

# Kwinana Freeway Northbound Widening Russell Road to Roe Highway

## Vibration Management Information Sheet

The Kwinana Freeway Northbound Widening project, from Russell Road to Farrington Road, is part of a \$2.3 billion package of road and rail infrastructure projects funded by the Australian (\$1.6 billion) and State (\$750 million) Governments

Upon completion, the project will reduce travel times, address congestion and improve safety for freeway road users, particularly in morning peak periods. The southern section of these works, between Russell Road and Bolderwood Reserve, is being delivered by BMD Constructions on behalf of Main Roads.

### What causes vibration during construction?

Construction related vibrations typically occur when a new road surface is being prepared or new asphalt is being laid. Compaction of these surfaces is necessary to achieve a quality and durable surface.

### Effects of vibration

During construction, residents and businesses located near the works may feel intermittent vibrations from construction activities. This might include door and window screens shaking, creating a rattling sound. Tightly packed glassware or ceramics with poorly fitted lids may also produce a rattling sound.

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.

### Vibration management

BMD has developed a Vibration Management Plan to regulate and manage vibration generated by the construction activities, which involves:

- Ongoing monitoring of vibration levels near residential and business structures.
- Adherence to the relevant Australian standards for acceptable vibration levels for humans and structures.

As part of the contract with Main Roads, BMD has commissioned an independent company to undertake condition surveys of residential properties within 100 meters of the construction works.

If a resident or business believes damage has occurred to their property, they must first ensure their property is safe and take all necessary steps to limit any further damage. Once their property is secure, they should ring the project information line on **138 138**.

### Further information

If you require additional information about how the project is managing vibrations, please call the project information line on **138 138** or email [enquires@mainroads.wa.gov.au](mailto:enquires@mainroads.wa.gov.au)



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