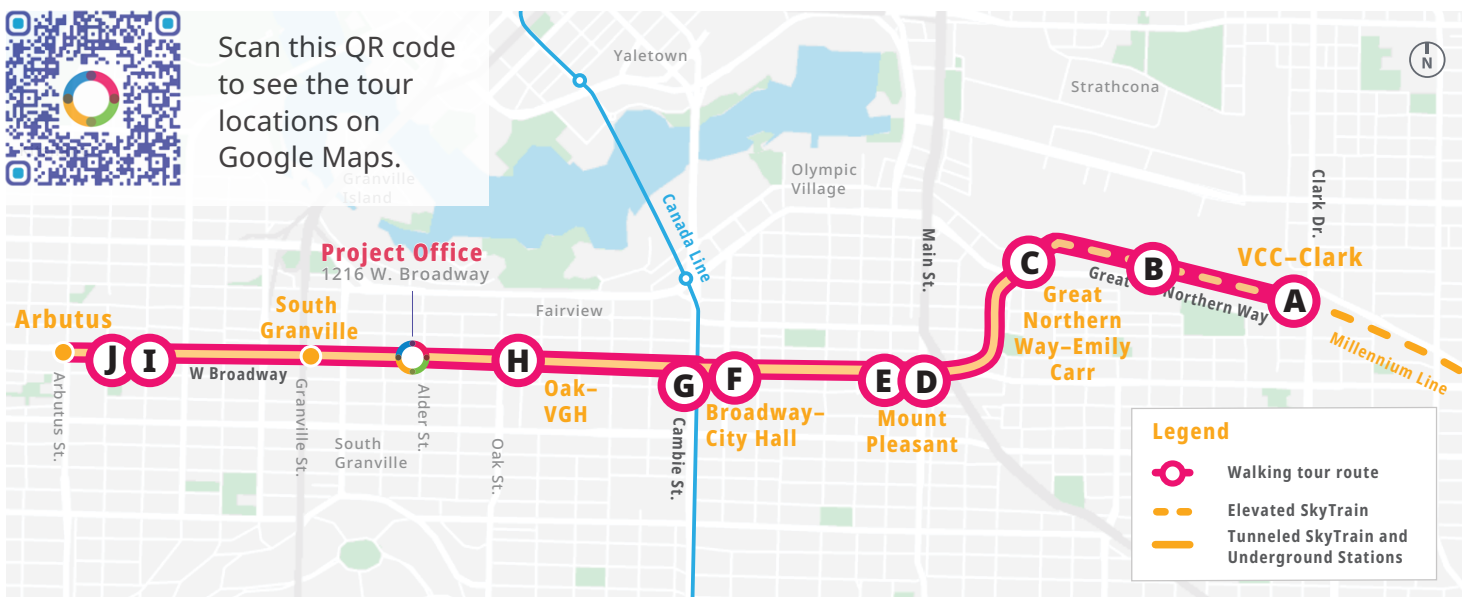
A START OF BROADWAY SUBWAY SELF-GUIDED WALKING TOUR AT VCC-CLARK STATION

What you'll see

Begin your tour at the entrance to VCC-Clark SkyTrain Station. Look across the street to the bus loop to see the completed Millennium Line elevated guideway. This is what the completed Broadway Subway elevated guideway will look like!

Next stop

Turn left and walk to E. 6th Avenue, then turn right. E. 6th Avenue becomes Great Northern Way after Glen Drive. Our next stop is two blocks from VCC-Clark Station at the green space at Foley Street and Great Northern Way.





B VIEW OF THE ELEVATED GUIDEWAY FROM FOLEY STREET

What you'll see

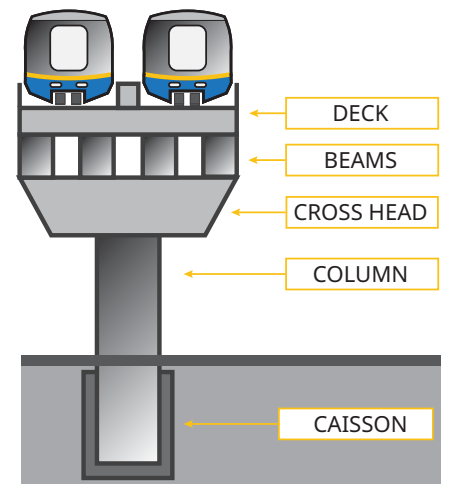
Construction of the elevated section of the Broadway Subway Project, which will be 700 metres long and connect the current Millennium Line terminus of VCC-Clark Station to the future Great Northern Way-Emily Carr Station. You may see sections of SkyTrain rail for the tracks on site awaiting installation, or track installation on the elevated guideway.

More info: The elevated guideway is made up of different parts. First, crews drill into the ground and build a foundation, called the caisson. The column is prepared and poured with concrete, then topped with the crosshead, which will support the elevated guideway structure. Pre-cast concrete beams then connect the columns together to form the guideway structure, with trains running on a deck above. The infographic to the right shows a cross section of the design. Once the deck is complete, SkyTrain tracks are installed along with walkways and supporting systems.

