



Mitchell Freeway Extension - Hester Avenue to Romeo Road

Earth moving works underway

Earth moving works have now commenced as part of the Mitchell Freeway Extension project, and will continue until the end of 2021.

The works involve moving large amounts of earth across the 6km worksite to create new levels for the freeway lanes, bridges and Principal Shared Path.

Where levels need to be made higher, the earth will be compacted in layers as the levels are built up to the desired level.

Once the desired levels have been achieved, the ground will be compacted further to create the foundations to support the future infrastructure.

Pavement works in early 2022

The freeway surface is constructed by gradually building layers of limestone and crushed rock base, which is then surfaced with either a bitumen seal or an asphalt wearing course.

Each of these pavement layers must be compacted to ensure the new surface can withstand the stress that will be applied when the lanes are open to traffic. These activities will start after the earth moving works end.

Vibrations

During these works you may hear unusual noises in your home and feel vibrations. These are generated from equipment that is designed to compact the ground. There may be several weeks where there are no vibrations followed by periods of increased activity.

Humans are sensitive to vibrations and can detect very low vibration levels. When this sensitivity to vibrations is partnered with rattling sounds, the experience may be unsettling. It is however unlikely to cause any damage to your property.

Whilst the level of impact will depend on the proximity of the works to your home, the equipment is designed to limit subsequent impacts, including the potential for damage to neighbouring structures.

How are vibrations being managed?

Property owners can be assured that we work within the limits set by the Australian Standards which are well below those capable of causing structural damage.

Before starting major construction, pre-condition surveys were offered to property owners within 100m of the project site. The survey reports can be used to compare the condition of a property pre and post the completion of construction works. If you have concerns about property damage occurring as a result of the works, contact us directly (see Further Information).

Some measures being implemented to manage vibration impacts by the project include:

- undertaking a vibration impact assessment and implementing vibration monitoring
- operating equipment on the lowest effective vibration setting
- maintaining low speed limits for construction trucks and machinery
- maintaining equipment
- selecting appropriate machinery and equipment
- considering alternative construction methodologies
- where possible notifying residents of timing and duration of activities with excessive vibration

Further information

If you have any questions or concerns, you can contact us on 138 138 or at enquiries@mainroads.wa.gov.au

Additional information on the expected construction impacts can be downloaded from the project's webpage: www.mainroads.wa.gov.au/mitchellfwy-extension