

Annacis Water Supply Tunnel



Building new infrastructure to ensure the continued delivery of clean, safe drinking water for the region's growing population

This notice contains important information that may affect you. Please ask someone to translate it for you.

Cet avis contient des renseignements importants qui pourraient vous concerner. Veuillez demander à quelqu'un de le traduire pour vous.

此通告包含可能影響閣下的重要資訊。請找人為您翻譯。

이 공지문은 귀하에게 영향을 미칠 수 있는 중요한 정보를 포함하고 있습니다. 이를 번역해 줄 수 있는 사람에게 의뢰하시기 바랍니다.

Thông báo này có chứa những thông tin quan trọng có thể ảnh hưởng đến quý vị. Vui lòng nhờ người phiên dịch hộ.

Este aviso contiene información importante que puede afectarle personalmente. Pídale a alguien que se lo traduzca.

ਇਸ ਨੋਟਿਸ ਵੱਚ ਮਹੱਤਵਪੂਰਨ ਜਾਣਕਾਰੀ ਹੈ ਜੋ ਤੁਹਾਨੂੰ ਪ੍ਰਭਾਵਤਿ ਕਰ ਸਕਦੀ ਹੈ। ਕਰਿਪਾ ਕਰਕੇ ਕਸਿ ਨੂੰ ਤੁਹਾਡੇ ਲਈ ਇਸ ਦਾ ਅਨੁਵਾਦ ਕਰਨ ਲਈ ਕਰੋ।

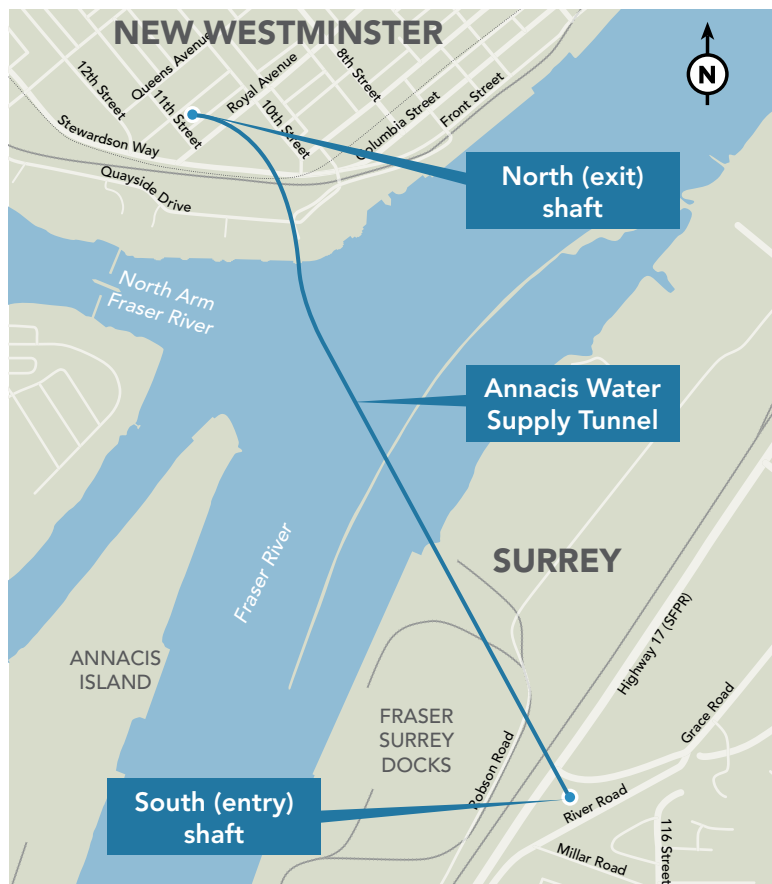
About the Project

Metro Vancouver is constructing a new water supply tunnel deep under the Fraser River, between the City of New Westminster and the City of Surrey.

