

## Curve Details: Tarcoola to Kalgoorlie

Jul-15



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	Comments
Start	End				Up	Dn					
506.250	506.760	L	800	50	60	60	80	94			
507.920	508.550	R	800	50	60	60	80	94			
510.890										T/o to Triangle at Tarcoola	
516.310	516.790	R	1200	50	60	60	100	115			
519.930	520.450	L	800	50	60	60	80	94			
524.180	524.700	R	1200	50	60	60	100	115			
540.559										Malbooma up t/o	
540.730	541.110	R	4000	0	60	60	100	130+			
542.712										Malbooma dn t/o	
548.300	548.840	L	800	50	60	60	80	94			
550.750	551.170	R	800	50	60	60	80	94			
554.530	554.890	L	4000	0	60	60	80	130+			
556.260	557.090	R	800	50	60	60	80	94			
557.650	558.480	L	800	50	60	60	80	94			
562.460	562.960	R	2800	0	60	60	100	130+			
564.012										Lyons up t/o	
565.988										Lyons dn t/o	
570.040	570.470	R	800	50	60	60	80	94			
571.170	571.590	L	1200	50	60	60	100	115			
574.590	575.070	L	2800	0	60	60	100	130+			
578.910	579.360	R	2000	10	60	60	100	124			
580.120	580.600	L	1000	50	60	60	100	105			
583.340	583.800	R	4000	0	60	60	100	130+			
584.890	585.310	R	1200	50	60	60	100	115			
588.210	588.690	L	2000	10	60	60	100	124			
590.460	590.920	R	800	50	60	60	80	94			
591.530	592.230	L	800	50	60	60	80	94			

Curve		Hand	Radius m	Cant mm	Transition		Exist posted Speed	Cant def (2)	Rated Speed (1)	Location	Comments
Start	End				Up	Dn					
595.630	596.030	R	800	50	60	60	80	94			
604.470									Wynbring up t/o		
604.640	605.110	L	2400	0	60	60	100	125			
607.170									Wynbring dn t/o		
610.900	611.180	L	2400	0	60	60	100	125			
612.550	612.850	L	1000	50	60	60	90	105			
613.520	613.840	R	1000	50	60	60	90	105			
614.640	614.920	L	2000	10	60	60	100	124			
616.110	616.510	R	780	50	60	60	80	93			
617.420	617.780	L	800	20	60	60	70	80			
617.780	618.180	R	800	20	60	60	70	80			
618.540	619.230	L	600	50	60	60	70	80			
619.290	619.630	R	600	50	60	60	70	80			
622.490	622.850	R	1000	50	60	60	90	105			
625.380	625.690	L	1200	50	60	60	100	115			
628.900	629.410	R	1000	50	60	60	90	105			
631.060	631.600	L	600	50	60	60	70	80			
632.300	632.950	R	600	50	60	60	70	80			
633.530	634.300	L	1000	30	60	60	80	95			
636.070	636.330	R	1000	30	60	60	80	95			
636.370	636.930	L	800	50	60	60	80	94			
636.944									Mt Christie up t/o		
637.010	637.450	R	800	50	60	60	80	94			
638.927									Mt Christie dn t/o		
639.790	640.170	L	800	50	60	60	80	94			
640.250	640.670	R	800	50	60	60	80	94			
640.690	641.340	L	800	50	60	60	80	94			
641.400	641.860	R	600	80	60	60	80	80			
643.070	643.370	R	1600	30	60	60	100	122			
644.170	644.560	L	1200	50	60	60	100	115			
645.180	645.580	R	1200	50	60	60	100	115			
645.820	646.160	L	1000	50	60	60	90	105			
646.470	646.810	R	1200	50	60	60	100	115			
647.050	647.350	L	1200	50	60	60	100	115			
648.000	648.340	R	1600	30	60	60	100	122			
649.280	649.620	L	2000	10	60	60	100	124			
649.620	649.990	R	1000	50	60	60	90	105			
650.110	650.550	L	800	50	60	60	90	94			

