

# Construction update

## North Melbourne

September - October 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 September and October.

### Construction snapshot

Work at and around the Arden Station site during September and October involves:

- Tunnelling between North Melbourne and Parkville
- Station box construction, including concreting of the internal station walls, concourse level and station roof, and removal of struts
- Cross passage construction
- North Melbourne electrical substation construction
- Utility investigations on Laurens, Barwise and Queensberry streets
- Slurry treatment plant, water treatment plant and concrete batching plant operation
- Out of hours oversize deliveries to and from site
- Surveying, and sampling and testing of groundwater and soil
- Transporting concrete from the concrete batching plant to other Metro Tunnel Project construction sites.

Further information on these works can be found overleaf or at [metrotunnel.vic.gov.au](http://metrotunnel.vic.gov.au).

### When are we working?



#### Normal construction hours

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



#### Out of hours

Some works are required to take place out of normal construction hours.



#### 24 hours

24 hour works are sometimes required during peak construction activities.

# Works in your area

## Tunnelling

### From North Melbourne to Parkville

Ongoing until September 2020



- TBM 1, Joan, has now broken through into the station box at Parkville's Grattan Street east site
- TBM 2, Meg, will continue tunnelling from the Arden Station site towards Parkville Station during September
- Once they reach Parkville, both TBMs will be transported through the Parkville station box and relaunched towards the CBD
- The Arden Station site will provide TBM and tunnelling support for the duration of tunnelling to the CBD. This involves delivery of tunnel lining segments, operation of the slurry and water treatment plants and transportation of excavated material 24 hours a day, seven days a week
- The project team will continue to undertake survey and monitoring activities at ground level along the tunnel alignment.

## Cross passage construction

### North Melbourne to Parkville

Ongoing until mid-2021



- Installing work platforms and steel bracing frames inside the completed sections of tunnel
- Geotechnical probe drilling to collect samples and confirm ground conditions in each cross passage location
- 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 and are expected to generate low levels of noise at surface level
- Further information about cross passages can be found at [metrotunnel.vic.gov.au](http://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 late 2020



- Service investigations will be undertaken intermittently in Laurens, Barwise and Queensberry streets
- This involves the use of non-destructive digging (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, footpaths and on-street parking. See the 'traffic and transport impacts' section for further information.



Arden Station construction site. Indicative only

## North Melbourne substation

### North Melbourne

Ongoing until mid-2021



- Service investigations using NDD trucks to locate underground services will be required intermittently as construction progresses
- Ongoing site investigations and monitoring activities including survey and soil sampling
- Earthworks to construct the remaining section of the piling support platform to ensure the stability of the piling rig. This involves the use of NDD trucks, excavators and a vibrating roller
- Piling is underway and will continue until mid-September. Once piles are installed, the tops of the piles will be broken back using jackhammers
- Using excavators to dig cable pits that will sit below the future substation
- Installing steel reinforcement and formwork, and pouring concrete to create the foundations of the substation structure
- Short holds of traffic on the Moonee Ponds Creek Trail will be required intermittently 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
- For more information on the North Melbourne substation visit [metrotunnel.vic.gov.au](http://metrotunnel.vic.gov.au).

## Traffic and transport impacts

- Up to 200 trucks per day are expected to travel to and from site. 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 frequently 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, with local pedestrian diversions in place
- 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

	September	October	November	December
Station box construction				
Utility investigation works				●
Tunnelling – North Melbourne to Parkville	●			
Cross passage construction				
North Melbourne Substation construction				
Service and site investigations				

## Health and safety

The Metro Tunnel Project is a critical state infrastructure project under Stage 4 restrictions, allowing work to continue with strict health and safety measures in place.

The health and safety of our workers and the community is our key priority and we have measures in place to protect the safety of our construction workforce, including temperature screening, additional protective equipment including masks, daily health screening of workers, enhanced cleaning, staggered shifts and break times, and physical distancing.

Our workforce numbers across Victoria's Big Build have already been significantly reduced to support directions from the Chief Health Officer, and we are continuing to manage the number of staff and visitors attending our worksites.

For more information about coronavirus (COVID-19), please visit <http://coronavirus.vic.gov.au>.

## Keeping you informed

To help support the Victorian Government's Stage 4 coronavirus (COVID-19) restrictions while still making sure people know what's happening in their area, we've temporarily changed the way we'll notify you about upcoming works. We are using the following channels instead of hand delivering information into your letterbox at this time.

Please sign up to our email updates via the Metro Tunnel Project website [metrotunnel.vic.gov.au](http://metrotunnel.vic.gov.au) so we can continue to keep you informed about works in your area.

## 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.

## More information

To find out more about the Metro Tunnel Project:

 [metrotunnel.vic.gov.au](http://metrotunnel.vic.gov.au)

 1800 105 105 (24 hours a day, 7 days a week)

Rail Projects Victoria  
PO Box 4509, Melbourne, VIC 3001



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 [railprojects.vic.gov.au](http://railprojects.vic.gov.au) for the latest updates.