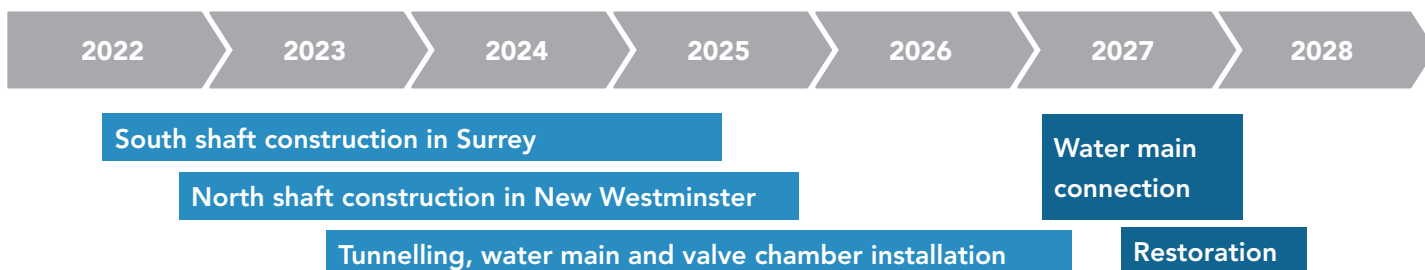
The Annacis Water Supply Tunnel will be one of the five new marine crossings in the region built to withstand a major earthquake. When complete, it will help ensure the continued delivery of clean, safe drinking water to the communities south of the Fraser River well into the future.

Construction will take approximately six years, from 2022 to 2028. It will involve building an entry shaft in Surrey and an exit shaft in New Westminster, and using a tunnel boring machine to excavate the 2.3-kilometre-long tunnel.

Once construction is complete, Metro Vancouver will connect the newly constructed water supply tunnel to the regional water distribution system, and restore both shaft sites. Restoration will include creating a new green space for the community in New Westminster and replanting trees in Surrey.



Timeline

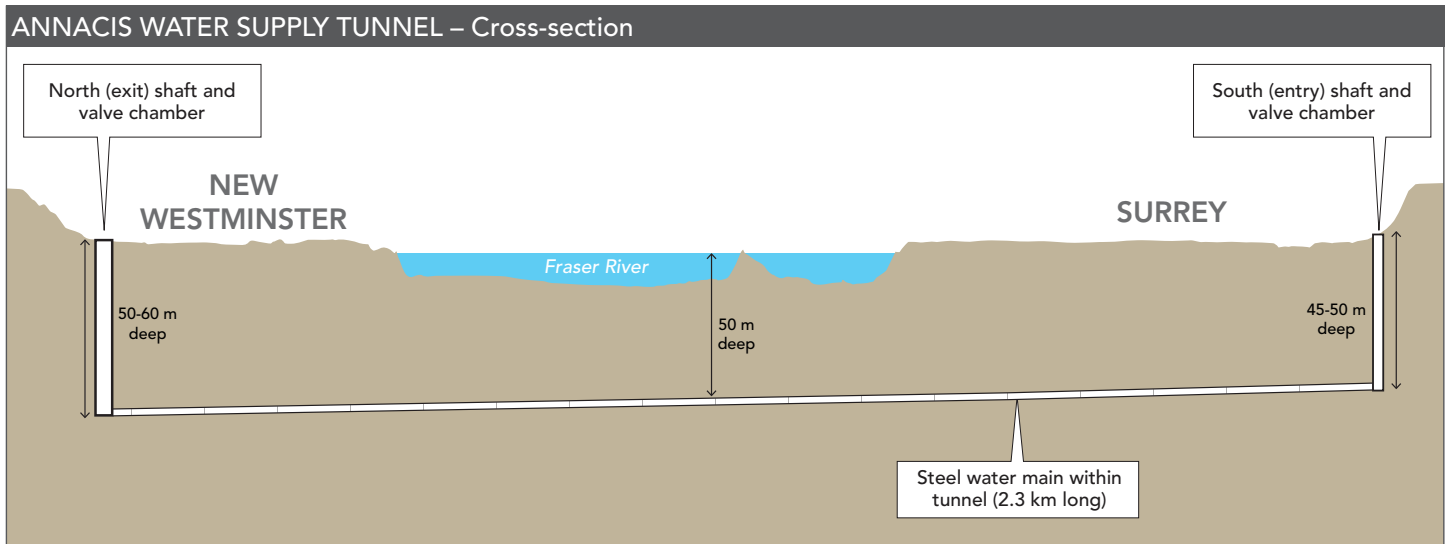
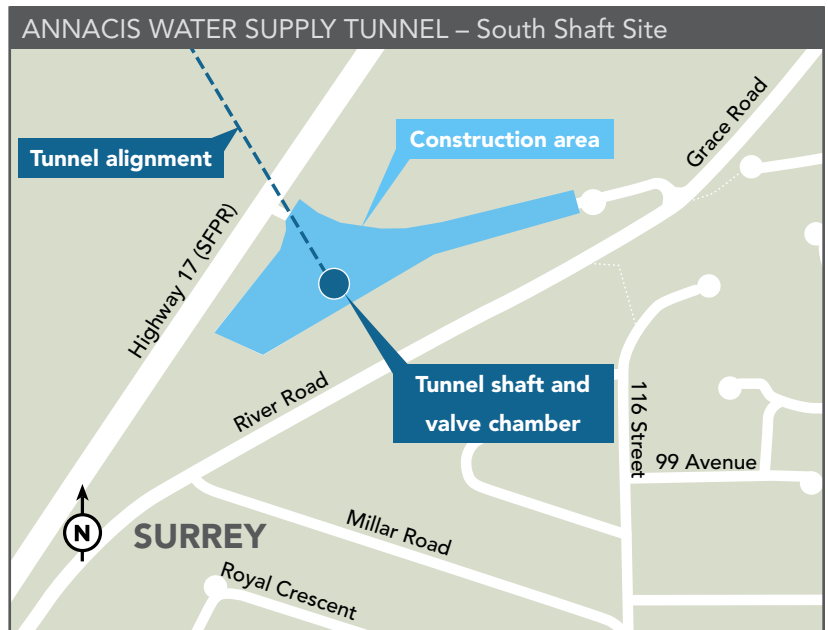