Curve		Hand	Radius m	Cant mm	Transition		Exist posted Speed	Cant def (2)	Rated Speed (1)	Location	Comments
Start	End				Up	Dn					
650.690	651.050	R	4000	0	60	60	90		130+		
653.830	654.130	L	800	50	60	60	80		94		
655.380	656.180	R	1000	50	60	60	90		105		
657.090	657.370	L	1200	50	60	60	90		115		
657.690	658.170	L	600	30	60	60	70		75		
658.220	658.740	R	626	30	60	60	70		76		
658.980	659.260	R	800	10	60	60	70		80		
659.340	659.720	L	800	10	60	60	70		80		
661.430	661.810	R	800	50	60	60	80		94		
662.250	662.660	L	600	80	60	60	80		90		
662.680	663.240	R	880	50	60	60	80		98		
663.380	663.840	L	1600	0	60	60	80		105		
663.840	664.190	R	1200	20	60	60	80		101		
664.190	664.950	L	800	50	60	60	80		94		
664.950	665.210	R	800	50	60	60	80		94		
665.840	666.520	R	1200	20	60	60	80		101		
666.540	666.940	L	1200	20	60	60	80		101		
667.000										Mungala CP	
667.420	667.910	L	800	50	60	60	80		94		
668.270	668.750	R	600	80	60	60	80		90		
669.420	669.720	L	4000	0	60	60	100		130+		
670.340	670.600	L	1200	50	60	60	100		115		
670.780	671.050	R	1200	50	60	60	100		115		
671.550	671.850	L	1600	30	60	60	100		122		
672.660	673.060	R	800	50	60	60	80		94		
673.160	673.680	L	800	50	60	60	80		94		
674.180	674.790	R	800	50	60	60	80		94		
675.430	675.750	R	800	50	60	60	80		94		
675.750	676.030	L	1600	0	60	60	80		105		
676.654	677.090	L	805	50	60	60	80		95		
677.622	678.000	R	3219	0	60	60	100		130+		
678.815	679.103	R	1609	30	60	60	100		122		
680.969	681.248	R	1609	30	60	60	100		122		
681.989	682.576	L	805	50	60	60	80		95		
682.640	683.090	R	600	80	60	60	80		90		
683.450	683.710	R	800	50	60	60	80		94		
684.010	684.270	L	1600	0	60	60	80		105		
685.020	685.420	L	600	80	60	60	80		90		

Curve		Hand	Radius m	Cant mm	Transition		Exist posted Speed	Cant def (2)	Rated Speed (1)	Location	Comments
Start	End				Up	Dn					
685.680	686.170	L	800	50	60	60	80		94		
686.230	686.910	R	600	80	60	60	80		90		
687.070	687.430	L	1200	20	60	60	80		101		
687.590	687.940	R	800	50	60	60	80		94		
688.140	688.500	L	800	50	60	60	80		94		
688.860	689.360	R	600	80	60	60	80		90		
689.650	690.010	L	600	80	60	60	80		90		
690.350	690.690	R	800	50	60	60	80		94		
690.890	691.380	L	800	50	60	60	80		94		
692.480	692.800	L	4000	0	60	60	100		130+		
692.795										Barton up t/o	
693.430	693.670	R	2000	10	60	60	100		124		
694.781										Barton dn t/o	
695.040	695.500	L	800	50	60	60	80		94		
695.540	696.100	R	1000	30	60	60	80		97		
696.100	696.340	L	600	80	60	60	80		90		
696.340	696.890	R	800	50	60	60	80		94		
696.890	697.130	L	600	80	60	60	80		90		
697.830	698.240	L	800	50	60	60	80		94		
698.320	698.680	R	800	50	60	60	80		94		
698.840	699.080	L	800	50	60	60	80		94		
699.600	700.110	R	1000	30	60	60	80		97		
700.130	700.530	L	800	50	60	60	80		94		
701.170	701.570	R	800	50	60	60	80		94		
702.120	702.320	R	1200	50	60	60	100		115		
702.900	703.340	L	1200	50	60	60	100		115		
704.850	705.340	L	800	50	60	60	80		94		
705.360	706.060	R	800	50	60	60	80		94		
706.120	707.050	L	1000	30	60	60	80		97		
707.190	708.110	R	1200	20	60	60	80		101		
708.490	708.900	L	1200	20	60	60	80		101		
709.960	710.220	L	800	50	60	60	80		94		
710.490	711.030	R	800	50	60	60	80		94		
712.060	712.480	L	800	50	60	60	80		94		
713.830	714.110	R	1600	30	60	60	80		122		
715.980	716.320	L	800	50	60	60	80		94		
716.560	716.860	R	800	50	60	60	80		94		
717.510	717.810	L	800	50	60	60	80		94		

