

Urban Road Safety Program

Raised Safety Plateau

What are raised safety platforms?

Raised safety platforms are often applied at 'simple' intersections with stop or give way controls on lower-order roads (e.g. in residential areas) that have the potential for right-angle crashes.

The platforms reduce the speed of vehicles travelling through an intersection to keep speeds below serious collision thresholds (i.e. the point at which those involved in an accident would be killed or seriously injured should a collision occur).

For pedestrians and cyclists, raised safety platforms can improve safety and perceived ease of crossing.

For vehicles with long-wheel bases, such as buses, raised safety platforms can be designed to minimise vehicle occupant discomfort while moving over the platforms while still reducing operating speeds through an intersection.

What do they look like?

Raised safety platform



Image source: NACTO Global Street Design Guide

Raised safety platform with 'shark teeth'

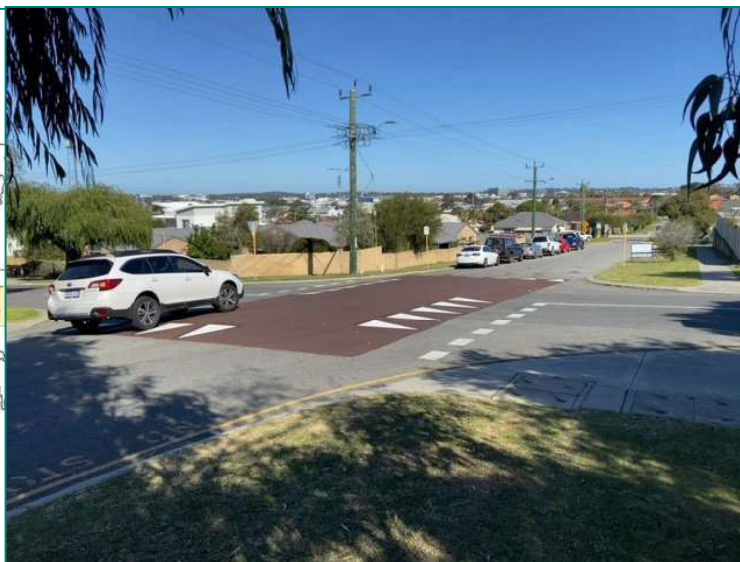


Image source: Main Roads

What impact do they have?

Raised safety platforms are costly but have high positive impacts on speed reduction and crash reduction, with some benefit to amenity in an area.



What design features need to be considered?

Main Roads has a standard raised safety platform design that is well suited for a range of applications. However, less extensively engineered designs are available that can be delivered at a lower cost, in particular areas and particular circumstances, while still delivering safety benefits. These include raised safety platforms that are shorter length to sit clear of existing pedestrian crossings and/or platforms that utilise or enable the retention of existing kerbing, pram ramps and drainage.

Raised safety platforms are also more cost effective where an island is not required as part of the design and the site is not constrained by utilities (e.g. power, water or gas pipes) that need to be relocated or accommodated in the design.

Where can I find further information?

Raised safety platforms are just one of the treatments being constructed on local government-managed roads as part of the Low Cost Urban Road Safety Program, funded by the State Government.

For further information on the program, visit Main Roads website at:

<https://www.mainroads.wa.gov.au/technical-commercial/local-government-funding/road-safety-programs/>

You can also contact us on 138 138 or via: enquiries@mainroads.wa.gov.au