

Upcoming work - Crows Nest Station and surrounding precinct

January 2023

Work at Crows Nest Station has progressed considerably over the past few months with the station build now continuing above ground at the northern end of the site, and nearing street level at the southern end.

Work has also started on surrounding streets to install new street light conduits and footings, new storm water drainage and upgrades to existing water assets.

Some upcoming activities will be noisy and involve changes to road and footpath access. Minor vibration may also be felt at nearby properties

Key work activities over the next six months

** Dates and activities are indicative and subject to change*

Scaffolding installation and removal

As work progresses above ground, scaffolding will continue to be installed and removed around the perimeter of the work site. This activity will be noisy for nearby properties as it involves the use of hammers and rattle guns.

This work commenced in September 2022, and will continue until the station build is complete.

Capping beam removal

A one-metre-thick steel and concrete encasement (capping beam) surrounds the perimeter of the station box. This needs to be removed to allow for the station to connect to surrounding streets. This activity will be noisy as it will involve saw-cutting and jackhammering into steel and concrete. Minor vibration may also be felt at nearby properties.

This work commenced at Site C in November 2022, and will start at Site A and Site B in February 2023. This work is being completed in sections and will take up to six months to complete in total. Work will start at the northern end of each site, progressing south.

Installation of station façade

The station's exterior walls will be finished with architectural brickwork panels.

Installation of these panels will be noisy, as the footings need to be hammered out around the station building to install the pylons that support the brickwork panels.

In order to reduce noise impacts to the community, these footings will be established at the same time as the capping beam removal described above.

Excavation of station façade footings expected to commence at Site A in February 2023.

Public domain works

As part of the Crows Nest Station build, several surrounding services, footpaths and roads will be upgraded.

Some of this work will be noisy as it will involve saw-cutting and jackhammering road, footpaths and kerbs.

Our consultation to date:

In February 2022, we spoke with businesses and residents within 50 metres of our work to ask for feedback on preferences for respite hours from our high impact noise and vibration works. We consulted on two options.

411 businesses and residents were doorknocked, and around 191 people were consulted. This included 108 businesses and 83 residents.

We received feedback from the community that they preferred two longer work shifts with a two-hour break in between.

Based on this feedback, our work is being completed across two longer shifts, with a two-hour break in between when only low impact works can take place to provide respite to the community.

Our team is regularly in the area doorknocking and engaging with the local community, including ahead of any high impact or out-of-hours works.

Feedback on upcoming work:

Please scan the QR code to complete the survey.



Some temporary access changes will be implemented. There will be temporary parking removal in some areas and temporary service outages may be required. Impacted properties affected by the service outages will be contacted directly by the service provider.

Most of this work will be focused on sections of Clarke, Oxley and Hume streets, Clarke Lane and Pacific Highway. See map overleaf for further details on the locations.

Some out-of-hours work will also be required to complete work around and on the Pacific Highway.

This work commenced in August 2022 and will continue until late 2023.

Hume Street intersection upgrade

The dedicated left-turn lane from Clarke Street into Hume Street will be permanently closed, and the intersection reconfigured.

This work is expected to be noisy, as it will include tree removal, trenching for new streetlights, and saw-cutting and jackhammering to remove the existing centre median, road, footpaths and kerbs.

This closure will take effect from **Wednesday 1 February 2023, and is expected to take up to three months to complete.**

Hume Street and Clarke Lane re-build

Both Hume Street and Clarke Lane roadways, which span across the below ground station box, were removed in 2022. Work to build the station structure up to just below

street level has been completed, allowing the new roadways to be built on top.

Building the new roadways will involve building formwork around the new structure, concrete pouring, road surfacing, line marking, signage installation and reinstating traffic lights. Some of this work will be noisy, particularly when compacting the new road surface.

Work to rebuild this section of road commenced in January 2023, and will take up to six months to complete.

When the Clarke Lane and Hume Street rebuilds are complete, they will not be re-opened straight away. Both roadways must remain closed until public domain works and permanent utility and road tie-ins are completed. This is expected to be completed in late 2023.

Tower crane removal at Site A and B, and crane installation at Site C

The two tower cranes at Site A and B need to be removed to complete the station build in those two areas. Mobile cranes will be used once this occurs to continue to lift materials, plant and equipment to and from the station work area. If space permits, we will install a smaller tower crane to facilitate heavier lifts. Changes to access will be required and there will be noise when dismantling components of the crane's tower as rattle guns will be used.

