



MONTHLY CONSTRUCTION UPDATE

KENSINGTON NOVEMBER 2019

Major construction is continuing in Kensington at the site of the future western tunnel entrance. This update provides an outline of current and upcoming works in your area throughout November.

Construction snapshot

The project's first two tunnel boring machines (TBMs) have commenced tunnelling from the site of the new North Melbourne station. Over the coming months, they will tunnel towards the retrieval shaft adjacent to South Kensington station.

After the long weekend project shutdown, the team are back in full swing. Works in November will continue to focus on constructing the TBM retrieval shaft and progressing with installing diaphragm-wall (D-wall) panels.

In November, works within the Kensington precinct will include:

- TBM retrieval shaft construction
- D-wall construction
- D-wall break back (level off) and capping beam works
- Tunnel cross passage ground improvement site reinstatement works
- Installation of monitoring instrumentation and survey activities.

Further information on these works can be found overleaf or at metro.tunnel.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. 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

TBM retrieval shaft construction

Childers Street

7am – 6pm, Monday to Friday

7am – 3pm, Saturdays

Early to mid-November

Out Of Hours Works

6pm – 7am, Monday to Friday

3pm – 6pm, Saturdays

Mid-November until end-January 2020



- Excavation, strutting and shotcreting within the TBM retrieval shaft are now complete
- Works to construct a reinforced concrete base slab and internal walls have commenced. This involves using concrete trucks and pumps, and cranes to lift steel reinforcements into the shaft
- Concrete pouring activities may occasionally continue past 6pm on weekdays and 3pm on Saturdays
- Struts will be progressively removed as the base slab and internal walls are constructed
- Out of hours works will commence from mid-November and continue through until January 2020. The majority of these works will include steel fixing and the installation of form work which are not expected to be audible. One stage of strut removal will be required, over a small number of shifts, and may generate audible levels of noise
- Potentially impacted residents will receive further information about out of hours works prior to them commencing
- Out of hours works will occur between 6pm and 7am Monday to Friday and 1pm to 6pm on Saturdays.

Waterproofing and base slab works

Childers Street

7am to 7pm, Saturday 9

and Sunday 10 November 2019



- Using hand tools to install a waterproofing membrane
- Pouring a large section of the concrete base slab using concrete trucks and pumps
- These activities are expected to generate low levels of noise
- Potentially impacted residents will receive further information about these works.

Tunnelling

From North Melbourne towards Kensington

Ongoing until early 2020



- The project's first two tunnel boring machines (TBMs) have commenced tunnelling from the site of the new North Melbourne Station towards Kensington

- On average, the TBMs will move around 10 metres every 24 hours
- Properties located near tunnelling will be contacted with further information at least one month prior to tunnelling occurring in their area
- Property condition surveys have been offered to property owners based on an environmental assessment.

Tunnel cross passage reinstatement works

Lloyd Street

Ongoing until the end of 2019



- A section of water main will be replaced beneath Lloyd and Radcliffe streets. Properties who may be impacted by water main replacement works will be contacted before works commence
- Overnight closures of Lloyd and Radcliffe streets will be required to complete reinstatement works from Thursday 7 through to Wednesday 22 November 2019 (see 'Traffic and transport impacts' overleaf)
- Lloyd Street will remain in its current temporary alignment until after the first TBM has passed underneath the area. This will allow for on-site monitoring of the Lloyd Street bridge during tunnelling
- Access to and from the Lloyd Street Business Estate will be maintained at all times.

Diaphragm-wall construction

Childers Street and Hobsons Road

7am to 11pm, Monday to Saturday,

ongoing until early 2020



Diaphragm-walls (D-walls) will be constructed in two areas. Area 1 is located adjacent to the Bill Vanina Pavilion in JJ Holland Park. Area 2 is located opposite the South Kensington station platforms (see map overleaf for location of works). D-wall works in November will take place in both areas.

