



MONTHLY CONSTRUCTION UPDATE

KENSINGTON

APRIL 2020

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

Construction snapshot

During March, the project's second TBM, Meg, completed tunnelling from Arden to Kensington and successfully broke through into the retrieval shaft.

In April, works within the Kensington precinct will include:

- TBM disassembly and retrieval
- Tunnel cross passage ground improvement site reinstatement works
- Installation of monitoring instrumentation and survey activities
- Tunnel entrance excavation and base slab construction
- D-wall construction activities
- Capping beam works
- Borehole drilling works
- Permanent propping installation
- Rail corridor maintenance works.

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.

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

WORKS IN YOUR AREA

TBM disassembly and retrieval

Childers Street

Ongoing until May 2020



- Tunnelling between the new Arden Station site and Kensington is now complete
- Cleaning and disassembling TBM cutterhead and front shield sections using high pressure cleaners and hand tools
- Using a large crane to lift TBM components from the retrieval shaft and onto trucks. The rear (gantry) sections of TBM will be returned to the new Arden Station site via the completed tunnel
- Oversized TBM parts will be transported at night, subject to permits. Further information is provided in the traffic and transport section overleaf
- Loaded trucks may be staged on Childers Street prior to being transported from site at night.

Tunnel cross passage reinstatement works

Lloyd Street

Ongoing until May 2020



- Overnight closures of Lloyd Street will be required during reinstatement works for approximately one week in late April
- Access to and from the Lloyd Street Business Estate will be maintained at all times
- Further notification will be provided once closure dates are confirmed.

Tunnel entrance excavation and base slab construction

Childers Street

7am to 6pm, Monday to Friday

7am to 1pm, Saturdays, Ongoing



- Tunnel entrance excavation has commenced and will continue throughout April. See the map (right) for the location of the stage one works area
- Earthworks will continue, including use of excavators to remove material and a vibrating roller placing crushed rock to construct new access ramps and a stable working platform within the tunnel entrance
- Constructing the base slab involves installing drainage pipes and pits, installing waterproofing material, placing steel and pouring concrete
- During steel works, a small excavator will break back excess concrete on the vertical sections of walls to connect the base slab steel into the steel of the wall panels. Some periods of medium levels of noise are expected during this activity
- During excavation of the tunnel entrance, material will be removed using excavators located at the top of, and within the tunnel entrance. These works are expected to generate low to medium levels of noise
- These works will involve increased truck movements along Childers Street, Hobsons Road and Kensington Road.

Diaphragm-wall construction

Childers Street and Hobsons Road

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

Saturdays, April to early-May 2020



- There are 14 D-wall panels to be completed. These panels cannot be completed until TBM disassembly and retrieval are completed in May 2020
- All remaining D-wall panels are due to be completed by late-June 2020
- D-walls will be constructed opposite the South Kensington station platforms (see map for location of works)
- Works to reinstate an access ramp and piling pad will commence in late April. This involves earthworks including the use of excavators and vibration rollers to prepare the area
- Once the piling pad is complete, works to build concrete guide walls will commence. These works involve excavating two trenches, installing reinforcement steel and pouring concrete
- These works are expected to generate periods of medium level noise and low levels of vibration associated with the use of the vibrating roller
- More information on D-wall works can be found at metrotunnel.vic.gov.au/construction/kensington.

Crane removal

Childers Street

10pm, Wednesday 1 April to 1am,

Thursday 2 April and 10pm, Monday 6 April

to 1am, Tuesday 7 April



- Two cranes will be demobilised from the Childers Street site as they are no longer required for the remaining wall works. This will involve a truck reversing into site from Kensington Road and placing components of the crane onto the truck
- These works are expected to take up to three hours and will be located opposite Bill Vanina Pavilion
- These works are expected to generate low levels of noise
- The cranes can only be transported away from site overnight, due to road permits required for oversized transport loads.

Capping beam works

Childers Street

7am to 6pm, Monday to Friday

7am to 1pm, Saturdays, Ongoing to mid-2020



- Once D-wall sections 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 then be installed to tie D-wall panels together
- These works will be undertaken in stages of up to three-weeks once D-wall sections 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.

Rail corridor maintenance works

Childers Street

12am to 4am, Monday and Thursdays

ongoing to mid-2020



- While excavation activities occur, occasional overnight works may be required within the rail corridor to undertake track maintenance works to ensure trains can continue to operate safely on the network
- Works will involve readjusting sleepers, crushed rock and tracks with hand tools and if required a small excavator
- Works may be required for up to four nights per month, however it is unlikely that all Monday and Thursday shifts will be required
- Maintenance works may generate low to medium levels of noise.

Borehole drilling works

Childers Street

7am to 6pm, Monday to Friday

7am to 1pm, Saturdays

Wednesday 1 April to mid-2020



- While excavation works take place in 2020, a dewatering system will be installed to monitor and maintain groundwater levels
- Works will commence in April to drill up to 60 boreholes within the tunnel entrance area.

- Pipes will be installed between the boreholes at the tunnel entrance and a discharge tank located at the Hobsons Road site. The discharge tank is not expected to generate audible noise

- Delivery of a drilling rig will be required over-night due to oversized transport requirements. The truck will reverse along Childers Street, requiring a short hold of traffic for up to five minutes on Kensington Road

- These works will take place in three stages, with the first stage of 11 boreholes to be drilled in early April

- These works will generate medium levels of noise.

