

## ARRB Transport Research Road Classifications

Class A Road – sealed & unsealed		Flat	Rolling	Mountain
Function	<ul style="list-style-type: none"> <li>Provides primarily for the main traffic movements into and through a region. This includes access to high use visitor sites, parks and forest areas.</li> <li>Caters generally for higher travel speed, all vehicle types including large vehicles (i.e. buses and trucks)</li> </ul>			
Surface	All-weather road predominantly two-lane and mainly sealed.			
Speed	80kmph	70kmph	60kmph	
Average Daily Traffic (ADT) over the peak season	>150 ADT			
Number of lanes	2			
<b>Sealed</b>				
Min. traffic lane width	3.5m	3.0m	3.0m	
Min. shoulder width	1.0m	1.0m	0.5m	
Min. carriageway width (lanes + shoulder)	9.0m	8.0m	7.0m	
Camber – sealed	3%			
Max. vertical gradient	6%	8%	12%	
<b>Unsealed</b>				
Min. traffic lane width	3.5m	3.0m	3.0m	
Min. shoulder width	1.0m	1.0m	0.5m	
Min. carriageway width (lanes + shoulder)	9.0m	8.0m	7.0m	
Camber – unsealed	5%			
Max. vertical gradient	6%	8%	12%	
Class B Road – sealed & unsealed		Flat	Rolling	Mountain
Function	<ul style="list-style-type: none"> <li>Provides access to moderate use visitor sites, parks and forest areas.</li> <li>Serves the purpose of collecting and distributing traffic from local areas, moderate use visitor sites and forest areas to or from primary or minor roads.</li> <li>Caters for moderate travel speed of a full range of vehicles including large vehicles.</li> </ul>			
Surface	All-weather two lane road formed and gravelled or single lane sealed road with gravel shoulders			
Speed	70kmph	50kmph	30kmph	
Average Daily Traffic (ADT) over the peak season	50 – 150 ADT			
<b>Sealed</b>				
Number of lanes - sealed	1			
Min. traffic lane width - sealed	3.5m			
Min. shoulder width - sealed	2.0m	1.5m	1.0m	
Min. carriageway width (lanes + shoulder) – sealed	7.5m	6.5m	5.5m	
Camber – sealed	3%			
Max. vertical gradient	6%	8%	12%	
<b>Unsealed</b>				
Number of lanes – unsealed	2			
Min. traffic lane width - unsealed	3.0m			
Min. shoulder width - unsealed	0.5m			
Min. carriageway width (lanes + shoulder) - unsealed	7.0m			
Camber – unsealed	5%			
Max. vertical gradient	6%	8%	12%	

Class C1 Road – unsealed & gravelled		Flat	Rolling	Mountain
Function	<ul style="list-style-type: none"> <li>Provides a link to low and moderate use visitor sites, parks and forest areas</li> <li>Purpose is to link areas, which are traffic generators to secondary or primary roads</li> <li>Caters for lower travel speed and full range of vehicles</li> <li>May be seasonally closed</li> </ul>			
Surface	Generally all-weather single lane two-way unsealed formed road (natural materials) that is lightly gravelled			
Speed	60kmph	40kmph	20kmph	
Average Daily Traffic (ADT) over the peak season	10 – 50 ADT			
Number of lanes – unsealed	1			
Camber – unsealed	5%			
Min. traffic lane width - unsealed	3.0m			
Min. shoulder width - unsealed	1.5m	1.0m	0.5m	
Min. carriageway width (lanes + shoulder) - unsealed	6.0m	5.0m	4.0m	
Max. vertical gradient	6%	8%	12%	
Class C2 Road – unsealed & <u>not</u> gravelled		Flat	Rolling	Mountain
Function	Same as C1 above			
Surface	Generally all-weather single lane two-way unsealed formed road (natural materials) that is <u>not</u> gravelled			
Class D – Tracks – unformed		Flat	Rolling	Mountain
Function	<ul style="list-style-type: none"> <li>Provides access primarily for four wheel-drive vehicles</li> <li>Caters for very low travel speed</li> <li>May be seasonally closed</li> </ul>			
Surface	Predominantly a single lane two-way earth tracks (unformed) at or near the natural surface level			
Speed	n/a			
Average Daily Traffic (ADT) over the peak season	<10 ADT			
Number of lanes – unsealed	1			
Camber – unsealed	4%			
Min. traffic lane width - unsealed	3.0m			
Min. shoulder width - unsealed	0.0m			
Min. carriageway width (lanes + shoulder) - unsealed	3.0m			
Max. vertical gradient	n/a			
avoid steep grades to reduce soil erosion				

### Simplified classification key

