



MONTHLY CONSTRUCTION UPDATE

KENSINGTON

DECEMBER 2019 - JANUARY 2020

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 December and January.

Construction snapshot

Major works continue to prepare the tunnel boring machine (TBM) retrieval shaft for the arrival of the project's first two TBMs early next year. The concrete base slab is now complete, works are underway to construct the internal walls and installation of diaphragm walls (D-walls) are progressing.

In December and January, works within the Kensington precinct will include:

- TBM retrieval shaft construction
- D-wall construction
- Capping beam works
- Approach structure construction
- Site and service investigations
- Tunnel cross passage ground improvement site reinstatement works
- Installation of monitoring instrumentation and survey activities
- Installation of pressure relief boreholes.

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.



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.

We're taking a break

Please be advised that the Metro Tunnel Project Kensington site will take a break from construction from 21 December to 5 January. 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.

WORKS IN YOUR AREA

TBM retrieval shaft construction

Childers Street

24 hours, Monday to Friday

7am to 6pm, Saturdays

9am to 7pm, Sundays

Ongoing until 20 December 2019

13 January until late January 2020



- The shaft's concrete base slab is now complete
- Works to construct the internal walls have commenced. This involves using concrete trucks and pumps, and cranes to lift steel molds (form work) and reinforcement into the shaft
- Struts will be progressively removed as the internal walls are constructed
- Out of hours works will include steel fixing and installation of form work
- Works during the day may generate periods of medium to loud noise. Out of hours works are expected to generate low levels of noise.

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 early 2020



- Intermittent overnight closures of Lloyd Street may be required during reinstatement works
- Lloyd Street will remain in its current temporary alignment until after the TBMs have 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

6am to 2am, Monday to Friday

7am to 2am, Saturdays

Ongoing until 20 December 2019

and 13 to 18 January 2020



Diaphragm-walls (D-walls) will be constructed opposite the South Kensington station platforms (see map overleaf for location of works).

- Constructing D-walls, involving cranes excavating individual panels and placing steel reinforcement 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 reduce the overall duration of break back works
- Delivering steel cages, requiring short holds of traffic on Kensington Road while trucks reverse into the Childers Street work site
- Operating 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 while excavation of rock, firmer soils and concrete pours take place
- Further information on D-wall activities beyond 18 January 2020 will be available in early 2020.

Capping beam works

Childers Street

6am to 2am, Monday to Friday

7am to 2am, Saturdays

Ongoing until 20 December 2019

and 13 to 18 January 2020



- Once sections of D-walls are complete, works will commence to break back (level off) D-walls and remove guide walls using a jackhammer, saw cutter and excavator,
- 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
- Break back works are expected to generate periods of high-level noise and will be undertaken during normal working hours. Capping beam works are expected to generate low levels of noise to nearby residents
- Further information on capping beam activities beyond 18 January 2020 will be available in early 2020.

Approach structure construction

Childers Street

Mid-December until early 2020



- Steel installation and concreting works will be undertaken on the remaining section of the approach structure next to the recently installed D-wall panels
- Installation of new track drainage within the rail corridor, involving the use of excavators and lifting drainage pipes into place

- These works will involve installing and welding reinforcement steel and concrete pours
- These works are expected to generate medium level noise.

Service investigations and installation of monitoring equipment

Childers Street

Early December 2019



- Service investigations, involving non-destructive digging (NDD) to help locate underground services along Childers Street and adjacent to the South Kensington station entrance
- Installation of monitoring equipment along Childers Street, involving the use of saw cutters and NDD trucks
- These works are expected to generate periods of loud noise during NDD and saw cutting activities
- These works will not impact pedestrian access to the station.

Installation of pressure relief boreholes

Childers Street

Monday 6 to Saturday 11 January 2020



- Installing pressure relief boreholes involving the use of two to three drilling rigs drilling
- These works are expected to generate periods of medium level noise while drilling takes place
- These works will be undertaken prior to normal works which resume back on Monday 13 January
- These works can only be completed while D-wall works are not taking place and are scheduled during normal working hours to minimise the need for out of hours works.

