

DEER PARK JUNCTION TO ARARAT

BROAD GAUGE

1. CLASS OF LOCOMOTIVE AND PERMITTED SPEEDS (KM/H)

		CLASS OF LOCOMOTIVE				
		G, XR, BL	A, B, GM, N, S, X	H, P, T	Y	Sprinter/Vlocity
Down Line KP 19.350 and KP 22.085 (Down side of DEER PARK WEST)	Freight	80	80	80	65	..
	Pass	90	115	100	..	130
Up Line KP 22.085 (Down side of DEER PARK WEST) and KP 19.350	Freight	65	65	65	65	..
	Pass	90	90	90	..	130
21.000km (Down side of DEER PARK WEST) and 50.610km (Fisken St PCR Up side BACCHUS MARSH)	Freight	80	80	80	65	..
	Pass	90	115	100	..	130
50.603km (Fisken St PCR Up side of BACCHUS MARSH) and BANK BOX LOOP (See Special Speed Restrictions)	Freight	80	80	80	65	..
	Pass	90	100	100	..	115
BANK BOX Loop and BALLARAT EAST (Humffray St PCR 113.109) (See Special Speed Restrictions) (via North and South Lines BUNGAREE DEVIATION)	Freight	80	80	80	65	..
	Pass	90	115	100	..	130
BALLARAT EAST (Humffray St PCR 113.109km) and BALLARAT NORTH JUNCTION (through BALLARAT)	All Trains	40	40	40		40
BALLARAT NORTH JUNCTION to KP 126.00			90	90	65	95
KP 126.000 to KP 202.000			115	100	65	130
KP 202.000 to KP 209.610 (Alfred Street PCR)			100	100	65	115
KP 209.610 (Alfred Street PCR) to ARARAT			65	65	65	65

1A. VLOCITY RAIL CARS – AUTHORISED 160KM/H PERMITTED SPEEDS

REGIONAL FAST RAIL CORRIDOR – SUNSHINE TO BALLARAT	VLOCITY
Up Line DEER PARK WEST to DEER PARK JUNCTION	As per table 1 above for Sprinter
Down Line DEER PARK JUNCTION to DEER PARK WEST	160
DEER PARK WEST to Down side of PARWAN LOOP KP 47.700	160
KP 47.700 Down side of PARWAN LOOP to KP 72.317 down side of BANK BOX LOOP	As per table 1 above for Sprinter
KP 72.317 down side of BANK BOX LOOP via BUNGAREE DEVIATION SOUTH Line to KP 111.650 approach to signal 52 at BALLARAT	160

2. SPECIAL SPEED RESTRICTIONS

- The Speed of all UP Freight trains between BALLAN and BACCHUS MARSH must NOT exceed 65km/h from 73.000km to 56.000km.
- All Train movements to or from BALLARAT EAST Locomotive Depot must NOT exceed 10km/h.
- All Down Trains entering the Freight Arrival Track from BALLARAT EAST must NOT exceed 10km/h.
- The speed of all trains when passing over Facing Points operated by Point Machines, worked from an interlocking frame or otherwise securely fastened, or over Trailing Points shall be as shown hereunder:

LOCATION	MAXIMUM SPEED	
	When running to or from lines diverging from the straight track km/h	When running on the straight track
Over facing points held by hand	15	15
Between DEER PARK WEST and BALLARAT	40	Line speed for Train Type
Except as indicated to higher speed at the signal via the illuminated speed indicator, at ROWSLEY LOOP and BALLARAT EAST (Crossover on Up side of Humffray St PCR).	65	Line speed for Train Type

- All self propelled Rolling Stock (Locomotives etc) including Track Machines and Track Maintenance vehicles which are not fitted with TPWS must be restricted to a Maximum Speed of 80 (eighty) KPH between Deer Park Junction and Ballarat.

