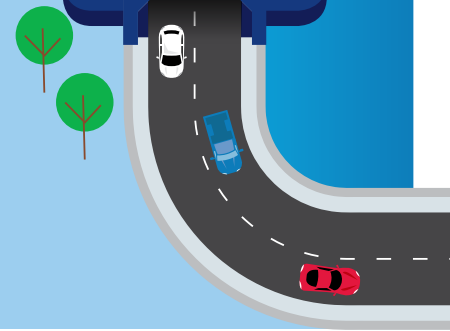


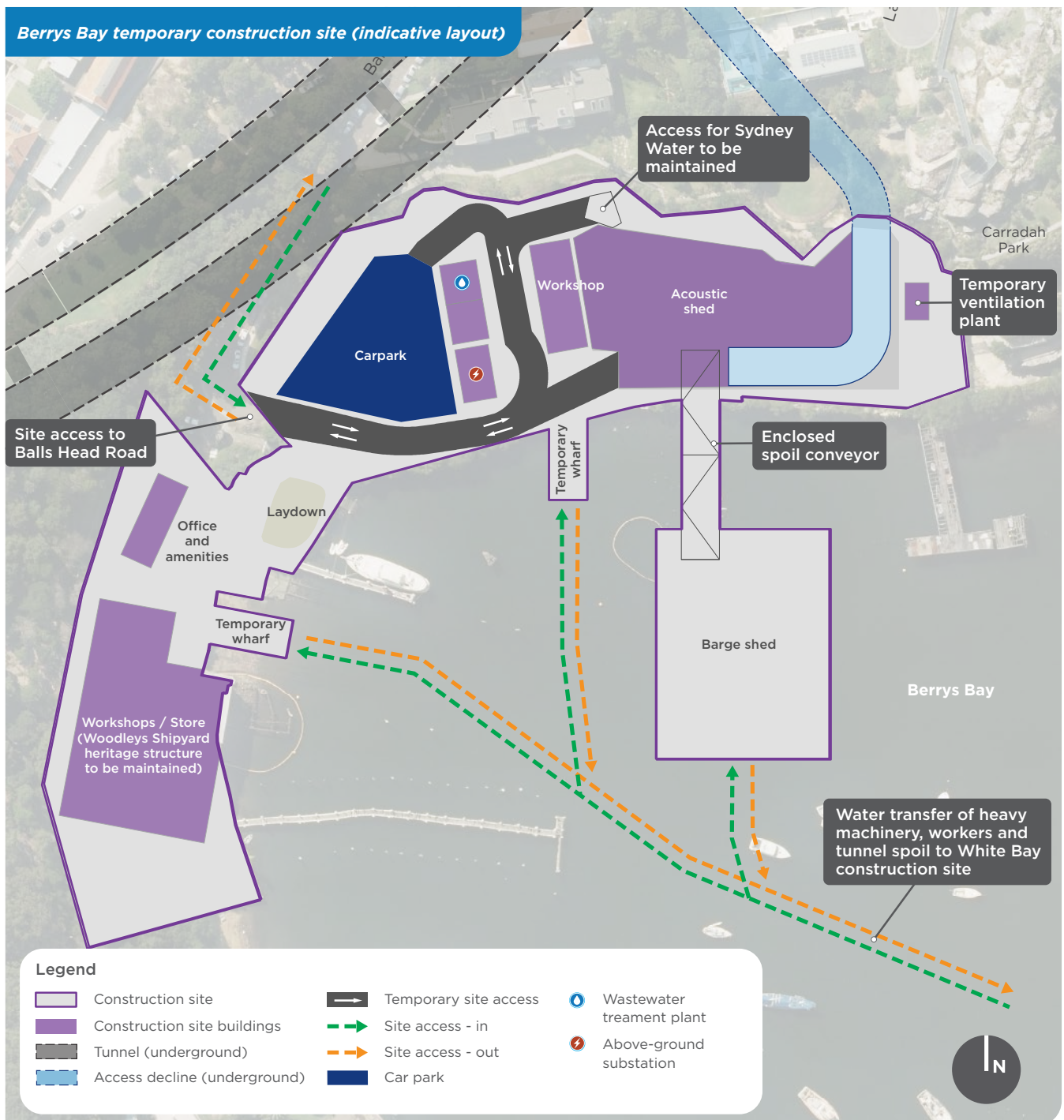


Western Harbour Tunnel and Warringah Freeway Upgrade



Berrys Bay temporary construction site

We will be using Berrys Bay as a temporary construction site to support our tunnelling work. The site will be built both on land and in the water.



