
Towards a nationally consistent road classification system

Evolution Not Revolution

- Mapping convention has a classification system
- District and Regional Plans have a hierarchy
- Functional Hierarchy of roads report (April 2007)
- NZS 4404 Part 3 Roads
- National Road Classification System
- State Highway Classification System



NZ TRANSPORT AGENCY
WAKA KOTAHI



Towards a nationally consistent road classification system

National Road classification is:

the orderly *grouping of roads* according to the type of service they provide to users.

Bill Greenwood Principal Engineer NZTA



NZ TRANSPORT AGENCY
WAKA KOTAHI



Road Controlling
AUTHORITIES FORUM (NZ) INC

Towards a nationally consistent road classification system

National Classification assists:

in establishing the geometric design features for each *group of roads*, consistent with the short and long term operational needs of that particular group.



NZ TRANSPORT AGENCY
WAKA KOTAHI



Road Controlling
AUTHORITIES FORUM (NZ) INC

Towards a nationally consistent road classification system

National Classification outcome:

Road systems operate most safely and efficiently as each *group of road* is designed to serve its intended purpose taking into account users, context and value for money.



Towards a nationally consistent road classification system

What models are available?

- Functional Hierarchy of Roads Reports

Draft functional classification (MWH April 2007)

Comparison NRCS & NZS 4404- (2004)

- Austroads Guides:

GRD Part 2 Section 2.4, GTM Part 1 Section 3.4, Part 4

Section 4, Part 5 Section 1.2, Part 8 Section 2.4, Part 12

Commentary 3.

- NZS 4404 Land development

Link & Place, Manual for Streets



NZ TRANSPORT AGENCY
WAKA KOTAHI



Road Controlling
AUTHORITIES FORUM (NZ) INC

Towards a nationally consistent road classification system

A National Road Classification System means:

- more flexible design of roads
- better value for money
- innovative design solutions
- better integration land use & transport

less need to justify that **integrated** roads provide a **safe and fit for purpose** solution



Towards a nationally consistent road classification system

Where to from here?

- Reconvene the NRCS steering group

- LGNZ/RCA Forum representative required

- Integrate NRCS with:

- Freight & tourism classification
- Planning and investing for outcomes
- Safe Systems delivery
- Manual for Streets NZ



NZ TRANSPORT AGENCY
WAKA KOTAHI



Road Controlling
AUTHORITIES FORUM (NZ) INC

Towards a nationally consistent road classification system

Draft NRCS publicly notified

If a consensus published December 2011.

email networkstandards@nzta.govt.nz

Bill Greenwood ☺
Principal Engineer
National Programmes NZTA