



The Barangaroo team recently completed the largest concrete pour in a single day on the project

Barangaroo Station concourse nearing completion

Major works are underway at the Barangaroo Station site, where the JHCPBG team is focusing on the concourse level of the station. The concourse sits about 10 metres above the rail track level and is divided into three main areas (north, central and south). It is made up of 98 pre-cast concrete beams, some up to 15 metres long. The beams were lifted one by one from the surface into the station box where they were installed next to each other to form the concourse.

More than 2,700 cubic metres of concrete has now been poured in the concourse to form a layer across the top. Works on the concourse are expected to be finished by the end of the year.



The innovative self climbing scaffold system used to construct the perimeter walls of the station box

The permanent concrete lining for the perimeter walls of the station box are also nearing completion. A total of 6,500 tonnes of steel and 11,000 cubic metres of concrete will be used to build the perimeter walls. An innovative method is being used for the lining which reduces the risk of damaging the waterproofing system while constructing the reinforced concrete walls.

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)	December	January	February
Barangaroo Station concourse construction	•		
Barangaroo Station perimeter wall construction	•	•	•
Crossover cavern structural works	•	•	•
Barangaroo foreshore reinstatement	•	•	•
Steel fixing, formwork, concreting and delivery of oversized precast concrete beams for the Barangaroo Station roof construction			•

Project update along the Sydney Metro City & Southwest alignment

As the tunnelling and station excavation portion of the project nears completion, the JHCPBG team has begun to hand over other sites to follow-on contractors.

The Chatswood Dive site was recently handed over to the line-wide contractor, Systems Connect, who is now delivering line-wide work to turn the tunnels into a working railway.

The tunnels from the Marrickville dive site to Pitt Street Station as well as the northern tunnels between Chatswood and Victoria Cross Station were handed over to follow-on contractors earlier this year, together with the newly excavated Crows Nest Station and Waterloo Station.

Elsewhere, the Martin Place South site was recently handed over to Macquarie Group and their construction contractor, Lendlease who is delivering the integrated station development at Martin Place. The Pitt Street Station site and Martin Place Station caverns are in their final phases of work, ready for handover this month.

At Victoria Cross Station in North Sydney, the permanent concrete lining of the largest rail cavern in Australia is now complete and the shaft excavation at Victoria Cross South is nearing completion. At the Marrickville stabling yard, work will continue into 2021 to upgrade the stormwater drainage system and utility services in the surrounding area.

Crossover cavern and under harbour tunnels update

The roof lining of the crossover cavern is now complete, with work underway for the permanent structures which will house the operational systems at Barangaroo for the new Sydney Metro trains.



Over 2,500 tonnes of steel will be used to form the permanent structures inside the Barangaroo crossover cavern

In the under harbour tunnel, all cross-passage works are now complete, including the concrete slab which runs along the bottom of the tunnels.

The under harbour tunnels and Blues Point site are expected to be handed over in the coming months to follow-on contractor – Systems Connect (an unincorporated joint venture between CPB Contractors and UGL Limited) who is now delivering line-wide work across the project to turn the tunnels into a working railway.

At the foreshore, pedestrian walkway reinstatement between Nawi Cove and Barangaroo South is progressing well. Current work involves installing drainage and building retaining walls. The walkway is expected to reopen to pedestrians in the first quarter of 2021, weather and site conditions permitting.

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