



Australian Government



**Sydney Metro –
Western Sydney Airport**



Tunnel boring machine Nancy breaking through at Barangaroo metro station on Sydney Metro, City & Southwest.

Major tunnelling contract awarded

January 2022

Sydney Metro is Australia’s biggest public transport project transforming Sydney with a world-class metro. Sydney Metro – Western Sydney Airport is the new metro railway line which will service Greater Western Sydney, connecting the Western Sydney Aerotropolis and the new Western Sydney International (Nancy-Bird Walton) Airport with St Marys and the existing Sydney Trains suburban T1 Western Line.

In July 2021, the project received planning approval, giving the green light for construction on the 23-kilometre railway to begin. The new metro service will become the transport spine for the region’s growth for generations to come, with six stations to be built along the alignment at St Marys, Orchard Hills, Luddenham, Airport Business Park, Airport Terminal and the Aerotropolis.

Sydney Metro – Western Sydney Airport will connect Western Sydney to greater job opportunities, health and education services, and leisure activities. With fast, frequent services and driverless trains like the rest of the Sydney Metro system—customers won’t need a timetable, they’ll just turn up and go. Passengers will be able to travel from the Airport terminal to St Marys in 15 minutes and the length of the alignment in 20 minutes.

Early work started on Sydney Metro – Western Sydney Airport in December 2020. The Australian and NSW governments have a shared objective of having Sydney Metro – Western Sydney Airport operational when Western Sydney International is planned to open for passenger services.

Major tunnelling contract awarded

Greater Western Sydney’s new metro railway is one step closer after a \$1.8 billion contract was awarded to build new twin metro rail tunnels. The first of four mega tunnel boring machines will be in the ground by early 2023, under the contract awarded to CPB Contractors and Ghella.

Construction work will now begin to deliver 9.8 kilometres of twin rail tunnels in two sections. The 4.3 kilometre northern tunnel runs from St Marys to Orchard Hills and the 5.5 kilometre southern section of tunnel runs between the Airport Business Park and the Aerotropolis.

Construction sites will be established in St Marys and within the footprint of Western Sydney International from early 2022, with the Claremont Meadows, Orchard Hills, Bringelly and Aerotropolis sites to follow mid-year.

Fun fact

Did you know a tunnel boring machine (TBM) is about the length of two A380 aircraft (approximately 120 metres)? A TBM digs the tunnels, lines the tunnel with concrete ring segments, and moves forward at around 100m per week.

The year ahead

In the coming months, the contract to build more than 10 kilometres of viaducts, bridges and embankments to support railway tracks and associated infrastructure will be awarded.

The two organisations shortlisted to tender for the Surface and Civil Alignment Works contract are: CPB Contractors Pty Ltd; and Acciona Construction Australia Pty Ltd.

This contract will employ a range of civil engineering trades and specialist services including drainage and ground workers, steel-fixers and concrete workers, earthmoving plant operators, truck drivers, piling contractors, crane operators, general labourers, pre-cast operators, surveillance officers and security guards.

Work will begin in the coming months to deliver the St Marys footbridge work, to support the design and development of the St Marys metro station.

By the end of 2022, the third and final contract package will be awarded for the Stations, Systems, Trains, Operations and Maintenance contract. The three organisations shortlisted to tender for this package of work are: Bradfield Metro, Parklife Metro and WestGo. The successful tenderer will build six new metro stations and elements of the surrounding precincts, the stabling and maintenance facility, provide rail infrastructure and systems required for the supply, commission and operations of the new trains, and run the Sydney Metro – Western Sydney Airport line when operational.

Work happening now

Transport for NSW is adding an additional two levels to the existing multi-storey commuter car park on Harris Street, St Marys. Works commenced mid 2021, delivering an additional 250 commuter spaces. Construction of the additional levels is on track to be completed within the coming months, prior to main construction of the metro. Thank you for your patience whilst these essential works are undertaken. A new site compound has been established in the Harris Street at-grade car park to assist our partner, Transport for Tomorrow, to undertake the signalling, cabling and other enabling works.

