

Works Notice

July 2021

Northern Tunnel Portal construction update

Piling, excavation and concrete work is continuing for construction of the Northern Tunnel Portal structure within the Normanby rail corridor.

Upcoming night work at the Northern Tunnel Portal construction site

The Northern Tunnel Portal is where the two Tunnel Boring Machines (TBMs) will end their underground journey, with the tunnel and track connecting to the surface at this location.

To remove the TBMs from underground, a 15-metre-deep shaft will be excavated at the eastern end of the site near the pedestrian bridge that crosses the Inner City Bypass.

Excavation of the shaft will be a continuous process of 24-hour work from Monday to Saturday, involving:

STEP ONE

Excavate to a predefined level. May involve rock hammering.



STEP TWO

Install rock bolts, dowels or anchors

STEP THREE

Install vertical drainage on the shaft walls

STEP FOUR

Spray concrete between piles to stabilise walls (shotcreting)

This process will continue from July until we reach the bottom of the shaft which is expected in late 2021. We will keep you informed of progress.

TBM extraction

The first TBM is expected to reach the Northern Tunnel Portal in late 2021. Work to extract, clean and remove the large TBM pieces will be completed 24 hours per day, 7 days per week from late 2021 until early 2022.

More information about TBM extraction and removal will be distributed in the coming months.



Figure 1 Construction activity planned in the rail corridor next to the Inner City Bypass

TBMs on their way to the Northern Tunnel Portal

Cross River Rail's TBMs are continuing their journey with the first TBM is expected to reach the Roma Street site in the coming months. **Scan the QR code to track their journey to the Northern Tunnel Portal.**

TBM TRACKER



SCAN HERE

Northern Tunnel Portal construction site

Within the rail corridor at Normanby and Victoria Park



Site establishment Ongoing

- Delivering and removing oversized plant and equipment.
- Constructing an area to remove and dismantle two Tunnel Boring Machines (TBMs).
- Installation of the gantry crane that will be used to remove the TBMs.
- Reconstructing the site access road within Victoria Park

Excavation and construction of structure

Until late 2021

- Installing piles to support the Northern Tunnel Portal structure and preparation of the TBM extraction area. Piling is expected to be completed in July.
- Installing ground support anchors, vertical drainage and shotcrete.
- Constructing the concrete capping beam to connect the bored piles.
- Excavating, loading and removing excavated material with trucks.

Sewer relocation

Under the rail corridor at Normanby and within Victoria Park



Excavation, microtunnelling and construction of service pits

Throughout July 2021

- Delivering and removing plant and equipment.
- Building a new sewer pit on the northern side of the rail corridor.
- Decommissioning the existing sewer main.
- Reinstating Victoria Park work areas. Some temporary shared user path diversions may be required.

What to expect

- Construction activity with potential for an increase in noise, dust, vibration, truck movements and workers.
- Construction impact mitigation activities such as street sweepers and water trucks.
- Temporary traffic and pedestrian changes in Victoria Park.
- Work is subject to relevant approvals and suitable weather conditions.

Work hours



Standard construction hours

Standard construction hours are 6:30am to 6:30pm, Monday to Saturday.



Out of hours works

Some activities will be completed out of normal construction hours, 6.30pm to 6.30am, due to traffic permits, safety requirements and construction methodology. Nearby residents will be notified in advance via letterbox drop.



24 hours

Excavation of the TBM removal box and TBM removal activities will be undertaken 24 hours per day.

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