CHECKLIST TOOL: ROAD DESIGN – VICTORIAN CARAVAN PARKS

This checklist style tool should be used in line with the document *Victorian Caravan Parks Road Design Guiding Principles*. The purpose of this checklist is to assist practitioners when developing or redeveloping a Victorian caravan park. The checklist may also provide general assistance to existing caravan park operators should they wish to improve road safety within their site and mitigate crash risk. Users should rely on their own skill and judgement to apply information to particular issues, and a site specific road safety assessment by a qualified road safety or traffic engineer may be required.

CHECKLIST: ROAD DESIGN – VICTORIAN CARAVAN PARKS						
Issue	Yes	No	Suggestions			
Will the road layout keep travel speeds at a safe level?			 Avoid layouts with long straight sections of road that allow motorists to travel at high speeds. Road humps (or cushions) can be used to slow down traffic speeds. 			
Has an appropriate speed limit been set and have signs been installed?			 The speed limit should not be greater than 10 km/h. Consider applying a 5 km/h shared zone. 			
Does the site layout discourage vehicles from reversing into areas where there may be small children?			 Site layout should be designed to allow motorists to travel in a forwards direction and eliminate or reduce the need to reverse. If reversing movements can't be eliminated, then reversing areas should not be near areas where there may be small children. 			
Can users see over and past the landscaping at intersections, bends, accesses and pedestrian locations such as:			 Provide adequate sight lines by: removing, relocating, changing the opacity; or lowering the height of the object. 			
Are intersections free of any objects which could affect road safety?			 Remove or relocate objects. 			
Has vegetation been planted to avoid overhanging onto or above the road and creating a road safety hazard ?			 Relocate vegetation and ensure it is regularly maintained. 			
Does the road alignment such as crests and bends in the road restrict the sight of oncoming users (vehicles, pedestrians, cyclists etc.) and not allow sufficient time to			 Avoid road designs where crests and bends will restrict sight lines. Where this can't be avoided, consider: lowering the speed by 			



Issue	Yes	No	Suggestions
avoid a collision?			 applying a lower speed limit installing advanced warning signs; or implementing physical speed control measures. Provide footpaths along busy
Have adequate facilities been provided for pedestrians and are they safely located?			 Provide footpaths along busy pedestrian routes. Install pedestrian crossing facilities at busy crossing points.
Can pedestrians cross safely at: intersections? pedestrian crossings? kerb extensions? other locations?			 Provide crossing facilities at busy intersections or pedestrian crossing points. Crossing facilities should be marked or signed appropriately.
Is each crossing point satisfactory for: visibility, for each direction? all types of pedestrians, including: elderly? children? wheelchair users? 			 Ensure that pedestrian crossing facilities are clearly visible to motorists. Where there is a height difference between the path and crossing point, a ramp should be provided.
Are pedestrian fences provided where needed (for example, to guide pedestrians or discourage parking)?			 Consider installing fences to guide pedestrians away from any potential vehicle conflict points. These fences should be see-through.
Are pedestrians deterred from crossing roads at unsafe locations?			 Consider installing fences to guide pedestrians away from any potential vehicle conflict points. These fences should be see-through.
Have the needs of cyclists been considered:at intersections?on cycle routes and crossings?			 Adequate signs and linemarking should be installed at intersections and crossings. Adequate visibility of cyclists should be provided at intersections.
Are bicycle facilities safely located in respect of vehicular movements and adequately signed?			 Bicycle facilities should not be located near areas where there are a high number of vehicles movements.
Are parking areas conveniently and safely located?			 Parking areas should be located away from the main caravan park area. The entry/exit should not be near busy pedestrian areas.
Is adequate space provided in parking areas for circulation and required sight distance?			 Parking areas should be designed to allow for vehicles to travel in a forwards direction. The need for reversing should be limited. Parking aisle widths should be wide enough so that a motorist has enough time to avoid a collision should a small child run out from behind a vehicle. The use of kerb outstands at the end



Issue	Yes	No	Suggestions
			of parking bay aisles should be
			considered to provide adequate
			sight distances at intersections.
			 A speed limit of 10 km/h or less
			should be applied.
Are turning facilities for large vehicles			 Turning facilities for large vehicles
provided in safe locations?			should be provided to discourage
			reversing movements.
Has lighting been adequately provided where			 Install lighting at intersections and nedestrian grouping facilities if they
required?			pedestrian crossing facilities if they are not visible at night.
Have necessary traffic signs and road			 Signs and linemarking should be
markings been provided as part of the			consistent with those used on the
development?			road network.
			 Smaller signs can be used within the
			low speed environment.
Are signs appropriate to the driver's needs			 Avoid the overuse of signs as this can
(for example direction signs, advisory speed			create more confusion and be a
signs, etc.)?			distraction to the driver.
Are signs located where they can be seen and			 Signs should be clearly visible and
read in adequate time?			any vegetation maintained to ensure
			that it does not obstruct the sign.
Are signs located so that they do not block			 Ensure that the placement of signs
visibility:			does not obstruct the visibility of the
 to/from access and intersecting 			road users.
roads?			
 to/from pedestrians and important features on the road? 			
Will the signs and markings be clear in all			 Check that the signs and linemarking
conditions, including day/night, rain, fog,			can be sign in all conditions.
etc.?			can be sign in an conditions.
Is priority clearly defined at all intersection			 Ensure that adequate intersection
points within the car park and access routes?			controls have been implemented
			e.g. GIVE WAY, STOP etc.
Where possible has the separation of			 Avoid locating busy pedestrian areas
pedestrians and vehicles been considered?			next to busy traffic areas.
(especially at entrances and exits)			 If a busy pedestrian area is next to a
			busy traffic area, then consider using
			physical controls such as fencing to
			prevent potential conflict points.
Has the separation of loading/unloading			 Avoid locating loading/unloading
areas from vehicle traffic and pedestrian			areas next to or near busy
areas been considered?			pedestrian areas.
			 If a loading/unloading area is next to or poor a busy podestrian area, then
			or near a busy pedestrian area, then consider using physical controls such
			as fencing to prevent potential
			conflict points.
Can all accesses be used safely by all road			 Ideally, pedestrian and cyclist
users (motorists, cyclists, pedestrians etc.)?			facilities should not be placed at
	1		vehicle access points.



Issue	Yes	No	Suggestions
			 If high pedestrian or cycling activity occurs near an access, then consider installing adequate warning signs or provide crossings which give priority to pedestrians or cyclists. Avoid placing objects near accesses that can obstruct the visibility of road users.
Are the traffic lanes wide enough to accommodate the necessary vehicle movements?			 The roads should be designed to accommodate large vehicles including caravans.
Have the appropriate vehicles been considered in the design of turning dimensions?			 The roads should be designed to accommodate the largest type of vehicle likely to use the roads.
Will emergency service vehicles be able to access and move around the site safely?			 The road widths and turning areas should be designed to accommodate emergency service vehicles. Ensure that objects or structures do not restrict emergency service vehicle access.
Will waste collection vehicles be able to access and move around the site safely?			 Road widths should be designed to accommodate waste collection vehicles. Provide turning areas to discourage waste collection vehicles from reversing.