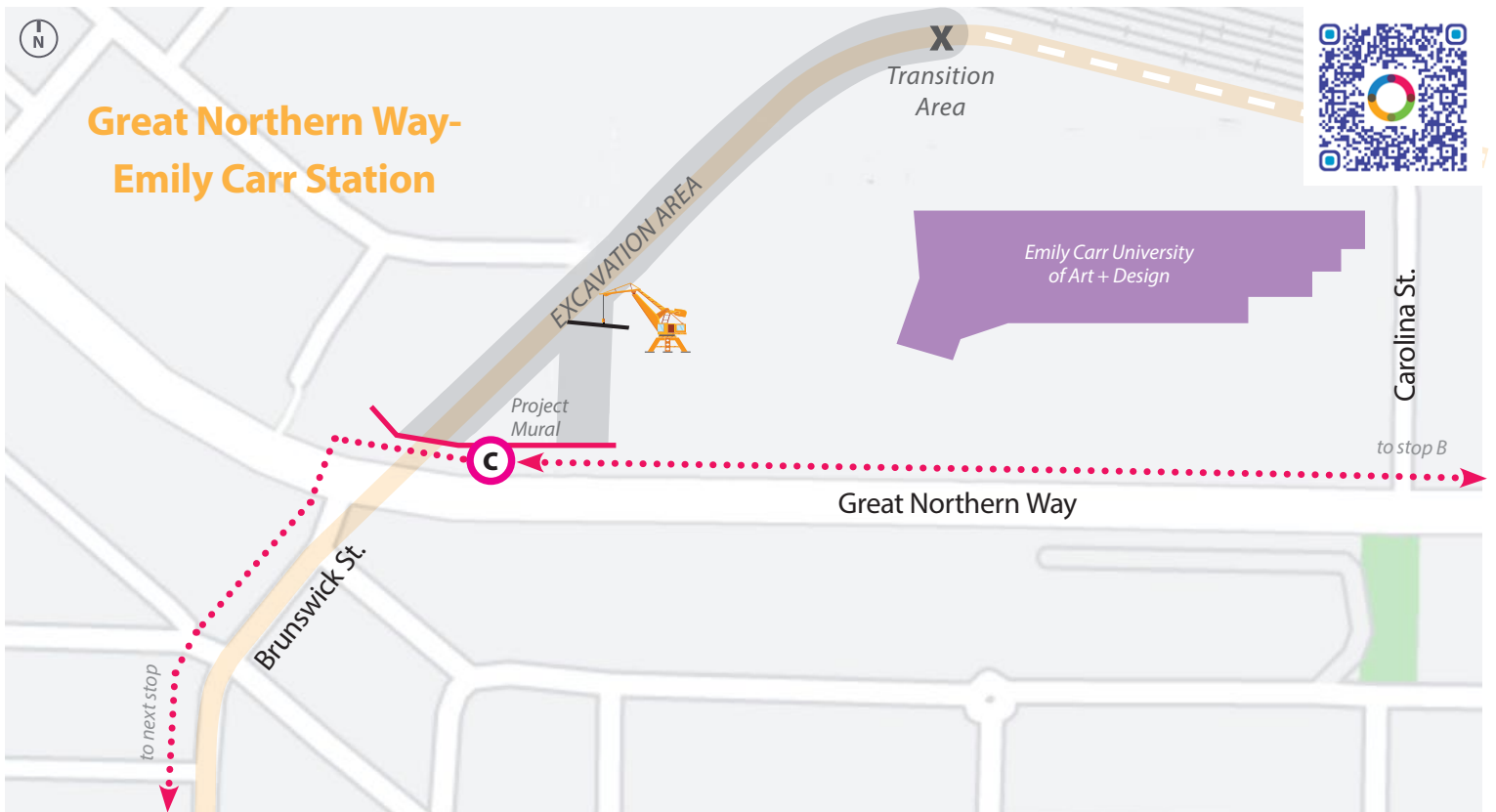
Fun fact: The elevated guideway includes 21 columns, linked by 106 beams.

Next stop

Continue along Great Northern Way. Walk until you see construction fencing with a mural, about three blocks.



While you're here: a variety of businesses including food services and art gallery space can be found along Great Northern Way.



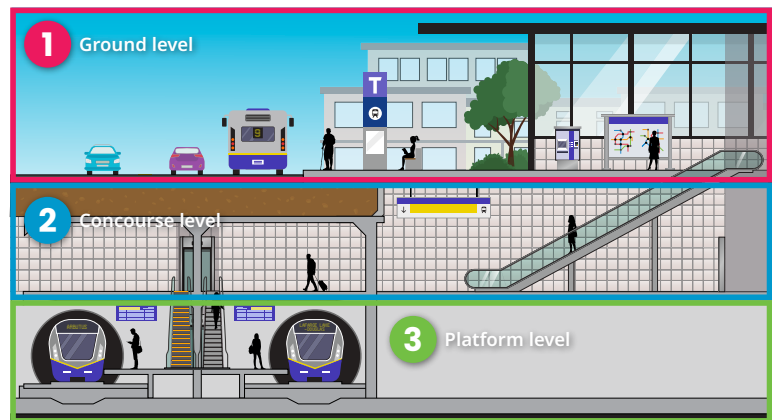
C VIEW OF GREAT NORTHERN WAY-EMILY CARR STATION FROM GREAT NORTHERN WAY

What you'll see

A large mural displaying various construction activities and equipment covering a significant portion of the construction fencing along Great Northern Way, with multiple viewing windows to give you a view into the construction site. You can stand directly over top of the tunnels, which begin at the southwest end of the site and head towards Mount Pleasant. Look through the viewing windows to see construction of the concrete station structure. The station entrance building is under construction to the right, at an angle to the future SkyTrain platform.