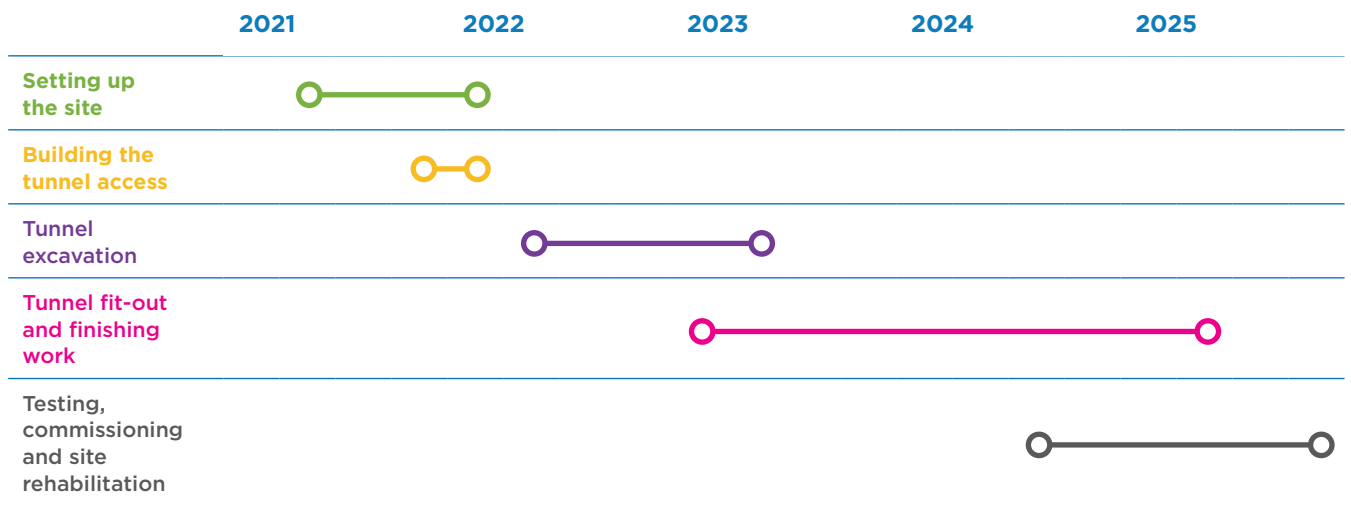
We will use the construction site to establish and construct access for the excavation of the tunnels (including connecting the land tunnel to the immersed tube tunnel). The land tunnels will be excavated in both directions from this site, towards the harbour and back towards the Warringah Freeway.



Our key activities include:

- setting up the site, including removing some structures and building a new wharf and acoustic shed
- building temporary wharves to support transporting workers and materials via the water and reduce the numbers of trucks needed on local roads
- building the tunnel access, tunnelling, including the tunnels towards the Warringah Freeway, cross passages and breaking through to the cofferdam for connection to the immersed tube tunnel
- storing, handling and transporting materials via barge to the White Bay site
- finishing work on the tunnel like electrical fit out and lighting, testing, commissioning and site rehabilitation.

Indicative construction timeframe for Berrys Bay



Indicative timing only

Duration



You may see us in this area for around four and a half years as we setup, carry out our construction work, then demobilise the site and prepare it to be returned to the community. We will be working with the community and stakeholders to develop the design of the new open space.

Hours of work



We will be tunnelling 24 hours a day, seven days a week. Once we are tunnelling, the majority of the work will take place underground and activity on the surface will reduce. Based on our planned tunnelling rate we expect the impact from tunnelling to be minimal for residents as we will only be working under each property for about one week.

When tunnelling, our work will be as deep as 39 metres (11 storeys) at Balls Head Drive. For more detail on the depth of tunnel in your local area, please see pages 24 and 25 of our 'Guide to the EIS' nswroads.work/whtportal-eisguide.

The majority of our work on the surface takes place inside the acoustic shed, which manages the potential impacts of noise, dust and light. These sheds are also closed at night to further reduce noise. There may be occasional deliveries and some light vehicle movements outside of standard construction hours.

Traffic / vehicle movements



We will be limiting the impact on local roads by accessing the site by water where possible. Marine vessels will use Sydney Harbour to transport spoil.

Some construction traffic will need to access the site via Balls Head Road.

The construction peak at this site will be during tunnelling work. At our construction peak, there will be around 55 heavy vehicle movements and 210 light vehicle movements per day (a vehicle travelling in and out of the site is counted as two movements). For information about peak vehicle movements during construction, please see page 33 of our 'Guide to the EIS' nswroads.work/whtportal-eisguide.

If you live near a tunnelling construction site



We will be tunnelling underground 24 hours a day, seven days a week.

The majority of noise activity at these sites will be when we are setting the site up, building the acoustic shed and getting ready for tunnelling. This can take about six months to complete, weather permitting.