Veness Place car park changes

The existing bus interchange area at Station Street, St Marys is required for the construction of the St Marys metro station. To continue bus operations, the bus interchange has been temporarily relocated to the Veness Place car park, across the road. The car park closed in September 2021. Alternative parking is available in the car parks on Gidley Street and Carinya Avenue for Town Centre shoppers.

As part of these works, the taxi rank has moved from Station Street to Queen Street, beside St Marys Station entrance at the former kiss and drop zone. The kiss and drop zone has moved to Nariel Street.

A new pedestrian crossing will also be installed in between Nariel and Station Streets. The N70 night ride bus stand on Station Street outside Veness Place car park has been closed, with all N70 services operating from the one stand across the road near the current bus interchange.

In early 2022 when the temporary bus interchange is complete, buses will operate at Veness Place and the existing bus interchange at Station Street will become a construction site for Sydney Metro.

Road widening works

Work continues to widen the road along the northbound section of Glossop Street, between Chesham and Hobart Streets. Transport for NSW are widening Glossop Street from two lanes to three and adding a dedicated left turn slip lane to improve access into the rail corridor and Sydney Metro construction site in St Marys. These works are due for completion in early 2022.

In early 2022, Transport for NSW will also start construction to install two pedestrian crossings near the roundabout intersection of Phillip and Lethbridge Streets. Work will include the installation of pedestrian safety barriers, the removal of concrete road islands, and upgraded street lighting. This work will improve safety and visibility for drivers and pedestrians and access for heavy vehicles used in the construction of the temporary bus interchange and the Sydney Metro – Western Sydney Airport project.





An artist's impression of inside St Marys Station.

What's next

To prepare for the start of construction along the alignment at metro station sites, site establishment works will be undertaken over the coming months and include site investigations, surveying, archaeological investigations and service identification. To ensure the safety of the community and workers, hoarding will be installed around the project sites prior to works starting to remove existing buildings. There will be workers in and around the site during this time to prepare the site. Sydney Metro is committed to ensuring the health and safety of workers and the community.

Power supply works

New cables will be laid underground to provide a dedicated power supply source to the Tunnel Boring Machines (TBMs) for Sydney Metro – Western Sydney Airport. The contract for the power supply route has been awarded to Quickway. Work will commence in early 2022. The community and stakeholders will be kept well informed well in advance of any work via community notifications.