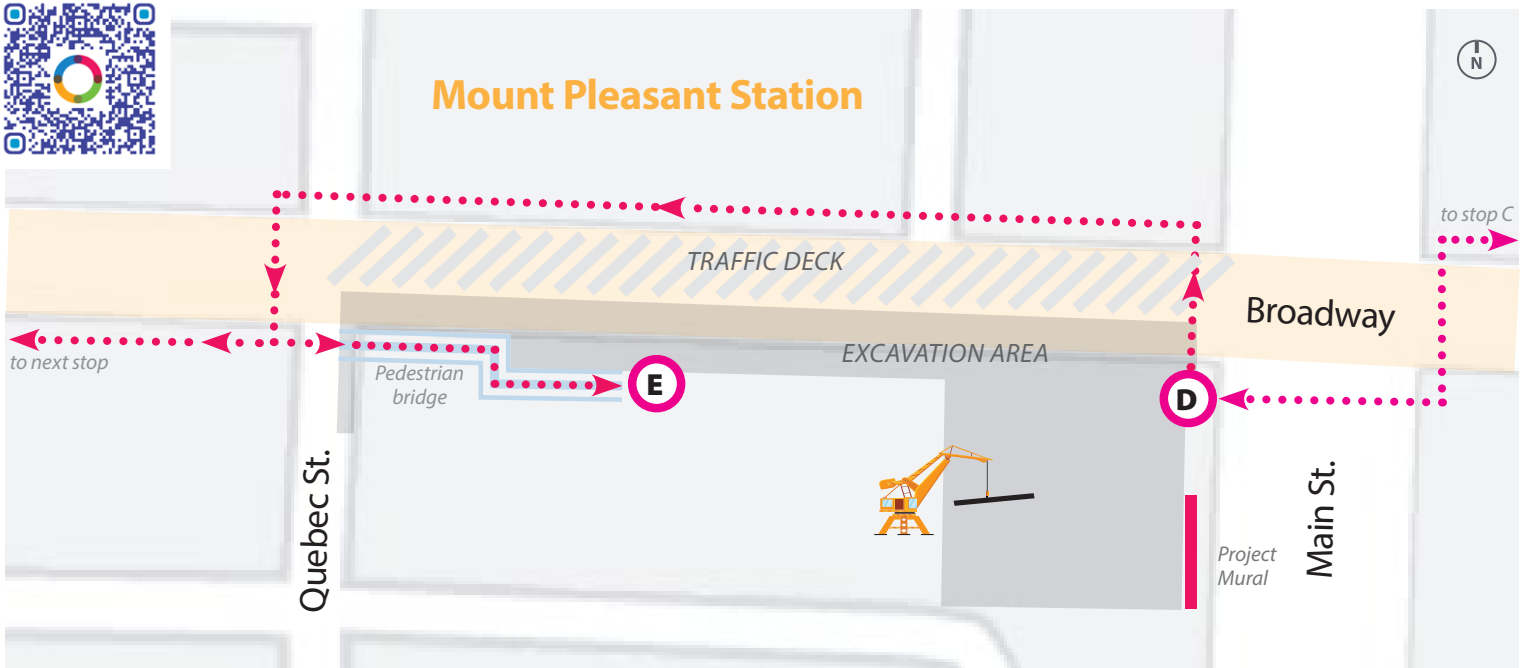
All future stations will have three levels: the platform level, where people will board trains; the ground level, where people will enter the station; and the concourse-level in the middle to connect the two. On the far side of the site, you can see where the track will transition from the elevated guideway to the below-ground station.

Fun fact: Approximately 245,000 cubic metres of material was excavated through the tunnels on the conveyer system.



Next stop

Follow Great Northern Way until the next traffic light at Brunswick Street. Cross Great Northern Way and follow Brunswick Street five blocks to Broadway, then turn right and walk three blocks to Main Street. You're walking above the new SkyTrain tunnels!



D **VIEW OF MOUNT PLEASANT STATION**
 Location: Southwest corner of Main Street and Broadway

What you'll see

Here you can see into the future Mount Pleasant Station. Look for workers and equipment building the station while the tower crane lifts materials into the site. Look to Broadway on your right: can you see the temporary traffic deck above the excavation that allows vehicles and pedestrians to move over the site while construction continues below? The train platform will be located under Broadway, while escalators and elevators

will lead passengers up to the station entrance building (headhouse), located to your left, on the southwest corner of Broadway and Main Street.

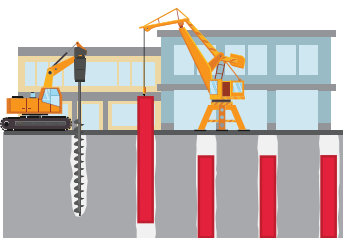
Take a moment to enjoy the mural depicting the history of public transportation in Mount Pleasant on the construction fencing facing Main Street.

Fun fact: Approximately 2.2 million kilograms of rebar will be installed at Mount Pleasant Station!

