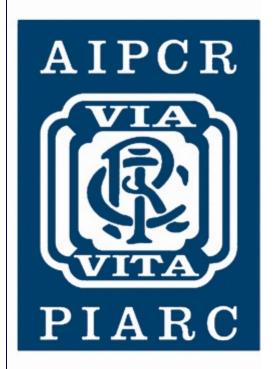
Association mondiale de la Route



World Road Association

Low Cost Countermeasures

Phil Allan Australia

ROAD SAFETY SEMINAR Lome, Togo October 2006



Road Safety
Inspection
or other
assessment

Deficiency

Counter measures



Road Surface

Deficiencies can include:

- > Rutting
- Slippery Surfaces
- Edges with large fall off
- Poor or no shoulders

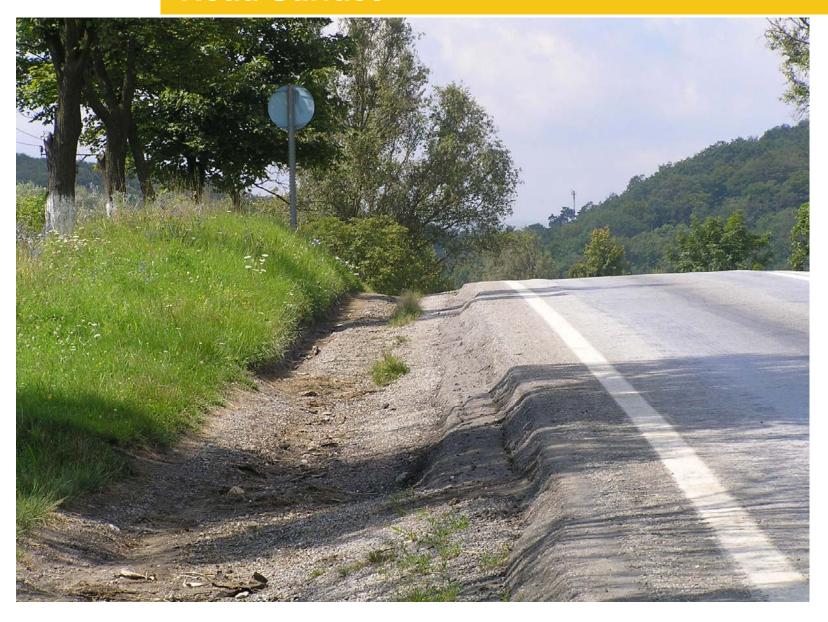


Road Surface





Road Surface





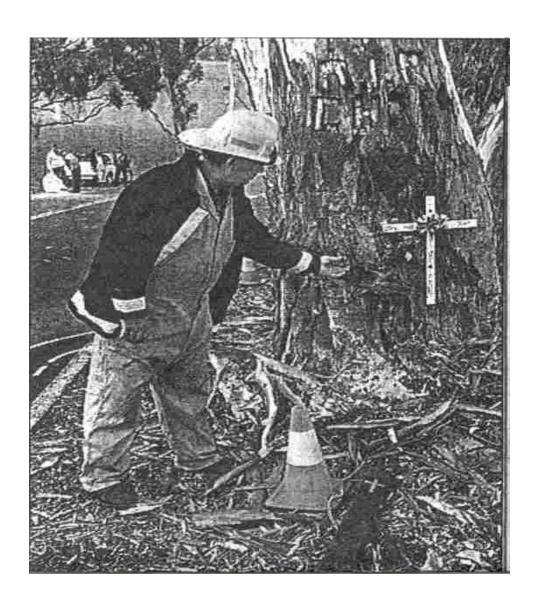
Hazards can include:

- > Poles
- > Trees
- > Drains























Other Deficiencies

Examples include:

