

# Road Traffic Noise

NZSP6806

## Acoustics

– Road Traffic Noise –  
new and altered roads

# development

1992 no consensus on criteria

1994 Transit working document - *Draft Guidelines for the Management of Road Traffic Noise -State Highway Improvements, Nov 1994*

1995 Joint SA/SNZ project?

1999 Appendix 6 of the Planning Policy Manual

2000 SNZ project – terminated

2000 -2007 policy development

2006 - July Cabinet recommendation

2006 - December Scoping committee

March 2007 work on P6806 commenced with targets:-

- public comment late 2008 to early 2009
- review public comment & publish mid 2009

# parties involved

MoT contracted Standards New Zealand to develop the standard

- Stakeholders included:-
  - Department of Building and Health
  - GDL Ltd
  - INGENIUM
  - Local Government New Zealand
  - Ministry of Health
  - Ministry of Transport
  - New Zealand Acoustical Society
  - New Zealand Institute of Environmental Health
  - New Zealand Transport Agency
  - Road Controlling Authorities Forum
  - Roading New Zealand

# limitations

- **Accoustics – Road Traffic Noise – new and altered roads, P6806**

## **proposed standard will address;**

- New/greenfields roads (> 2000 AADT)
- Road improvements (> 2000 AADT)

## **proposed standard not to address:**

- vehicle noise / vehicle based controls
- rail noise (new/existing)
- noise from construction or maintenance

# objectives & contents

Standard intended to assist road control and consent authorities in making consistent noise management decisions.

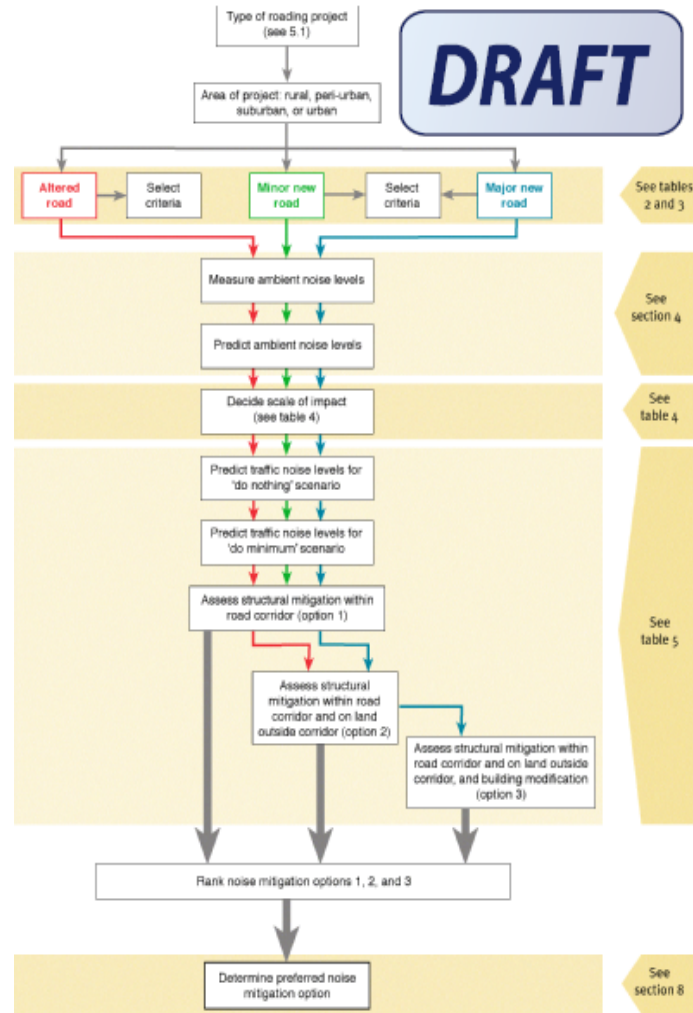
Aim of standard to address gaps and inconsistencies in information currently in the public domain.

Standard will prescribe decibel limits, based on LAeq(24h), for noise produced by new and altered local roads and state highways.

Advice on measurement and prediction procedures.

Standard to include information on noise management, mitigation techniques, options and examples with indicative costs.

# process



# application

- Land use planning guidelines
  - Protect
    - people from roads
    - roads from people
- Engineering solutions
  - standardised measurement methods
  - standardised assessment process
- Focus on best practicable option

# some things to look for

- Road noise:- mechanical, exhaust, tyre/road, aerodynamic
- Definition of altered road:-  
*change to horizontal/vertical alignment where 3dB Laeq(24 Hours) noise increase to design year*
- Attention to volumes:- threshold 2000vpd
- Mitigation sought:- 3dB in urban & peri-urban, 5dB in rural
- Period:- design life
- Distance from carriageway to effected premises

# where to from here

- Draft open for comment any day
- Will advise web link when ready
- Comment by early - mid February 2009
- My contact details:-
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