

Great Eastern Highway Bypass Interchanges project

Managing Construction Impacts

As with all major infrastructure projects, the local community can expect some impacts during construction of the Great Eastern Highway Bypass Interchanges project.

Main Roads and the Greater Connect Alliance take all impacts seriously. We are committed to the safety and wellbeing of our workers, road-users, and the local community, and being a good neighbour. One of the ways we fulfil this commitment is by mitigating and minimising construction impacts as much as possible. Our key aims are to minimise disruption to local residents and businesses, reduce the impact on the road and transport network and to minimise our impact on the environment.

What to expect

Construction impacts can include:

- Noise, dust, and vibration associated with the use of construction equipment such as excavators, trucks, graders, compaction rollers, piling rigs, and cranes.
- Occasional night and weekend work to minimise impacts on road users during peak travel times.
- Temporary lane and road closures to safely separate workers from the travelling public.
- Increased vehicle movements in the project area associated with transport of materials and workers moving between work areas.
- Reduced speed limits through the project area.

What will we do to minimise construction impacts?

Our construction methodology is informed by detailed planning and considers aspects such as noise, vibration, traffic management, environment, and safety, with the aim of minimising impacts as much as possible. Examples include:

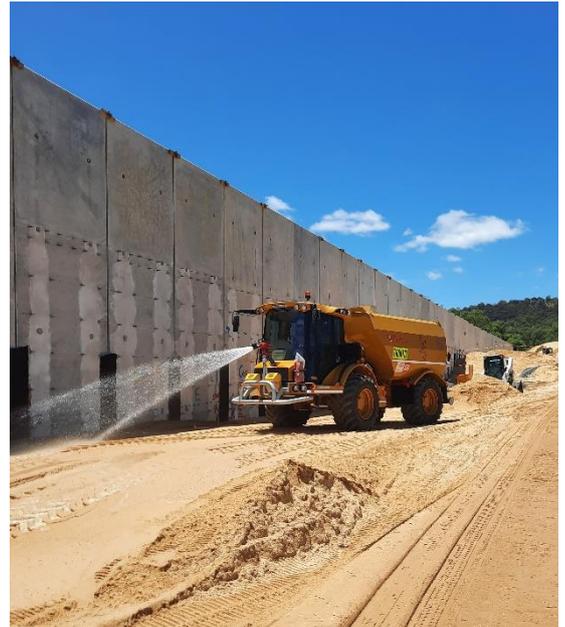
- Minimising the clearing footprint as much as possible.
- Minimising impacts of vibration and dust by using small or non-vibratory equipment when possible, undertaking vibration monitoring in sensitive locations, and implementing dust control measures. Where possible, we will also store stockpiles of materials in locations that will not affect local residents and businesses.
- Monitoring noise levels prior to, during and after construction and using low level reversing squawkers on construction machinery.
- Regularly testing equipment to ensure it is operating at a high standard.

- Reducing impacts on traffic by maintaining traffic lane availability during AM and PM peak times, providing detours during road closures, ensuring business and residential access is always maintained and using haulage routes that avoid local roads as much as possible.
- Ensuring planned impacts are communicated to businesses, residents, and road users well in advance of any changes. The team will work with directly impacted stakeholders to ensure alternative access arrangements are appropriate in advance of any changes, to avoid impacts to business operations.

Managing vibration from construction activities

Construction activities often generate vibration, which can travel through the ground from the worksite into nearby buildings. Sometimes the vibration can be felt by the occupants. Feeling vibration can sometimes be disconcerting and lead to concerns about potential building damage, however the levels that can be felt are generally an order of magnitude below the threshold at which damage to properties is likely.

Vibration will be monitored in strategic locations to ensure the project does not exceed compliance levels. Monitoring will be achieved through real-time notifications. In addition, property owners of buildings and structures located within 100 metres of the project boundary will be offered a pre-condition survey before construction commences to establish the condition of all properties and structures that may be affected by construction activities.



If an owner believes damage has occurred to their property as a direct result of construction vibration, they should contact us immediately on the below contact number or email address.