

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

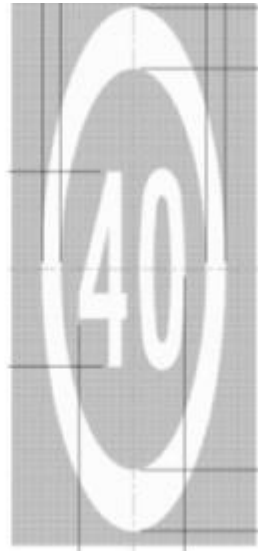


Cross sector group:

- 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

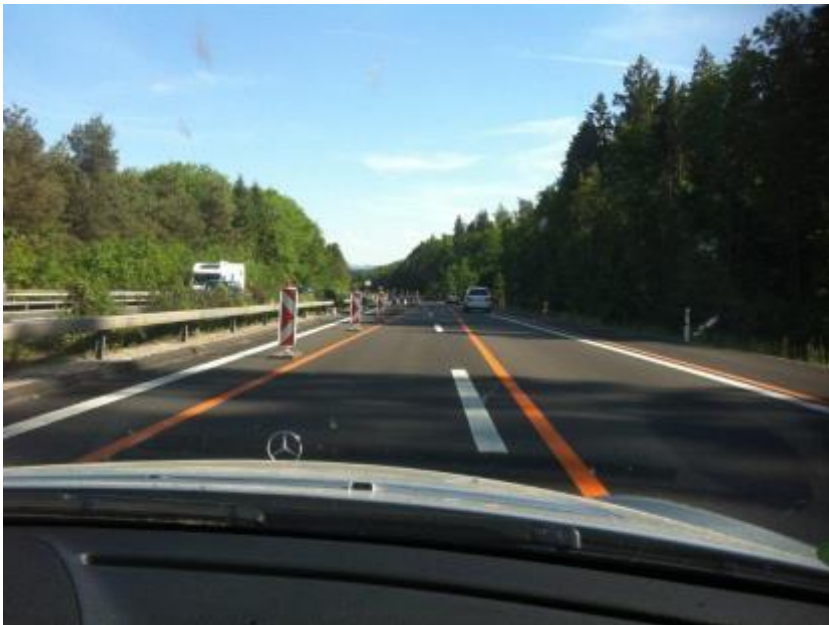


Ice warning RPMs



- 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