***BUILDING A TRAFFIC DECK IN 4 STEPS**

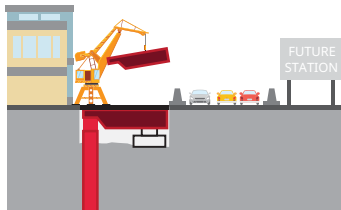
STEP 1

Shift traffic, drill 20m deep, and install steel columns.



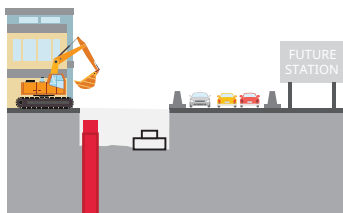
STEP 3

Install and secure steel girders with traffic deck panels on top.



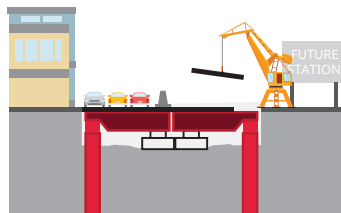
STEP 2

Excavate and place concrete pads to support the structure.



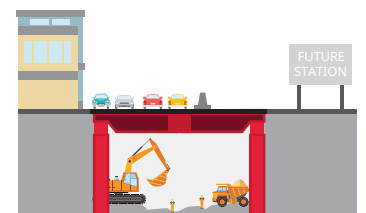
STEP 4

Shift traffic and repeat on the other side of the road.



The 5 completed decks on Broadway

maintain an at-grade, safe and consistent four-lane traffic pattern while construction continues below.



While you're here: Opportunity to stop for lunch or coffee and browse a variety of different shops and services. There are more than 15 restaurants within just one block of Main Street and Broadway!

E VIEW OF MOUNT PLEASANT STATION FROM QUEBEC STREET PEDESTRIAN WALKWAY
104 to 20 E. Broadway

What you'll see

You're standing on a pedestrian bridge directly above the excavated station area! From here, you can see into the work below. You can see construction of interior walls, concrete columns and concourse-level floor, and other activities to build the station. You might also see orange waterproof membranes covering the station walls where concrete hasn't been poured yet. This will help keep the future station dry.

At Quebec Street, crews are constructing two ventilation shafts and an emergency exit. The ventilation shafts will help circulate air through the station with the help of large fans.

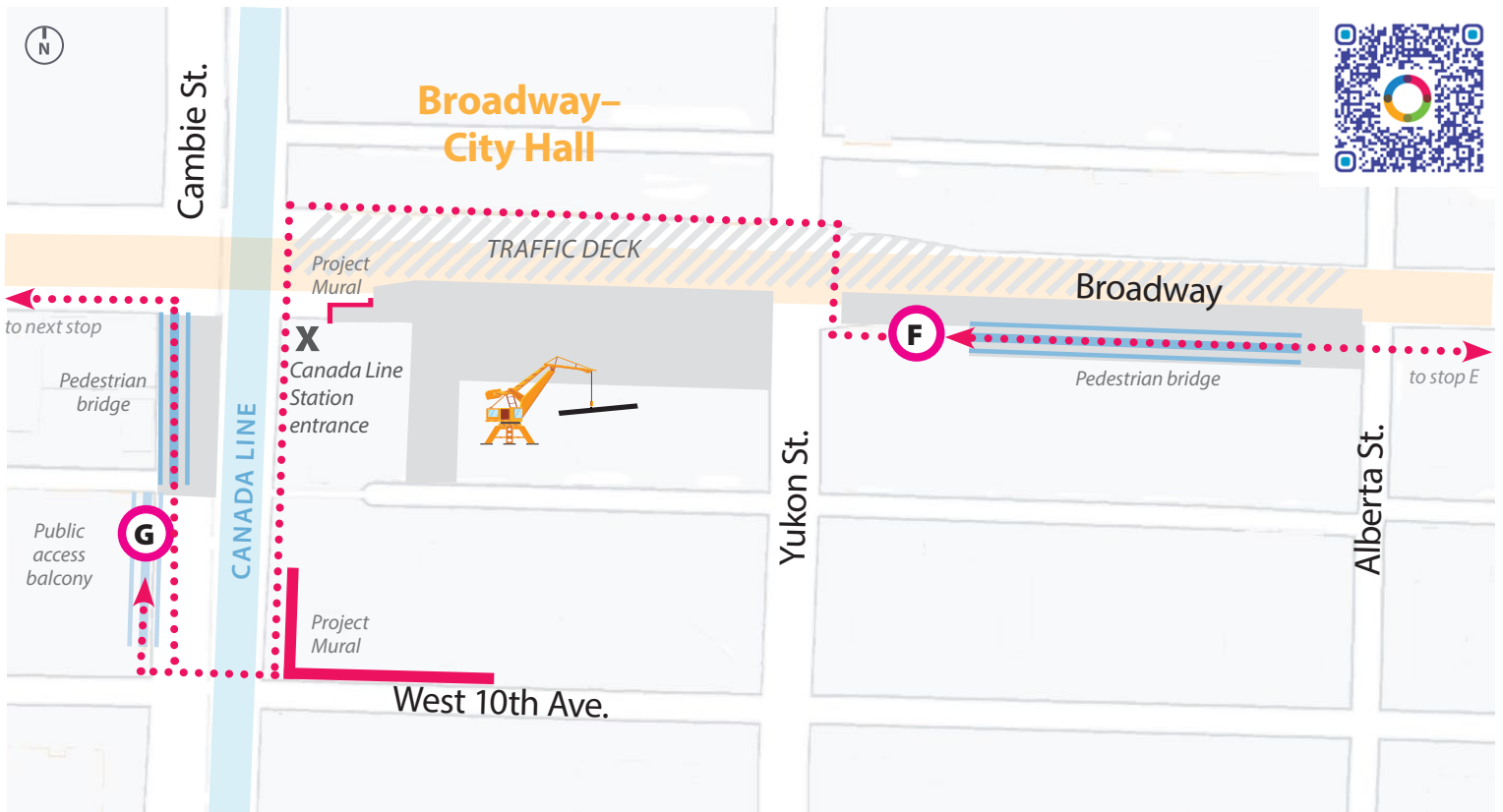
Fun fact: This station is 17.2 metres deep!

