



# More Trains, More Services

Mascot Precinct Upgrade projects



## Work is progressing in Mascot

Transport for NSW (TfNSW) is continuing construction within the Mascot precinct of the Mascot Station Access Upgrade and the Mascot Power Supply Upgrade as part of the More Trains, More Services program.

Last month there were a number of changes in and around Mascot. These included the closure of the pedestrian path and one lane of O’Riordan Street between the Bourke Road intersection and King Street, which will be in place until Monday 31 January 2022.

Temporary traffic signals have also been installed at the intersection of Bourke and John Streets.

The crane that will assist with launching of our micro-tunnelling machine was delivered to site in readiness for the launch later this month.

Preparation has also begun for the construction of a new retaining wall that will support the future western entrance to Mascot Station with the crane and cage equipment required for the work delivered and set up.



*Work continues on the substation at 166 O’Riordan Street*



*Excavation of the launch shaft at 166 O’Riordan in preparation for the tunnelling this month.*

## What's planned next?

Planned construction activities in October for the Mascot Power Supply Upgrade include:

- Continuing to build the substation at 166 O'Riordan Street (including concreting and structural steel construction) with completion of the substation structure expected by May 2022.
- Excavation, and infrastructure set up at 166 O'Riordan Street in preparation for the commencement of tunnelling in late October. The micro-tunnelling machine will travel from 166 O'Riordan Street beneath Bourke Road towards the retrieval location on the western side of Bourke Street, with the work located entirely in the road reserve of Bourke Street.
- Concreting, removing ground water, and excavation on the western side of Bourke Street to enable the retrieval of the micro-tunnelling machine on completion of work in November.
- Underground tunnelling will commence from from 166 O'Riordan Street in late October, 24 hours a day and will take approximately 6 weeks. We do not expect this work to be noisy.

Works to upgrade Mascot Station in October include:

- Diaphragm retaining wall panel construction and excavation for the western station entrance which will continue until mid-November.
- Installation of a low voltage connection to a substation in John Street
- Installation of hoardings on the lower concourse of Mascot Station to enable construction of new toilets.



*Preparing for the new temporary traffic signals at the corner of Bourke and John Streets*

## Improved pedestrian access



During September, works were undertaken for installation of new temporary traffic signals at the intersection of Bourke and John Streets. These signals are now operational providing easier pedestrian access to the station and allowing improvements to the flow of pedestrian and vehicle traffic through Bourke Street.

Please follow the directional signage in place.

### Installation of diaphragm retaining wall for the new western station entrance at Mascot Station

As part of our works, a diaphragm wall (retaining wall) will be constructed within our site compound adjacent to the Tempo building.

Construction will take approximately 6 weeks and is expected to be complete in mid-November. Netting will be installed in front of a number of balconies facing the work to mitigate risks associated with the close proximity of the equipment. The project team has contacted these residents directly.

The diaphragm wall will act as a large, watertight retaining wall allowing for major excavation of the station entrance. Diaphragm (retaining) wall construction is a technique generally used when working in soft ground conditions. To construct the retaining walls, small sections of soil are excavated. During this activity, an engineered fluid called polymer is pumped into the excavation to stabilise the deep trench, preventing the trench from collapsing. There is no risk to building structures from this work.

During excavation, a crane will be mobilised to piece together a steel cage which will then be placed down into the trench. For a limited period during the soil excavation, you may notice a lingering odour due to the natural ground conditions, while this may unpleasant it is not toxic or harmful.



*The crane in position preparing for the retaining wall work*



## Aunty Recheal, our micro-tunnel boring machine soon to start work in Mascot

From late October Aunty Recheal will tunnel from a pit at the future substation site at 166 O’Riordan Street, about 400 metres beneath Bourke Road to the receiving shaft currently under construction on the corner of Bourke Street and Coward Street, Mascot near Nancy Bird Walton Reserve. This work will occur in the road reserve of Bourke Street.

The micro-tunnelling machine that will complete the work, has been named Aunty Recheal in recognition of Recheal Daley, New South Wales’ first female indigenous train driver and a true trailblazer of the NSW rail industry. Recheal’s story is an inspiring one having overcome many obstacles.

When complete, Aunty Recheal’s work will allow for cabling to connect the new substation at 166 O’Riordan Street to the T8 Airport Train Line under Bourke Street enabling more trains to service the community.

### Tunnelling Fast Facts

#### How deep will the tunnel be?

The tunnel will be approximately 8 metres below Bourke Street.

#### How long is the tunnel?

Stretching from the future substation site at 166 O’Riordan Street down Bourke Street to the retrieval shaft on the corner of Bourke and Coward streets the tunnel is approximately 400 metres long.

#### How long will the tunnelling take?

From the launch date at the future substation site until the micro tunnelling machine breaks through at the retrieval shaft, tunnelling is anticipated to take approximately 33 days. In tunnelling terms this is known as ‘the drive’.

