



MONTHLY CONSTRUCTION UPDATE

SOUTH YARRA APRIL 2020

Works to construct the Metro Tunnel's eastern entrance in South Yarra will continue throughout April. This month's focus is on the excavation of the tunnel entrance, preparatory works for the installation of the detention tank and walls, as well as foundation works for the future connection between Osborne Street and Siding Reserve.

This notification provides an overview of upcoming works, including 24/7 works, throughout April.

Construction snapshot

Construction works will include:

- Excavation of the tunnel entrance
- Construction of the tunnel base slab and walls
- Detention tank wall and roof installation
- Installation of anti-throw screens along the railway line
- Excavation of egress shaft
- Osborne Street bridge preparation works
- 24/7 rail corridor works
- Tunnel boring machine (TBM) retrieval shaft construction.

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

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

Excavation of the tunnel entrance

South Yarra Siding Reserve
Ongoing to late May 2020



- Excavation of the tunnel entrance will continue throughout April
- Excavators and bulldozers will be used to remove soil from the tunnel, where it will be loaded onto trucks and removed from site
- Work within the tunnel will take place between 6am and 10pm until late May 2020
- These works are expected to generate medium levels of noise and some vibration.

Construction of the tunnel base slab and walls

South Yarra Siding Reserve
Ongoing to late 2020



- Works will begin in April to construct the tunnel base and walls to ensure the structural integrity of the tunnel
- Currently, props (temporary beams) are being used to support the tunnel entrance as it comes to ground level. Work to pour the concrete base slab and walls will take place over the coming weeks so that the props can be removed
- The concrete, once in place, will provide the structural support for the tunnel entrance and will allow the props to be safely removed
- Works are expected to generate low levels of noise.

Detention tank walls and roof installation

South Yarra Siding Reserve
Ongoing to mid-2020



- Works on the detention tank base slab and walls were undertaken in February
- To complete the structure, pre-cast panels will be delivered to site and installed using a crane. The panels will provide structural support to the walls once the detention tank is complete in late 2020
- Works are expected to generate low to medium levels of noise.

Installation of anti-throw screens and fencing along the railway line

South Yarra Station to Chapel Street
Ongoing to mid-2020



- As part of the final design for the new tunnel entrance in South Yarra, anti-throw screens and fencing will be installed to protect the rail corridor from debris and improve safety
- The screens and fencing will be installed next to the rail corridor along Arthur and William streets as well as Lovers Walk

- The screens and fencing will be delivered to site and installed using hand tools
- Anti-throw screens are a requirement for all new infrastructure located above a rail corridor
- Works will generate low levels of noise.

Excavation of the egress shaft

South Yarra Siding Reserve
Ongoing to mid-2020



- Excavation of the tunnel egress shaft will continue throughout April
- Once completed, the egress shaft will provide essential access directly to the rail line for maintenance and work crews
- Excavation of the shaft will involve the use of a bulldozer and excavators.
- Once excavation is complete, steel will be used to create a support structure for the tunnel and concrete will be poured over the steel to reinforce the shaft
- Works will generate low to medium levels of noise.

Osborne Street bridge preparation works

Osborne Street
27 March to mid-May



- Works to prepare for the future connection between Osborne Street and the South Yarra Siding Reserve will begin in late March
- Concrete abutments will be installed at either side of the rail corridor to create a safe foundation for the future bridge structure to sit on
- A piling pad will be installed within the existing construction site on Osborne Street. The pad will provide a level surface for the piling drill which will be used to drill into the ground
- Piles will be installed under the ground level and then filled with concrete
- To complete the abutments, steel will be fixed to the piles, and concrete will be poured over the steel
- These works will involve the use of a compaction roller and will generate medium levels of vibration with some medium to high level noise
- Major bridge works are scheduled to begin in mid-2020, with urban design components of the bridge to be finalised later this year.

24/7 rail corridor works

Toorak Road to Chapel Street
Friday 17 to Monday 20 April



- 24/7 works will be taking place within the rail corridor over one weekend in April
- Works include undertaking minor maintenance within the tunnel entrance and along the rail corridor

- Maintenance works will involve the use of an elevated work platform and work crews using hand tools
- These works are expected to generate low to medium level noise.

TBM retrieval shaft base slab construction

Osborne Street
Ongoing to April 2020



- In March, the lowest level of strutting was successfully removed from the tunnel boring machine (TBM) retrieval shaft
- In April, construction of the structural walls within the shaft will continue. This includes reinforcement with formwork to facilitate additional concrete pours.

