

# Trials of Traffic Control Devices



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# The 'Rules'



## Land Transport Rules:

- Land Transport Rule: Traffic Control Devices 2004
- Land Transport (Road User) Rule 2004
- Land Transport Rule: Setting of Speed Limits 2003



# Trials



## Section 3.4 Traffic Control Devices Rule:

- By notice in the NZ Gazette
- Authorisation only to road controlling authorities
- Trials not exceeding 2 years
- Trials can be terminated if unsafe
- Evaluations after 6 months and at end
- If successful new device considered for inclusion in next Rule amendment



# Traffic Note 10

## Trials of traffic control devices - Guidelines



### Applications should contain:

- outline of issues
- development background
- technical analysis
- impacts and risks assessment
- expected safety and efficiency gains
- consultation (undertaken and proposed)
- proposed assessment method

<http://www.nzta.govt.nz/resources/traffic-notes/docs/traffic-note-10-rev3.pdf>



# TCD Steering Group

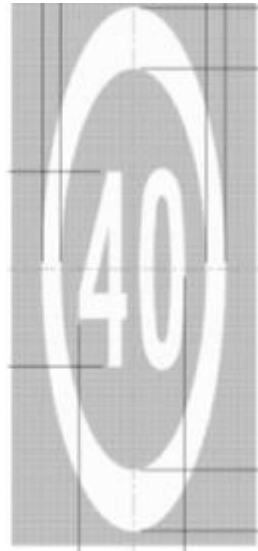


## Cross sector group:

- NZ Transport Agency (chair/Rule delegations)
- Ministry of Transport
- road controlling authorities
- NZ Automobile Association
- NZ Police
- roading contractors
- **traffic sign industry**
- **road marking industry**



# Safer speed area signs and markings



- Demonstration areas where speed limits have been set using Safe System principles



# Wide centrelines



- Trial was successful
  - Avge 320mm increase in separation
  - No change in edge and centreline crossings
  - No speed changes observed
  - 50% reduction in head-on crashes
  - B/C of 8.7
- Proposed to be included in the Rule



# School advisory speed signs



- Successful trial in Selwyn for 8 rural schools
- Trial extended into Auckland including urban sites
- Does not require changes to speed limit bylaws





# Variable speed limits for rural schools



- Trialing 60km/h and 70km/h variable speed limits to address turning traffic hazards at rural schools



# Rural Intersection Advance Warning Signs (RIAWS)



- Two sites under trial
  - Activated by side road and turning lane traffic
  - Early results promising
- Alternative option:



# 20km/h school bus signs



- Trial starting on a fleet of school buses in Ashburton
- Signs only operate when school bus stopped and loading/discharging passengers
- Supported by strong public education campaign



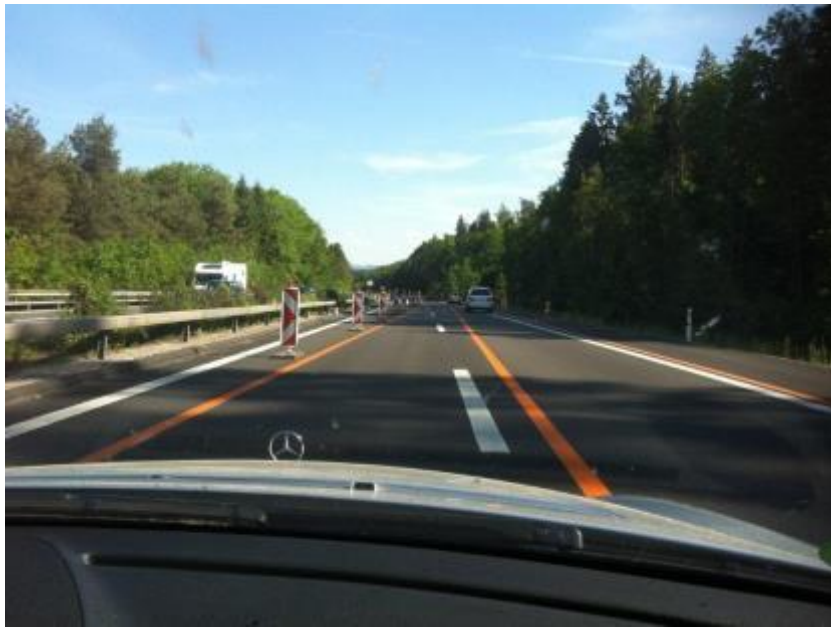
# Ice warning RPMs



- Range of sites trialing flashing blue LEDs to warn of possibility of ice
- TCD Rule specifies blue for water hydrants only
- Trial requires no explanatory signs



# Orange roadmarking at roadworks



- Trialling temporary orange tape
- Existing markings must be masked or removed
- No explanatory signs



# Alternative rural road markings



- Under consideration for quiet rural roads
- Improves active road user safety?
- 60km/h speed limit?



# Thank you!



NZ TRANSPORT AGENCY  
WAKA KOTAHI

New Zealand Government