NETWORK SERVICE PLAN

Service Delivery

DEER PARK JUNCTION TO ARARAT

BROAD GAUGE

3. RULING GRADE LOADS (TONNES)

SECTION	CLASSES OF LOCOMOTIVES													
	G, XR, BL	N	GM, S, X	Mod. A Class	Non-Mod. A solo or multi with A	Non-Mod. A multi with other class	B	H solo or multi with H, P, T or Y	H multi with other class	T or P solo or multi with H, P, T or Y	T or P multi with other class	Y solo or multi with T, Y, H or P	Y multi with other class	
DOWN														
Deer Park Junction to DEER PARK WEST (Boral)	2790	1830	1830	1830	1625	1625	1625	1420	1420	1420	1420	915	915	
MELTON	2100	1525	1525	1525	1420	1420	1420	1015	1015	1015	1015	730	730	
BACCHUS MARSH	1650	1220	1220	1220	1015	1015	1015	815	815	815	815	610	610	
BANK BOX LOOP	1200	790	790	1020	660	660	660	405	405	405	405	305	305	
BUNGAREE LOOP	..	865	865	1100	710	710	710	455	455	455	455	355	355	
BALLARAT	1390	1830	1830	1830	1625	1625	1625	915	915	915	915	610	610	
TRAWALLA	..	1525	1525	1525	1420	1420	1420	915	915	915	915	910	910	
ARARAT	1390	915	915	1020	760	760	760	510	510	510	510	355	355	
UP														
Ararat to BUANGOR	..	965	965	965	815	815	815	510	510	510	510	..	..
TRAWALLA	1400	865	865	865	760	760	760	455	455	455	455	355	355	
BALLARAT TO	2880	1830	1830	1830	1420	1420	1420	815	815	815	815	455	455	
BUNGAREE LOOP	1520	865	..	..	..	..	..	455	455	455	455	..	..
BANK BOX LOOP	..	915	865	1120	760	760	760	510	510	510	510	355	355	
BACCHUS MARSH	..	1820	1820	1820	1820	1820	1820	1820	1820	1820	1820	630	630	
PARWAN LOOP	..	865	865	1060	710	710	710	510	510	510	510	355	355	
ROCKBANK	..	1625	1625	1625	1625	1625	1625	865	865	865	865	635	635	
DEER PARK JUNCTION	1450	..	..	..	..	..	..	..	..	..	..	1270	1270

4. SAFEWORKING SYSTEMS

Automatic Block Signalling is in force on the Up and Down lines between DEER PARK JUNCTION and DEER PARK WEST.

Automatic and Track Control is in force between DEER PARK WEST and BALLARAT.

The Ballarat Corridor Signaller operates the points and signals at, DEER PARK WEST, ROCKBANK LOOP, MELTON LOOP, PARWAN LOOP, BACCHUS MARSH LOOP, ROWSLEY LOOP, BANK BOX LOOP and BUNGAREE DEVIATION from a Visual Display Unit located at Centrol .

Automatic Block Signalling is in force between BALLARAT EAST and WENDOUREE and is controlled from a Visual Display Unit located at Centrol .

Train Staff and Ticket is in force between WENDOUREE and ARARAT.

The Broad Gauge Signalling at ARARAT is controlled from a Visual Display Unit at Centrol.

NETWORK SERVICE PLAN

DEER PARK JUNCTION TO ARARAT

BROAD GAUGE

5. SPECIAL NOTES

A Signaller will be in attendance at Ballarat and Ararat when Staff Tickets are being used.

The Broad Gauge platform at Ararat has a standing room of 103 meters.

6. DISTANCES FROM MELBOURNE AND CLEAR LENGTHS OF CROSSING ROADS

LOCATION	MARKED DISTANCE FROM MELBOURNE (KM)	CLEAR LENGTH OF CROSSING ROADS (LENGTH IN METRES)		
		NO. 1	NO. 2	SIDINGS
DEER PARK JUNCTION	19.350		..	
DEER PARK WEST	20.805	..	..
BORAL RESOURCES SIDING #	21.000	..	..
CAROLINE SPRINGS	21.256	267	267	
ROCKBANK LOOP	30.190	751	751	
MELTON LOOP	37.319	130	125	Siding A – 245
PARWAN LOOP	45.687	969	969	
BACCHUS MARSH	50.862	170		No 3 – 152, No 4 – 157 No 5 – 113, No 6 – 172 Sidings A – 170, B – 194, C – 98, D – 186
ROWSLEY LOOP	54.869	420	420	
BANK BOX LOOP	65.803	903	903	
BALLAN	79.680	..	..
BUNGAREE DEVIATION LINE EAST END ♦	93.576	1444	1444	
BUNGAREE DEVIATION LINE WEST END ♦	101.808	1444	1444	
WARRENHEIP	107.200	..	..
BALLARAT EAST END	113.109	..	..
BALLARAT	113.801	..	..
NORTH BALLARAT JUNCTION (via BALLAN – marked distance)	120.000	..	..
NORTH BALLARAT JUNCTION (via NORTH GEELONG)	156.900	..	..
ARARAT	210.771	103	..	112

Note # Fitters required to attend onsite to operate point locking.