Curve		Hand	Radius m	Cant mm	Transition		Exist posted Speed	Cant def (2)	Rated Speed (1)	Location	Comments
Start	End				Up	Dn					
717.910	718.230	R	800	50	60	60	80		94		
718.250	718.870	L	1000	30	60	60	80		97		
719.400	719.900	R	800	50	60	60	80		94		
720.770	721.070	L	1000	50	60	60	90		105		
722.860	723.160	R	1000	50	60	60	90		105		
724.040	724.350	L	800	50	60	60	80		94		
724.340										Bates up t/o	
726.245										Bates dn t/o	
726.260	726.580	R	800	50	60	60	80		94		
727.140	727.870	L	800	50	60	60	80		94		
728.050	728.630	R	800	50	60	60	80		94		
728.710	728.950	R	800	50	60	60	80		94		
728.970	729.320	L	800	50	60	60	80		94		
729.400	729.700	L	800	50	60	60	80		94		
729.760	730.040	R	800	50	60	60	80		94		
730.680	730.990	R	800	50	60	60	80		94		
731.010	731.310	L	800	50	60	60	80		94		
731.890	732.170	R	800	50	60	60	80		94		
732.190	732.450	L	800	50	60	60	80		94		
732.820	733.480	L	800	50	60	60	80		94		
733.480	734.300	R	800	50	60	60	80		94		
734.300	734.570	L	800	50	60	60	80		94		
734.830	735.170	R	800	50	60	60	80		94		
735.190	735.610	L	800	50	60	60	80		94		
735.610	735.870	R	800	50	60	60	80		94		
736.240	736.500	R	800	50	60	60	80		94		
736.880	737.140	R	800	50	60	60	80		94		
737.220	737.540	L	800	50	60	60	80		94		
737.950	738.170	R	800	50	60	60	80		94		
738.350	738.630	L	800	50	60	60	80		94		
738.650	739.130	R	800	50	60	60	80		94		
739.150	739.720	L	800	50	60	60	80		94		
740.020	740.220	R	800	50	60	60	80		94		
740.380	740.880	L	800	50	60	60	80		94		
740.960	741.290	R	800	50	60	60	80		94		
741.710	742.310	R	800	50	60	60	80		94		
742.810	743.100	L	800	50	60	60	80		94		
744.100	744.440	R	800	50	60	60	80		94		

Curve		Hand	Radius m	Cant mm	Transition		Exist posted Speed	Cant def (2)	Rated Speed (1)	Location	Comments
Start	End				Up	Dn					
744.500	744.500									Immarna CP	
745.270	745.590	R	800	50	60	60	80		94		
745.630	745.890	L	800	50	60	60	80		94		
746.460	746.920	L	800	50	60	60	80		94		
746.960	747.460	R	800	50	60	60	80		94		
747.580	748.490	L	800	50	60	60	80		94		
748.630	749.690	R	800	50	60	60	80		94		
749.710	750.080	L	800	50	60	60	80		94		
750.860	751.560	L	800	50	60	60	80		94		
751.730	752.130	L	800	50	60	60	80		94		
752.530	753.270	R	800	50	60	60	80		94		
754.000	754.260	R	2000	10	60	60	80		124		
757.600	758.340	L	800	50	60	60	80		94		
758.380	759.110	R	700	60	60	60	80		91		
759.230	759.690	L	800	50	60	60	80		94		
759.830	760.300	R	700	60	60	60	80		91		
760.700	761.340	L	700	60	60	60	80		91		
761.560	761.800	L	700	60	60	60	80		91		
761.860	762.230	R	700	60	60	60	80		91		
762.230	762.690	L	700	60	60	60	80		91		
762.710	763.190	R	700	60	60	60	80		91		
763.230	763.550	R	800	50	60	60	80		94		
763.780	764.200	R	800	50	60	60	80		94		
764.260	764.920	L	700	60	60	60	80		91		
764.920	765.630	R	700	60	60	60	80		91		
765.650	766.010	L	700	60	60	60	80		91		
766.350	766.550	L	800	50	60	60	80		94		
766.550	766.990	R	800	50	60	60	80		94		
767.240	767.480	L	4000	0	60	60	80		130+		
767.920	768.140	L	800	50	60	60	80		94		
768.240	768.460	R	2000	0	60	60	80		117		
768.460	768.760	R	4000	0	60	60	80		130+		
768.820	769.070	L	800	50	60	60	80		94		
769.150	769.490	R	800	50	60	60	80		94		
769.530	770.050	L	800	50	60	60	80		94		
770.130	770.390	R	800	50	60	60	80		94		
770.450	770.920	L	800	50	60	60	80		94		
771.000	771.620	R	800	50	60	60	80		94		

