



## Restricted Access Vehicle (RAV) Preliminary Assessment Checklist

Date: Road Name: 

### Preliminary Assessment Checklist (Required only for roads that are not already approved on the Tandem Drive Network)

As the road owner you are required to conduct a preliminary assessment of the requested road/s to ensure there are no obvious issues that would deem RAV access unsuitable. The preliminary check should be carried out using the criteria outlined in the [Framework for Applying to have a Local Government Road Added to a Restricted Access Vehicle Network](#). Please tick each of the boxes below to confirm that the road has been assessed and meets each of the criteria for the level of access requested.

### Glossary of Technical Terms

- AADT:** Annual Average Daily Traffic is determined by the total yearly two-way traffic volume divided by 365, expressed as vehicles per day.
- VPD:** The number of vehicles observed passing a point on a road in both directions for 24 hours. (It is a measure of daily volume, often more relevant to low volume, Local Government roads, typically rural roads in these guidelines. 'vpd' can differ from AADT in being a better measure of traffic volume during periods of more intensive RAV usage or seasonal tourist traffic.)
- Carriageway Width:** That portion of road or structure devoted particularly to the use of vehicles that is between guide posts, kerbs or barriers where these are provided, inclusive of shoulders and auxiliary lanes.
- Rural Road:** All roads that provide a secondary network of National, State and Local Government roads connecting cities and towns.
- Urban and Townsite Road:** All roads within a populated area of established dwellings, a central place of trade and recognised as a distinct place. Generally the area will act as a central hub of activity for the community.
- Seal Width:** Width between edges of sealed surface or between edge lines (where installed on undivided carriageways), whichever is less.

### Road Widths

Depending on the road you are required to assess the road is either a 'Rural Road' or 'Urban and Townsite Road'.

The road is a:  Rural Road complete Table 1  Townsite Road complete Table 2

**Table 1 - Rural Road Width:** (Refer to page 6-9 of the guidelines for Assessing the Suitability of road widths for Restricted Access Vehicles).

What is the AADT? (Daily Traffic Volumes)					
Criteria	Road Section 1	Road Section 2	Road Section 3	Road Section 4	Road Section 5
<b>Road Surface</b>	<input checked="" type="radio"/> Sealed <input type="radio"/> Unsealed	<input checked="" type="radio"/> Sealed <input type="radio"/> Unsealed	<input checked="" type="radio"/> Sealed <input type="radio"/> Unsealed	<input checked="" type="radio"/> Sealed <input type="radio"/> Unsealed	<input checked="" type="radio"/> Sealed <input type="radio"/> Unsealed
<b>Carriageway Width (m)</b>	11.0	10.5	8.9	10.0	
<b>Sealed Width (m)</b>	9.0	8.5	7.9	8.0	
<b>Length (m)</b>	865	1565	1365	1595	
<b>Posted Speed Limit (km/h)</b>	100	100	100	100	
<b>SLK</b>	12.67-13.535	11.105-12.67	9.4-11.105	8.145-9.4	
<b>Sight Distance always over 250m</b>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No

**Table 2 - Townsite Road Width:**

Please tick most appropriate					
<input type="checkbox"/>		Undivided Carriageway 1 way	<input type="checkbox"/>		Undivided Carriageway 2 way
<input type="checkbox"/>		Undivided Carriageway 2 lanes each way	<input type="checkbox"/>		Divided Carriageway Single Lane
<input type="checkbox"/>		Divided Carriageway 2 lanes each way	<input type="checkbox"/>		Divided Carriageway 3 lanes each way
Please answer the following					
What is the posted speed limit on the road (km/h) ?					
What is the carriageway width (m) ? (width measurement should be taken from the edge of the seal to the road centre or edge of the median/traffic island)					
What is the shoulder width (m) ? (if applicable)					
Question				Comments	
Is there designated cycle lanes ?			<input type="radio"/> Yes <input type="radio"/> No		
Is there Parallel Parking ?			<input type="radio"/> Yes <input type="radio"/> No		
If Yes are there designated parking bays ?			<input type="radio"/> Yes <input type="radio"/> No		
Is there regular Angle Parking ?			<input type="radio"/> Yes <input type="radio"/> No		
If Yes are there designated parking bays ?			<input type="radio"/> Yes <input type="radio"/> No		

**Grades**

Have any gradients been identified ?  Yes If Yes complete Table 3  No

(Refer to page 11-13 of the guidelines for Assessing the Suitability of steep ascending grades for Restricted Access Vehicles).