- Constructing D-walls, involving cranes excavating individual panels, and installation of steel reinforcement cages and concrete
- Concrete trucks accessing the Childers Street worksite to pour concrete for the D-wall panels
- Using a vacuum truck to suck excess concrete once poured. This method helps to reduce the overall duration of break back works
- Deliveries of steel cages, requiring short holds of traffic on Kensington Road while trucks reverse into the Childers Street work site
- Operation of the bentonite plant (located within the Hobsons Road site compound) while D-wall works take place

- The bentonite plant includes pumps, generators, pipes, silos and a de-sanding machine to recycle bentonite. Low to medium levels of noise are expected from the use of bentonite plant pumps, however, it is not expected to be disruptive
- These works are expected to generate low levels of noise to nearby residents and low levels of vibrations are expected while excavation of rock and firmer soils and concrete pours take place.

D-wall break back capping beam works

Childers Street

Ongoing to mid-2020



- Once sections of D-walls are complete, works will commence to break back D-walls, remove guide walls and install capping beams
- D-walls and guide walls will be broken back (levelled off) using a jackhammer, saw cutter and excavator, and a capping beam will be installed to tie D-wall panels together
- These works will be undertaken in stages, with break back activities expected to be undertaken in blocks of up to three-weeks, once sections of D-walls are installed
- These works are expected to generate periods of high-level noise and will be undertaken during normal working hours
- Jackhammering is expected to take up to six days to complete the first section in November.

We're taking a break

Please be advised that the Metro Tunnel Project will take a break from construction from Saturday 2 November. Works will recommence on Thursday 7 November 2019.

During the closure period, the site will be secured with regular security patrols. The project team will be on call during this time to directly respond to any issues that arise.

There may be minor works taking place during this time. Further information will be provided if works are to occur.

Traffic and transport impacts

Childers Street closure

- Childers Street is now closed for 12 months, while major construction works take place along Childers Street
- Over-height vehicles accessing the Lloyd Street Business Estate and Childers Street residents will be required to detour via Kensington Road, Derby Street and Tennyson Street during this time
- An over-height detection sensor is now operating on Tennyson Street and will be monitored 24/7
- Parking restrictions and speed cushions are now in place on Tennyson Street, between Derby Street and Childers Street.

Kensington Road

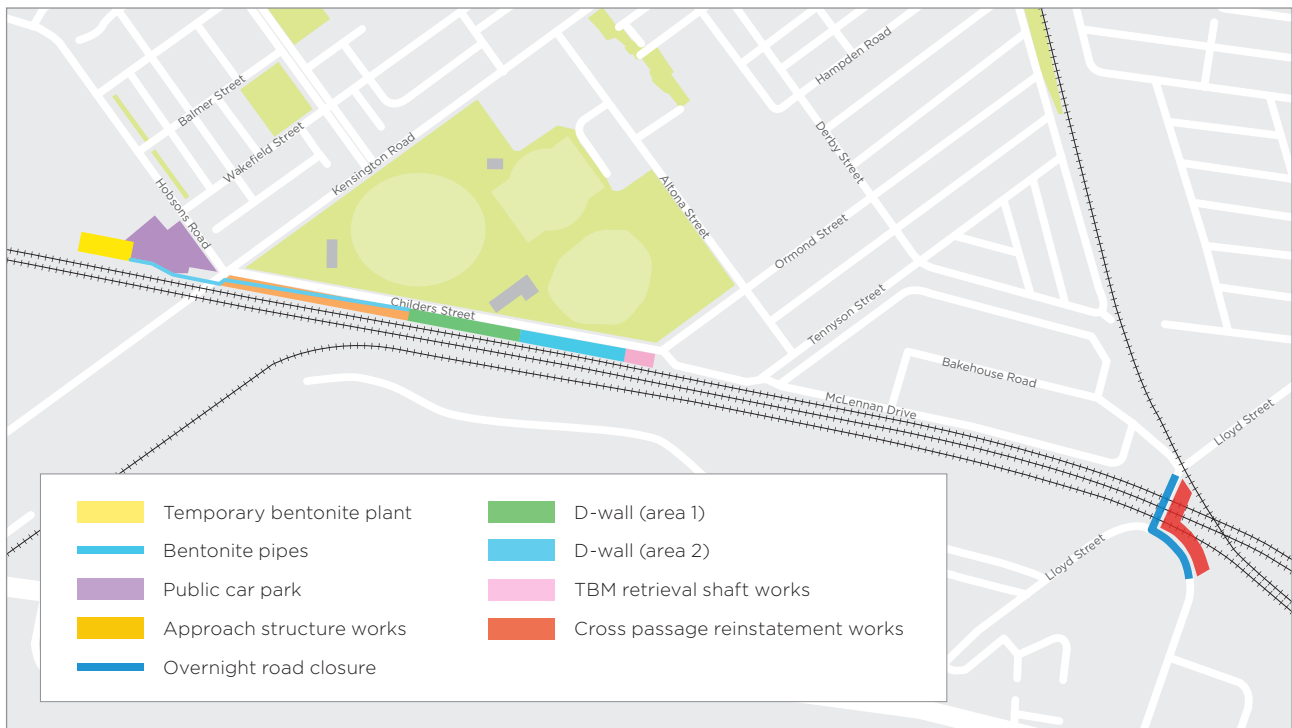
- Traffic controllers are in place on Kensington Road to assist with trucks reversing into site.

