



CONSTRUCTION UPDATE

NORTH MELBOURNE JUNE 2020

Major construction of the Metro Tunnel is continuing at and around the Arden Station site. This update provides an outline of current and upcoming works in your area throughout June.

Construction snapshot

The first tunnel boring machine (TBM), Joan, has recently commenced tunnelling towards Parkville. The second TBM, Meg, is expected to commence tunnelling in June. Construction of columns and the internal walls of the station box continues.

Work at and around the Arden Station site during June involves:

- Tunnelling between North Melbourne and Parkville, including commissioning and launch of TBM Meg
- Station box construction, including concreting of the internal station walls, concourse level and station roof, and removal of struts
- Slurry treatment plant, water treatment plant and concrete batching plant operation
- Out of hours oversize deliveries to and from site
- Utility investigations on Laurens, Barwise and Queensberry streets
- Surveying, and sampling and testing of groundwater and soil

- Transporting concrete from the concrete batching plant to other Metro Tunnel Project construction sites
- Ongoing site investigations and site establishment for the North Melbourne electrical substation.

Further information on these works can be found overleaf or at metrotunnel.vic.gov.au.

When are we working?



Normal construction hours

7am to 6pm, Monday to Friday
7am to 1pm, Saturdays

Some activities may be required to continue slightly past these hours. All efforts will be made to complete activities as scheduled.



Out of hours

Some works are required to take place out of normal construction hours. The timing of these works are outlined in the construction information overleaf.



24 hours

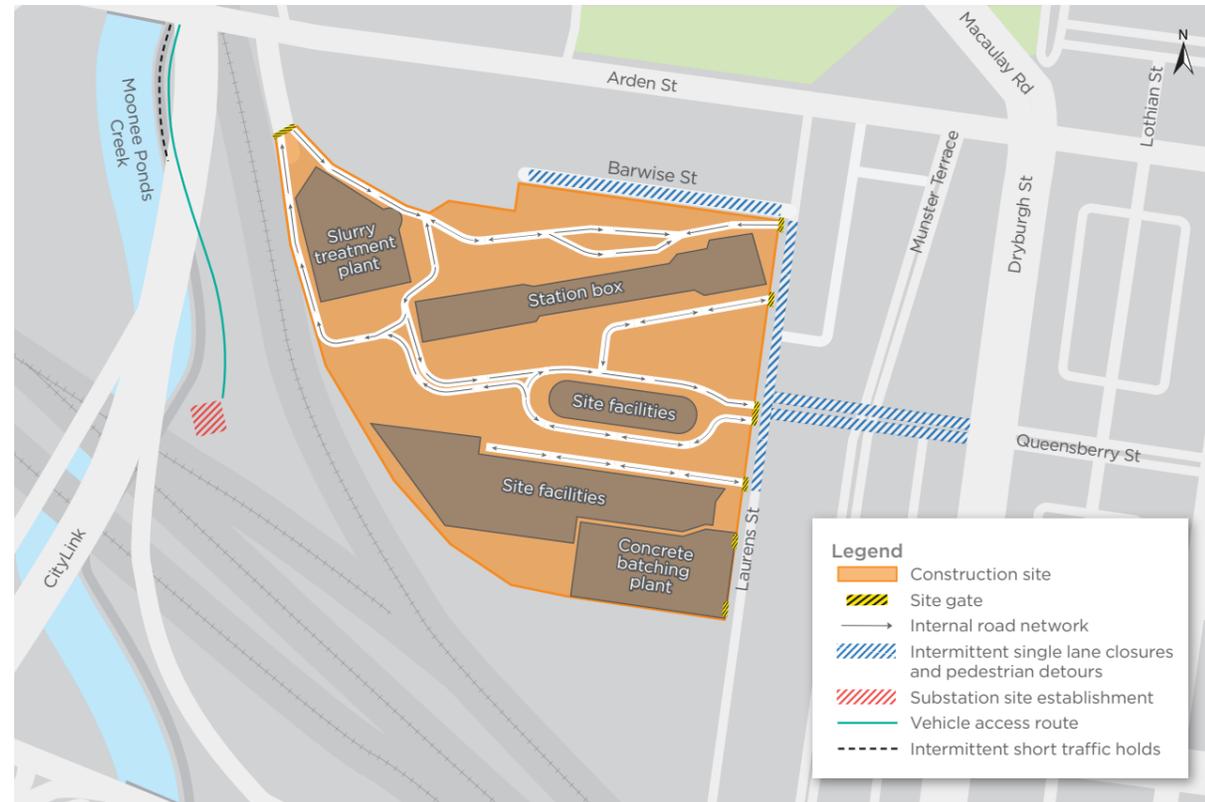
24 hour works are sometimes required during peak construction activities. The timing of these works are outlined in the construction information overleaf.