**Table 3 - Grades** (ONLY list grades 3% or above for unsealed roads, 5% or above for sealed roads)

Criteria	Grade 1	Grade 2	Grade 3	Grade 4
Road Surface	<input type="radio"/> Sealed	<input type="radio"/> Sealed	<input type="radio"/> Sealed	<input type="radio"/> Sealed
	<input type="radio"/> Unsealed	<input type="radio"/> Unsealed	<input type="radio"/> Unsealed	<input type="radio"/> Unsealed
Grade (%)				
Length (m)				
SLK				

**Sight Distance**

(Refer to page 14-15 and 28, Section 2.9.3, 2.9.4 and Appendix F of the guidelines for Assessing the Suitability of sight distances at intersections for Restricted Access Vehicles).

Is the sight distance acceptable for the Restricted Access Vehicle category being assessed?  Yes  No

Is there anything restricting sight distance? (e.g. trees, shrubs, parking bays/rest areas)  Yes  No

If Yes: Can anything be done to increase sight distance? If Yes, please specify in the comment section below  Yes  No

**Table 5 - Intersection Sight Distance**

Name of Intersecting Road (not the road being assessed)	AADT of intersecting Road	Sight Distance 1 (m)	Specify direction taken (e.g. north east = NE)	Sight Distance 2 (m)	Specify direction taken (e.g. north east = NE)	Are photo's attached?
River Road	267	<100	E	>200	W	<input checked="" type="radio"/> Yes <input type="radio"/> No
Yangedi Road	187	<150	E	>200	W	<input checked="" type="radio"/> Yes <input type="radio"/> No
Manning Road	12	<100	E	>150	W	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hopeland Road	1263	<200	E	>200	W	<input checked="" type="radio"/> Yes <input type="radio"/> No

**Railway Crossing**

Have any railway crossings been identified?  Yes If Yes complete Table 4  No

**Table 4 - Railway Crossings** (Refer to page 16-18 of the guidelines for Assessing the Suitability of railway level crossings for Restricted Access Vehicles).

Please tick most appropriate			
What is the main use for the railway?	<input type="checkbox"/> Freight	<input type="checkbox"/> Passenger	<input type="checkbox"/> Other
What is the railway crossing protected by?	<input type="checkbox"/> Give Way Sign	<input type="checkbox"/> Stop Sign	<input type="checkbox"/> Flashing Lights
	<input type="checkbox"/> Flashing Lights with Boom	<input type="checkbox"/> Advance warning flashing amber lights	<input type="checkbox"/> No Protection
Please answer the following			
What is the angle between the railway line and the road (degrees)? (Only applicable for crossings not protected by boom gates)			
Sight Distances (Only applicable for crossings not protected by boom gates)			
Direction of Travel (e.g. South-West)	Sight Distance LHS (m)	Sight Distance RHS (m)	
Stacking Distances			
If the railway crossing is near to an intersection/T-junction, please specify stacking distance measurements			
		Approach Stacking Distance (m)	
		and/or	
		Departure Stacking Distance (m)	

**Comments:**

\* Doesn't meet the minimum carriageway width of 9.9m.  
 \* Intersection with Yangedi Road have restricted sight distance due to the presence of crest on west side.  
 \* Intersection of Hopeland & Karunup Road is not adequate to support more than 19m vehicles

**NOTE - If condition CA07 (All operators must carry written approval from the Local Government authority permitting use of the road) is required. The road owner is responsible for the administration of condition CA07. If Condition CA07 applies, then this approval must be carried in the vehicle and produced upon request.**

**To prevent any assessment delays, please attach any current traffic counts along with relevant roman data for newly constructed roads.**

	On behalf of	
endorse the above decisions, subject to Main Roads final approval.		
Signature _____	Date	

eMail completed form to: [hvsrouteassessments@mainroads.wa.gov.au](mailto:hvsrouteassessments@mainroads.wa.gov.au)  
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[www.mainroads.wa.gov.au](http://www.mainroads.wa.gov.au)

OFFICE USE ONLY	Application TRIM Reference	
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