Curve		Hand	Radius m	Cant mm	Transition		Exist posted Speed	Cant def (2)	Rated Speed (1)	Location	Comments
Start	End				Up	Dn					
771.680	771.900	L	800	50	60	60	80	94			
772.610	772.990	R	800	50	60	60	80	94			
773.670	773.950	L	800	50	60	60	80	94			
775.220										Ooldea up t/o	
775.280	775.600	R	1600	30	60	60	80	122			
775.680	776.270	L	800	50	60	60	80	94			
777.315										Ooldea dn t/o	
780.490	780.830	R	1200	50	60	60	100	115			
796.830	797.110	L	1600	30	60	60	100	122			
807.035										Watson up t/o	
809.735										Watson dn t/o	
839.000										O'Malley CP	
859.559										Fisher up t/o	
861.569										Fisher dn t/o	
890.000										Thomiar CP	
912.451										Cook dn t/o	
916.515										Cook up t/o	
955.760										Denman up t/o	
957.750										Denman dn t/o	
1001.043										Hughes up t/o	
1003.765										Hughes dn t/o	
1052.965										Deakin up t/o	
1054.985										Deakin dn t/o	
1105.635										Reid up t/o	
1107.670										Reid dn t/o	
1136.480										Forrest up t/o	
1139.120										Forrest dn t/o	
1190.822										Mundrabilla up t/o	
1192.800										Mundrabilla dn t/o	
1238.700										Loongana dn t/o	
1241.300										Loongana up t/o	
1275.250	1275.510	R	2000	10	60	60	115	124			
1283.130	1283.330	L	2000	10	60	60	115	124			
1284.240	1284.620	L	800	50	60	60	80	94			
1285.100	1285.570	R	1200	50	60	60	100	115			
1286.300										Nurina up t/o	
1287.980	1288.280	R	1600	30	60	60	115	122			
1288.369										Nurina dn t/o	

