



## CONSTRUCTION UPDATE

### NORTH MELBOURNE AUGUST – SEPTEMBER 2019

Major construction of the Metro Tunnel is continuing in and around the site of the new North Melbourne Station. This update provides an outline of current and upcoming works in your area throughout August and September.

#### Construction snapshot

Work is underway to assemble the two tunnel boring machines (TBMs) that will launch from the site of the new North Melbourne Station in the coming weeks. Construction of the station box is continuing at the eastern end of the site.

Work in and around the site of the new North Melbourne Station during August and September involves:

- TBM assembly
- Out of hours oversize deliveries to and from site
- Station box excavation and installation of the station box frame (struts) at the eastern end of the station box
- Construction of the concrete base slab at the eastern end of the station box
- Surveying, sampling and testing of groundwater and soil
- Slurry treatment plant and water treatment plant commissioning

- Modification to hoarding and gates on Laurens and Arden streets
- Transporting concrete from the concrete batching plant to other Metro Tunnel Project construction sites
- Utility investigations on Laurens Street
- Ground improvement works on Lothian Street, North Melbourne.

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

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



#### 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

### TBM assembly

**New North Melbourne Station site**  
Until October 2019



- Large cranes will be used to lower and connect TBM pieces within the western end of the station box
- The two TBMs will be assembled inside the station box using pneumatic (air-driven) wrenches, welding equipment and hand tools
- This work will be undertaken at night as well as during the day and is expected to generate low levels of noise.

### Tunnelling

**North Melbourne to Kensington**  
Mid-late August 2019



- The first TBM will begin tunnelling from the site of the new North Melbourne Station to Kensington
- The second TBM will commence tunnelling a short time after, also from the site of the new North Melbourne Station to Kensington
- Tunnelling from the site of the new North Melbourne Station to Parkville will occur in 2020.

### Station box construction

**New North Melbourne Station site**  
Until December 2019



- A 25-metre wide roof will be constructed over the middle section of the station box. This area will be used to store the concrete segments that will line the tunnels, once tunnelling commences

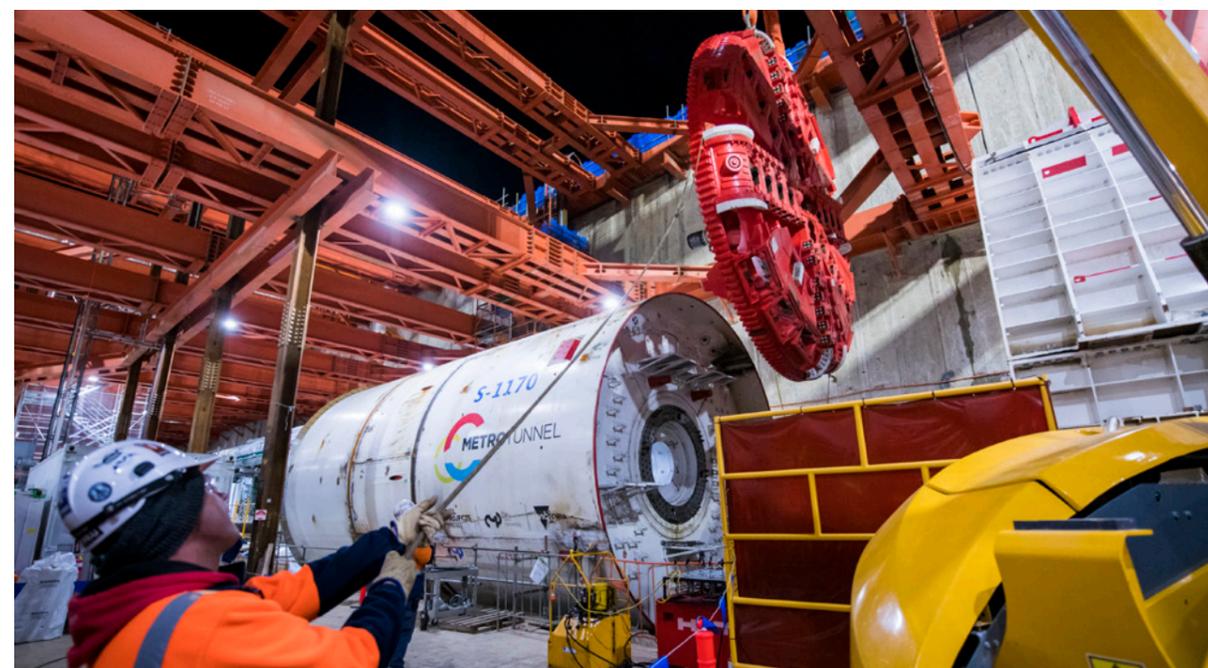
- Station box excavation and installation of the station box frame (steel struts) at the eastern end of the station box
- Breaking back sections of concrete piles at the bottom of the station box using jackhammers
- Once excavation is complete, a concrete base slab will be constructed using concrete trucks and pumps. Sections of struts will be removed from the station box once the base slab has been constructed
- These activities will be undertaken at night as well as during the day 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
- Unless otherwise notified, construction vehicles will enter and exit the site via Arden Street after 6pm.