Once we are tunnelling the majority of the work is underground, with most of our work taking place inside the acoustic shed. The acoustic shed helps us manage noise, dust and light from our work.

If you live above the tunnel



While we will be tunnelling underground 24 hours a day, seven days a week, we will only be under individual properties for about one week. This is based on our tunnelling equipment moving about 25-30 metres per week.

It is unlikely you will be able to hear the tunnelling equipment because it will be deep underground. However when we are tunnelling at shallower depths or directly under your property, you may experience ground borne noise generated by our work. The depths of the tunnel will vary depending on where you live.

Noise and vibration



While we are building we will monitor noise and vibration to make sure it meets the appropriate guidelines. We will be using a range of measures to reduce the impact of our work, including:

- additional notification and consultation
- using acoustic sheds for 24 hour tunnelling activities
- laying out our sites so noisy equipment is shielded by other buildings
- turning off machinery and equipment when not in use
- working within standard construction hours
- staging our work to avoid extended periods of consecutive night work in one area
- installing hoards and temporary noise barriers.

You can learn more about how we measure and manage noise by visiting our interactive portal nswroads.work/whtportal or by reading section 3 of our 'Guide to the EIS' nswroads.work/whtportal-eisguide.

Maritime movements



You will notice some increase in harbour maritime traffic when we are building the immersed tube tunnels for the harbour crossing. We will manage our work to minimise interruptions to port operations and the navigation of ships and ferries within Sydney Harbour.

If you spend time on the water you may notice us moving barges, temporarily restricting maritime speeds around construction areas and our sites, temporarily relocating swing moorings and setting up cofferdams and construction sites.

We will work closely with the community as we operate our vessels. To reduce our impact we will operate our vessels to minimise wash to areas of shoreline and not impact, schedule our activities to limit impacts on recreational marine traffic and temporarily relocate impacted moorings while we work.

Vessel movements on the water



- Six small boat movements (about the size of a water taxi) to ferry our workers from White Bay to this site during the day and night to meet shift changes
- six spoil barge movements for transportation of spoil to White Bay during standard construction hours
- six barge movements for deliveries, which could take place outside of standard construction hours.

One boat or barge travelling into and out of site is counted as two movements.

Moorings in Berrys Bay



We will need to temporarily relocate some swing moorings during our work. If you have a boat moored here, we will be in contact with you before any work is carried out. All moorings will be relocated to an appropriate alternative site.

Woodley's boatshed



Woodley's boatshed will be used as a temporary storage area during our work. Some minor structural work may be carried out to ensure the structure is safe. It will remain in place once we have finished our work.

Beach access



We will improve access to the beach area next to the former quarantine station during construction. We will also work with North Sydney Council on providing boat and kayak storage racks at the beach.

Future use of Berrys Bay

We understand the importance of Berrys Bay as part of the Sydney Harbour foreshore. We will work closely with the community to design and shape the future of Berrys Bay after we have finished construction.

We will have a dedicated consultation period seeking your input on the future of Berrys Bay, which will be a separate process to this EIS.

We are committed to working with the community and key stakeholders to understand their views, so we can provide facilities that consider the diverse needs of the community.

We plan to start engaging with you this year ahead of construction starting. We are committed to working with you to understand your views and deliver an area for all of the community to enjoy.

As part of this process, we will establish a reference group, with representative stakeholder groups, the community and independent experts, to support us with the development of the Berrys Bay open space.


To register your interest in the future use of Berrys Bay and be kept up to date please call us on **1800 931 189** or email whtbl@transport.nsw.gov.au.

Contact the Western Harbour Tunnel and Beaches Link team

 nswroads.work/whtbl

 whtbl@transport.nsw.gov.au

 1800 931 189

 Customer feedback
Transport for NSW, Locked Bag 928
North Sydney NSW 2059

Visit our interactive web portal

Read the EIS, find out more or ask our team a question.

 nswroads.work/whtportal



If you need help understanding this information, please contact the Translating and Interpreting Service on 131 450 and ask them to call us on 1800 931 189.

Privacy Transport for NSW is collecting your personal information in connection with the Western Harbour Tunnel and Warringah Freeway Upgrade ("the Project"). In addition to collecting your name and contact details we may collect other information such as your submissions and other communications with us. We will retain and use this information for consultation purposes, including communications and analysis in connection with the Project. We will not disclose your personal information to third parties unless authorised by law and if we include your submissions in any public report we will not identify you. Providing your personal information is voluntary but if you do not provide it we may not include you on our stakeholder database and you might miss further consultation opportunities. Your personal information will be held by us and you can contact us to access or correct it. Please write to us at either whtbl@transport.nsw.gov.au or Transport for NSW, Locked Bag 928, North Sydney NSW 2059.