

Noise and vibration fact sheet

The Wave (Rail)

Our commitment to the delivery of The Wave (Rail) is to reduce impacts on the community and environment during construction and operation, where possible.

Noise planning for rail infrastructure

The Department of Transport and Main Roads (TMR) is committed to reducing the adverse impacts of transport infrastructure, including rollingstock noise and vibration emissions through practicable measures to be implemented to prevent or minimise impacts to surrounding communities.

TMR is currently developing an Interim Guideline for Operational Railway Noise and Vibration, which will be used to guide the planning and design of the project.

You can find the interim guideline by searching '[Transport Noise Management Code of Practice](#)' on the Department of Transport and Main Roads website at tmr.qld.gov.au.

What is noise and vibration monitoring?

Noise and vibration monitoring is an important step in planning for delivery.

Noise and vibration monitors will be placed in locations around the Sunshine Coast to collect samples of background noise levels so that TMR can adequately assess 'base' noise levels prior to construction or operation of the rail line.

TMR has a responsibility to keep noise generated by transport infrastructure within set limits and this baseline, or 'before' data, is required to monitor this.

TMR will also place noise monitors in other areas across South East Queensland to collect samples of rail related noises (such as at existing rail stations).

Together, the base noise levels and rail noise samples will be used to develop a 'noise model' which will be used to ensure that appropriate measures are put in place to minimise noise of construction and operations to surrounding areas.

Minimising noise and vibration of the rail line

Opportunities to minimise noise and vibration of the rail line include:

- optimising the rail track alignment through design (straightening/ reducing curves where possible)



- considering construction method materials used
- considering noise source treatments.

Detailed noise assessments and modelling will be undertaken. Required noise mitigation measures and visual impacts will be confirmed as part of the project environmental assessments and detailed design phase.

More information

Stay up to date with the latest information about The Wave (Rail) or sign up to receive updates when the detailed design is available.

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All information contained in this communication is accurate at the time of distribution.