Next stop

Trace your steps back along the pedestrian bridge and continue straight down Broadway four blocks until you step on another pedestrian bridge.



Artist's rendering of the future Mount Pleasant Station.



F **VIEW OF BROADWAY-CITY HALL STATION FROM BROADWAY EAST OF YUKON STREET**
 Location: South sidewalk on W. Broadway east of Yukon

What you'll see

As you pass Alberta Street, you will step onto a pedestrian bridge that travels directly above the excavation. The station foundation is more than 20 metres below your feet! Continue walking to the other side of the walkway until you reach Yukon Street.

You're standing next to the easternmost section of the Broadway-City Hall station area. Between Yukon and Alberta, there will be a crossover track that allows trains to switch from one track to the other if needed, similar to the crossover track between Broadway-City Hall Station and Olympic Village Station on the Canada Line. You can see construction of interior walls, concrete columns, concourse-level floor and roof, and other activities to build the station. You might also see orange waterproof

membranes covering the station walls where concrete hasn't been poured yet. This will help keep the future station dry.

The future Millennium Line Station will be located to your left between Yukon and Cambie streets.

On your way to the next stop, check out the two murals at Broadway-City Hall. A mural at Cambie Street and Broadway shares the history of the B-Line and future station design. A mural facing Cambie and 10th Avenue shares children's artwork answering the question "Where will the Broadway Subway take you?"

Fun fact: This is the deepest station on Broadway Subway because the tunnels travel directly underneath the existing Canada Line.

While you're here: Many varied businesses and services line the two-block-long Broadway-City Hall site, with lots of places to shop and eat in the neighbourhood.



VIEW OF BROADWAY-CITY HALL STATION FROM CAMBIE STREET

Location: Public-access balcony walkway next to 501 W. 10th Avenue

What you'll see

The expanded Broadway-City Hall Station will be an interchange station between the existing Canada Line and the Millennium Line. The excavation on Cambie Street south of Broadway will allow for a direct underground connection between the Canada Line southbound platform and the new Millennium Line platform. This area will feature escalators, stairs and an elevator and will enable passengers to transfer directly between the two services underground within the fare-paid zone, as shown in the diagram below.

The excavated area here is 16 metres deep. At the bottom, can you see the entrance to the 24-metre-long

tunnel that passes underneath the Canada Line tracks and connects to the excavation on the other side of Cambie Street.

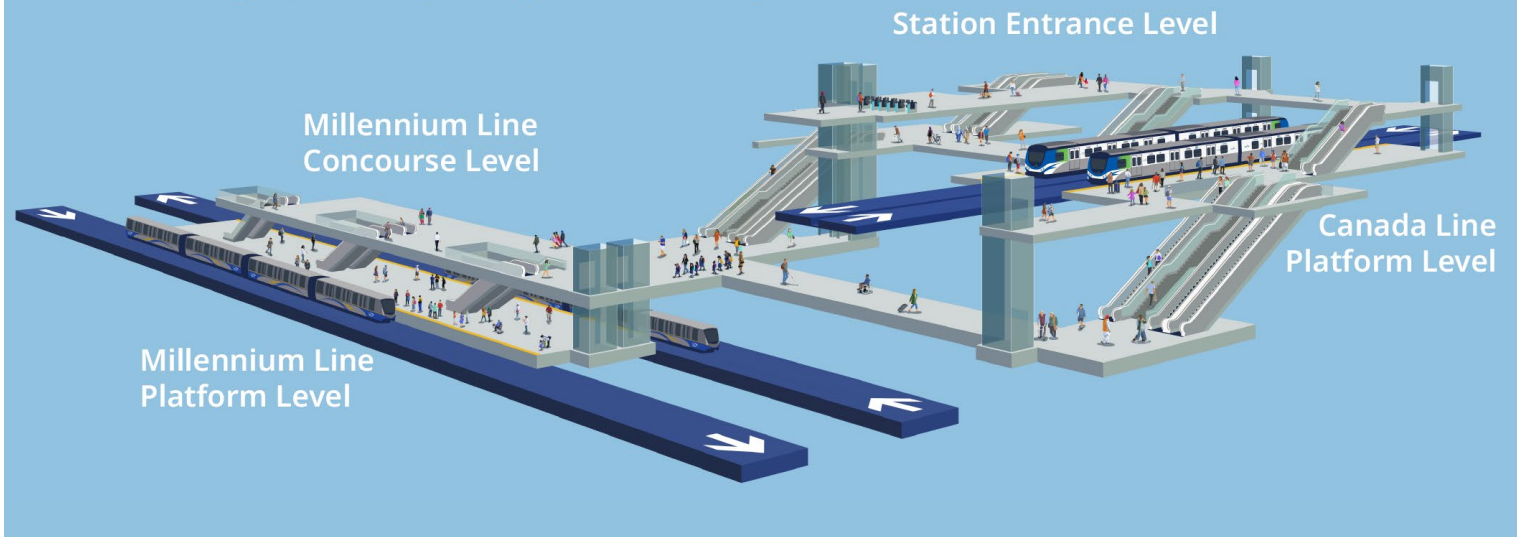
Fun fact: To prepare for the high volume of passengers, we're building five new elevators and extra escalators at the station.