Hobsons Road temporary car park

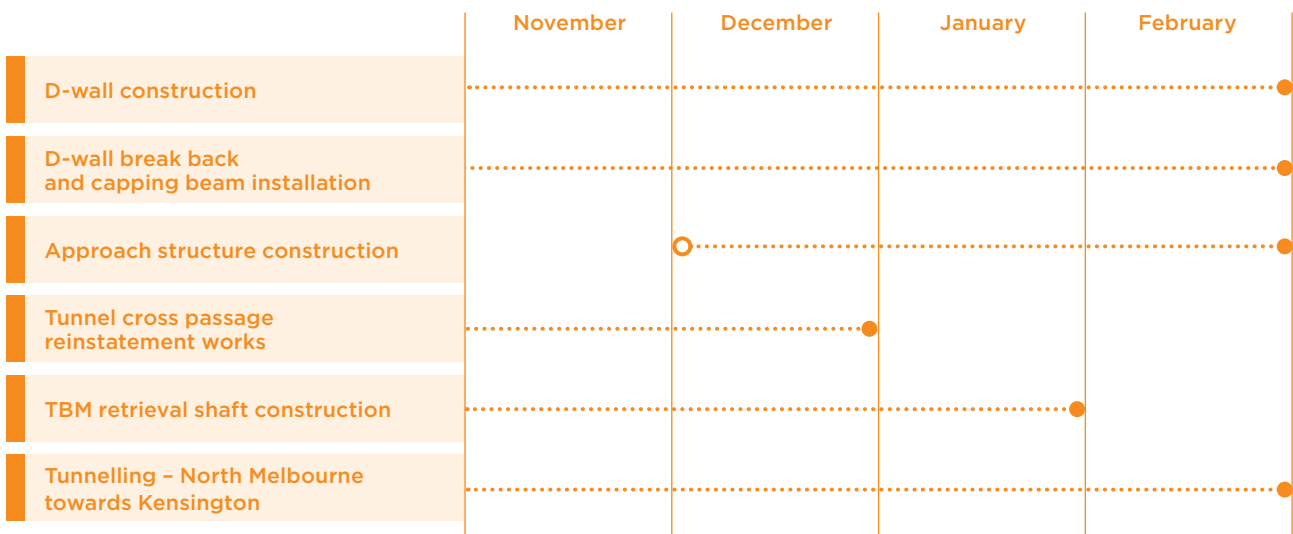
- The temporary car park located on the corner of Kensington Road and Hobsons Road is open
- There are up to 125 all day parking spaces for rail passengers and park users.

Radcliffe & Lloyd streets

- Radcliffe Street will be closed to all traffic from 7.30pm to 5am each week night from Thursday 7 to Wednesday 13 November 2019
- Lloyd Street will be closed to all traffic between Radcliffe Street and Bakehouse road from 9pm to 5am each week night from Thursday 14 to Wednesday 20 November 2019
- Access to the Lloyd Street Business Estate will be maintained via Arden Street and the existing over-height vehicle detour route that uses Kensington Road, Derby Street and Tennyson Street.





LOOK AHEAD FOR 2019/2020



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

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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.