The tower crane at Site A is expected to be removed in March 2023, and the tower crane at Site B is expected to occur mid-year and will take up to three weeks each to complete.

A smaller crane will also be installed at Site C in February to lift plant, materials and equipment in and out of this work area. **This will take approximately one week to install.**

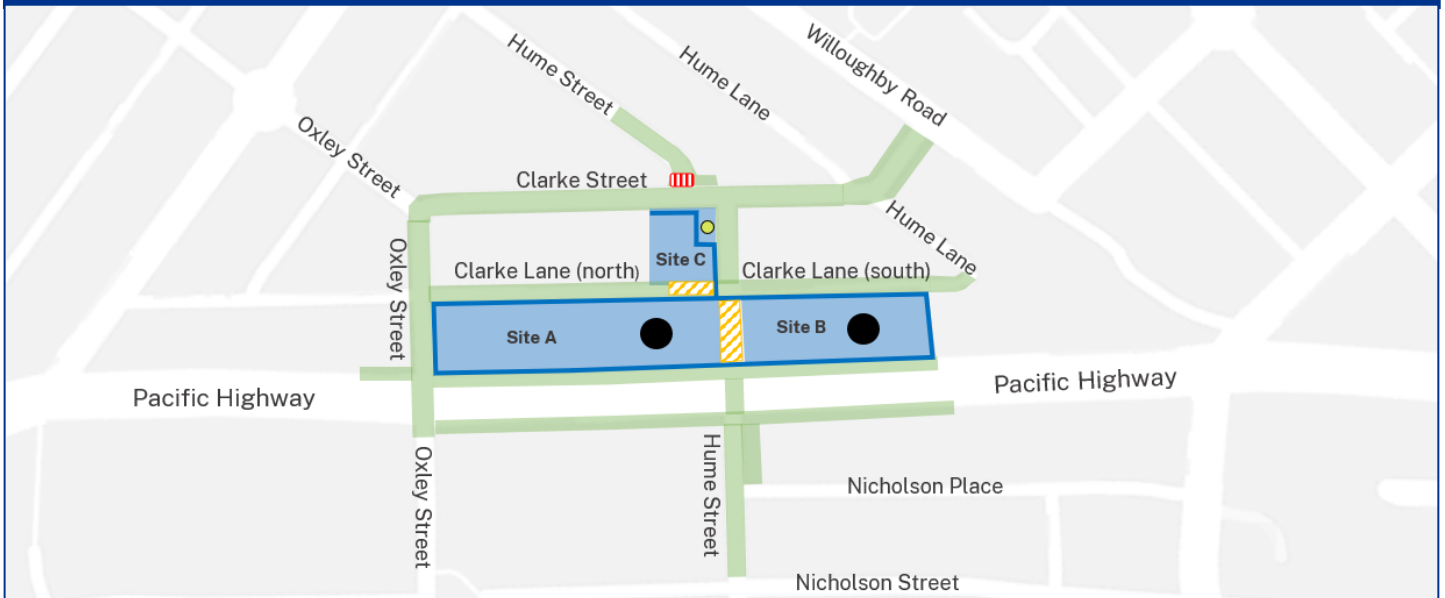
Managing construction impacts

Mitigation measures reduce noise and vibration impacts from our work activities. These include:

- scheduling high noise work during daytime hours, where feasible
- using temporary noise barriers (such as noise blankets) around the sources of noise, where feasible
- implementing respite periods when undertaking hammering, saw-cutting and drilling work
- using water carts and misters to reduce dust
- using non-tonal reversing beepers
- real-time noise and vibration monitoring during high impact works
- traffic control on site to safely direct you through work areas
- notifying the local community in advance of impactful works



Key work activity locations



Legend

- | | |
|---------------------------------------|---|
| Crows Nest Station work areas | Hume Street and Clarke Lane removal and re-build work areas |
| Capping beam removal locations | Hume Street intersection upgrade |
| Public domain work areas | Smaller crane to be established in Site C |
| Current tower cranes in Sites A and B | |

Work hours

Standard working hours are **7am to 6pm, Monday to Friday, and 8am to 6pm Saturdays.**

High noise activities can include saw-cutting, jackhammering and impact or hammered piling works, are limited to occur between 8am and 6pm, Monday to Friday, and 8am to 1pm on Saturdays.

If works need to be undertaken outside these hours, they will be subject to an out-of-hours work approval.

Other low impact activities which can occur outside standard work hours include waterproofing, steelfixing, installation of services inside the station box, formwork, structural steel and pre-cast installation.