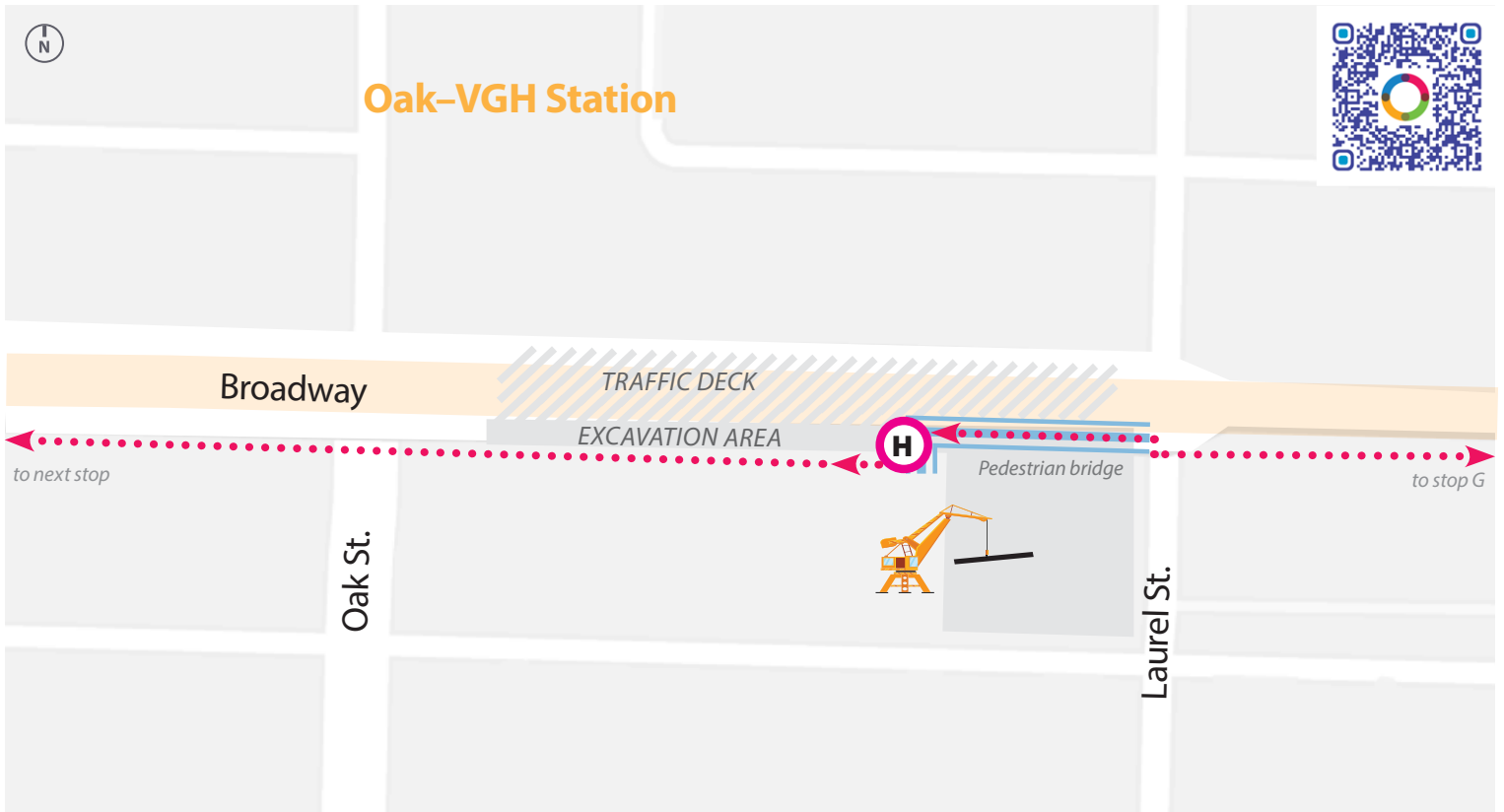
Next stop

Follow Cambie Street north towards Broadway, crossing a pedestrian bridge on the way. Turn left onto Broadway and continue about four and a half blocks. After Laurel Street, you will step onto another pedestrian bridge above the Oak-VGH site. Our next stop is at the far end of that bridge.

HOW THE EXISTING CANADA LINE AND NEWLY EXTENDED MILLENNIUM LINE WILL CONNECT

Artist's rendering of preliminary conceptual station design.





