

Warringah Freeway Upgrade and Western Harbour Tunnel

Work notification | Out of hours work three month lookahead

July - September 2024



We acknowledge the Traditional Custodians of the Countries on which The Warringah Freeway Upgrade and Western Harbour Tunnel Stage 2 are being constructed, including the Cammeraygal, Gadigal and Wangal peoples, as well as the Aboriginal peoples of Emu Plains, and we pay respect to Elders past and present.

We are simplifying the Warringah Freeway, making it safer and easier to use, and more efficient and reliable for the benefit of all road users, including public transport users. The upgrade will connect with the Western Harbour Tunnel to create a western bypass of the Sydney CBD, taking pressure off the Sydney Harbour Bridge, Sydney Harbour Tunnel and Anzac Bridge.

Bridge girders link communities

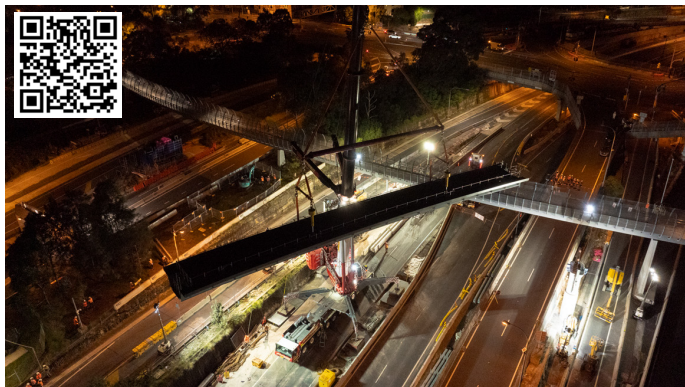
We have made significant progress on bridge girder installation for the Warringah Freeway Upgrade. Steel girders weighing up to 120 tonnes were installed at Ridge Street, North Sydney, and Falcon Street, Cammeray, with traffic diverted off the freeway during weekends to facilitate this work.

The Warringah Freeway Upgrade includes the construction and modification of twelve structures, including bridges, ramps, and underpasses, some of which were built over 50 years ago.

These structures connect communities across the freeway from east to west and streamline traffic movement onto the freeway northbound and southbound.

Shared user bridges are a key element of the project and have been designed to link communities with pathways and cycleways, making walking and cycling safer and easier.

Scan the QR code to view the 'Building bridges and structures fact sheet'.



The first Falcon Street shared user bridge girder lifted into place on 9 June 2024

Ridge Street launches roadheader

The Western Harbour Tunnel Stage 2 project is making great progress with the establishment of the Berry Street construction support site, continuing tunnelling in Cammeray and launching the first roadheader to begin tunnelling at our Ridge Street construction site.

In May the project began excavation of the Falcon Street off ramp from the Ridge Street temporary construction site, North Sydney.

The roadheader is currently excavating the top of the eight-metre-high tunnel, with a second roadheader being delivered later this year to help speed up the ramp excavation.



The first roadheader launched from the Ridge Street temporary construction site in May 2024

Work outside standard construction hours

Standard out of hours work that impacts residents next to work areas will continue to be carried out for up to three nights per week and up to 10 nights per month, with no more than two consecutive nights of high noise work.

There are occasions when we alter this standard sequence and work consecutive days and nights over weekends. Weekend work takes place from Friday night to Monday morning, and on long weekends from Thursday or Friday night to Monday or Tuesday morning. In this instance, we make productive use of lower traffic volumes in Sydney to set up road closures and complete as much work as we can over the weekend, expediting the overall project work schedule.

We will consult with the community, seek approval from the NSW Environment Protection Authority (EPA) and notify the community before carrying out weekend work. Community notifications will provide dates and times of work along with details about the expected impact to you.

Why we work outside standard construction hours

We need to work outside standard construction hours to mitigate a range of safety and operational risks, including:

- safety space – to reduce interactions between motorists, pedestrians and workers when we are building over or next to roads and live traffic
- traffic management – when we work next to, over or on existing roads we may need to stop, detour or reduce traffic to one lane
- service and utility disruptions – to minimise disruptions to essential services and utilities for local communities
- oversized deliveries – to allow delivery of oversized machinery or structures that police or other authorities determine require special arrangements to transport along public roads
- some emergency works that immediately impact road safety.

Tunnelling will be carried out 24 hours a day, seven days a week.