### Site maintenance activities

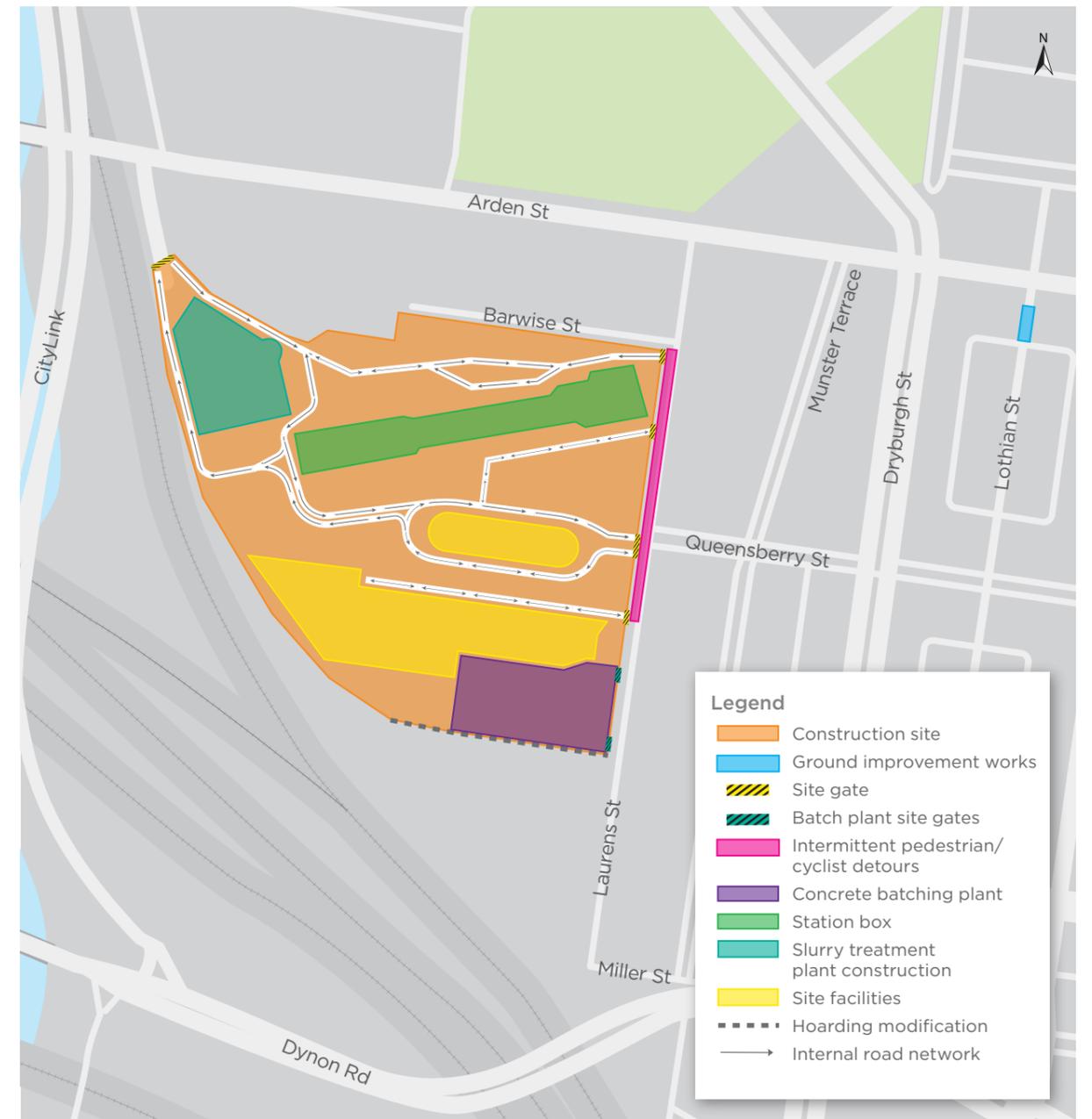
**New North Melbourne Station site**  
Ongoing



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



TBM assembly continues at the site of the new North Melbourne Station.



