



Transport for NSW

Beaches Link and Gore Hill Freeway Connection

Waste management – on land and water

Building infrastructure to transform a city requires large amounts of materials and energy. Where possible we will recycle our resources and seek efficient ways of working to minimise the amount of waste generated.

On land

Most of our waste will take the form of spoil from tunnelling work on the land (about 3 million cubic metres). In general, we will re-use this spoil on site or transport it by truck to other developments to be recycled, or, if not suitable for re-use, dispose of it at licensed locations.

In the water

We will also be removing around 163,000 cubic metres of materials from the Middle Harbour crossing to install the immersed tube tunnels. Around 153,000 of this material is likely to be suitable for offshore disposal at an existing regulated offshore disposal site. Around 10,000 cubic metres may be unsuitable for disposal offshore. This material will be made spadable (a consistency which allows the material to be spaded or shovelled) and transported by barge outside Middle Harbour to be loaded into sealed and covered trucks for transport to a suitably licenced onshore facility for disposal.

For more information please refer to Chapter 24: Resource use and waste management in the EIS

Before we start building, a detailed Construction Environment Management Plan (CEMP) will be developed to detail how the project will preserve, protect and manage any potential impacts to the local environment. The CEMP will need to be approved by Department of Planning, Industry, and Environment (DPIE) before we can start any major construction work.

The CEMP will be a working document, subject to ongoing changes and updated as necessary, to respond to specific requirements or issues. Any handling of contaminated sediments will be carried out in accordance with the CEMP and an Environment Protection Licence issued by the NSW Environment Protection Authority.

We will continue to have a dedicated team of environmental specialists who oversee this process.

We will be removing materials from the seabed and immersed tube tunnel construction by using barges. Some dredged material associated with the construction of the crossing of Middle Harbour will be suitable for offshore disposal. We have submitted an application to the Commonwealth Department of Agriculture, Water and the Environment for offshore disposal of suitable dredged material. We will transport suitable dredged material to the offshore disposal site using barges.

We will transport any dredged material not suitable for offshore disposal to a facility outside Middle Harbour where it will be made spadable and then loaded onto trucks for disposal at a land-based, licensed facility.

Seabed dredging

To get ready to place the immersed tube tunnel units to build across Middle Harbour, we will need to prepare the seabed. This will involve creating a partial trench for the immersed tube tunnel to lie in.

Most of the middle section of the immersed tube tunnels crossing Middle Harbour will be located on the existing seabed. This means we will not require a trench for the middle portion, reducing the amount of dredging required for the Middle Harbour crossing.

The dredging method we use will depend on what type of material we are removing, for example we use different equipment to remove rock than we do for sediment.

In planning our work and selecting our equipment, we have carried out marine ecology surveys, sediment testing and modelled water movements to confirm we have a strong understanding of the marine environment. We will be using a number of safeguards to manage the potential impacts to ecologically sensitive areas.

Removing materials from the seabed

We will use one of two methods to remove materials from the seabed depending on what type of material we are removing.

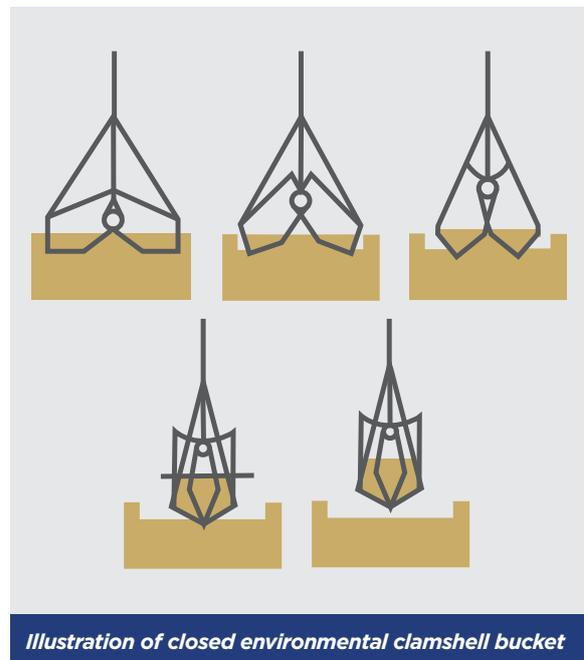
1. Backhoe dredge with closed environmental clamshell bucket

To remove some of the softer material from the seabed a closed environmental clamshell bucket will be used. This is a closed bucket attached to a large backhoe dredger. This is used to minimise the spread of material into the water as it is being removed and to allow for materials to be loaded directly onto barges.

Type of material

There will be two different types of material being removed by this method:

- soft sediments which are not suitable for reuse or offshore disposal. They will be tested and treated before being disposed of at a licenced facility on land.
- clean soft sediments suitable for offshore disposal. They will be transported by barge to be disposed of at the offshore disposal site.



2. Backhoe dredge with rotating cutter head

A rotating cutter head will be used to cut and fragment rock underwater. After the material is cut using the cutter head, a backhoe will lift the materials from the water and load it into a barge. This material will be transported by barge to the approved offshore disposal site for disposal.

Type of material

- rock suitable for offshore disposal.



Contact us



nswroads.work/blportal



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Visit our interactive web portal
Read the EIS, find out more or ask our
team a question.



nswroads.work/blportal

Our phone line is monitored 24 hours
when work is taking place.



Translating and Interpreting Service

If you need an interpreter, please call the Translating and Interpreting Service (TIS National) on **131 450** and ask them to telephone Transport for NSW on **1800 931 189**.

Chinese (simplified)

若您需要口译员，请拨打 **131 450** 致电翻译与口译服务处 (TIS National)，并要求他们转拨 **1800 931 189** 致电 Transport for NSW。

Italian

Se avete bisogno di un interprete, chiamate il servizio traduttori e interpreti (TIS National) al numero **131 450** e chiedete di telefonare a Transport for NSW al numero **1800 931 189**.

Portuguese

Se necessitar de um(a) Intérprete, por favor, ligue para o Serviço de Tradução e Interpretação (TIS National), através de **131 450** e peça o telefone do Transport for NSW, através de **1800 931 189**.

Privacy Transport for NSW is collecting your personal information in connection with Beaches Link and Gore Hill Freeway Connection ("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.