Standard work hours

Where possible, we will carry out work during the day, however, ongoing work outside of standard construction hours will be needed to maintain safety for road users and workers, and to keep people moving during peak travel times. Our approved standard construction hours are **7am to 6pm Monday to Friday and 8am to 6pm on Saturday.**

How we manage our work

Our work activities will often require the use of machinery that generates noise, light and vibration. To minimise the impact of this work we will:

- turn off machinery when not in use
- install hoarding or shade cloth around our temporary construction sites, where possible
- use acoustic blankets to minimise noise, where feasible
- direct temporary lighting down and away from properties
- plan activities that are close to residents during standard construction hours or early evening, where possible
- fit equipment with devices to minimise noise, particularly non-tonal reversing beepers
- monitor noise periodically so we can manage any potential impacts and adjust our work as required.

All work will be carried out in line with the projects' environmental approvals.

Managing construction noise

In April 2022, the EPA issued an Environmental Protection Licence (EPL) to the Warringah Freeway Upgrade contractor, CPBDTI Joint Venture (CPBDTI JV). As identified in the EPL, as well as CPBDTI JV's approved Construction Noise and Vibration Management Plan and approved Construction Noise and Vibration Impact Statements (CNVIS), CPBDTI JV is required to undertake noise modelling and monitoring when construction activities start. The CNVIS are submitted to the EPA and an independent acoustic advisor. To view these documents, visit nswroads.work/wfuportal.

In May 2023, the EPA issued an EPL to the Western Harbour Tunnel Stage 2 contractor, ACCIONA. As identified in the EPL, as well as ACCIONA's approved Construction Noise and Vibration Management Plan and approved CNVIS, ACCIONA is also required to undertake noise modelling and monitoring when construction activities start. The CNVIS is publicly available online and endorsed by an independent acoustic advisor. To view these documents, visit nswroads.work/whtportal.

Warringah Freeway Upgrade and Western Harbour Tunnel Stage 2 out of hours work activities

July – September 2024

Map Ref.	Locations	Activity
1	Warringah Freeway between Sydney Harbour Bridge, Milsons Point and Ridge Street, North Sydney	<p>WFU main work (CPB & DTI Joint Venture):</p> <ul style="list-style-type: none"> locating services and utilities and inspecting existing infrastructure sign gantry work, including piling, concreting, steel erection and excavation surveying installing concrete barriers altering existing line marking establishing temporary construction sites constructing retaining wall earth work including installing drainage <ul style="list-style-type: none"> constructing new concrete pavement constructing the new southbound bus ramp on the existing Mount Street bridge constructing new stormwater infrastructure constructing new ITS infrastructure
2	Arthur Street, Pacific Highway, Mount Street, Alfred Street North, High Street, Lavender Street, Whaling Road, North Sydney	<p>WFU main work (CPB & DTI Joint Venture):</p> <ul style="list-style-type: none"> locating services and utilities, and surveying inspecting existing infrastructure installing concrete safety barriers altering existing line marking installing signage establishing temporary work areas including temporary fencing demolishing and reconstructing road pavement and structures excavation bridge work, including piling, reinforcing concrete, demolition, installing steelwork and deck construction <p>WHT (ACCIONA):</p> <ul style="list-style-type: none"> constructing new retaining walls installing drainage pits and pipes removing and installing street lights removing and relocating traffic lights sign gantry work, including piling, concreting, steel erection and excavation constructing Mount Street underpass realigning Alfred Street North between Mount and High Street utilities investigation
3	Alfred Street North between Mount Street bridge and Ridge Street, North Sydney	<p>WFU main work (CPB & DTI Joint Venture):</p> <ul style="list-style-type: none"> realigning the intersection of Alfred Street North off ramp and Mount Street, including changing the location of the Mount Street on ramp locating services and utilities, and surveying removing and relocating services inspecting existing infrastructure investigating geotechnical and pavement installing concrete safety barriers altering existing line marking <p>WHT (ACCIONA):</p> <ul style="list-style-type: none"> establishing temporary work areas piling constructing new retaining walls and removing existing retaining walls sign gantry work including piling, concreting, steel erection and excavation construction of new Alfred Street North viaduct installing drainage, pits and pipes construction of Mount Street underpass CCTV investigation
4	Berry Street between Pacific Highway and Arthur Street, North Sydney	<p>WFU main work (CPB & DTI Joint Venture):</p> <ul style="list-style-type: none"> sign gantry work including piling, concreting, steel erection and excavation <p>WHT (ACCIONA):</p> <ul style="list-style-type: none"> utilities investigations
5	Berry Street on ramp to Warringah Freeway northbound, North Sydney	<p>WHT (ACCIONA):</p> <ul style="list-style-type: none"> concreting work installing hoarding <p>WHT (ACCIONA):</p> <ul style="list-style-type: none"> plant movements and oversized deliveries utilities investigation
6	WFU Ridge Street temporary construction site, North Sydney	<p>WFU main work (CPB & DTI Joint Venture):</p> <ul style="list-style-type: none"> Ridge Street temporary construction site and shared user bridge bridge work including concreting, excavation and demolition <p>WHT (ACCIONA):</p> <ul style="list-style-type: none"> bridge finishing works including paving, installing architectural screens and landscaping utilities investigation
7	Ridge Street and Miller Street, North Sydney	<p>WHT (ACCIONA):</p> <ul style="list-style-type: none"> 24/7 tunnelling activities