Note: this timeline is subject to change.

Construction Activities in Surrey

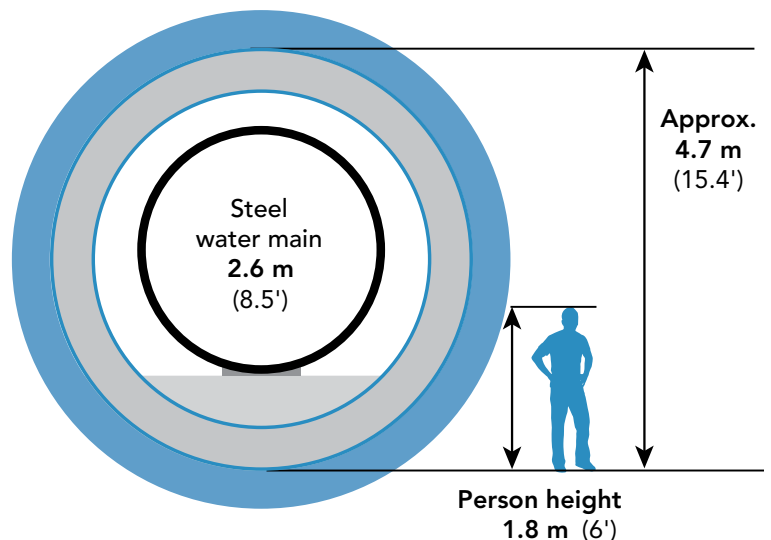
The south shaft site is located in the City of Surrey, at Grace Road, east of the Highway 17. Construction in Surrey will take place from 2022 to 2028.

- Site Preparation:** Our contractor will install temporary fencing around the site to ensure safety of crew, pedestrians, and cyclists throughout construction. This location will also be used to store construction trailers, equipment, and materials.
- Shaft Construction:** Once the site preparation is complete, the contractor will excavate a vertical shaft, which will be used as the entry for the tunnel boring machine (TBM).
- Tunnelling:** After the shaft is built, crews will excavate a 2.3-kilometre-long tunnel beneath the Fraser River using a tunnel boring machine. This equipment will be launched from the entry shaft located in Surrey, and progress to the exit shaft in New Westminster.



