

Barangaroo Station

July 2023



An artist's impression of the station concourse and lifts

Construction update

In June, the construction team celebrated one million hours worked on the Barangaroo Station project. Above ground, we completed backfilling of the northern shaft and will shortly begin demolition of the acoustic shed. The shaft was built to launch and retrieve the tunnel boring machine and was then used to facilitate tunnel access for workers, materials and equipment.

The backfilling of the northern shaft and removal of the acoustic shed is a significant milestone for Sydney Metro City & Southwest, as work in the tunnels at Barangaroo is now complete. The team will now focus on reinstating and constructing the public domain area and road work. Sustainable concrete is being used for the backfill, comprising more than half cement replacement materials and recycled water. Approximately 7500 cubic metres of backfilling concrete is being used – enough to fill around three Olympic-size swimming pools. Once backfilled to surface level, Hickson Road will be reinstated on top of the shaft.

The acoustic shed has served an important role in the project's history, providing an acoustic barrier

between the heavy underground construction and local community.

Construction of the pods along Hickson Road has been ongoing since late August 2022 and is now nearing completion. The team is backfilling and waterproofing the area before Hickson Road is built in its final alignment. The Hickson Road pods will serve multiple purposes for the underground station, including supplying air for the station air conditioning system, providing emergency exit fire



Construction progress of the pods

stairs, and allowing removal and delivery of plant and equipment during the life of the station.

Installation of utilities, including for the seawater cooling system, stormwater and high voltage infrastructure along the foreshore at Nawi Cove, has been ongoing since October 2022. In coming months, the community will see the return of trees, benches and sandstone blocks as part of landscaping work to reinstate the Nawi Cove foreshore.

Underground, the platforms and concourse areas have been taking shape. Lifts are operational between the concourse and platform, ready to transport passengers when the station opens.

Glass side panels are now installed on the escalators that will take passengers from the concourse level to the platforms, 25 metres below ground. Installation of terrazzo flooring has commenced and essential plant rooms are being fitted out. The station fitout is expected to continue until the end of 2023.

Sydney Metro is Australia's biggest transport project

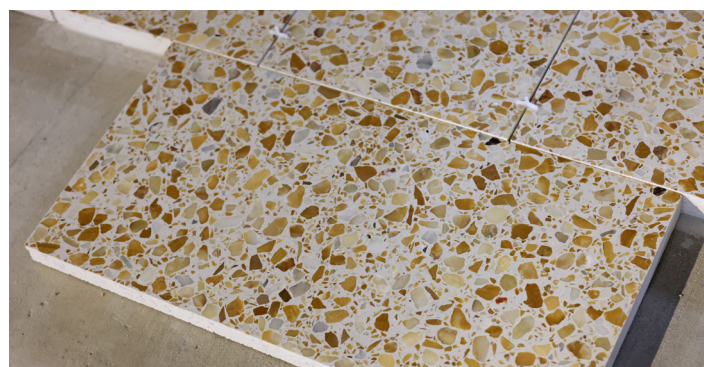
Services started in May 2019 in the city's North West with a train every four minutes in the peak. Metro rail will be extended from Chatswood into the CBD and beyond to Bankstown, with new metro stations at Crows Nest, Victoria Cross, Barangaroo, Martin Place, Pitt Street, Waterloo and new underground platforms at Central Station.

By 2030, Sydney will have a network of four metro lines, 46 stations and 113km of metro rail.

BESIX Watpac is delivering the station fitout and associated landscaping and civil works, including the re-alignment of Hickson Road.

Systems Connect (an unincorporated joint venture between CPB Contractors and UGL Limited) is delivering line-wide work, which includes installing metro rail track, power systems, communications, signalling systems and infrastructure to turn the excavated tunnels into a working railway between Chatswood and Sydenham.