VIEW OF OAK-VGH STATION FROM THE PEDESTRIAN WALKWAY

Location: Pedestrian bridge next to the eastern end of 950 W. Broadway

What you'll see

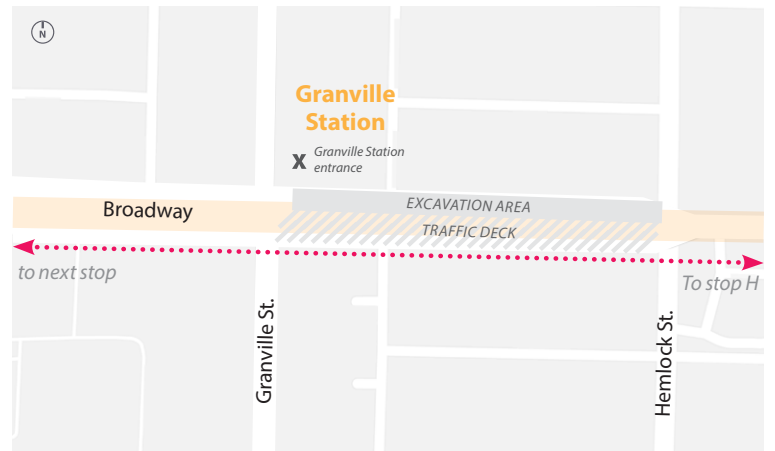
You're standing on a pedestrian bridge directly above the excavated station area! From here, you can see into the work below looking both east and west. You can see construction of interior walls and concrete columns, and other activities to build the station.

You might also see orange waterproof membranes covering the station walls where concrete hasn't been poured yet. This will help keep the future station dry.

Fun fact: The station entrance will be at the corner of W. Broadway and Laurel Street, just one block away from Vancouver General Hospital.

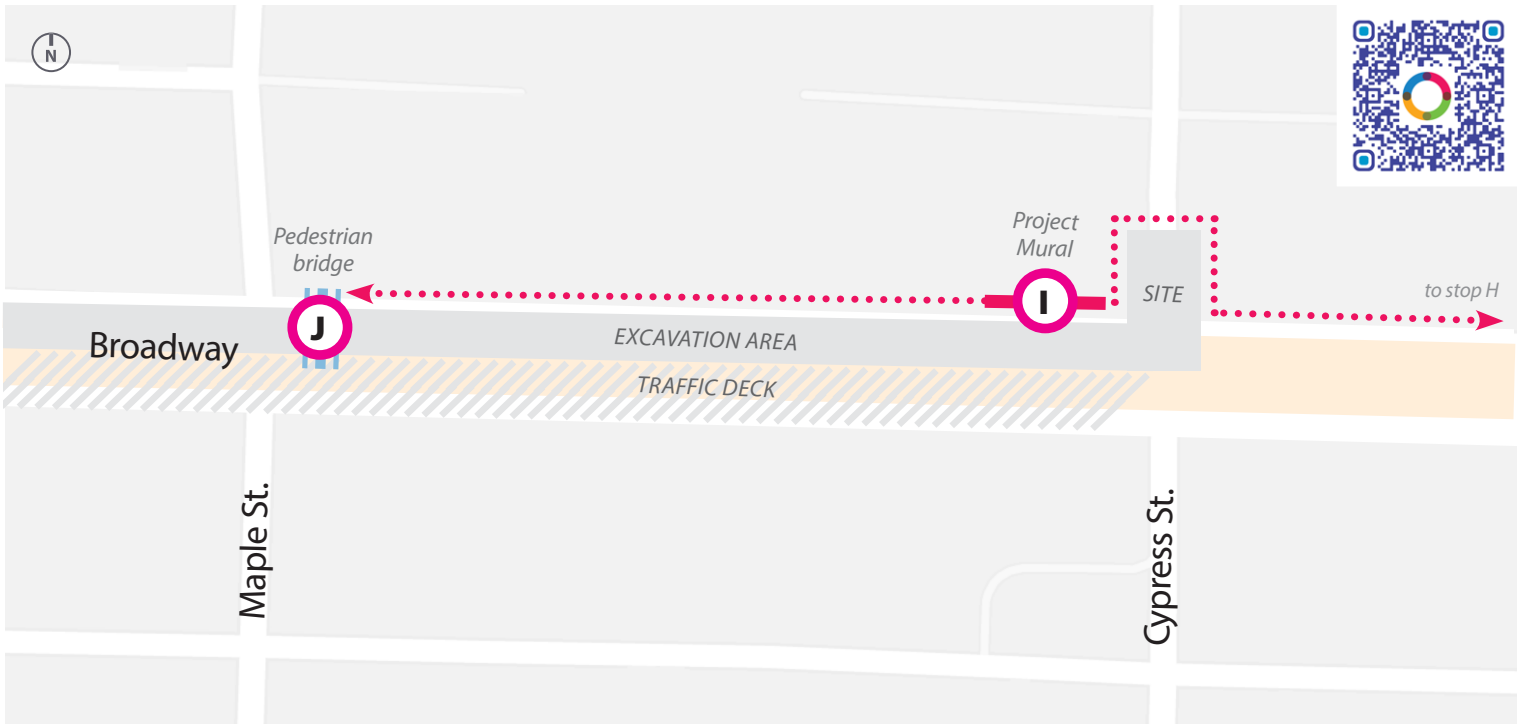
Next stop



Continue walking along W. Broadway. After two blocks, you will pass the Broadway Subway Project Community Office at 1212 W. Broadway (at Alder Street), where you can speak to a representative on Mondays and Wednesdays between 9 a.m. and 5 p.m, or use the QR codes in the window to view online material.



