



JULY 2020

MORDIALLOC FREEWAY



Building the bridges

We're building the Mordialloc Freeway to connect the Mornington Peninsula Freeway to the Dingley Bypass.

The Mordialloc Freeway will slash travel times and ease congestion in Melbourne's south east, providing a safer, more reliable journey.

The project will take 13,000 trucks off local roads, giving local roads back to local residents.

Bridge design

As part of the project, we're building six bridges over intersecting roads to improve traffic flow.

The bridges will cross over:

- Old Dandenong Road
- Centre Dandenong Road
- Lower Dandenong Road
- Governor Road
- Bowen Parkway
- Springvale Road.

We've designed the bridges to be as low as possible to minimise visual impacts for nearby residents, while giving large vehicles such as trucks enough space to safely travel on the roads below.

The finished heights of the bridges will be between 7 and 9 metres.

Image above: Artist's impression of the bridge over Governor Road

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roadprojects.vic.gov.au

Authorised by the Victorian Government, 1 Treasury Place, Melbourne



Building the Mordialloc Freeway bridges

How we start the build

To start building the bridge we set up environmental controls to protect flora and fauna. This includes:

- using sacks filled with sand to stop run-off water from entering drains, storm water pipes and waterways
- building temporary ponds to capture eroded or disturbed soil, so that it does not enter waterways
- installing silt curtains in waterways to prevent pollution

- protect or relocate services such as gas, water and power so they're not damaged during construction.

We've also built a temporary platform in between the twin bridges at Waterways. From this platform, we'll be able to carry out the activities required to build the bridges.

Bridge facts

406 NUMBER OF PILES WE'LL INSTALL

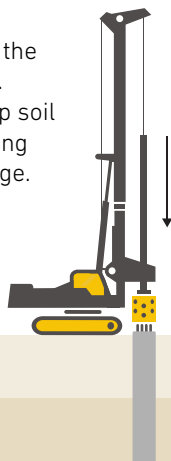
30.1m DEEPEST PILE

252 NUMBER OF BRIDGE BEAMS

38.8m LONGEST BEAM

How we install the bridges

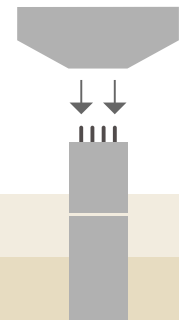
- 1** Machines insert long concrete columns into the ground by hammering. They connect with deep soil or rock, creating a strong foundation for the bridge.



- 2** The piles are levelled so construction can take place on top.



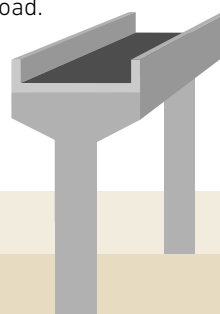
- 3** Piers or bridge columns are built on top of the piles to support the bridge.



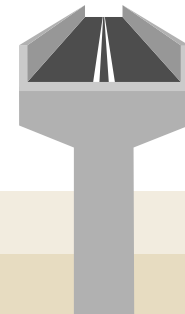
- 4** Bridge beams are placed on top of the piers. The beams are then joined with concrete to create a bridge deck, providing the foundation for the new road.



- 5** Drainage is installed to ensure that water does not pool on the new road. Asphalt is laid to provide the surface for the new road.



- 6** Road lines are marked and barriers installed to divide the lanes of traffic.



Contact us

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