Project Information Line

1800 105 105

24 hours a day, 7 days a week
Press 2 for Metro Tunnel

WORKS IN YOUR AREA



Arden Station construction site. Indicative only

Tunnelling

From North Melbourne to Parkville
Ongoing until late 2020



- The first TBM, Joan, commenced tunnelling towards Parkville in mid-May. The second TBM, Meg, is undergoing the final stages of testing and commissioning and will commence tunnelling towards Parkville in June
- During tunnelling, the slurry treatment plant and water treatment plant will operate 24 hours a day, 7 days a week
- On average the TBMs will move around 10 metres every 24 hours
- During tunnelling, the project team will undertake survey and monitoring activities at ground level, along the tunnel alignment
- Property condition surveys have been offered to eligible properties on the tunnel alignment based on a detailed environmental assessment
- Properties located near tunnelling works will be contacted with further information before tunnelling occurs in their area.

Cross passage construction

From the Arden Station site to Kensington
Ongoing until early 2021



Works to construct the four cross passages in the completed section of tunnel between the Arden Station site and western tunnel entrance at Kensington is ongoing and involves:

- Installing work platforms and steel bracing frames inside the completed section of tunnels
- Geotechnical probe drilling in cross passage locations. This involves drilling through the tunnel wall and collecting samples to confirm ground conditions
- Cutting through the tunnel walls using a wall saw
- Using a small excavator to mine between the tunnels, and spraying concrete (shotcrete) to support the ground
- Installing waterproofing membrane and lining the cross passage tunnels using steel reinforcement and concrete
- Each cross passage is expected to take approximately six months to construct. Works will occur concurrently at different cross passage sites
- All works will be completed from within the completed section of tunnels
- These works are not expected to be audible at surface level
- Further information about cross passages can be found at metrotunnel.vic.gov.au

Station box construction

Arden Station site
Ongoing



- Removing steel struts from within the station box using hand tools and cranes
- Constructing the internal walls, concourse level and station roof using cranes, concrete trucks and pumps
- At times, these activities may need to be undertaken at night and are expected to generate low to medium levels of noise
- Concrete pouring activities may commence before 7am and extend beyond 6pm, Monday to Saturday. This may include the early arrival of concrete trucks to site and operation of the concrete batching plant
- Oversized deliveries will occur at night when roads are quieter, and subject to permit conditions
- Unless otherwise notified, construction vehicles will enter and exit the site via Arden Street after 6pm.

Site maintenance activities

Arden Station site
Ongoing



- Ongoing site maintenance activities including modifications to laydown areas and existing gates and hoarding on Laurens and Arden streets
- Survey, and sampling and testing of groundwater and soil
- Testing and maintenance of site equipment and plant.

Utility investigation works

Laurens, Barwise and Queensberry streets, North Melbourne
Ongoing until mid-2020



- Service investigations will be undertaken intermittently in Laurens, Barwise and Queensberry streets
- This involves the use of non-destructive drilling (NDD) trucks to locate underground services and then reinstating the road surface and line marking
- These activities are expected to generate periods of medium to loud noise
- These works may include intermittent impacts to traffic and on-street parking. See the 'traffic and transport impacts' section below and the map overleaf for further information.

North Melbourne substation site establishment

North Melbourne
Ongoing until July 2020



- Service investigations using NDD trucks to locate underground services
- Site investigations including survey and soil sampling
- Short holds of traffic on the Moonee Ponds Creek Trail may be required while large construction vehicles travel along the narrow section of the existing access track near Arden Street. Traffic controllers will be in place to direct cyclists and pedestrians
- Site establishment activities, including improvements to the existing access track and the installation of site fencing and hoarding
- Further information will be provided before construction of the substation commences in July 2020
- For more information on the North Melbourne substation visit metrotunnel.vic.gov.au