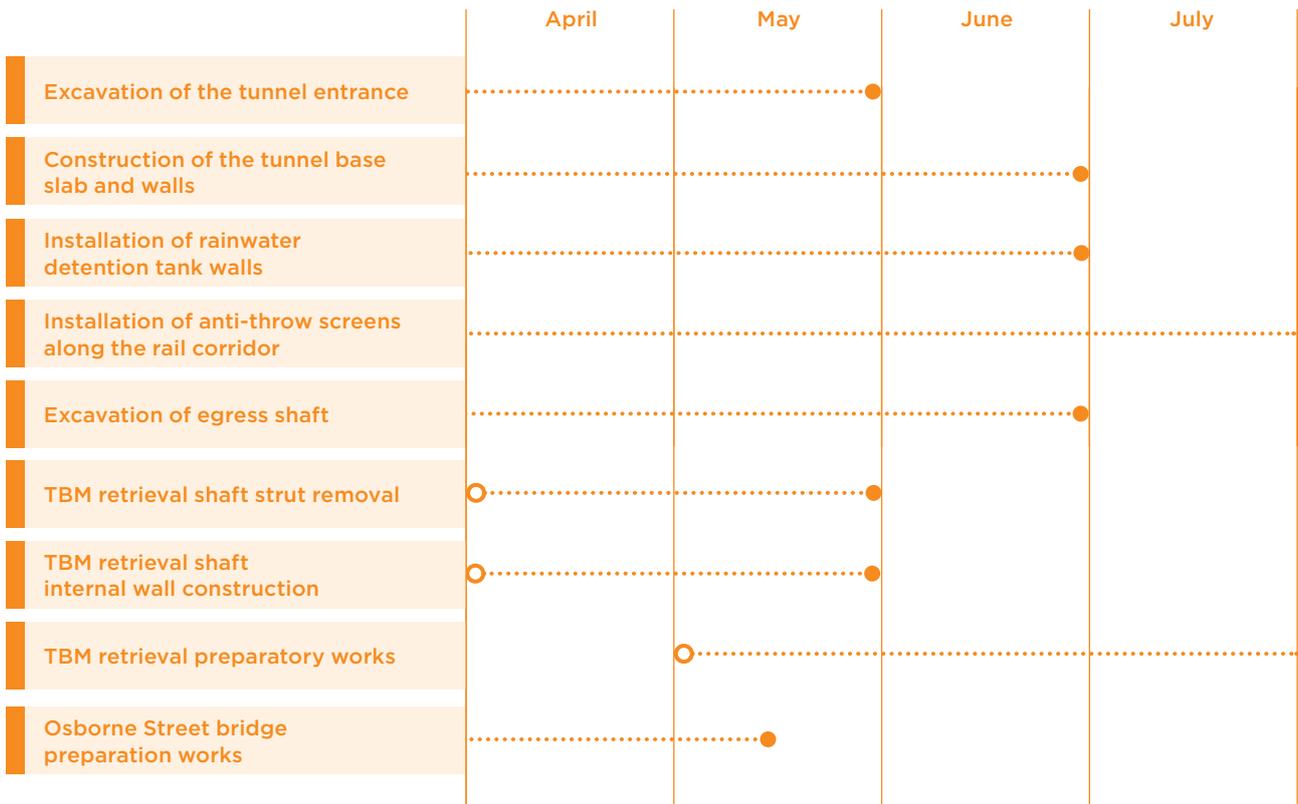
Traffic and transport impacts

The previously notified closure of Arthur Street, to install new drainage pipes under the road, will now take place in May. The new drainage will connect the rainwater detention tank to the existing stormwater system.

To complete these works, Arthur Street will need to be closed to all traffic for a period of time. Residents will be notified of the works closer to the date.



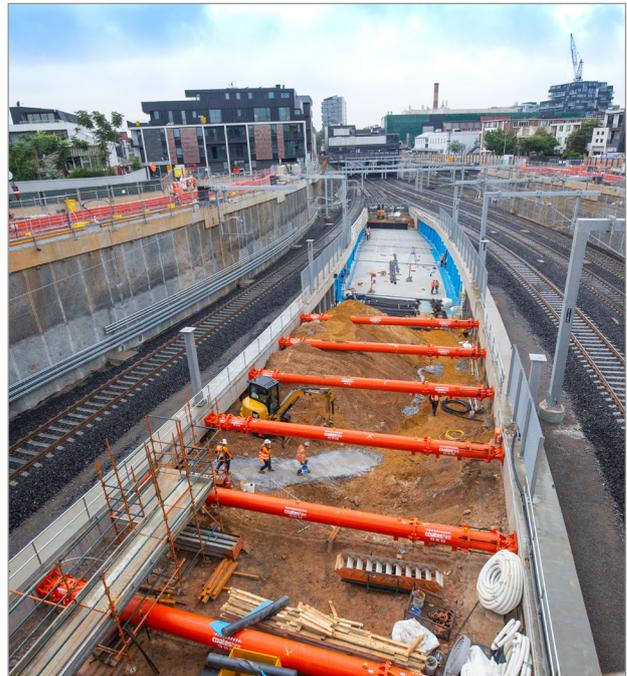
LOOK AHEAD FOR 2020



Terms Explained

South Yarra Siding Reserve detention tank

The detention tank that is currently being installed within the South Yarra Siding Reserve will ensure the future tunnel is protected from flooding. The detention tank will hold rain water, and slowly release it back into the stormwater system, preventing flooding and ensuring that passenger services are not disrupted.



Props supporting the new tunnel entrance in South Yarra

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)

Rail Projects Victoria
PO Box 4509, Melbourne, VIC 3001



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.