



It Won't Kill You To Slow Down

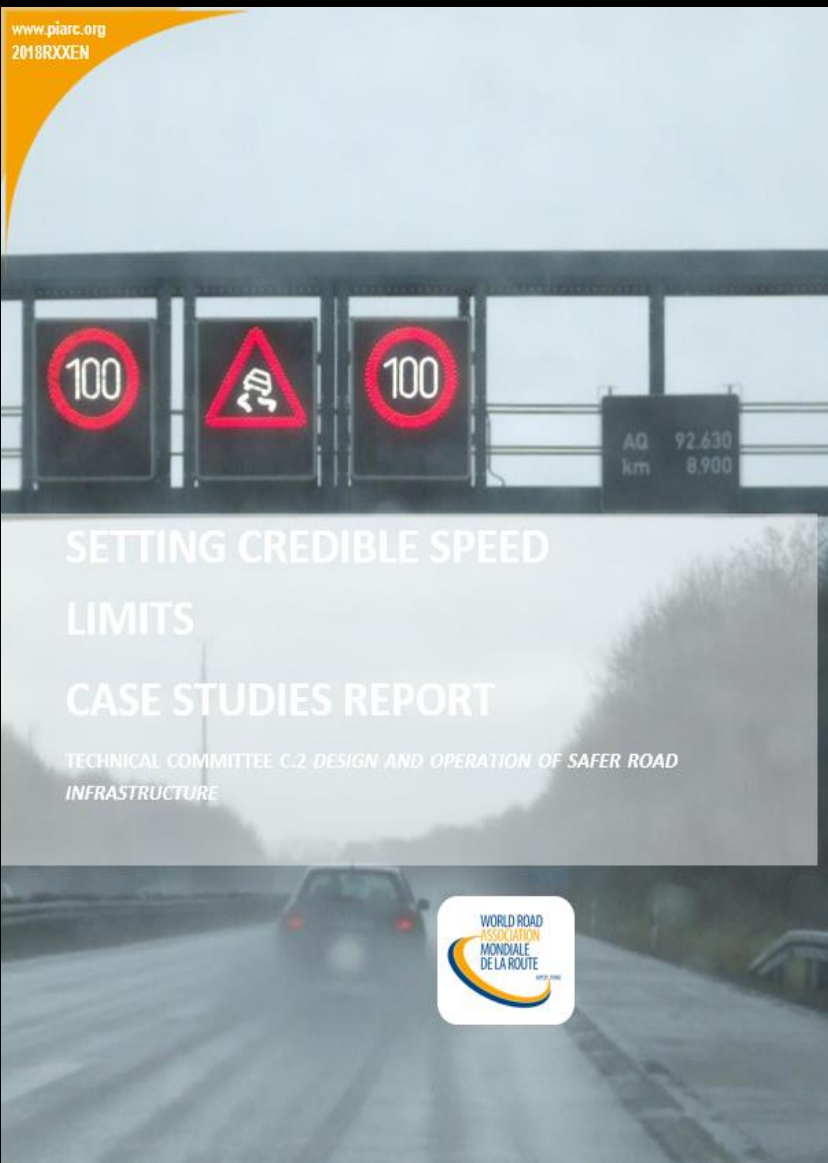
There are a lot of misconceptions about the role that speed plays in crashes. Protect yourself and your loved ones by getting the facts.

SETTING CREDIBLE SPEED LIMITS

- Case studies from Finland and World

NVF - Road Safety, online seminar 18.11.2021

Jaakko klang, Centres for Economic Development, Transport and the Environment, Finland



