GUIDELINES FOR TEMPORARY SPEED HUMPS AT WORK SITES

1. Purpose

The purpose of this document is to outline guidelines for the use of portable speed humps where a 40 km/h work zone speed limit has already been established.

2. Background

Excessive speed of passing motorists at road works has been identified as a major safety issue for road workers. Speed control of vehicles at roadwork sites has traditionally been primarily managed by the use of speed restriction signing and traffic controllers.

It is recognised that a significant proportion of road users do not strictly observe roadwork speed limit signs, and in some cases don't respond to the directions given by traffic controllers to slow down through road work sites.

Greater speed compliance can be achieved through an established 40 km/h work site by the application of strategically placed temporary speed humps laid out in conjunction with accompanying warning signs.

Only approved temporary speed hump devices shall be considered for use at roadwork sites to assist in reducing speeds and therefore creating a safer work environment for road workers through these 40 km/h work sites.



Figure 1. Portable Speed Hump

Application of a Speed Hump Device

Prior to the use of any temporary speed hump device on a 40 km/h work site, a Traffic Control Diagram (TCD) shall be developed for the particular work site. Due consideration needs to be given to the most appropriate course of action to protect workers, during the development of the TCD (AS 1742.3).

If higher order devices (such as safety barriers), are considered to be inappropriate or unmanageable, a 40km/h speed zone with temporary speed humps can be considered subject to a risk assessment being undertaken.

Temporary Speed humps shall only be implemented where all other road environment options which can used to encourage compliance with the speed limit have been exhausted and non-compliance with the 40km/h speed limit continues to be an issue.

Temporary speed humps shall only be utilised:

- On a short term work site that is already under 40 km/h speed control, installed as part of as TCD developed in accordance with AS 1742.3 and Main Roads CoP.
- In conjunction with appropriate training for installers.
- In daylight hours or under floodlighting at each temporary speed hump location point.
- Within the confines of the area defined by the work zone.
- In conjunction with appropriate warning signs (as outlined in this guideline).
- When the work site is attended and removed when no roadwork is being carried out. (It is important to note that removing devices whilst the job site is unattended is essential to maintain the credibility of the device).
- When temporary speed humps are considered at road works, it is essential that they only be incorporated within a TCD which genuinely warrants the use of 40 km/h speed limits.

There are a number of points that should be considered when installing temporary speed humps as part of a TCD. They include:

- Determining the most appropriate installation procedure to be used at the site.
- Establishing the number of temporary speed humps to be used at the site.
- Establishing if there is actually a requirement to install temporary speed humps in traffic lanes not immediately adjacent to the work area.
- Determining the number, type and position of speed hump warning signs required for the site.
- The layout of delineation and other traffic control devices which are used in conjunction with the temporary speed humps.
- Whether the road surface is sealed or unsealed and its condition (which influences the effectiveness of affixing the humps to the surface and their ability to stay in position).

3. Setting up of Temporary Speed Humps

4.1 Speed Control Signing

Appropriate 40 km/h speed restriction signing installed in accordance with AS 1742.3 and Main Roads CoP shall be utilised.

4.2 Number of Temporary Speed Humps at a Work Site

A minimum of two temporary speed humps shall be utilised at a work site, one at each end of the road work area.

If the length of the work zone is greater than 200 meters, or there is an interrupted line of sight between each end of the work zone, then intermediate temporary speed humps and their associated signing shall be installed at intervals of not more than 100 meters.

In two directional arrangements, it may only be necessary to install temporary speed humps in the lane closest to the work site.

4.3 Speed Hump Warning Signs

A temporary warning sign shall be located in advance of the work areas containing temporary speed humps. These warning signs shall only be visible in the direction in which the hump is traversed.

4.4 Advance warning signs

Temporary advance warning signs shall be installed in the transition area of the road work site where temporary speed humps have been installed.

4. Speed Hump Installation Requirements

All temporary speed humps shall be installed, maintained and removed in accordance with a TCD developed in accordance with AS 1742.3 and Main Roads CoP.