Respite periods*	
7am to 8am	Respite period: low-impact work
8am to 12 pm	High noise work
12pm to 2pm	Respite period: low-impact work
2pm to 6pm	High noise work
1pm to 6pm, Saturdays	Respite period: low-impact work

* respite times were selected based on community feedback

Indicative work summary (subject to change)

Activity	Start	Duration	What to expect
Scaffolding installation and removal	September 2022	Ongoing - until late 2023	Intermittent noisy work
Capping beam removal and installation of station façade footings	Site C: September 2022 Site A and Site B: February 2023	Six months	Intermittent noisy work, you may feel minor vibrations during this work at nearby buildings
Public domain works	August 2022	Ongoing - until late 2023	Intermittent noisy work, access changes and service outages at various locations on surrounding streets. Some night work will be required
Hume Street intersection upgrade	February 2023	Three months	Initial six-week period of noisy work, access changes and service outages
Hume Street and Clarke Lane re-build	January 2023	Six months	Intermittent noisy work, continued closure of roadways until project completion.
Tower crane removal Site A & B	Site A: March 2023 Site B: Mid-2023	Three weeks	Intermittent noisy work and property access changes
Smaller crane installation Site C	February 2023	One week	Intermittent noisy work and property access changes
Station box fitout and works (different contractor)	Ongoing	Ongoing	The Linewide contractor (Systems Connect) will continue working inside the station box, from 7am up to 3am each morning. No noise impacts are expected. Site lights will remain on and worker lifts will be operational.

Frequently asked questions

Why does it seem noisier than previous works?

Our initial works were deep underground, further away from local residents and businesses. Works may seem noisier now as we have reached ground level and commenced the above ground station build. We have also commenced works in the public domain area, such as on local streets.

Construction work can generate varying degrees of noise and vibration depending on the type of equipment and methods used. These can include earthworks, trenching, jackhammering, saw-cutting, vac-trucks for service locating, compaction equipment, demolition works, piling works, and out-of-hour deliveries. We undertake a range of mitigation measures to reduce impacts as much as possible to the local community.

What else was considered to minimise impacts?

A W Edwards has worked hard to reduce impacts on the community. This includes:

- limiting the amount of night work.
- selecting plant and equipment with lower noise emissions where possible. For example, using wet vacuum trucks instead of dry vacuum trucks which use water rather than suction to remove dirt when digging which is quieter; and wire saws instead of concrete saws to cut through steel which uses abrasion instead of saw teeth, reducing noise and vibration. These will be used during removal of the capping beam.
- maximising the distance between noisy activities and the nearest property where possible.
- using bored piling (drilling method) rather than hammered piling (hammering method) to build foundations at Site C, significantly reducing noise and vibration felt at nearby properties.

What approvals are in place for this work?

The project received planning approval in January 2017, and follows the determined Conditions of Approval.

Work outside standard construction hours is subject to an out-of-hours work approval process. This process involves completing a detailed noise assessment for particular work activities and equipment, and identifies impacted properties. These out-of-hours approvals also detail requirements to mitigate impacts to the local community.

Why is there out of hours work?

Due to the proximity to the Pacific Highway, large deliveries must arrive at site between 10pm and 5am, when the Pacific Highway and surrounding road network is at its quietest. Our cranes may be in operation from 10pm to 5am to help lift deliveries into the station box.

Due to the foundations and supports required to build the station and overstation developments, large concrete pours can occur over extended periods of time. We try to limit these impacts as much as possible.

When will Sydney Metro services commence?

The new Crows Nest Station is due to open in 2024 when metro services between Chatswood and Sydenham begin. Services will run every four minutes in the peak in both directions.

Indicative metro travel time from Crows Nest Station

4 minutes to Chatswood Station • 5 minutes to Barangaroo Station • 7 minutes to Martin Place

Contact Us

Thank you for your cooperation and understanding while we complete this essential work.

We send out regular newsletters, monthly work notifications and weekly email updates, confirming dates and locations of upcoming work, including access changes to registered residents and businesses. If you would like to receive these updates, please send your contact details to crowsnestmetrostation@transport.nsw.gov.au

We welcome your questions and feedback. Please call us at **1800 171 386** (24-hour community information line) and ask for the Crows Nest Station team or email crowsnestmetrostation@transport.nsw.gov.au

 **1800 171 386** Community information line open 24 hours

 sydneymetro@transport.nsw.gov.au

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

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