



OCTOBER 2019

*Traffic on Springvale Road*

# MORDIALLOC FREEWAY



## Noise and vibration

**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.

### **Managing construction noise and vibration**

Noise and vibration impacts will vary at different stages of construction and at different locations depending on the work we're doing.

While ground vibration can be noticeable, we've carefully planned all activities to ensure the safety of the community and to avoid damage to property.

We'll reduce the impact of noise and vibration during construction. We'll do this by:

- using construction methods that minimise vibration impacts for nearby properties
- scheduling noisy and high-vibration activities during day-time working hours where possible
- using temporary barriers and noise curtains at the site of noisy works where possible
- providing you with advanced notice of any out of hours works
- using quieter reversing alarms on our vehicles and machines
- turning off equipment when it's not in use.

## When we'll work

We'll carry out most of our works during the day:

- Monday to Friday between 7am and 7pm
- Saturday between 7am to 3.30pm.

There may be times when we need to work outside of these hours to minimise traffic impacts and keep you and our workers safe.

When we're working at night, we'll reduce the impacts of noise and vibration as much as possible.



Construction work

## Measuring noise and vibration

We've carried out noise monitoring in and around the project area, prior to construction.

We've also offered property condition surveys to the houses and businesses next to our works. This helps us understand the existing condition of the properties before we start works.

We'll carry out noise and vibration monitoring during construction to make sure we're minimising impacts and complying with Environment Protection Authority (EPA) guidelines.



**We measure noise on a scale of units called decibels, or dB for short.**

Noise measurements are adjusted to reflect how our ears perceive noise, giving a noise unit called 'A' weighted decibels, or dB(A).



**Vibration is created when energy is sent into the ground.**

## Traffic noise

We'll also reduce noise impacts once construction is complete and the Freeway is in use.

We've set a Project Objective Noise Level of 63dB(A) for the Freeway between Springvale Road and the Dingley Bypass to comply with the VicRoads Traffic Noise Reduction Policy.

To help us achieve this, we'll:

- install noise barriers next to residential areas, up to 6.5 metres in height
- use Open Grade Asphalt for the Freeway surface as it generates lower tyre noise compared to other road surfaces.

We'll monitor traffic noise 6–12 months after we finish construction to ensure noise levels are within the set limits.

## Being accountable for what we do

We've developed an Environmental Management Framework (EMF) which includes approved Environmental Performance Requirements (EPRs) to minimise impacts to the community. These describe the noise and vibration outcomes we're required to achieve during the design, construction and operation of the Freeway.

Information on our EPRs can be found in our Environmental Management Framework and viewed at [roadprojects.vic.gov.au/projects/mordialloc-freeway](https://roadprojects.vic.gov.au/projects/mordialloc-freeway)

We've also developed a Construction Noise and Vibration Management Plan in accordance with Environment Protection Authority (EPA) guidelines to minimise impacts.

## CONTACT US

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