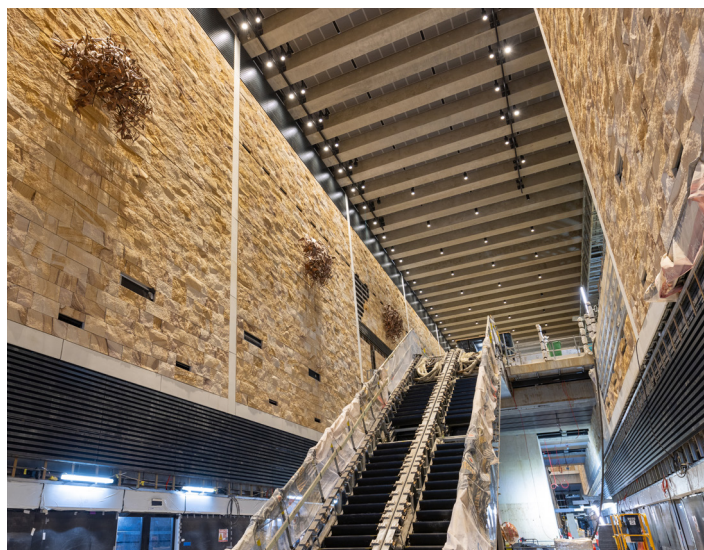
MTR Corporation is delivering the Trains, Systems, Operations and Maintenance (TSOM) work, which includes signalling and communications systems and platform screen doors.



Terrazzo flooring being installed on the platforms

Sandstone cladding and artwork installed at Barangaroo Station

Sandstone cladding, inspired by the natural sandstone commonly seen throughout Barangaroo, has been installed on the interior walls of the station. The cladding connects the project to the local area and pays tribute to the heritage features of the Cutaway, Nawi Cove and the heritage wall along Hickson Road.



Sandstone cladding and artwork installation

The solid Sydney sandstone panels are used in varying sizes and selected from various colour, veining and shade ranges. The panels are cut in a rough (split) finish to emulate the natural sandstone finish and reduce wastage.



7,286 sandstone panels



Placement and pattern of each panel individually designed



Rough face finish helps limit acoustic reverberation



Each tree sculpture is 4 metres in diameter

As a further tribute to the area's history, artist Khaled Sabsabi was commissioned to develop and install an artwork titled 'In time we shall' in the Barangaroo Station concourse.

The artwork relates to the native tree species used in the Barangaroo headland and provides an impressionistic representation of the changing natural landscape. It is made of copper and mild steel, and comprises circular bands around the columns and large sculptures fixed to the eastern concourse wall.

The artist chose to create this artwork as trees are common legends across many cultures, maintaining their mystique throughout time and place, including being called “the tree of life” and “the tree of knowledge”.



A close-up of the artwork at Barangaroo Station



Aerial view of the Barangaroo Station site from May 2023

History made with train testing under Sydney Harbour

In late April 2023, Sydney Metro successfully launched the first train into the City & Southwest line. The train entered the tunnels at Chatswood and passed through Crows Nest and Victoria Cross stations, before making its way under the harbour to Barangaroo Station.

On-track train testing and commissioning will continue throughout 2023, ahead of passenger services starting through the Sydney CBD in 2024.

This is the first railway crossing below Sydney Harbour. Once metro trains are operational next year, they will move more people across the harbour in peak hour than the Sydney Harbour Bridge and Sydney Harbour Tunnel combined.



Workers under Sydney Harbour installing the overhead wiring needed to power the driverless Metro trains

Construction lookahead

Activity (subject to change)	Q2 / 23	Q3 / 23	Q4 / 23	Q1 / 24
Relocation of the water treatment plant	●			
Station fitout	●	●	●	
Station testing and commissioning	●	●	●	●
Installation of utilities (drainage, sewer, power, water, communications)	●	●		
Decommission and backfill northern shaft	●			
Remove acoustic shed	●	●		
Construction of Hickson Road	●	●		●
Hickson Road traffic switch		●		
Landscaping	●	●	●	●

Want to stay up-to-date?

We will continue to provide regular updates through our monthly updates and weekly emails. If you would like to keep up to date with construction progress please contact barangroometrostation@transport.nsw.gov.au

Have your say

If you have any questions or would like more information please contact our project team:

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