

Managing noise and vibration

We're minimising construction impacts on local communities and the environment

The M80 Upgrade will add new lanes, upgrade key interchanges, install a smart freeway management system and build new on and off ramps, slashing journey times for over 165,000 road users each day and getting them home safer and sooner.

Managing noise

Noise from construction will vary depending on the type of activity being undertaken. If you're close to our works, you may notice increased noise levels at times.

Before we start major works, we engage independent acoustic engineers to assess our construction methodology and the proximity of our works to nearby properties. The acoustic engineers provide us with background noise levels, which we use as a baseline to monitor noise while works are underway.

We'll minimise noise impacts during construction by:

- scheduling noisy activities to day-time construction hours as much as possible
- fitting machinery with engine noise reduction equipment
- monitoring noise in areas adjacent to residential and commercial properties
- where possible, fitting vehicles and equipment with low-frequency reverse alarms.

Most works will take place between **7am and 6pm, Monday to Saturday**. We'll let you know in advance if our planned works are outside of these hours.

If we need to work at night we'll make every effort to reduce noise.

Managing vibration

We'll use a construction technique called bored piling to create the deep foundations for the barriers and bridges.

Bored piling involves drilling into the ground using a large drill bit and rotating blade. We remove the excavated material and insert a prefabricated metal reinforcement cage into the hole.

We then pour concrete into the hole to form the pile. Once it's set, the pile is complete and provides the strong foundation to support the barriers and bridges. This technique reduces noise and vibration during construction.

Road rolling machines will also be used to help us compact and level the ground, so we can create the layers required to build the road. Rolling works can cause some vibration, however we'll be monitoring during these works to ensure impacts are kept to a minimum.

If you live or work near one of our construction sites, you may feel some vibration in your home or office at times.

Vibration that you feel is usually well below the levels that could cause changes in the condition of your property. Baseline vibration monitoring is completed before we start works and monitoring is continued while works are underway.

Property condition surveys


We've engaged a qualified independent specialist to conduct complimentary property condition surveys on properties located near major construction activities.

Property condition surveys have been undertaken in Victoria for many years and document the condition of a property either prior to construction commencing or at a subsequent point in time. It provides a reference should you believe your property has experienced any adverse effects from construction works.

If you have received a letter regarding a property condition survey, please complete the Survey Permission to Proceed form included with your letter and return it at your earliest convenience. If you have not received a letter and believe you are eligible, please phone us on **1800 105 105** or contact us via roadprojects.vic.gov.au

Please contact us if you would like this information in an accessible format

If you need assistance because of a hearing or speech impairment, please visit relayservice.gov.au

 For languages other than English, please call 9209 0147

Authorised by the Victorian Government, 1 Treasury Place, Melbourne

roadprojects.vic.gov.au
contact@roadprojects.vic.gov.au
1800 105 105

     @roadprojectsvic

Major Road Projects Victoria
GPO Box 4509, Melbourne VIC 3001

