

Five Dock station sites.

Cavern lining works continue and site demobilisation starts at Five Dock

October 2024

The NSW Government is delivering Sydney Metro West, a new underground metro railway which will double rail capacity between Parramatta and the Sydney CBD, link new communities to rail services and support employment growth and housing supply.

Sydney Metro West stations have been confirmed at Westmead, Parramatta, Sydney Olympic Park, North Strathfield, Burwood North, Five Dock, The Bays, Pyrmont and Hunter Street in the Sydney CBD.

Two potential station locations are being investigated west of Sydney Olympic Park, including one at Rosehill Gardens which could support a significant increase in housing.

Acciona Ferrovial Joint Venture (AFJV) has been awarded the contract to deliver 11 kilometres of twin metro rail tunnels between The Bays and Sydney Olympic Park and excavate five new metro stations including one at Five Dock.

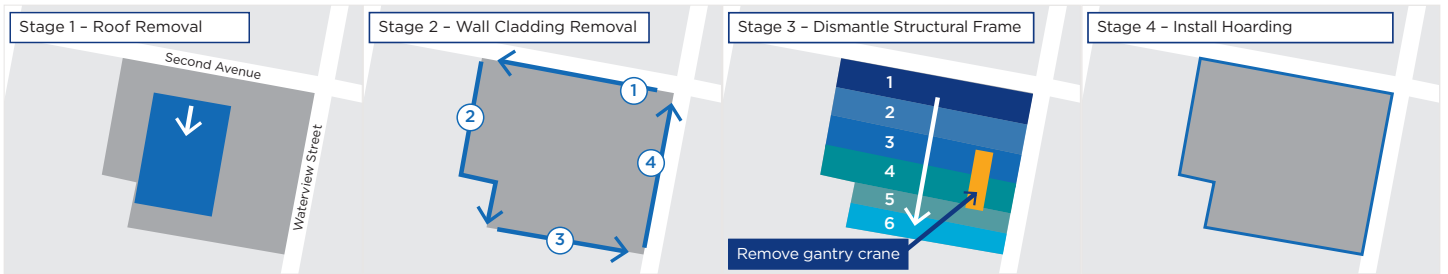
Five Dock construction update

The two Central Tunnelling Package TBMs, Beatrice and Daphne started tunnelling from The Bays Station site in 2023 and have now completed their 11-kilometre twin tunnel excavation journey by reaching Sydney Olympic Park in early October 2024.

At Five Dock cavern lining activities are ongoing and will continue until early 2025. These works include lining the walls and ceilings with waterproof material and building two different types of specialist scaffolding for the sidewalls and the ceiling. This scaffolding will allow progressive concrete lining of both the sidewalls and the ceiling.

With TBM tunnelling work now complete, AFJV will start site demobilisation activities at the Five Dock station sites towards the end of 2024. These works will take up to six months to complete before the site is handed back to Sydney Metro in preparation for the next stage of the project, which will include station construction.

To complete these final activities, there will be a higher than normal volume of deliveries to and from the Five Dock station sites over the next six months.



The eastern construction site demobilisation stages.

Site demobilisation works to start

In November demobilisation activities will start at the western and eastern construction sites. These will be the final activities to be completed by AFJV. Over the upcoming months, the team will start to remove all plant, machinery, equipment, and hard standing structures and surfaces, so the sites can be returned to secured empty lots ready for handover to Sydney Metro.

Demobilisation of the eastern construction site (pictured above) will be completed in four (4) stages.

Stage 1) installing scaffolding then removing a section of the roof and bringing in a crane to assist with all demobilisation activities.

Stage 2) using the crane to remove the wall cladding from the outside of the shed in an anti-clockwise sequence.

Stage 3) will be completed in six (6) sections. The supporting beams within each section will be unbolted one segment at a time with all materials removed from site, before work starts on the next section.



Formwork delivery and lift using a 250 tonne crane at the Five Dock station site.

Once the supporting beams have all been removed the gantry crane structure will be lifted out of the site using a larger crane.

Stage 4) Hoarding will be installed around the perimeter of the sites before they are handed back to Sydney Metro.

Construction look ahead	Nov	Dec	Jan	Feb	Mar	Apr
Tunnelling support activities	●	●	●			
Station cavern lining	●	●	●	●	●	
Site demobilisation activities	●	●	●	●	●	
Finalise site hoarding and fencing					●	●
Site handover						●

Construction activity (subject to change) ●

The Central Tunnelling Package virtual engagement room for Sydney Metro West is now live.

To learn more about important aspects of the project visit caportal.com.au/afjv/ctp/virtual or scan the QR code.



Construction timeline

2022	2022-2023	2023	We are here	→	2032
Demolition and site establishment	Shaft excavation	Shaft and cavern excavation, and TBM arrival	Station lining, tunnelling support and site demobilisation		Sydney Metro West opens

Have your say

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

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