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8	Warringah Freeway between Ridge Street and Ernest Street, North Sydney	<p>WFU main work (CPB & DTI Joint Venture):</p> <ul style="list-style-type: none"> • sign gantry work, including piling, concreting, excavating and installing steel <p>Falcon Street southbound bus ramp:</p> <ul style="list-style-type: none"> • rock cutting and excavating • constructing new retaining walls • installing bridge parapets • installing safety handrails and scaffolding • formwork and concrete pouring • lifting girders and precast segments • installing drainage • constructing pavement <p>Mainline – southbound outer carriageway and northbound carriageway</p> <ul style="list-style-type: none"> • strengthening of bridge abutments • cutting rock walls • trenching and installing utilities and ITS • constructing pavement • installing finishing works and road furniture • traffic switch works <p>Falcon Street pedestrian bridge:</p> <ul style="list-style-type: none"> • rock cutting and excavating • installing drainage • rock bolting • form work and pouring concrete • lifting girders and precast segments • installing safety screens <p>Falcon Street off ramp:</p> <ul style="list-style-type: none"> • line marking and installing temporary barriers • installing drainage • constructing retaining walls • constructing new pavement <p>WHT (ACCIONA):</p> <ul style="list-style-type: none"> • CCTV investigation work • 24/7 tunnelling activities
9	WHT Temporary construction site between Ridge Street, Warringah Freeway and St Leonards Park, North Sydney	<p>WHT (ACCIONA)</p> <ul style="list-style-type: none"> • 24/7 tunnelling and spoil removal
10	Alfred Street North between Ridge Street and Merlin Street, Neutral Bay	<p>WFU main work (CPB & DTI Joint Venture):</p> <ul style="list-style-type: none"> • locating services and utilities • installing drainage pits and pipes • sign gantry work including piling, concreting, excavating and installing steel • traffic switch works • demolishing existing retaining walls • constructing new retaining walls • bridge construction works • installing precast concrete elements • installing ITS infrastructure • landscaping <p>McIntosh Lane</p> <ul style="list-style-type: none"> • rock cutting • excavating • constructing new retaining walls • installing precast concrete elements
11	Falcon Street between Moodie Street and Merlin Street and Falcon Street shared user bridge, North Sydney	<p>WFU main work (CPB & DTI Joint Venture):</p> <ul style="list-style-type: none"> • locating services and utilities • inspecting existing infrastructure • trimming vegetation • surveying • constructing temporary and permanent pavements <p>Falcon Street shared user bridge:</p> <ul style="list-style-type: none"> • installing concrete safety barriers • altering existing line marking • installing signage and ITS cabling • sign gantry work including piling, concreting, excavating and installing steel • form work and reinforcement
12	Miller Street and Falcon Street intersection, North Sydney	<p>WFU main work (CPB & DTI Joint Venture):</p> <ul style="list-style-type: none"> • locating and relocating services and utilities • installing concrete safety barriers • altering existing line marking <p>Miller Street and Falcon Street intersection:</p> <ul style="list-style-type: none"> • constructing new footpaths and pavements • constructing retaining walls • sign gantry work including piling, concreting, excavating and installing steel
13	Ernest Street and Merlin Street intersection, Cammeray and Ernest Street between Anzac Avenue and Park Avenue, Cammeray	<p>WFU main work (CPB & DTI Joint Venture):</p> <ul style="list-style-type: none"> • bridge support work • bridge form work and pouring concrete <p>Ernest Street southbound on ramp:</p> <ul style="list-style-type: none"> • installing drainage and ITS • constructing retaining walls • implementing permanent and temporary traffic changes • constructing pavement • installing drainage and utilities • rock bolting • installing safety handrails and scaffolding • lifting precast segments <p>Ernest Street underpass:</p> <ul style="list-style-type: none"> • demolishing existing structures • piling • constructing abutments • installing precast concrete planks • constructing bridge deck • installing utilities • drainage and pavement works • footpath and finishing works <p>WHT (ACCIONA):</p> <ul style="list-style-type: none"> • CCTV investigation work