- Road design
- Poor signage
- Mixed traffic



Other Deficiencies

Poor signage – day/night







Other Deficiencies





Low Cost Countermeasures



Road Safety Inspection

Deficiency

Counter measures



Overtaking Lanes





Overtaking Lanes





Road Safety Inspection

Deficiency

Counter measures



Roundabout







Turning Lane







Road Safety Inspection

Deficiency

Counter measures



Cycle path





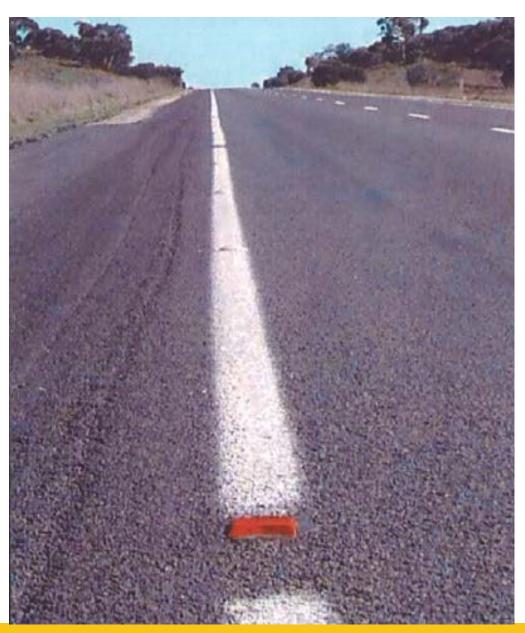
Road Safety Inspection

Deficiency

Counter measures



Shoulder sealing





Shoulder sealing





Road Safety Inspection

Deficiency

Counter measures



Speed enforcement technology











Road Safety Inspection

Deficiency

Counter measures



Hazard removal or protection







Hazard removal or protection





Hazard removal or protection





Road Safety Inspection

Deficiency

Counter measures



Cycle Lane





Cycle Lane





Road Safety Inspection

Deficiency

Counter measures



Traffic Calming









Traffic Calming







Traffic Calming





Road Safety Inspection

Deficiency

Counter measures



Pedestrian treatments







Pedestrian treatments





Road Safety Inspection

Deficiency

Counter measures



Rumble Strips







Road Safety Inspection

Deficiency

Counter measures



Audio Tactile Edge Lining









Road Safety Inspection

Deficiency

Counter measures



Rest Areas







Road Safety Inspection

Deficiency

Counter measures



Line marking









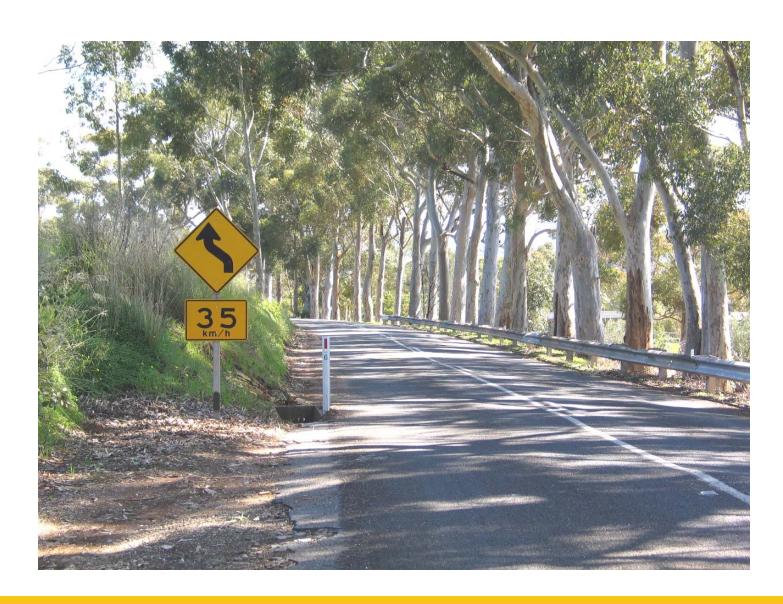
Road Safety Inspection

Deficiency

Counter measures



Signage





Signage





Signage









Road Safety Inspection

Deficiency

Counter measures



Lower speed limits

In Australia:

- Default urban speed limit has dropped from 60 to 50km/h
- > 100 to 80km/h on selected Hilly roads
- > 110 to 100km/h on selected rural roads
- Casualty crashes decreased by approximately 20% on all roads where the speed limit was reduced
- > 25km/h 40km/h school zones
- > 40km/h shopping precincts/residential areas



Thank you for your attention

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