



Formwork structures are an impressive sight inside of the Victoria Cross cavern

VICTORIA CROSS STATION

Formwork dominates inside the Victoria Cross cavern

With excavation of the largest rail cavern in Australia now completed, the current focus at Victoria Cross Station in North Sydney is installing the permanent concrete structure. This involves the large steel formwork followed by concrete pours to complete the structure and is expected to be finished around September this year.



The Victoria Cross cavern is the largest rail cavern in Australia

Formwork has also dominated the escalator shaft at the south site. This area will become the main entrance to the station from the future development at 155 Miller Street.

Installing the formwork has involved the design and assembly of a complex and innovative structure that has been more than 12 months in the making. This bespoke

structure is the first form of its type in Australia. It includes an incline traveller which ascends and descends at a 33-degree incline using a hydraulic system. This formwork is also unusual because its construction includes timber as well as steel. The structure has now been installed in the shaft and weighs over 45 tonnes.

With the formwork in place, the team is in the process of doing six concrete pours, which will complete the lining of the escalator shaft's walls and roof. This activity is expected to be completed during August.

Sydney Metro is Australia's biggest public transport project. It will transform Sydney, delivering more trains and faster services for customers across the network.

Sydney Metro City & Southwest extends the new metro network from the end of Sydney Metro Northwest at Chatswood, under Sydney Harbour, through the CBD, and west to Bankstown.

John Holland CPB Ghella (JHCPBG) is building the 15.5 kilometre long twin railway tunnels between Chatswood and Sydenham and excavating six new metro stations.

Three-month look ahead

Activity (subject to change)	August	September	October
Excavation of the south shaft	●	●	●
Delivery and demobilisation of plant and equipment	●	●	●
Removal of excavated material from site	●	●	●
Concrete pours to line the pedestrian and service tunnels	●	●	
Assembly and removal of steel form work	●	●	●
Installation of banners on permanent site hoarding at the south site	●		
Removal of site power supply and infrastructure including base slab (Miller Street south site)		●	●
Commence removal of northern shed			●

Project update along the Sydney Metro City & Southwest alignment

As the John Holland CPB Ghella (JHCPBG) tunnelling and station excavation portion of the project nears completion, our team has begun handing over our sites to follow-on contractors. The future Waterloo station in Sydney's south has now been handed over to the integrated station development team who will deliver the station and the new Metro Quarter development.



Inside the completed Crows Nest Station box

Meanwhile, the tunnels leading from the Marrickville dive site into the city have been completed and handed over to Systems Connect, the contractor responsible for installing the rail tracks, power systems and supporting infrastructure. In the north, the Crows Nest station box is now complete and has been handed over to Sydney Metro, while the tunnels between Chatswood and Crows Nest have also been handed over to Systems Connect.



Sections of completed tunnels are now ready for track installation

In other areas of the alignment, excavation of the escalator barrel from the surface at Martin Place down to the future metro platforms has been completed. At Barangaroo, major work is underway where the rail crossover cavern is being built. The crossover will allow metro trains to switch tracks if required.



The location of the future escalator barrel at Martin Place Metro Station

At Victoria Cross, JHCPBG has been asked to facilitate some activities to assist the follow-on integrated station development contractor. This includes removal of the shed at the Victoria Cross north site which will commence later this year.

Want to stay up to date?

Register today for community email updates at tunnels@transport.nsw.gov.au.

Contact us

For more information, enquiries or complaints please contact us at:

1800 171 386 24-hour community information line

tunnels@transport.nsw.gov.au

sydnymetro.info

www.facebook.com/SydneyMetro

Sydney Metro City & Southwest
PO Box K659, Haymarket NSW 1240

If you need an interpreter, call TIS National on **131 450** and ask them to call **1800 171 386**