- ♦ Bungaree Deviation South Line is 5kms shorter than Bungaree Deviation North Line. This causes a kilometre change at the West End of Bungaree Deviation.

7. TRACK CLASS

Track is maintained to the following CLASS standards:

SECTION		CLASS
DEER PARK JUNCTION - BALLARAT	Down line	19.350 km – 21.700 km
	Single Line	21.700 km – 52.196 km
	Single line	52.196 km – 56.022 km
	Single line	56.022 km – 58.594 km
	Single line	58.594 km – 60.159 km
	Single line	60.159 km – 61.499 km
	Single line	61.499 km – 71.703 km
	Single line	71.703 km – 111.643 km
	Single line	111.643 km – 113.748 km
DEER PARK WEST – DEER PARK JUNCTION	Up line	21.700 km – 20.983 km
ROCKBANK CROSSING LOOP		29.379 km – 30.812 km
MELTON CROSSING LOOP		36.983 km – 37.434 km
PARWAN CROSSING LOOP		44.821 km – 46.634 km
BACCHUS MARSH NO 1 ROAD		50.600 km – 50.967 km
ROWSLEY CROSSING LOOP		54.869 km – 55.891 km
BANK BOX CROSSING LOOP		64.810 km – 66.660 km
BUNGAREE CROSSING LOOP		93.650 km – 106.701 km
BALLARAT – ARARAT		118.801 km – 210.771 km

NETWORK SERVICE PLAN

DEER PARK JUNCTION TO ARARAT

BROAD GAUGE

8. PROTECTED LEVEL CROSSINGS

NAME AND KMS OF NEAREST STATION	LEVEL CROSSING	DISTANCE (KM)	TYPE	LOCATION NUMBER	VICROADS ID NO.
ROCKBANK LOOP – 30.190	Hopkins Road	24.450	BB	AO244	
	Troupes Road	27.828	BB	AO278	
	Leakes Road	29.579	BB	AO295	
	Rockbank Station	29.876	PG	AO298	
	* Paynes Road	31.297	BB	AO312	
	* Mount Cottrell Road	32.933	BB	AO329	
	* Ferris Road	34.613	BB	AO346	
MELTON – 37.319	Station Road (Exford Road)	37.069	BB, PG	AO370	
	Coburns Road	38.020	BB, PG	AO380	
	* Telephone Road	41.967	BB	AO419	
	* Staughton Siding Road	42.761	BB	AO427	
PARWAN LOOP – 45.687	* Occupation Crossing	45.188	BB	AO451	
	* Occupation Crossing	45.763	BB	AO457	
	* Whelans Road	46.873	BB	AO468	
BACCHUS MARSH – 50.862	Fisken Street	50.396	BB	AO503	
	Parwan Road	51.214	BB, PG	AO512	
	* Osborne Road	52.312	BB	AO523	
ROWSLEY LOOP – 54.869	* Kerr's Road	53.435	FL	AO534	
	* Rowsley Station Road	54.608	BB	AO546	
	* Occupation Crossing	64.907	FL	AO649	
BANK BOX LOOP – 65.803	* Ironbark Road	66.994	BB	AO669	
	* Manns Road	71.060	BB	AO710	
	* Ingliston Drive	72.426	BB	AO724	
	* Occupation Crossing	73.323	FL	AO733	
BALLAN – 79.475	* Occupation Crossing	74.053	FL	AO740	
	* Occupation Crossing	76.006	FL	AO760	
	* Ingliston Road	77.974	BB	AO779	
	* Windle Street	78.722	BB	AO787	
	* Cowie Street	79.663	BB	AO796	
	* Old Geelong Road	80.138	BB	AO801	
	* 🚗 Daylesford Road	80.769	BB	AO807	19023
	* Occupation Crossing	82.212	FL	AO822	
	* Occupation Crossing	82.923	FL	AO829	
	* Bostock Crossing	83.707	FL	AO837	
	* Llandeilo Lane	85.900	BB	AO859	
	* Occupation Crossing	86.447	FL	AO864	
	* Mount Egerton Road	90.783	BB	AO907	
	* Boundary Road	91.908	BB	AO919	
	* Occupation Crossing	92.305	FL	AO923	
	BUNGAREE NORTH LINE	Old Melbourne Road	94.411	BB	AO944
Westcotts (Wallace) Road		97.952	BB	AO979	
* 🚗 Bungaree/Wallace Road		98.444	BB	AO984	19024
Bungaree/Wallace Road (Old Western Highway)		102.639	BB	A1026	
Lester Road		103.827	BB	A1038	
Torpy's Road		101.710	BB	A1017	
BALLARAT – 113.812 <i>(Distances via Bungaree South Line)</i>	* Occupation Crossing	102.680	BB	A1026	
	* Old Melbourne Road (Dunnstown Road)	103.370	BB, PG	A1033	
	Ω Tierney Road	104.156	BB	A1041	
	* Ti – Tree Road	106.040	BB	A1060	
	Humffray Street	113.120	BB, PG	A1181	
	◆ Yelta Line Marker Posts Only				
	◆ Lydiard Street	155.923	IG, PG	A1189	
	◆ Doveton Street	156.336	BB	A1193	
	◆ McArthur Street	156.867	BB	A1198	
	* Creswick Road/Midland Highway	120.438	BB	A1204	19018
	Burnbank Street	121.190	BB	A1211	
	Forest Street	122.303	BB PG EGL	A1223	
	Gillies Street	123.113	BB PG	A1231	
WENDOUREE – 123.302					