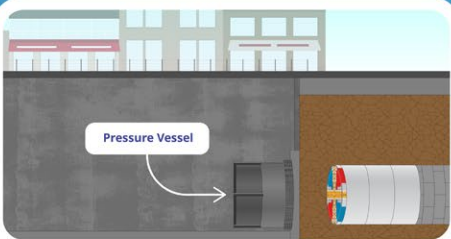
Keep going west along W. Broadway. After two more blocks, you will pass Hemlock Street and see construction of the future South Granville Station. The station entrance is integrated into the mixed-use building under construction at the northeast corner of W. Broadway and Granville Street, visible from the across the street. However, there isn't currently a good view of the underground portion of the station

From Granville, continue three more blocks west until you reach Burrard Street, crossing W. Broadway here to the north side. From Burrard Street, continue one block further west along W. Broadway, continuing around and past the construction site at Cypress Street to the other side, until you see a mural with two viewing windows on the construction site fencing on your left.




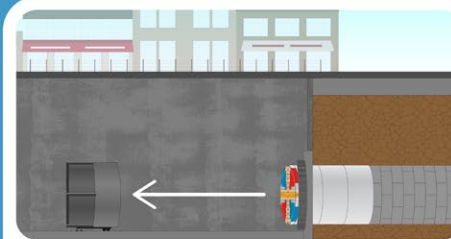
TUNNEL BORING MACHINE DISASSEMBLY



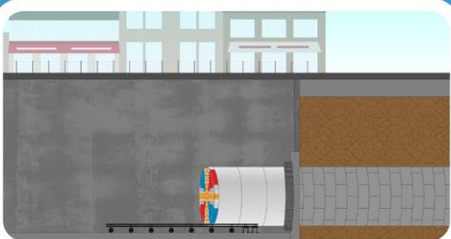
STEP 1 A pressure vessel is installed.



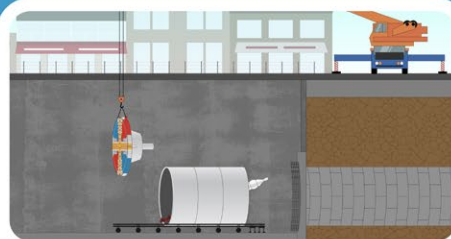
STEP 2 The TBM breaks through into the vessel, while pressure is maintained.




STEP 3 The pressure vessel is removed from the wall.



STEP 4 The TBM moves forward on rails, placing the final tunnel liner rings.



STEP 5 The TBM is disassembled and removed by crane.



STEP 6 TBM pieces are loaded onto trucks and taken away for recycling or refurbishment.



VIEW OF TBM DISASSEMBLY AT BROADWAY AND CYPRESS

Location: W. Broadway at northwest corner of the intersection with Cypress Street

What you'll see

A small mural with two viewing windows to see into the site. This is the destination of the two tunnel boring machines, Phyllis and Elsie, that created the twin five-kilometre-long tunnels that begin at the future Great Northern Way-Emily Carr Station. Here, the TBMs are disassembled and extracted using the crane on Cypress Street. The pieces are then trucked away to be recycled or refurbished for use in other TBMs.

You may see crews disassembling the TBMs below ground or the crane lifting pieces up to the surface. In addition, you may see construction of interior walls and concrete columns and other activities to build the station. You may also see orange waterproof membranes covering the

station walls where concrete hasn't been poured yet. This will help keep the future station dry.

This area between Cypress Maple streets will feature a crossover track that allows trains to switch from one track to the other, enabling trains to turn around at the terminus Arbutus Station and travel back east. The future Arbutus Station will be located between Maple and Arbutus streets.

Next stop

Continue west along W. Broadway for about one block until you see a pedestrian bridge turn left across Broadway, just before Maple Street.

Fun fact: The big red crane can lift up to 500 tonnes!



VIEW OF ARBUTUS STATION FROM PEDESTRIAN WALKWAY

Location: Pedestrian bridge at W. Broadway and Maple Street

What you'll see

You're standing on a pedestrian bridge directly above the excavated station area! From here, you can see into the work below. You can see construction of interior walls, concrete columns and concourse-level floor, and other activities to build the station. You may also see angled

interior walls in the crossover track section on the east side of the walkway around where the SkyTrain tracks will be installed, or work to construct the roof.

The future Arbutus Station will be west of this bridge, looking towards Arbutus Street.

Safety Note: This pedestrian bridge is used to access the crosswalk to cross W. Broadway. Please be careful to let others pass and avoid stepping into the street.

While you're here: Many varied businesses and services line the two-block-long Arbutus site, with lots of places to shop and eat in the neighbourhood.

You're finished!

Still have questions? You can contact us at [778-572-3544](tel:778-572-3544) (Monday–Friday, 9am – 5pm) or via email at broadwaysubway@gov.bc.ca.