



## MONTHLY CONSTRUCTION UPDATE

### SOUTH YARRA JANUARY 2020

During January, major infrastructure upgrades will continue for the Metro Tunnel as we prepare our network for bigger, better trains and deliver improvements for passengers across Victoria. These upgrades will include 24/7 works in the rail corridor between South Yarra and Malvern stations from Wednesday 1, to Friday 31 January. This notification provides an overview of extensive 24/7 works throughout January.

Critical works during January in South Yarra include shifting the existing Frankston, Cranbourne and Pakenham line rail tracks to make room for the new track that will connect the Cranbourne/Pakenham lines to the Sunbury line via the Metro Tunnel.

#### Construction snapshot

Construction works will include:

- Removal and reinstatement of rail track, overhead structures and ballast
- Tunnel entrance excavation
- Roof slab works and concrete pour
- Drainage installation works
- Installation of tunnel support structures
- Tunnel boring machine (TBM) retrieval shaft construction.

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.



##### 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

### Removal and reinstatement of rail track, overhead structures and ballast

South Yarra Siding Reserve  
1 to 7 January and 19 to 31 January 2020



- Works to remove the existing ballast (crushed rock), rail track and overhead structures will begin at the start of the 24/7 works period
- The rail corridor will be stripped, so new track can be installed on either side of the tunnel entrance. This will facilitate the future installation of the two new rail tracks that will connect the Cranbourne and Pakenham lines into the Metro Tunnel
- Works to remove the existing temporary overhead structures will also take place. These structures will be replaced with the permanent structures that will hold the power that will supply all trains that travel through South Yarra
- Prior to the new rail track being placed, ballast will be laid down along the corridor, and machines will then pack the ballast into place
- Works will involve the use of elevated work platforms, machinery to pack the ballast, trucks and excavators
- These works are expected to generate medium levels of noise, with periods of high level noise.

### Tunnel entrance excavation

South Yarra Siding Reserve  
3 to 9 January 2020



- Works to continue excavation of the tunnel entrance will progress throughout January
- Excavators will be used to push the soil out of the tunnel, where it will be loaded into trucks and removed from site
- Works will involve the use of excavators and forklifts to remove soil
- These works are expected to generate medium levels of noise.

### Roof slab works and concrete pour

South Yarra Siding Reserve  
4 to 23 January 2020



- Work to complete the tunnel entrance roof will be carried out in January
- To complete the works, concrete piles that were installed previously will be broken back (levelled off) using a jackhammer and excavator so that the structural reinforcements can be placed and then tied to the roof structure
- Once the steel is in place, concrete will be poured creating the tunnel entrance roof.
- Work will involve the use of trucks, excavators, concrete trucks, jackhammers and hand tools
- Once the roof slab is installed, the rail track will be placed on top
- These works are expected to generate medium levels of noise, with periods of high level noise.

### Drainage installation works

South Yarra Station to Chapel Street  
5 to 23 January 2020



- To ensure the future rail track and tunnel are flood proofed, extensive drainage will be installed throughout the existing rail corridor in South Yarra
- Drainage pits will be excavated, drainpipes will be lowered into place and then covered over with concrete or crushed rock
- Work will involve the use of excavators, cranes and hand tools
- These works will generate medium levels of noise.

### Installation of tunnel support structures

South Yarra Siding Reserve  
6 to 19 January 2020



- Works to install the decline structure that will bring trains from the tunnel up to ground level, will be carried out in January
- To construct the ramp, support structures that were installed during May and June will be tied together with steel
- Once the support structures have been secured, excavation of the ramp will commence. As we progressively excavate, concrete will be sprayed onto the ramp walls to ensure structural integrity
- Works will involve the use of excavators, trucks to remove spoil from site, cranes and hand tools
- These works will generate medium level noise, with periods of high level noise.

### TBM retrieval shaft base slab construction

Osborne Street  
13 January to late February 2020



- Excavation of the tunnel boring machine (TBM) retrieval shaft on Osborne Street is completed. Works to construct the base slab will begin in January
- Base slab construction will include waterproofing, steel fixing, pouring of blinding (a thin base) layers and major concrete pours
- There will be an increase of truck movements during standard construction hours as steel is delivered to site
- Steel fixing and waterproofing works will continue until 10pm in preparation for the major concrete pours
- Concrete pours must be continuous to ensure structural integrity and therefore may occasionally require extending beyond estimated timeframes
- The retrieval shaft base slab will be completed in two parts, a primary base level and a secondary base level
- In late January, the primary base slab pour will require 24-hour works, the removal of parking between Toorak Road and 113 Osborne Street and traffic changes. Further notification will be provided closer to the date.

## WORKS SCHEDULE

January 2020

Wed 1	Thurs 2	Fri 3	Sat 4	Sun 5	Mon 6	Tues 7	Wed 8	Thurs 9	Fri 10	Sat 11	Sun 12	Mon 13	Tues 14	Wed 15	Thurs 16	Fri 17	Sat 18	Sun 19	Mon 20	Tues 21	Wed 22	Thurs 23	Fri 24	Sat 25	Sun 26	Mon 27	Tues 28	Wed 29	Thurs 30	Fri 31						
Removal of track, overhead structures and ballast							Reinstatement of track overhead structures and ballast																													
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Roof slab works and concrete pour																																				
Drainage installation works																																				
Installation of tunnel support structures																																				
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### Traffic and transport impacts

- Buses will replace trains along the Frankston, Cranbourne, Pakenham and Sandringham lines at various times throughout January. Visit [www.ptv.vic.gov.au](http://www.ptv.vic.gov.au) for more information
- Construction vehicles will use the new William Street bridge, via William Street and Toorak Road, during January. Residents will notice an increase in traffic during this time
- Arthur Street will be closed to all through traffic from 1 to 31 January. Local access will be maintained at all times
- Parking on William Street will be temporarily removed from 1 to 31 January, to safely allow for an increase in vehicles accessing the site. Residents are encouraged to contact the construction team to discuss offset parking arrangements during this time.



### 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**

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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](http://metrotunnel.vic.gov.au) for the latest updates.