

Curve Details: Spencer Junction to Whyalla

Jul-16



Note

- [1] Rated speed at ARTC Normal Limits (80mm cant deficiency and 55mm/sec rate of change of cant and cant deficiency with cog 2500mm above rail level, and twist fault of 5mm in 14m transition)
- [2] Cant deficiencies in mm shown where they are 75mm or more for existing curve speeds

Note in comments

TRC Curve data from track recordings

Curve		Hand	Radius m	Cant mm	Transition		Exist posted Speed	Cant def (2)	Rated Speed (1)	Location	Comment
Start	End				Start	End					
95.255										Spencer Jct, t/o from TAR	
95.320										Spencer Jct, t/o from Pt Augusta Yard	
96.096	96.808	L	805	50	60	60	80		94		
96.966	98.053	L	1006	50	60	60	90		105		
108.366	108.766	L	3219	0	50	50	115		130+		Asset mgmt review to increase posted speed from 100 to 115
111.038	111.810	L	1207	50	60	60	100		115		
112.180	112.761	R	1207	50	60	60	100		115		
114.015	114.568	L	1207	50	60	60	100		115		
115.785	116.709	R	1207	50	60	60	100		115		
126.246	126.889	L	1207	50	60	60	100		115		
132.986	133.303	L	1207	50	60	60	100		115		
135.798	136.810	L	1207	50	60	60	100		115		
137.567	138.038	R	1207	50	60	60	100		115		
142.231										Roopena up t/o	
143.482	143.823	R	3219	0	0	0	115		130+		Asset mgmt review to increase posted speed from 100 to 115
144.231										Roopena dn t/o	Loop extension project Aug 2014
165.705	166.355	R	1207	50	60	60	100		115		
163.500										End ARTC Track	Revised yard limit due to One Steel project Oct 2012