Traffic and transport impacts

Childers Street closure

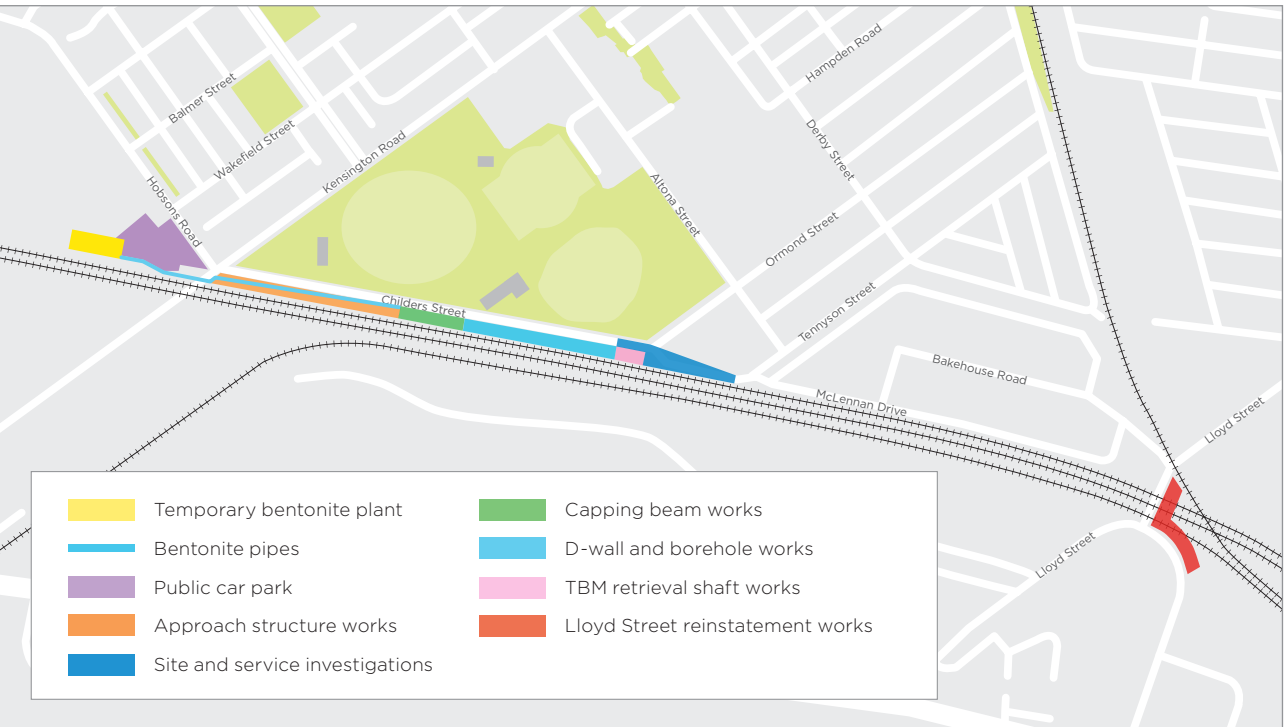
- Childers Street is now closed for 12 months while major construction works take place along Childers Street
- Over-height vehicles accessing the Lloyd Street Business Estate and Childers Street residents are required to detour via Kensington Road, Derby Street and Tennyson Street during this time
-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