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14	WHT Cammeray temporary construction site	<p>WHT (ACCIONA):</p> <ul style="list-style-type: none"> • 24/7 tunnelling activities
15	WFU Cammeray temporary construction site	<p>WFU main work (CPB & DTI Joint Venture):</p> <ul style="list-style-type: none"> • installing stormwater drainage • shoring, installing concrete planks and decking • sign gantry work, including piling, concreting, excavating and installing steel • earthworks • constructing pavement • asphaltting • line marking • installing ITS and street light conduits • demolishing kerbs, traffic islands and medians • rock bolting • bridge finishing work <ul style="list-style-type: none"> • installing safety handrails and scaffolding • bridge work including form work and concrete pours <p>Tunnel southbound portals</p> <ul style="list-style-type: none"> • mobilising and demobilising cranes • installing planks • installing drainage • installing services, including sewer and ITS • constructing pavement • concreting • piling • waterproofing
16	Warringah Freeway between Ernest Street and Miller Street, Cammeray	<p>WFU main work (CPB & DTI Joint Venture):</p> <ul style="list-style-type: none"> • locating services and utilities • installing concrete safety barriers • altering existing line marking • constructing pavement • excavating • trenching and installing cables • installing drainage • demolishing kerbs, traffic islands and medians • installing moveable median • removing gantry • removing street lighting • rock bolting • installing safety handrails and scaffolding • bridge work, including form work and pouring concrete • sign gantry work including piling, concreting, excavating and installing steel <p>Miller Street northbound off ramp:</p> <ul style="list-style-type: none"> • earthworks and constructing pavement • installing drainage and retaining walls <p>Tunnel portals near the Ernest Street bridge:</p> <ul style="list-style-type: none"> • concreting • installing drainage • piling • installing concrete planks • excavating • rock bolting • installing safety handrails and scaffolding • bridge work including form work and pouring concrete <p>WHT (ACCIONA):</p> <ul style="list-style-type: none"> • 24/7 tunnelling activities • utilities investigation
17	Miller Street between Rosalind Street and Amherst Street and Miller Street southbound on ramp	<p>WFU main work (CPB & DTI Joint Venture):</p> <ul style="list-style-type: none"> • locating services and utilities • installing concrete safety barriers • altering existing line marking • excavating • trenching and installing cables • installing drainage • constructing pavement • constructing noise walls and retaining walls • installing gantries and gantry signage including piling, concreting, excavating and installing steel • installing concrete barriers <p>Miller Street on ramp lane reconfiguration:</p> <ul style="list-style-type: none"> • piling • constructing retaining walls • excavating • installing and relocating barriers • line marking • constructing pavement <p>WHT (ACCIONA):</p> <ul style="list-style-type: none"> • utilities investigation
18	Warringah Freeway between Miller Street and Willoughby Road, Naremburn	<p>WFU main work (CPB & DTI Joint Venture):</p> <ul style="list-style-type: none"> • locating services and utilities • inspecting existing infrastructure • clearing/trimming vegetation and trees • surveying • installing concrete safety barriers • line marking • asphaltting • excavating <ul style="list-style-type: none"> • trenching and installing cables • installing drainage • constructing pavement • noise wall and retaining wall preparation works • installing gantries and gantry signage including piling, concrete work, excavating and installing steel

Warringah Freeway Upgrade and Western Harbour Tunnel Stage 2 work zones



Map reference	Locations
1	Warringah Freeway between Sydney Harbour Bridge, Milsons Point and Ridge Street, North Sydney
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3	Alfred Street North between Mount Street bridge and Ridge Street, Neutral Bay
4	Berry Street, Pacific Highway to Arthur Street, North Sydney
5	Berry Street on ramp to Warringah Freeway northbound, North Sydney
6	WFU Ridge Street temporary construction site, North Sydney
7	Ridge Street and Miller Street, North Sydney
8	Warringah Freeway between Ridge Street and Ernest Street, North Sydney
9	WHT temporary construction site between Ridge Street Warringah Freeway and St Leonards Park, North Sydney



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10	Alfred Street North between Ridge Street and Merlin Street, Neutral Bay
11	Falcon Street between Moodie Street and Merlin Street and Falcon Street shared user bridge, North Sydney
12	Miller Street and Falcon Street intersection, North Sydney
13	Ernest Street and Merlin Street intersection, Cammeray and Ernest Street between Anzac Avenue and Park Avenue, Cammeray
14	WHT Cammeray temporary construction site
15	WFU Cammeray temporary construction site
16	Warringah Freeway between Ernest Street and Miller Street, Cammeray
17	Miller Street between Rosalind Street and Amherst Street and Miller Street southbound on ramp
18	Warringah Freeway between Miller Street and Willoughby Road, Naremburn



Bird's eye view of Cahill Expressway and Sydney Harbour.

We want to hear from you

We welcome any questions or feedback you have regarding our out of hours work. Use the QR code to complete our survey. Your feedback will help us to identify if there are opportunities to further reduce the impacts of our work.



To complete the survey please scan the QR code.

Contact us



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