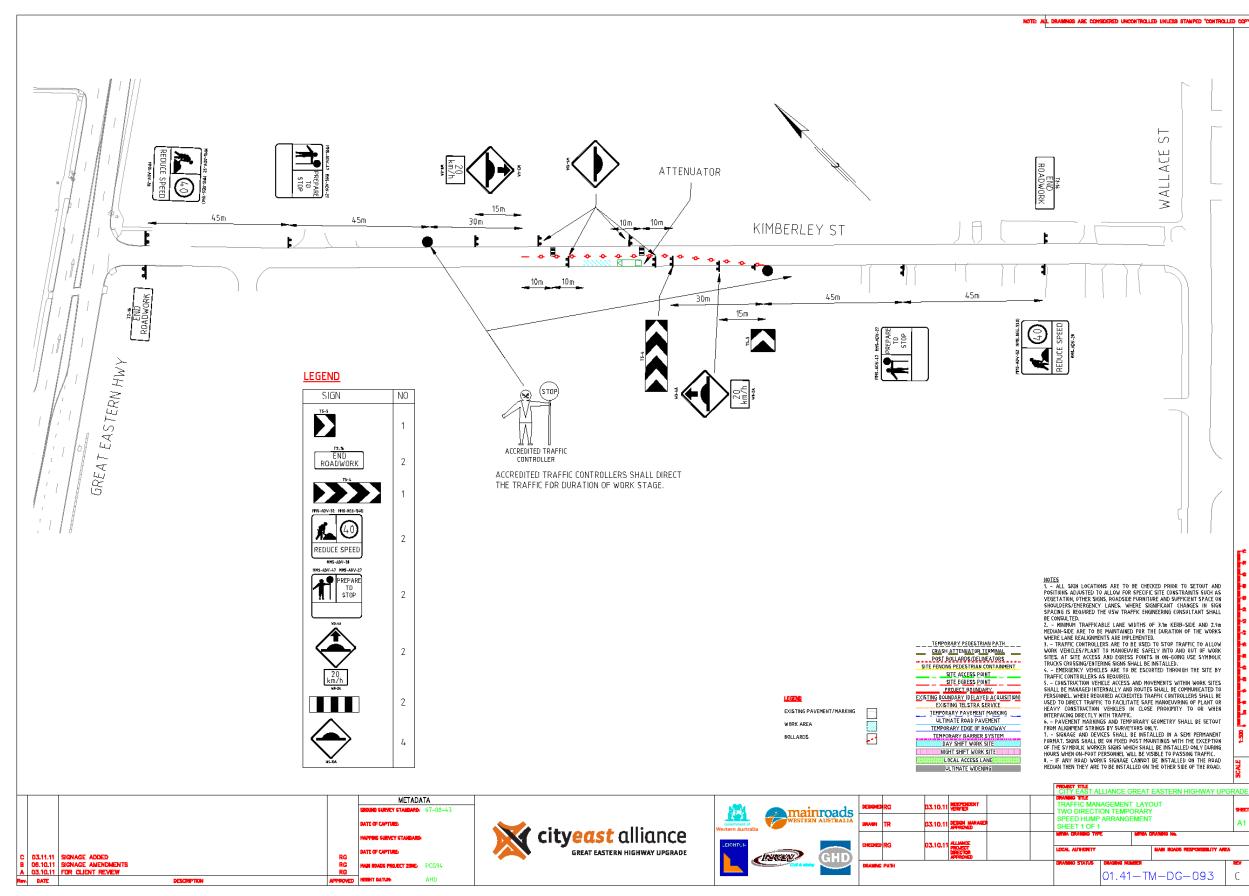
The manufacturer's installation instructions are to be strictly complied with. Traffic shall be controlled by traffic controllers during installation, maintenance or removal of humps.

Any speed hump should be positioned to allow a bicycle rider or motor bike to safely manoeuvre around the end of the hump without hitting any other object or hazard. A minimum clearance of 0.5 metres should be allowed.

A device which is to be used as a Temporary Speed Hump shall not be approved if it were, in itself, to present an unacceptable increased risk of causing an incident.

5. Delineation

Where two-way traffic passes through the work area, there will be a need to ensure traffic does not attempt to bypass the temporary speed humps. Delineation may be required between each of the lanes to guide vehicles over the temporary speed humps. Traffic cones and bollards should be considered for this purpose, with procedures in place to keep them intact.



Appendix: TCD example of Temporary Speed Humps (note- this is a guide only and does not encompass all other required Traffic Management signage and/or devices)

