MONTHLY CONSTRUCTION UPDATE

KENSINGTON
AUGUST 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 August.

**Construction snapshot**
Over the next twelve months, there will be an increase in construction activities to build the western tunnel entrance. Given the large scale of the project, there are a number of complexities and challenges. The project has identified opportunities to shift and accelerate works for the safe and efficient delivery of the western tunnel entrance.

From August, an intensive period of works commences within the Kensington precinct, and will include:
- TBM retrieval shaft construction
- Temporary bentonite plant works
- Diaphragm-wall (D-wall) construction
- Signaling cable relocation
- Temporary guide wall works
- Embankment stabilising works
- Rail corridor works
- Tunnel cross passage ground improvement works
- Installation of monitoring instrumentation and survey activities.

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.

---

**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
Tuesday 6 August to late September 2019
Stage 1: 7am to 1pm, Monday to Saturday from August 2019 to September 2019
Stage 2: 7am to 6pm, Ongoing to September 2019, and 7am to 11pm, September to late 2019
- D-walls will be constructed in two stages. Stage 1 is located within the Childers Street worksite, adjacent to the cricket nets in JJ Holland Park. Stage 2 is located opposite South Kensington station platforms (see map overleaf for location of works).

Stage 1
- Out of hours deliveries and set-up of oversized D-wall cranes and equipment
- Construction of two, 280-metre long D-walls consisting of over 200 individual concrete panels
- Cranes used to excavate individual panels up to 20 metres deep and remove rock and firmer soils from the bottom of the excavation
- Ongoing deliveries of large steel cages and other materials. Deliveries of steel cages will require short holds of traffic on Kensington Road while trucks reverse into the Childers Street work site
- Cranes will be used to lift steel cages into place
- Concrete trucks accessing the Childers Street worksite to pour concrete for the D-wall panels
- These works are expected to generate low levels of noise to nearby residents low levels of vibration are expected while excavation of rock and firmer soils takes place.

Stage 2
- Guide walls will be installed prior to installing diaphragm-walls (D-walls) adjacent to South Kensington station platforms
- These works involve excavating two trenches adjacent to the tunnel entrance, installing reinforcement steel and pouring concrete
- Earthworks will be undertaken, including the use of a vibrating roller, to complete sections of the piling pad
- These works are expected to generate noise levels of medium level noise and medium levels of vibration associated with the use of the vibrating roller.

Diaphragm-wall construction
Childers Street (adjacent to Bill Vanina Pavilion)
- Excavating the TBM retrieval shaft using excavators and trucks to remove the excavated material
- Using excavator-mounted jackhammers periodically to break back sections of the tension piles within the shaft as they are exposed. Jackhammers will be used during the day only
- Spraying concrete (shotcrete) to line the walls of the shaft
- Installing steel supports (struts) inside the retrieval shaft to provide the structural frame for further excavation. Shuttering will involve the use of trucks to transport the struts to site and a crane to lift them into place. Struts will then be removed as excavation progresses
- Constructing a concrete base slab at the bottom of the excavated shaft
- Use of light towers will be required during evening and night works. Light towers will be positioned to face away from residential properties, where possible
- This work will be undertaken at night, as well as during the day
- All evening and night work activities are expected to generate low levels of noise.

Temporary bentonite plant works
Hobsons Road
7am to 11pm, Monday 5 August to Saturday 17 August 2019 (Except Sundays)
- Delivery and installation of bentonite plant equipment including pumps, generators, pipes, de-sanding equipment and six silos up to 13 metres in height
- For more information on how we construct D-walls with bentonite, please visit metrotunnel.vic.gov.au and view our ‘Building the western tunnel entrance: diaphragm wall construction’ fact sheet
- These works are expected to generate low levels of noise
- Re-connecting a low-voltage cable across Kensington Road, requiring a short hold of traffic on Kensington Road for up to five minutes while the cable is reconnected.

Underground signalling relocation works
Kensington Road
7am to 6pm, Thursday 8 August to Saturday 17 August 2019 (Except Sundays)
- Relocation of train signalling cables underneath Kensington Road
- This will involve the use of a saw cutter to cut asphalt, a small excavator digging a trench, non-destructive digging (NDD) trucks, installing new pipes and reinstating the area after works are complete
- Two-way traffic will be maintained during these works, with sections of the road closed to allow works to take place safely
- These works are expected to generate periods of high-level noise while the saw cutters and NDD truck are used.

Embarkment stabilising works
Childers Street
Ongoing to September 2019
- Ongoing steel installation and concreting works will be undertaken to stabilise the rail corridor embankment in this area
- These works will involve installing and welding reinforcement steel and pouring a concrete base
- These works are expected to generate medium level noise.

Traffic and transport impacts
- Signage and traffic controllers will be in place to direct vehicles, pedestrians and cyclists along Kensington Road, Hobsons Road, and Childers Street during, deliveries of D-wall materials, equipment and machinery. Some short holds of traffic will be required.

Tunnel cross passage ground improvement works
Lloyd Street and McLennan Drive
24/7, ongoing until mid-late 2019
- Cross passage ground improvement works on Lloyd Street and McLennan Drive will continue. This work is not expected to be audible from residential properties.

Rail corridor works
South Kensington station to Maribyrnong River
9pm, Friday 16 August to 5am, Monday 19 August
- Installing concrete guide walls, reinforcement steel and pouring concrete in areas close to the rail corridor while trains aren’t running
- Site investigations along the rail corridor involving the use of two excavators to understand ground conditions
- Installation of fencing along the rail corridor adjacent to South Kensington station
- These works involve using excavators, small cranes, concrete trucks, Non-destructive digging (NDD) trucks, and are expected to generate periods of medium to high levels of noise

Traffic changes
To ensure the 24-hour works can take place safely, buses will replace trains on sections of the Sunbury line from 8.30pm to last service on Thursday 15 August, and from 12.30am Saturday 17 August to the last service on Sunday 18 August. For further details and to plan your journey, visit ptv.vic.gov.au

Hobsons Road Temporary Car Park
24/7 parking is available at the temporary public car park located at the intersection of Hobsons and Kensington Road. We continue to encourage the local community to use this car park when accessing JJ Holland Park or catching a train from South Kensington Station.
## LOOK AHEAD FOR 2019

<table>
<thead>
<tr>
<th>August</th>
<th>September</th>
<th>October</th>
<th>November</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temporary bentonite plant works</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D-wall preparation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D-wall construction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Embankment stabilising works</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Signalling cable relocation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rail corridor works</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tunnel cross passage ground improvement works</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TBM retrieval shaft construction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tunnelling – North Melbourne to Kensington</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### More information

To find out more about the Metro Tunnel Project and register for future email updates:
- [metro_tunnel.vic.gov.au](http://metro_tunnel.vic.gov.au)
- 1800 105 105 (24 hours a day, 7 days a week)
- Press 2 and follow the prompts
- [facebook.com/metro_tunnel](http://facebook.com/metro_tunnel)
- Subscribe to eNews or construction notification emails: metro_tunnel.vic.gov.au/subscribe

It should be noted that this information is current at the time of printing, however due to unforeseen circumstances, changes may occur. Please visit [metro_tunnel.vic.gov.au](http://metro_tunnel.vic.gov.au) for the latest updates.

---