Indicative only

### Ground improvement works

**Lothian Street, North Melbourne**

From early September 2019 until early 2020



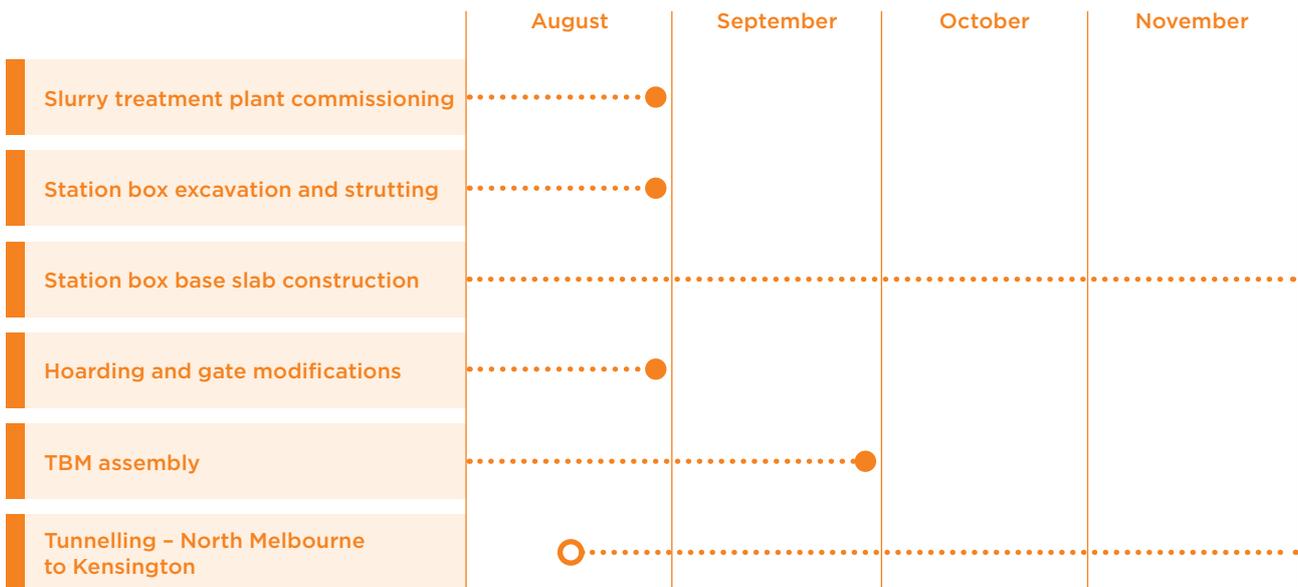
Ground improvement works are required prior to the construction of a cross passage at this location. Cross passages are short tunnels that connect the twin tunnels and are an important safety feature as they allow people and emergency services to move from one tunnel to the other in the event of an emergency.

Ground improvement works will strengthen the ground at the location of the cross passage prior to the TBM passing through.

During July, service investigations were completed. The next stage of works in Lothian Street will involve:

- Establishment of a site laydown area
- Preparation of site for the start of drilling and grouting activities to strengthen the ground underneath Lothian Street
- Further information about these works, including dates and timing, will be provided.

# LOOK AHEAD FOR 2019



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 August and September. Construction vehicles and trucks will access the site via Laurens and Arden streets
- Utility investigations on Laurens Street will involve the intermittent closure of Laurens Street down to one lane, with traffic flow maintained in both directions. Signage and traffic controllers will be in place to direct

vehicles, cyclists and pedestrians around the work area. Access to Laurens Street properties will be maintained at all times

- 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.

## More information

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

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

-  [facebook.com/metrotunnel](https://facebook.com/metrotunnel)
-  Subscribe to eNews or construction notification emails: [metrotunnel.vic.gov.au/subscribe](mailto: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](http://metrotunnel.vic.gov.au) for the latest updates.