- Water Main Installation:** Once the tunnel is excavated, the contractor will install a 2.6 m diameter steel water main inside the new tunnel.
- Valve Chamber Construction:** When the water main installation is well underway, crew members will build an underground valve chamber at the site. It will be used to regulate water flow, and isolate sections of the distribution system to conduct maintenance and repair work in the future.
- Water Main Connection:** This activity will happen at the end of construction. Metro Vancouver is constructing the Annacis Water Main South in Surrey, which will connect the water supply tunnel to the existing drinking water distribution system.

Steel water main within tunnel (2.3 km long)



Typical Hours of Work

All work will comply with City of Surrey bylaws or granted bylaw variances. Typical hours of work for this project will be:

- **Monday to Saturday:** 7:00 am – 10:00 pm
- **Holidays:** 7:00 am – 10:00 pm
- **Sundays:** No work planned

There may be times when construction crews will need to work longer hours or outside of the planned days to complete certain tasks. Metro Vancouver will notify the community about these activities ahead of time.

What to Expect During Construction

Metro Vancouver is committed to minimizing project impacts to the local businesses and residents located near the area wherever possible. As part of our process, we identified potential impacts such as noise, traffic and dust early in the design stage, and planned the following measures to mitigate them during construction:



Reduce Noise and Vibration

There will be some noise and vibration associated with the construction activities at the south shaft site. Vibration will be minimal and noise generated by construction activities will be constantly monitored to ensure compliance with City of Surrey's bylaws or granted bylaw variances.

To reduce noise and vibration impacts, whenever possible, our contractor will:

- Schedule work with our noisiest and high-vibration equipment, such as hydro vacuum trucks and jack hammers, to take place between 8:00 am and 6:00 pm
- Minimize "nuisance noise", such as offloading equipment, operating back-up beepers, or warming up heavy equipment
- Cover noisy equipment while in use



Keep People Moving Safely and Effectively

To minimize traffic impacts in the area, crews will:

- Access and leave the project site via Grace Road and River Road. Residential streets will be avoided wherever possible
- Place traffic control personnel and signage around the construction area to ensure pedestrians, cyclists and drivers do not enter the project site
- Maintain access to at least one sidewalk at all times
- Remove equipment and obstructions to maximize public access to roadways and sidewalks after work hours



Manage Air Quality and Dust

To minimize greenhouse gas emissions and dust, our contractor will:

- Reduce vehicles idling time
- Shut down equipment that is not in use
- Sweep around the construction site to minimize dust

Metro Vancouver and your municipality work together to supply clean, safe drinking water to the region.

Metro Vancouver is responsible for protecting and providing the region's water supply, including: protecting our water supply areas; storing, treating, and ensuring the quality of our water; supplying water directly to your municipality; and planning for future supply and demand.