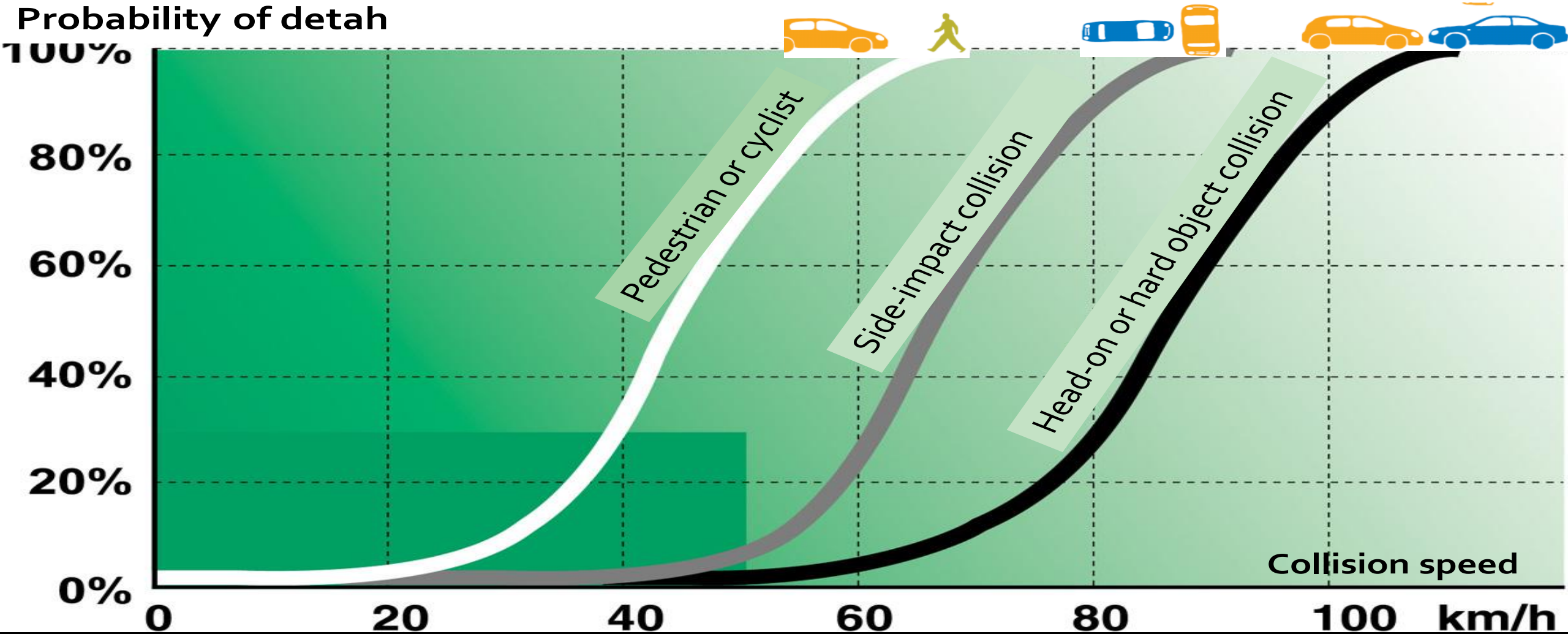
This report is available:
<http://www.piarc.org>

SETTING CREDIBLE SPEED LIMITS CASE STUDIES REPORT; TECHNICAL COMMITTEE C.2 DESIGN AND OPERATION OF SAFER ROAD INFRASTRUCTURE

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Human endurance



MOTORISTS ATTENTION!
YOU ARE ON YOUR HONOR
FRESNO COUNTY HAS NO SPEED COPS
DRIVE SO THEY WILL NOT BE NEEDED
SPEED LIMIT 30 MILES PER HOUR = Board of Supervisors



Credible speed limit? A credible speed limit is defined as a speed limit that corresponds to the overall situation of the road and its traffic.





The starting point for any credible speed limit must be that it indicates a safe speed limit.

- width of the road,
- the curviness of the road,
- the view ahead,
- the view on the right,
- the complexity of the traffic situation
- any structures
- any trees on the right side of the road.

