

References for research on land transport noise

NZ Transport Agency references:

- State highway construction noise guide (November 2011 / version 0.3)
- Guide to assessing road-traffic noise using NZ6806 for state highway asset improvement projects (October 2011 / version 1.0)
- Guide to state highway road surface noise. Draft September 2012
- Western Ring Route – Waterview Connection: Assessment of Vibration Effects July 2010
- Transit New Zealand Environmental Plan 2008: Part two : Impacts
- Transit Planning Policy Manual version 1 (1 August 2007). Appendix 5d – reverse sensitivity.
- Calculation of Road Traffic Noise – New Zealand
- Low noise road surfaces

Reverse sensitivity measures to address road traffic noise from state highways. Malcolm Hunt Associates July 2005 for Transit New Zealand National Office.

Ontrack

Ontrack Rail Noise Criteria Reverse Sensitivity Guidelines. Marshall Day Acoustics report 22 October 2009

Auckland Transport

Auckland Transport Reseal Principle (undated)

Auckland Council

Letter re Orakei Point Plan Change from Hegley Acoustic Consultants to David Wong. 10 August 2011

New Zealand and overseas standards

New Zealand Standards:

NZS 6801: 2008 – Acoustics – Measurement of environmental sound

NZS 6802: 2008 – Acoustics – Environmental Noise

NZS 6803: 1999 – Acoustics – Construction Noise

NZSS 6806: 2010 – Acoustics – Road traffic noise – New and altered roads

Norwegian Standard

NS 8176.E September 2005 – Vibration and shock – Measurement of vibration in buildings from land-based transport and guidance to evaluation of its effect on human beings

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BS 5228-1:2009 : Code of practice for noise and vibration control on construction and open sites - Noise

BS 5228-2:2009 : Code of practice for noise and vibration control on construction and open sites - Vibration

Department of Building and Housing

Department of Building and Housing: Proposed changes to Building Code Clause G6 (Airborne and Impact Sound) and the associated Verification Method and Acceptable Solution. Appendix A – Proposed Building Code Clause G6 (Protection from Noise).

Other publications/information

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Reduction of train-induced building vibrations by using open and filled trenches. M. Adam and O. von Estorff. Computers and Structures 83 (2005) 11-24.

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