

Te Ahu a Turanga: Manawatū Tararua Highway Project Managing Noise & Vibration

As with all construction works, there will be a certain amount of noise made as we progress our project. The NZ Transport Agency will do its best to ensure we are reducing the sound as much as possible.

Construction of Te Ahu a Turanga: Manawatū Tararua Highway is due to start mid-next year, and as with any new project we expect some disruption during this phase for a number of residents. For most people this will be felt as an increase in trucks and vehicles delivering machinery, materials and workers to site. Some construction activities may also generate vibration such as excavation, rock breaking, piling and compaction using heavy vibrating rollers.

If there are residents or businesses who are likely to be significantly impacted by any upcoming works, we will work with them directly to ensure effects are managed appropriately.

FOR MORE INFORMATION:

0800 740 560
teahuaturanga@nzta.govt.nz

www.nzta.govt.nz/te-ahu-a-turanga
www.facebook.com/nztacni
www.twitter.com/nztacni



PERMANENT ROAD SURFACE

When the new road is completed, we will ensure we have the right surface laid to meet the requirements for the area through which it runs. This will mean low noise surfaces in specified locations near residential areas

The use of different materials, such as asphalt, is one of the ways we can mitigate sound

MANAGING NOISE

A management plan for construction noise is put together before we start building a new road. This sets out how we'll manage noise on site, the noise criteria and limits we're working within, the types of construction activities likely to generate noise and how we may mitigate and minimise the noise.

The Transport Agency will monitor noise during construction, to make sure we're staying within the limits and not generating unreasonable levels.

We can also try to reduce noise for nearby businesses and residents which can include using low-noise surfaces on our roads and speed cushions.

Unlike construction and operational noise, there isn't a New Zealand Standard for vibration from road-traffic noise. However, the Transport Agency seeks to comply as far as practicable with the Class C levels set out in the Norwegian Standard NS 8176E:2005 Vibration and shock.

We focus on minimising noise at the source first. We can do this by:

- managing working hours around sensitive receivers
- training staff
- ensuring all equipment is well maintained
- choosing quieter equipment
- enclosing noisy equipment in chambers when it is operating
- turning off reversing beepers during night works
- erecting a solid fence or barrier (noise walls or screens)
- constructing the permanent noise mitigation structures early in our work programme