Minimising construction impacts

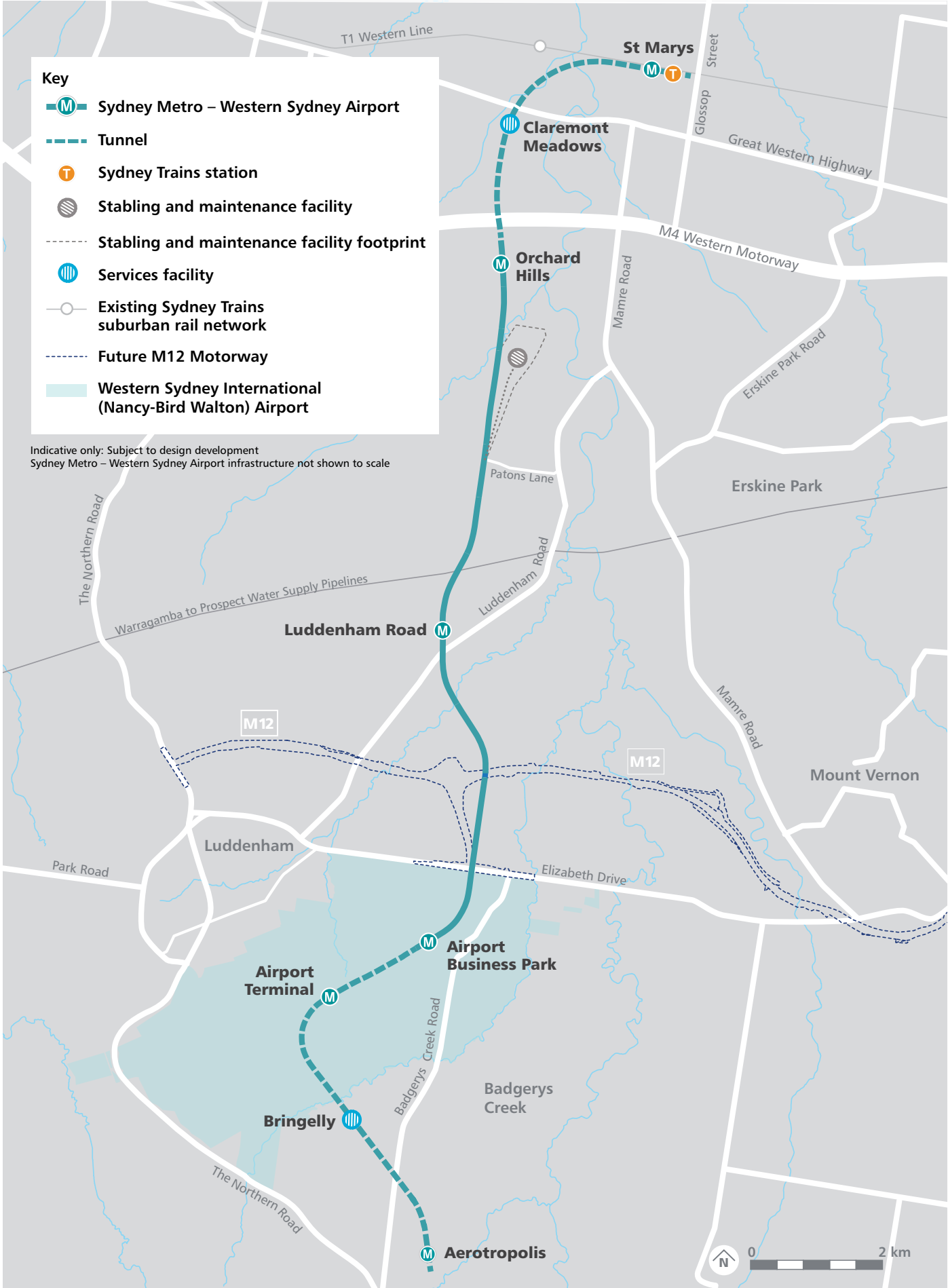
Specific measures to manage noise, vibration, dust and traffic have been identified through the planning process. This includes using practical measures like hoardings and acoustically sealed sheds in some locations. We will continue to work with the community to consider construction methods that would further reduce impacts. We will inform nearby residents before the works commence.

Minimising traffic impacts

Traffic, pedestrian and cycle routes will be managed to minimise disruption and congestion around the construction sites. Traffic management plans for each area will be developed in close consultation with local councils and traffic authorities. We have planned our haulage routes to minimise the use of local roads and potential interfaces with pedestrians, cyclists and road users as much as possible. Some sites will require temporary changes to the road network and bus stops. We will inform the local community before these works take place.



Left: Work underway on the Harris Street multi-storey commuter car park.



Project alignment map.



An artist's impression of Luddenham Station.

Construction hours

Work on the Sydney Metro – Western Sydney Airport metro station sites will generally be undertaken during standard construction hours:

Monday to Friday 7am – 6pm and Saturday 8am-1pm. These hours are dependent on public health order advice and are subject to change. Work may be required outside of standard construction hours to ensure the safety of workers and the community. Businesses and residents will be notified in advance of any out-of-hours work.

Working with other projects

Sydney Metro recognises there are a number of major infrastructure projects underway and planned in Greater Western Sydney. These projects will support growth and underpin the development of key precincts in the Western Parkland City.