Kensington Road

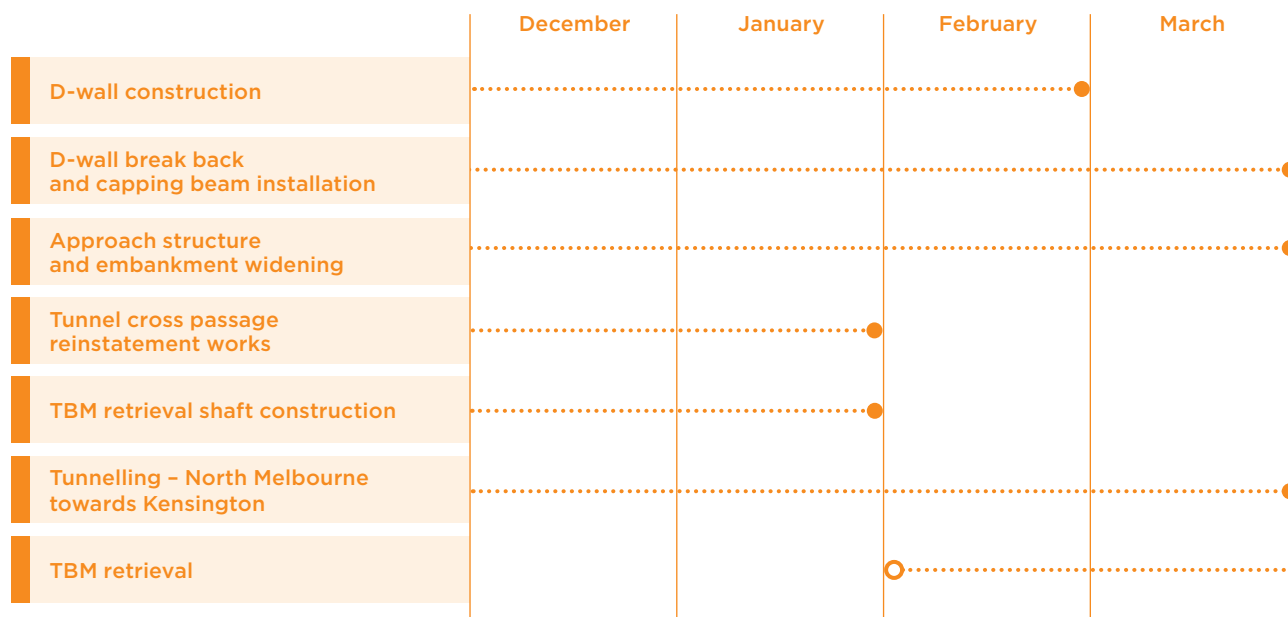
- Traffic controllers are in place on Kensington Road to assist with trucks reversing into site.

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.



LOOK AHEAD FOR 2019/2020



Kensington urban design

The Metro Tunnel Project has finalised detailed designs for the entry to South Kensington station, Childers Street, Ormond Street and connections to JJ Holland Park.

Community feedback played an important role in shaping these designs, which seek to provide:

- Access to and along Childers Street for a range of vehicle types and cyclists
- Safe connections for cyclists, pedestrians and vehicles travelling along Childers Street near South Kensington station
- Increased landscaping and vegetation along Childers Street and around the station entrance
- Adequate parking for station users and JJ Holland Park users
- Additional public open space from JJ Holland Park through to the station forecourt, and
- Integration between JJ Holland Park, new public space and the updated station entrance.

As a follow up to engagement on the Western Portal Development Plan, the project team hosted three community information events during late October to provide Kensington residents, businesses and local groups an opportunity to view the designs and speak with the project team.

We received positive feedback from the community about the urban design concepts and the opportunity to engage with the project on a creative design treatment for the Childers Street floodwall in early 2020.

We would like to thank stakeholders and the community for taking the time to provide feedback to help us shape and then finalise our planning and detailed designs. Works to reinstate Childers Street, create new public open space and update the South Kensington station entrance are expected to start in 2021.

View our urban designs online at metrotunnel.vic.gov.au/construction/kensington/western-tunnel-entrance-location

More information

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

- W metrotunnel.vic.gov.au
- 1800 105 105 (24 hours a day, 7 days a week)
Press 2 and follow the prompts
- f facebook.com/metrotunnel
- @ Subscribe to eNews or construction notification emails: metrotunnel.vic.gov.au/subscribe



Interpreter Service
(03) 9209 0147

Arabic	العربية	Russian	Русский
Cantonese	廣東話	Serbian	Српски
Greek	Ελληνικά	Sinhalese	සිංහල
Italian	Italiano	Spanish	Español
Korean	한국어	Turkish	Türkçe
Macedonian	Македонски	Vietnamese	Tiếng Việt
Mandarin	普通话		

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.