



Table 5.5: Stopping sight distances for cars on sealed roads

Design speed (km/h)	Absolute minimum values Only for specific road types and situations ⁽¹⁾ based on $d = 0.46^{(2),(3)}$			Desirable minimum values for all road types based on $d = 0.36$			Values for major highways and freeways in flat terrain ⁽⁷⁾ based on $d = 0.26$	
	$R_T = 1.5 \text{ s}^{(4)}$	$R_T = 2.0 \text{ s}^{(4)}$	$R_T = 2.5 \text{ s}$	$R_T = 1.5 \text{ s}^{(4)}$	$R_T = 2.0 \text{ s}^{(4)}$	$R_T = 2.5 \text{ s}$	$R_T = 2.0 \text{ s}$	$R_T = 2.5 \text{ s}$
40	30	36	–	34	40	45	–	–
50	42	49	–	48	55	62	–	–
60	56	64	–	64	73	81	–	–
70	71	81	–	83	92	102	113	123
80	88	99	–	103	114	126	141	152
90	107	119	132	126	139	151	173	185
100	–	141	155	–	165	179	207	221
110	–	165	180	–	193	209	244	260
120	–	190	207	–	224	241	285	301
130	–	217	235	–	257	275	328	346

Revision notes:

Rev:	Date:	Notes:
1	25/02/2023	Reaction time = 2.5sec Vehicle speed = 50km/h Stopping Sight Distance (SSD) = 62m Assumed design speed of 50km/h is conservative. Northbound traffic terminates at a T-intersection and therefore vehicles will be decelerating on approach to the crossover location.

Drawn by: Paul Ghantous
Client: St Clarence Investments Pty Ltd

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urbii
Sustainable Transport. Safe Solutions

PO Box 4315, Baldivis WA 6171
customer@urbii.com.au
0433858164