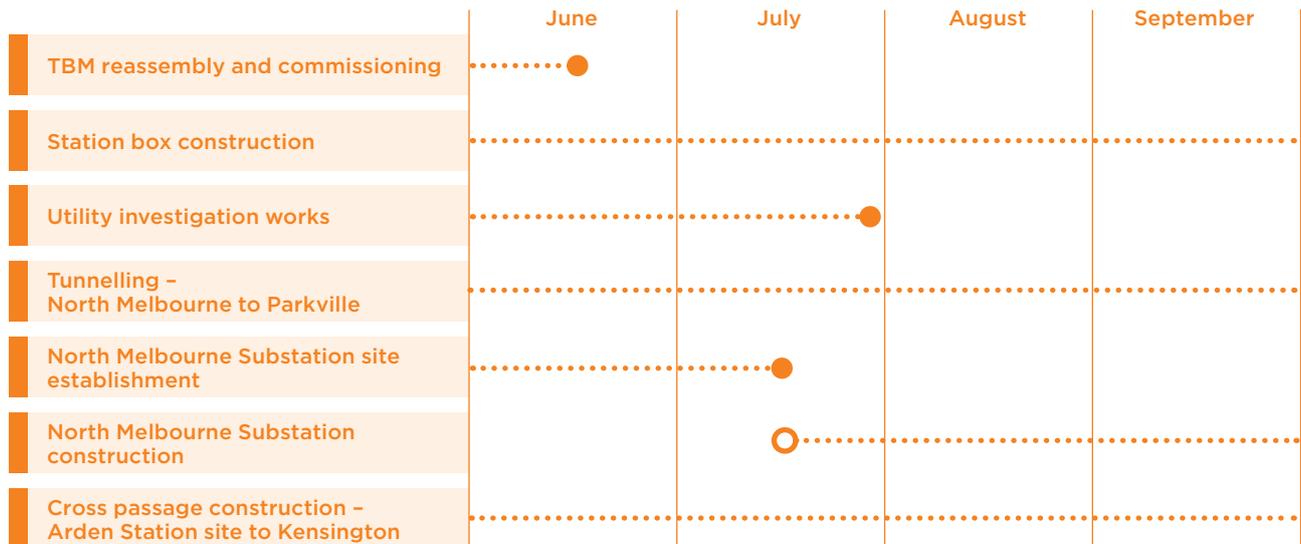
Traffic and transport impacts

- Up to 200 trucks per day are expected to travel to and from site during June. Construction vehicles and trucks will access the site via Laurens and Arden streets
- All trucks carrying excavated materials will be covered, and water carts and street sweepers will be used to minimise the spread of dust
- Rumble grids have been installed to remove debris from the wheels and carriages of vehicles to minimise the spread of dirt on local roads.

Utility investigation works

- Utility investigations will involve the intermittent closure of Laurens and Barwise streets down to one lane. Traffic will be maintained in both directions via a shuttle flow arrangement
- Some on-street parking spaces may be temporarily impacted on Barwise, Queensberry and Laurens streets
- Sections of footpath on Laurens Street, adjacent to works, may be temporarily closed
- Access to businesses will be maintained at all times
- Signage and traffic controllers will be in place to direct vehicles, cyclists and pedestrians around the work area.

LOOK AHEAD FOR 2020



Program is indicative and subject to change

Health and safety

The health and safety of our workers is our key priority as we continue to deliver the Metro Tunnel Project, as is supporting social distancing measures in line with current health advice. We have strict protocols in place to protect the safety of our construction workforce, including

enhanced industrial cleaning arrangements, provision of personal protective equipment and measures to reduce staff contact, including staggered shifts.

For more information and advice about the outbreak of Coronavirus, please visit coronavirus.vic.gov.au.

Business support

Now more than ever, local businesses near our construction sites need your support. In these uncertain times, businesses are doing it tough. Where possible, and in line with Government advice, please continue to shop local, and show your support.

More information

To find out more about the Metro Tunnel Project and register for future email updates:

-  metrotunnel.vic.gov.au
-  1800 105 105 (24 hours a day, 7 days a week)
Press 2 and follow the prompts

-  facebook.com/metrotunnel
-  Subscribe to eNews or construction notification emails: metrotunnel.vic.gov.au/subscribe

 Interpreter Service (03) 9209 0147

It should be noted that this information is current at the time of printing, however due to unforeseen circumstances, changes may occur. Please visit metrotunnel.vic.gov.au for the latest updates.