

Curve Details: Dry Creek to Outer Harbor

Jul-15

Notes

[1] Rated speed at ARTC Normal Limits (80mm cant deficiency and 55mm/sec rate of change of cant and cant deficiency with cog 2400mm 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 acquired from track recordings, figures below are only indicative. A field survey will be required to verify data



Curve		Hand	Radius	Cant	Transition (m)		Exist posted	Cant	Rated	Location	Comments
Start	End		m	mm	Up	Down	Speed	def(2)	Speed (1)		
0	0.43	L	180	25	10	20	30		35		Starts at turnout at southern apex of Dry Creek Triangle.
0.430										T/o	Western Apex turnout Dry Creek Triangle.
0.430	0.500	L	275	15	10	10	30		39		
1.973										Bishop up t/o	
3.656										Bishop dn t/o	
3.660	4.105	L	1400	45	50	50	60		121		TRC
4.315	4.405	L	1500	20	20	20	60		113		TRC
4.525	4.625	R	1500	20	20	20	60		113		TRC
4.745	4.808	R	600	20	20	20	60		63		
4.806										Gillman Junction t/o	
4.863	4.924	L	600	20	20	20	60		63		
4.988	5.330	R	225	115	50	50	60		61		
5.417	5.680	L	400	40	50	50	60		64		
6.382										T/o	Eastern Apex of Port Flat Triangle.
6.410	6.630	L	320	70	35	35	60		64		
6.790											Centre of Common rail changeover.
6.820	7.020	L	840	30	20	20	60		77		
7.045										T/o	Western Apex turnout Port Flat Triangle.
7.050	7.420	R	385	50	30	30	60		65		
7.438										Centre of lifting span	
7.470	7.870	R	385	50	30	30	60		65		
7.900	8.000	L	2000	0	0	0	60		76		
8.072										Shunt neck t/o	
8.108										Western track up t/o	
8.211	8.338	R	250	110	40	40	60		64		
8.548	8.628	L	404.5	65	30	30	60		70		
8.950	9.059	RCOMP	250	125	40	34	60		66		
9.059	9.130	RCOMP	750	40	0	20	60		77		
9.274	9.399	L	304	65	35	35	60		61		
9.663	9.756	L	500	60	30	30	60		76		
9.773										Western track crossover t/o	Turnout crossover to West line (West line t/o 9.836km)
10.372	10.515	L	2000	0	0	0	60		76		
10.781	10.928	L	250	125	50	50	60		66		
11.194										Penrice siding t/o	
11.491	11.633	R	250	125	50	50	60		66		
12.388	12.499	L	250	100	40	40	60		62		
12.662	12.790	R	250	100	50	50	60		62		

Curve		Hand	Radius m	Cant mm	Transition (m)		Exist posted Speed	Cant def(2)	Rated Speed (1)	Location	Comments
Start	End				Up	Down					
12.954										Western track dn t/o	
13.114										ABB grain loop t/o	Turnout to ABB grain loop
13.216										Pelican Point up t/o	Turnout - south end Pelican point loop
14.585	14.835	L	200	40	15	15	35		43		
14.871										Pelican Point dn t/o	Turnout - north end Pelican point loop
14.896										Dubai Ports siding t/o	

Northern leg of Dry Creek Triangle

Curve		Hand	Radius m	Cant mm	Transition		Exist posted Speed	Cant def(2)	Rated Speed (1)	Location	Comments
Start	End				Up	Down					
0.430	0.850	L	188	0	0	0	30		35	Dry Creek Triangle	Northern Leg

Western leg of Port Flat Triangle

Curve		Hand	Radius m	Cant mm	Transition		Exist posted Speed	Cant def(2)	Rated Speed (1)	Location	Comments
Start	End				Up	Down					
0.033	0.126	L	210	0	0	0	25		36		
0.415	0.469	L	250	0	0	0	25		38		
0.555											Turnout - northern apex Port Flat Triangle