

Noise, dust and vibration fact sheet

The Victorian Government is removing 27 dangerous level crossings and building 17 new stations, making the Frankston Line level crossing free by 2030 and improving safety, reducing congestion and allowing more trains to run more often.

Works are ramping up as we start major construction to remove the dangerous and congested level crossings at Warrigal Road, Mentone and Parkers Road, Parkdale by building a rail bridge over the roads.

A new rail bridge will reduce local congestion and allow more trains to run more often, as well as deliver new open space and better local connections for the community.

Construction impacts

Our major infrastructure works can cause noise, vibration, light spill and create dust and dirt. This fact sheet explains the ways in which our environmental team work to mitigate these effects.

Piling

A pile is a long cylinder made up of a strong material, such as concrete. Piles are pushed into the ground to act as a steady support for structures built on top of them.

What causes noise and vibration

As with any major works project, construction impacts are expected and can vary depending on the nature of the works.

Sources of construction impacts:



excavation and rock and concrete breaking causing some noise, dust and vibration



piling and soil compaction causing some noise, dust and vibration



heavy machinery, generators and power tools causing some noise and vibration



large trucks at night causing some noise and light spill



light tower trucks causing some light spill



Parkers Road crossing

Managing noise and vibration impacts

During construction we will need to install piles in the ground to form a stable foundation to build the new bridge and retaining walls on. This involves drilling into the ground and filling large holes with concrete. This activity can cause noise and ground vibration.

The intensity of the vibrations depends on the ground conditions and distance from the works. While ground vibrations may be felt, construction activities have been planned to avoid damage to property.

Before starting construction, we undertake noise monitoring at different locations around the project area.

We will monitor sound levels before and during works so that we can assess the impact to residents and implement further mitigation measures if necessary.

How we reduce noise and vibration

We will:

- schedule works during daytime as much as possible, generally from 7am to 6pm Monday to Friday and 7am to 3pm on Saturdays. In some cases night works will be necessary
- use quieter reversing safety alarms on our vehicles and machines
- offer respite and relocation to local residents during noisy night works where appropriate
- maintain a buffer zone between work areas and homes
- use temporary noise mounds, barriers and enclosures at the site of noisy works
- keep our machinery in good working order.

Working hours:

7am to 6pm Monday to Friday and 7am to 3pm on Saturdays.

We will notify the community ahead of noisy or overnight works and be in touch with directly affected residents.

How we minimise dust and dirt

We will:

- use water trucks to regularly wet down the site
- minimise the amount of soil exposed to wind
- cover truck loads and stockpiles
- reduce the speed of construction vehicles
- use steel grids at site exit points to reduce mud from tyres
- clean the roads around the site with street-sweepers.

How we monitor dust

We install dust monitors around the work site to measure air quality and monitor weather conditions to ensure we have adequate dust controls in place throughout our works, in line with Environment Protection Authority requirements.



Works in Parkdale



More information

Stay up to date on the project by signing up for regular email updates at levelcrossings.vic.gov.au/subscribe

To register for SMS updates text 'Parkdale' to **0429 839 892**.

If you have any questions about noise, dust or vibration during construction, please call us on **1800 105 105** or email contact@levelcrossings.vic.gov.au

levelcrossings.vic.gov.au

contact@levelcrossings.vic.gov.au



For languages other than English, please call 9209 0147.

1800 105 105 (call anytime)

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