Sydney Metro is working closely with local councils, Australian and NSW Government agencies and stakeholders to coordinate construction programs and, where possible, integrate work to minimise impacts on the community. We're doing this by combining project information across agencies to give residents the full picture of what's happening locally and working together to coordinate construction programs and traffic arrangements



M12

The Department of Planning and Environment (DPE) has approved the M12 Motorway, a major step towards delivering direct access to the new Western Sydney International. The Sydney Metro – Western Sydney Airport project and the M12 will provide airport users with fast, easy access to the airport and the two projects are working closely together to integrate their construction and operation.

Aerotropolis – Bradfield City Centre

The NSW Government has committed over \$1 billion to kick start work on the Bradfield City Centre, Australia's newest, most advanced, green and connected city. Subject to the necessary planning approvals, the city centre will feature 36 hectares of proposed open green space including parks, plazas and waterways. Located on the doorstep of the new Western Sydney International airport and at the southern end of the Sydney Metro – Western Sydney Airport alignment, the Bradfield City Centre will help to create thousands of jobs and opportunities for residents of the Western Parkland City.

Airport

Western Sydney International (Nancy-Bird Walton) Airport's terminal design brings together world's best practice to offer passengers and airlines an experience unrivalled among Australian airports. Drawing on Australia's natural beauty, the region's rich Aboriginal heritage and strong sustainability principles, the design is an evolution of the initial concepts released two years ago. The contract to deliver the final design and build the terminal has been awarded to Australian-founded company Multiplex, who started terminal construction at the end of last year.

Left: Work continues on the caverns at Pitt Street North Pitt Street North, Sydney Metro City & Southwest

Key features



A new transport spine for Greater Western Sydney, connecting residents to greater job opportunities, health and education services, and leisure activities



A fast, frequent connection between the new Western Sydney International (Nancy-Bird Walton) Airport and the existing Sydney Trains network at St Marys







A city-shaping mass transit investment that will support the development of the Western Sydney Aerotropolis, a new centre of innovation, research and productivity that will attract jobs and investment to the region.



Creation of integrated stations and surrounding precincts, delivering vibrant places that include a range of community facilities

Contact us

Sydney Metro – Western Sydney Airport

-  **1800 717 703** Community information line open 24 hours
-  **sydneymetrowsa@transport.nsw.gov**
-  **Sydney Metro – Western Sydney Airport** PO Box K659, Haymarket NSW 1240
-  If you need an interpreter, contact TIS National on **131 450** and ask them to call **1800 717 703**

Interfacing projects in Greater Western Sydney




We are coordinating how we communicate with the local community to ensure residents and businesses understand who is carrying out the work and who to contact with any enquiries or complaints. If you have any questions or need to contact a particular project, use the reference below for the right project contact details.

The Western Parkland City Authority hosts a community information portal where you can go to find out what is happening with major government projects in your neighbourhood. Updated regularly, the portal provides information on major government projects planned and underway in the Aerotropolis. Please visit the portal at <https://wpca.sydney/coordination/major-projects-community-information-portal/>



Western Sydney Airport

-  **1800 972 972**
-  **info@wsaco.com.au**
-  **westernsydney.com.au**
-  **Western Sydney International Experience Centre, 100 Eaton Road, Luddenham NSW 2745**

Transport for NSW – M12 Motorway

-  **1800 517 155**
-  **m12motorway@transport.nsw.gov.au**
-  **nswroads.work/m12**

Sydney Water

-  **1800 238 881**
-  **uppersouthcreek@sydneywater.com.au**




Department of Planning and Environment

-  **1300 420 596**
-  **aerotropolis@dpie.nsw.gov.au**
-  **planning.nsw.gov.au/aerotropolis**

Transport for NSW – Roads and car park projects

-  **1800 684 490**
1800 775 465 emergency 24/7
-  **projects@transport.nsw.gov.au**
-  **transport.nsw.gov.au/projects**

Western Parkland City Authority – Aerotropolis

-  **1800 312 999**
-  **hello@wpca.sydney**
-  **wpca.sydney**