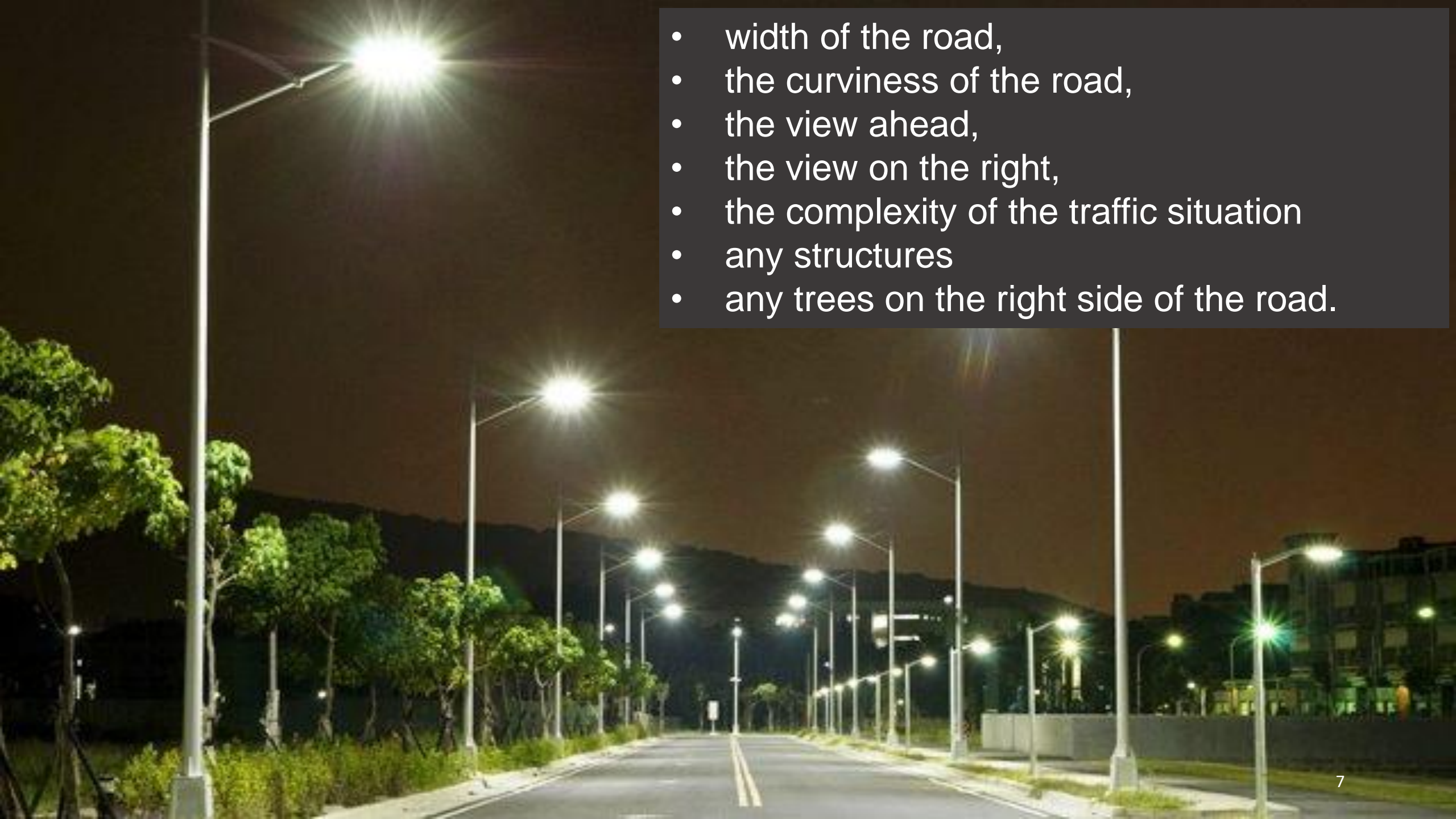




Figure - Connectivity problems with the toll motorway. Road Safety Inspection of the Free Federal Highway Mexico-Toluca (MEX-15), Mexico



Changing the Character of Roads within Silver Zones to lower speed limits

Country

Singapore

Implementation Organization

Land Transport Authority

Subject

Silver Zone aims to change the character of the street such that traffic movement is slowed down significantly to below 40km/h ...

There are two actionable options if the speed limit is not credible in practice: modifying either the speed limit or the road and its environmental features.



Features of road and road environment	Accelerators	Decelerators
PRIMARY		
1. Tangents?	Long	Short
2. Physical speed limiters?	Not present	Yes (many bends or intersections)
SECONDARY		
3. Openness of the situation	Open, clear road environment	Closed, inconveniently arranged road environment
4. Road width	Wide	Narrow
5. Road surface	Smooth	Rough



Open road environment strengthens the long sections accelerator.



A closed road environment thus strengthens the short sections decelerator.

An improvement measure that appears to have a poor impact on road safety in a particular area may prove to be more effective in other areas with different conditions - not only because of the road and its surroundings - but also because of cultural considerations.



Conclusions

A speed limit is credible if it corresponds to the expectations for the road and its environment.

A safe speed limit must always be the priority.

Credible speed limits are a promising method of speed management and an operational model for improving road safety.

Efforts to develop credible speed limits are worth pursuing and research on and the implementation of this concept should be furthered.

