

Curve Details: Spencer St to Tottenham

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
- [3] Curve data taken from PTC curve register dated May 1993 and March 2000 EM80 run

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					
1.625										Start ARTC lease	
1.580	1.670	R	200	30	30	20	40		43		TRC
1.780											Gauge separation
1.900	2.180	L	700	60	60	60	45		91		TRC, mixed gauge
2.200										Mixed gauge t/o to GNR	
2.290										Mixed gauge t/o to coke Rd	
2.320										T/o to fuelling depot	
2.340										T/o to engine rd	
2.450	2.600	L	500	45	40	40	55		73		Some data from TRC
2.850	2.970	L	500	45	20	60	55		67		TRC
3.130	3.300	R	300	50	50	50	55		57		TRC
3.680	3.850	L	300	60	25	50	55		60		TRC
3.880	3.950	R	450	60	25	25	55		70		TRC
3.990										T/o to Market sidings	
4.040										T/o to NRC	
4.100										T/o to Appleton dock	
4.100	4.230	R	1300	20	40	40	40		104		TRC
4.180										T/o to NRC loco	
4.310	4.380	R	250	20	30	15					TRC
4.440							40		46	T/o to NRC loco	
4.420											MGD
4.510										Sims St Jcn	T/o, start of double track

Curve		Hand	Radius m	Cant mm	Transition		Exist posted Speed	Cant def(2)	Rated Speed (1)	Location	Comments
Start	End				Up	Dn					
4.560										Sims St Jcn	MGD
4.605										Sims St Jcn	Gauge separation
5.200	5.510	L	380	45	70	50	65	86	63		TRC, mixed gauge down track
5.510	5.600	R	590	20	35	35	65		70		TRC, mixed gauge down track
5.740	6.060	R	780	40	80	40	65		89		TRC, mixed gauge down track
6.080	6.190	R	1000	40	50	30	65		93		TRC, mixed gauge down track
6.190	6.340	L	830	40	50	50	65		92		TRC, mixed gauge down track
6.340	6.440	R	1000	30	30	30	65		90		TRC, mixed gauge down track
6.630	6.740	R	500	20	40	25	65		65		TRC, mixed gauge down track
6.740	6.840	L	420	30	30	30	65		65		TRC, mixed gauge down track
6.840										West Footscray Jcn	Gauge separation
6.900										West Footscray Jcn	MGD
6.910	7.070	R	1000	40	50	40	65		100		
7.271										T/o end of double track	
7.585	7.865	R	600	75	80	110	80		89		
7.910	8.230	L	600	60	110	90	80		84		
8.230										T/o to Alauda sidings	
4.604										Sims St Jcn	Gauge separation
5.210	5.500	L	380	45	70	50	65		63		TRC, mixed gauge up track
5.500	5.600	R	590	20	35	35	65		70		TRC, mixed gauge up track
5.740	6.050	R	780	40	80	40	65		89		TRC, mixed gauge up track
6.100	6.170	R	1000	40	40	30	65		93		TRC, mixed gauge up track
6.170	6.320	L	830	40	50	50	65		92		TRC, mixed gauge up track
6.320	6.420	R	1000	30	30	30	65		90		TRC, mixed gauge up track
6.630	6.720	R	500	20	40	25	65		65		TRC, mixed gauge up track
6.720	6.820	L	420	30	30	30	65		65		TRC, mixed gauge up track
6.830										West Footscray Jcn	Gauge separation
6.910	7.070	R	1000	40	50	40	65		100		
7.271										T/o end of double track	