



CONSTRUCTION UPDATE

NORTH MELBOURNE

MAY 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 May.

Construction snapshot

The project's first two tunnel boring machines (TBMs) are being reassembled at the eastern (Laurens Street) end of the Arden Station box. The first TBM, Joan, is expected to commence tunnelling towards Parkville in mid-May. Work at and around the Arden Station site during May involves:

- TBM reassembly and commissioning, and the commencement of tunnelling towards Parkville
- Out of hours oversize deliveries to and from site
- 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
- Intermittent 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

- Ground improvement site reinstatement works on Lothian Street, North Melbourne
- Ongoing service 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

TBM reassembly

Arden Station site
Ongoing until June 2020



- All TBM shield components have been returned to the Arden Station site where they have been cleaned and lowered into the eastern (Laurens Street) end of the station box and reassembled
- The TBMs will be tested and commissioned so that tunnelling towards Parkville can commence.

Tunnelling

From Arden to Parkville
From mid-May 2020



- The first TBM, Joan, is expected to commence tunnelling towards Parkville in mid-May. The second TBM, Meg, will commence tunnelling towards Parkville approximately four weeks later
- 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
- Property condition surveys are being offered to eligible properties on the tunnel alignment based on a detailed environmental assessment. Offers are being made progressively, from the Arden Station site towards the Parkville Station site
- 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
May 2020 to early 2021



Cross passages are short tunnels that connect the twin tunnels and are an important safety feature as they allow people and emergency services to move from one tunnel to the other in the event of an emergency. There will be 26 cross passages located at regular distances along the tunnel alignment.

During May, works to construct the four cross passages between the Arden Station site and western tunnel entrance at Kensington will commence. The first stage of work involves:

- Installing work platforms and steel bracing frames inside the completed section of tunnel
- Geotechnical probe drilling in cross passage locations. This involves drilling through the tunnel wall and collecting samples to confirm ground conditions in each location
- Cutting through the tunnel walls using a wall saw
- Each cross passage is expected to take approximately six months to construct. Works will occur concurrently at different cross passage sites
- These works are not expected to be audible at surface level
- Further information about cross passage construction 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.

Ground improvement and reinstatement works

Lothian Street, North Melbourne
Ongoing until May 2020



Jet grouting to improve the condition of the ground beneath Lothian Street is now complete. Reinstatement works will involve:

- Removing the concrete barriers on the eastern and western sides of Lothian Street using a crane and trucks
- Removing temporary line marking south of the site
- Resurfacing the impacted section of road, including the use of an asphalt paver, road profiler and vibrating roller
- Installing new kerbs, centre medians and garden beds
- Reinstalling speed bumps and associated signage and line marking at the northern end of Lothian Street
- Reinstating the five trees and irrigation system that were removed from within the centre median
- Lothian Street will remain closed between Arden Street and the southern entrances to Little Dryburgh Street North and Little Lothian Street North until reinstatement is complete

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.

- The intersection of Lothian Street, Little Dryburgh Street North and Little Lothian Street North, south of Arden Street, will reopen outside of work hours to allow for traffic to travel east-west between Little Dryburgh Street North and Little Lothian Street North
- Traffic and pedestrian detours will remain in place until reinstatement works are complete. Pedestrian access around the work site will be maintained at all times with signage and traffic controllers on site.

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 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.

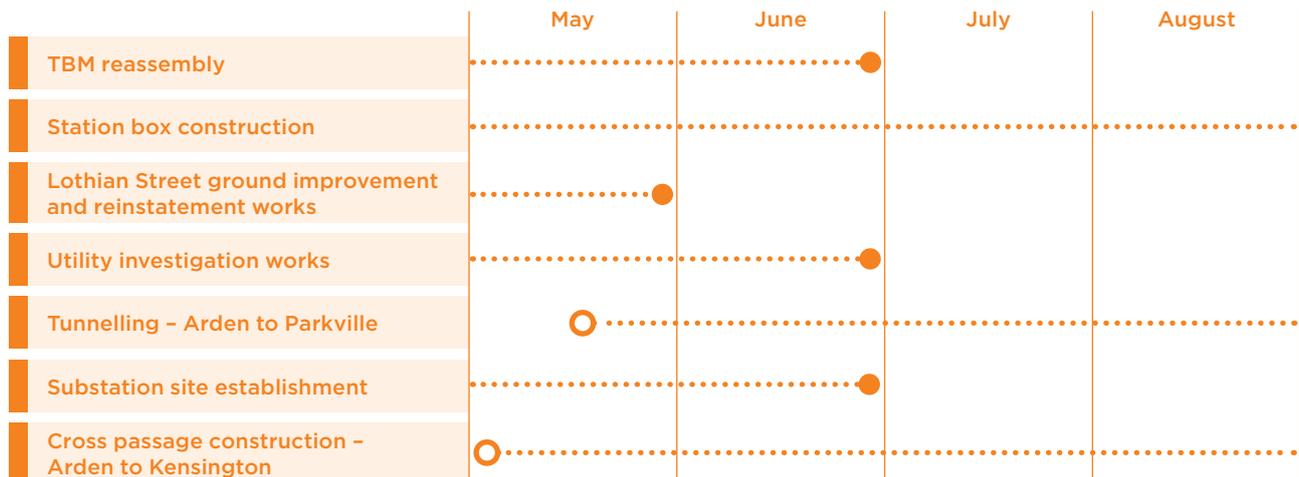
North Melbourne substation site establishment

North Melbourne
Ongoing until June 2020



- Service investigations using non-destructive drilling (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 mid-2020
- For more information on the North Melbourne substation visit metrotunnel.vic.gov.au

LOOK AHEAD FOR 2020



Program is indicative and subject to change

Traffic and transport impacts

- Up to 200 trucks per day are expected to travel to and from site during May. 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.

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.

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.