Curve		Hand	Radius m	Cant mm	Transition		Exist posted Speed	Cant def (2)	Rated Speed (1)	Location	Comments
Start	End				Up	Dn					
1330.500										Haig CP	
1350.880	1351.090	R	4000	0	60	60	115		130+		
1367.700										Wilban up t/o	
1370.290										Wilban dn t/o	
1401.775										Rawlinna up t/o	
1403.785										Rawlinna dn t/o	
1429.860	1430.020	L	2000	10	60	60	115		124		
1436.240	1436.500	R	2000	10	60	60	115		124		
1449.110	1449.380	L	2000	10	60	60	115		124		
1449.550										Naretha up t/o	
1451.535										Naretha dn t/o	
1466.720	1467.000	L	2000	10	60	60	115		124		
1468.850	1469.070	R	2000	10	60	60	115		124		
1483.000										Boonderoo up t/o	
1485.160										Boonderoo dn t/o	
1500.670	1500.770	L	2000	10	60	60	115		124		
1511.660										Kitchener up t/o	
1513.640										Kitchener dn t/o	
1518.200	1518.420	R	1600	30	60	60	115		122		
1521.540	1521.780	L	2000	10	60	60	115		124		
1533.810	1534.370	L	1600	30	60	60	115		122		
1535.580	1536.440	R	1600	30	60	60	115		122		
1537.570	1537.830	L	1600	30	60	60	115		122		
1548.590	1548.850	R	2000	10	60	60	115		124		
1550.600	1550.870	L	2000	10	60	60	115		124		
1550.000										Goddards CP	
1571.365										Zanthus up t/o	
1573.320										Zanthus dn t/o	
1609.750										Coonana dn t/o	
1611.760										Coonana up t/o	
1615.220	1615.560	L	1600	30	60	60	115		122		
1617.490	1617.980	R	1600	30	60	60	115		122		
1618.120	1618.640	R	800	50	60	60	80		94		
1618.680	1619.160	L	800	50	60	60	80		94		
1619.420	1619.750	R	800	50	60	60	80		94		
1619.930	1620.410	L	800	50	60	60	80		94		
1621.250	1621.600	L	1600	30	60	60	115		122		
1622.080	1622.600	R	1200	50	60	60	110		115		



Curve		Hand	Radius m	Cant mm	Transition		Exist posted Speed	Cant def (2)	Rated Speed (1)	Location	Comments
Start	End				Up	Dn					
1642.000										Chifley CP	
1660.500	1660.740	L	1600	30	60	60	115		122		
1662.860	1663.240	R	1600	30	60	60	115		122		
1663.340	1663.920	L	1600	30	60	60	115		122		
1665.310	1665.810	R	1600	30	60	60	115		122		
1669.064										Karonie up t/o	
1669.330	1669.550	R	1600	30	60	60	115		122		
1671.044										Karonie dn t/o	
1674.870	1675.350	L	1600	30	60	60	115		122		
1677.920	1678.470	L	1600	30	60	60	115		122		
1681.640	1681.950	R	1600	30	60	60	115		122		
1686.940	1687.500	R	1600	30	60	60	115		122		
1691.000										Blamey up t/o	
1693.040										Blamey dn t/o	
1693.170	1693.650	R	1600	30	60	60	115		122		
1698.640	1699.070	L	1600	30	60	60	115		122		
1710.610	1711.080	L	1600	30	60	60	115		122		
1713.670	1714.050	R	1600	30	60	60	115		122		
1716.210	1716.390	L	1600	30	60	60	115		122		
1721.359										Curtin up t/o	
1723.340										Curtin dn t/o	
1732.340	1732.600	R	1600	30	60	60	115		122		
1734.010	1734.170	R	1200	50	60	60	110		115		
1737.250	1737.490	L	1000	50	60	60	110	93	105		
1740.230	1740.530	R	1000	50	60	60	110	93	105		
1742.940	1743.120	R	800	80	60	60	100		104		
1746.860	1747.170	L	1000	50	60	60	110	93	105		
1754.290	1754.670	R	800	50	60	60	100	97	94		
1755.030	1755.370	L	1200	50	60	60	110		115		
1756.760	1757.260	R	800	50	60	60	100	97	94		
1757.283										Golden Ridge up t/o	
1759.285										Golden Ridge dn t/o	
1758.750	1758.990	L	800	50	60	60	100	97	94		
1762.720	1762.960	L	1600	30	60	60	115		122		
1764.060	1764.300	R	800	50	60	60	100	97	94		
1775.300										Parkeston up t/o	
1776.540	1776.800	R	1600	30	60	60	50		122		
1777.320										Parkeston dn t/o	

Curve		Hand	Radius m	Cant mm	Transition		Exist posted Speed	Cant def (2)	Rated Speed (1)	Location	Comments
Start	End				Up	Dn					
1777.320	1778.060	L	600	50	60	60	70		81		
1778.870	1779.290	L	600	50	60	60	70		81		
1779.610	1780.120	R	800	50	60	60	80		94		
1780.240	1780.640	L	400	60	60	60	60		69		
1780.840	1781.000	R	400	60	60	60	60		69		
1781.500										End of ARTC track	