A new tool for CoPTTM

One size fits all
Delineation-Fencing-Barricades
The situation – delineation-fencing-barricades

Key tools in TTM are:

- Cones for delineation
- Fences for separation
- Barricades for closures
The situation – delineation-fencing-barricades

These tools are often used in other roles:

- Cones for fencing
- Fences for delineation
- Plastic Barricades for safety barriers
There can be problems

- Cones are blown or knocked over
There can be problems

- Barricades are mistaken for barriers and will not stop a car penetrating the worksite.
- 01-Crash.flv
There can be problems

- A recent trend has been to use barriers as barricades.
There can be problems

- Fences do not always separate and protect.
There can be problems

- Fences require additional delineation.
Is there a solution?

Is there a way we can tidy up this situation?
What do Cones, Fences and Barricades have in Common?

**Colour**

- Cones and barricades must be **fluorescent orange** with:
  - chromaticity coordinates - table 2.5 of AS/NZS 1906.1:2007,
- Fences do not require a colour
What do Cones, Fences and Barricades have in Common?

**Height**

- Cones have a minimum height of **900mm**
- Fences must be **1000 mm**
- Barricades with sight boards have a minimum height of **975mm**
What do Cones, Fences and Barricades have in Common?

Retro-reflectivity

Cones must have white retro-reflective bands that are:

- class 1 high intensity sheeting in table 2.2 of AS/NZS 1906.1:2007, and
- Bands must conform to the width and height requirements
- Fences and barricades do not require retro-reflective bands, but must have a line of cones facing the traffic
What is the solution?

Let's start at the beginning with a cone.
Delineators

Cone
Delineators

Cone
Delineators

Cone
Delineators

Cone

900mm
Delineators

Cone

900mm

Tubular delineator
Delineators

Cone

Tubular delineator

900mm
Delineators

Cone

Tubular delineator

900mm
Barricades
Barricades

900 to 1200
Barricades
Fences

900mm
Fences

Secure top and bottom rail & at least 1m high

BALLAST

≥1m
Fences

Child proof infill

≥1m
Fences

Clip together
Fences

Clip together
Fences

Clip together
Advantages

• A single tool to provide both a fence and delineation in areas < 65 km/h

• Avoid a false sense of security provided by imitation barriers

• Save money, no need to use barriers

• More stable than cones
NZTA has:

- developed a draft specification
- planned a consultation meeting for Friday 16 August 2013 – For a copy of the draft specification and/or to attend the meeting email:
  - Copttm.consult@nzta.govt.nz