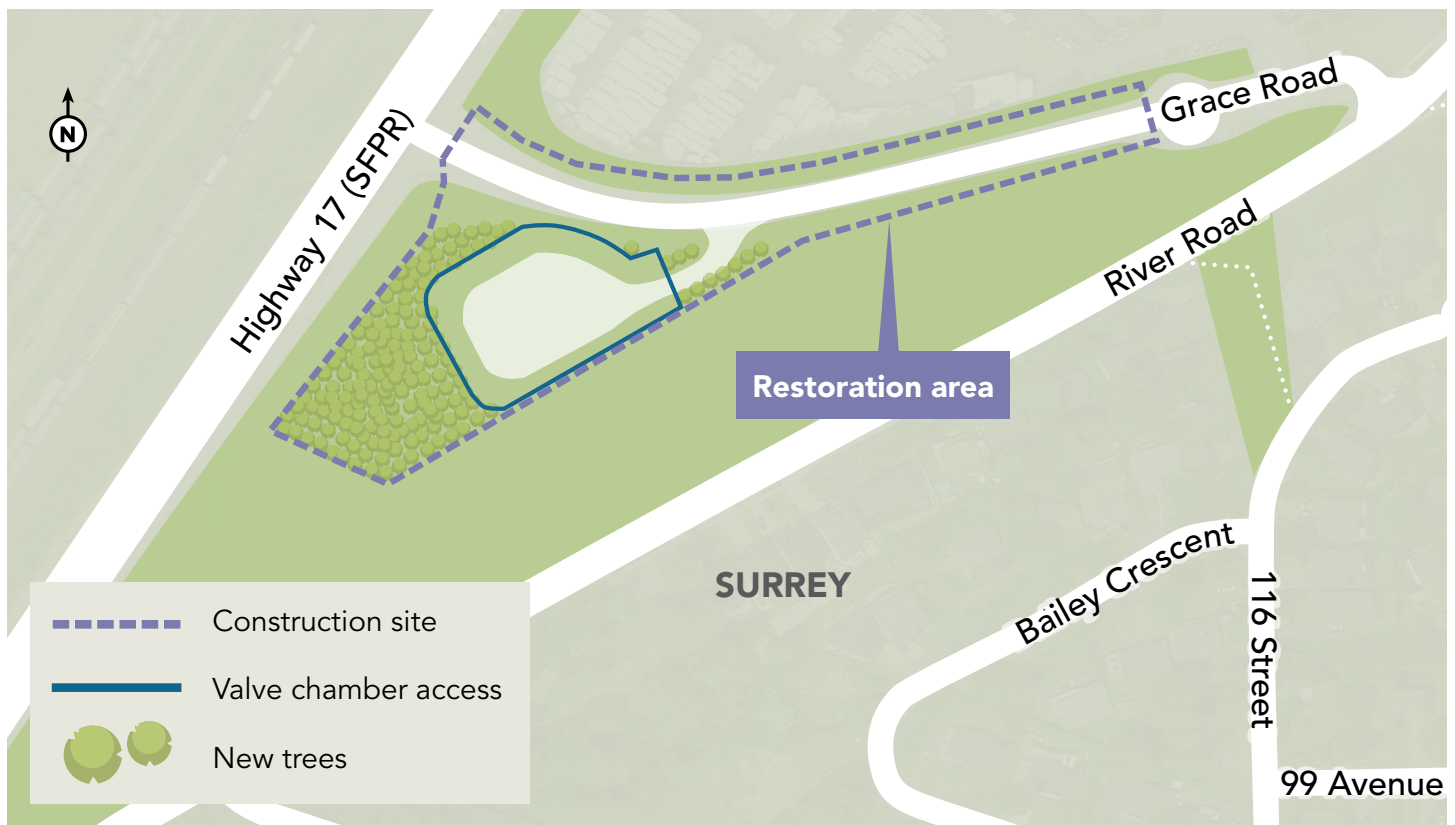
Your municipality is responsible for providing water to residents and businesses, enforcing regulations, utility billing, and, where used, water metering.



Restoration Plan

Once construction is complete, Metro Vancouver will work with City of Surrey to ensure the site is restored in line with sustainable practices to support the area's biodiversity and ecological health.

We will replant a mix of different types of trees and shrubs, such as Sitka Spruce, Western Red Cedar, and Salmonberry. Any roadways impacted by this project will be restored to previous or better condition.



Working with the Community

Metro Vancouver is committed to working closely with the community to ensure concerns and interests are considered as the project progresses. A community liaison is available to address questions and concerns throughout the project.

Local residents and businesses will receive ongoing updates through print notifications, email, web updates, and on-site signage. You can subscribe to our mailing list to receive regular updates via email by clicking on the "sign up" button located on the project's webpage.

Contact Us

Information Centre: 604-432-6200
(Monday to Friday from 8:00 am to 4:30 pm)

After Hours Emergency: 604-451-6610

Email: icentre@metrovancouver.org (Please include "Annacis Water Supply Tunnel" in the subject line)

Website: metrovancouver.org (Search for "Annacis Water Supply Tunnel")

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Together we make our region strong