#### How far does the micro tunnelling machine move each day?

The micro tunnelling machine will progress approximately 12 metres each day when in operation.



Map showing the underground tunnelling route



Pipe sections which will form substation Cable tunnel, arrived safely at Port Kembla last month

## When will work take place?

To support the construction industry through the COVID-19 pandemic, the NSW Government has extended an amendment to the legislation regarding standard construction hours. This amendment enables activities to be carried out between **7am and 6pm Monday to Sunday and public holidays**.

Some out of hours works may also be scheduled to ensure the safety of customers and workers, and minimise disruption to customers. The community will be notified ahead of any out of hours works.

## How we are considering the community?

We understand that due to the nature of our work nearby residents may hear and feel some of our construction activities and recognise that many of our neighbours are currently working from home. Transport for NSW and our project teams are committed to making every effort to manage and minimise the impact of our work including adhering to strict environmental conditions.

## Upcoming out of hours works

### Out of hours deliveries

Throughout October there will be early morning deliveries of equipment for the diaphragm/retaining wall work. Deliveries will enter via John Street at 4am and will be unloaded after 7am.

### Retrieval shaft - corner Bourke Street and Coward Street

Some works are planned to take place in our tunnelling retrieval shaft near Mascot Station on the corner of Bourke Street and Coward Street, outside of standard construction hours **between 6pm and 7am over approximately 7 nights in early October 2021**. We will contact residents who may be impacted by these out of hours work prior to commencing.

### Future substation site - 166 O'Riordan Street

As part of our works at 166 O'Riordan Street we need to undertake steel fixing work **between 6pm and 7am** in preparation for a number of concrete pours during October. While the majority of these concrete pours will be undertaken during standard construction hours, finishing work may need to be undertaken out of hours **between 6pm and 10pm throughout October**.

### Tunnelling work

Once the micro-tunnel boring machine is launched in late October it will operate 24/7 until it completes its journey in late November. We don't expect this work to be noisy, and every effort will be made to minimise disruption to the community.

Completion of all work is dependent on a number of factors including workforce availability due to the current Covid19 NSW Health guidelines, weather and site conditions and is subject to change. We'll keep our website, [www.transport.nsw.gov.au/mtms](http://www.transport.nsw.gov.au/mtms) updated with the dates the work will be carried out. If you have any concerns or would like to know more about this work please email us at [projects@transport.nsw.gov.au](mailto:projects@transport.nsw.gov.au) or call us on 1800 684 490.

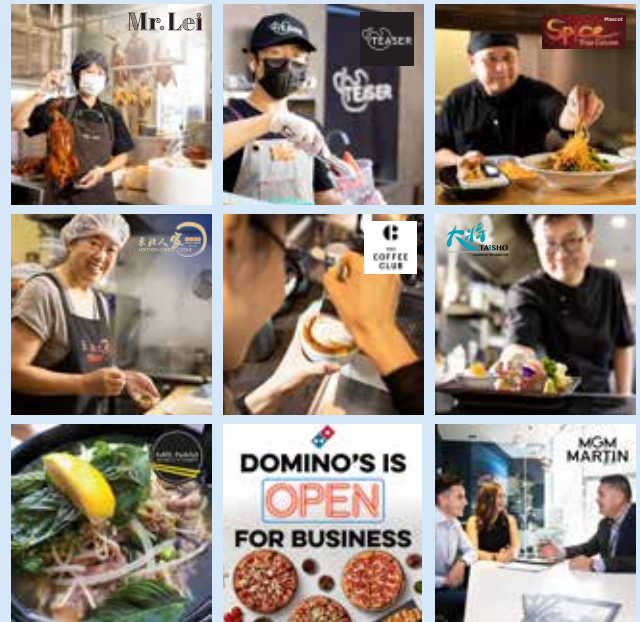
## Shop local at Mascot

Transport for NSW encourages you to support local businesses during the construction of the Mascot Station Upgrade.

During October why not visit the following local business along Bourke Street: Mr. Nam, Northern Chinese Cuisine, Spice Thai Cuisine Mascot, The Coffee Club, Taisho Japanese Restaurant, Mr. Lei, MGM Martin, Domino's and Teaser.

The NSW Government Dine and Discover vouchers have been extended to 30 June 2022 and can be used for takeaway and deliveries.

You can apply for vouchers by visiting: <https://www.service.nsw.gov.au/transaction/applydine-discover-nsw-vouchers>



### Contact us

For more information or to subscribe for project updates:



Project information line: **1800 684 490**



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[www.transport.nsw.gov.au/mtms](http://www.transport.nsw.gov.au/mtms)

### Translation



If you require the services of an interpreter, please contact the Translating and Interpreting Service on **131 450** and ask them to contact Transport for NSW on **1800 684 490**.

An interpreter will assist you with translation.