Permanent propping installation

Childers Street

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

Saturdays, Late April to mid-May 2020



- Construction of the tunnel entrance involves installing 30 supporting props which provide horizontal support to the two tunnel entrance walls. The props are concrete structures which are reinforced with steel and connect to the capping beams on each D-wall
- 9 of the 30 props are constructed offsite and will be delivered to site between late April and mid-May. As the props are delivered, they will be reversed into Childers Street and a large crane will be used to lift each prop into place
- The remaining 21 props will be constructed onsite, which will involve placing steel, installing temporary timber molds and concrete pours. This activity is planned to commence in mid-2020
- Propping works are expected to generate low levels of noise associated with steel works, concrete pours and while the crane is lifting props into place.



Traffic and transport impacts

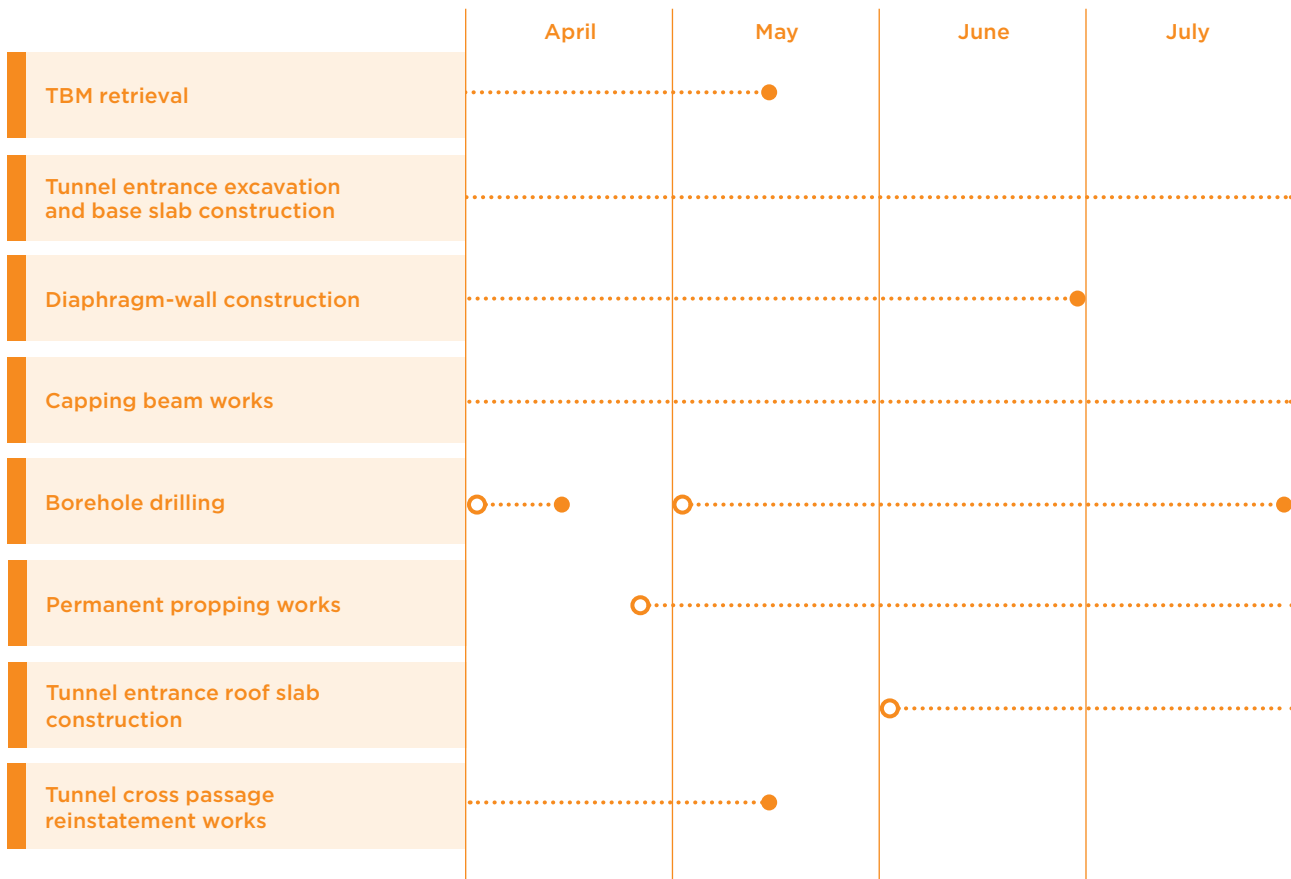
TBM part transportation

- Oversized TBM parts will be transported at night, subject to permits
- These loads will be transported back to the new Arden Station site via Kensington Road, Dynon Road, Dryburgh Street and Arden Street
- Some loads, which are unable to fit beneath bridges on this route, will travel via Kensington Road, Macaulay Road and Arden Street (see map at metrotunnel.vic.gov.au).

Childers Street

- Childers Street is currently closed to all traffic
- 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
- Traffic controllers are in place on Kensington Road and Childers Street to assist trucks reversing into site
- Traffic management will be in place during construction activities.

LOOK AHEAD FOR 2020



More information

To find out more about the Metro Tunnel Project:

 metrotunnel.vic.gov.au

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

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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 for the latest updates.