NETWORK SERVICE PLAN

DEER PARK JUNCTION TO ARARAT
BROAD GAUGE

NAME AND KMS OF NEAREST STATION	LEVEL CROSSING	DISTANCE (KM)	TYPE	LOCATION NUMBER	VICROADS ID NO.
	Ring Road	124.976	BB	A1249	
	Dowling Road	129.372	FL	A1293	
	Draffins Road	130.879	FL	A1308	
	Powells Road	132.673	FL	A1326	
	Windermere Road	134.459	FL	A1344	
	Carpenter Road	136.247	FL	A1362	
	Avenue of Honour	138.002	BB PG	A1380	
	Burrumbeet Road	139.499	FL	A1394	
	Cockpit Lagoon Road	141.312	BB	A1413	
BEAUFORT – 164.784	Black Bottom Road	150.743	BB	A1507	
	Langi Kal Kal Road	157.031	FL	A1570	
	Waterloo Road	157.272	FL	A1572	
	Smiths Lane	159.162	BB	A1591	
	Packhams Lane	160.816	BB	A1608	
	Racecourse Road	163.667	FL	A1636	
	Lawrence Street	164.636	FL	A1646	
	Kings Street	165.022	FL	A1650	
	Shirley Road	167.766	FL	A1677	
	Finnegans Road	170.607	FL	A1706	
	Old Shirley Road	174.862	FL	A1748	
	Streatham Road	175.942	FL	A1759	
	Goulds Lane	179.514	BB	A1795	
	Middle Creek Road	181.460	BB	A1814	
ARARAT – 210.817	Yerabbin Road	185.698	BB	A1856	
	High Street	187.459	FL	A1874	
	Gravel Route Road	189.264	FL	A1892	
	Langi Ghiran Picnic Ground Road	198.341	BB	A1983	
	Brady Road Ω	201.198	BB	A2011	
	Gorrin Cattle Yard Road	202.838	FG	A2028	
Warrayatkin Road	203.327	FL	A2033		
Green Hill Lake Road	207.064	FL	A2070		
Health Street	208.882	FL	A2088		
Alfred Street	209.610	BB	A2096		

BB – Boom Barriers

NSW – R.I.C. Distance from Sydney

T – Equipped with Telephone Communication

CC – Crib Crossing

PB – Pedestrian Barriers

VIC – Victorian Broad Gauge

FL – Flashing Lights

PG – Pedestrian Gates

FG – Frangible Gates

IG – Interlocked Gates

SG – Standard Gauge

Note * Indicates those level crossings where an increase in speed may be permitted if the train is travelling at or above 50 km/h upon passing the predictor indicator board.

At these Level Crossings indicated above operated with Level Crossing Predictors, the Predictor boards will be placed in accordance with Rule 9 (Section 36) of the Rules and Operating Procedures.

Note ♣ Level crossing fitted with VicRoads Active Advance Warning Signs. Warning sign faults are to be reported to the VicRoads Fault Centre on 131170.

Note Ω Indicates those level crossings are operated through Axle Counter Equipment. Reset of this equipment will be in accordance with, Procedure 34 - 133 Axle Counter Level Crossing Reset Procedure from Section 34 of Book of Rules and Operating Procedures

NETWORK SERVICE PLAN