

**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 Deer Park Junction and KP 39.300 (Junction Points Down side of MELTON )	Freight Pass	80 90	80 115	80 100	65 ..	.. 130
Up Line KP 22.900 (Down side of CAROLINE SPRINGS) and Deer Park Junction	Freight Pass	65 90	65 90	65 90	65 ..	.. 130
Up Line KP 39.300 (Junction Points Down side of MELTON ) and KP 22.900(Down side of CAROLINE SPRINGS)	Freight Pass	80 90	80 115	80 100	65 ..	.. 130
KP 39.300 (Junction Points Down side of MELTON ) and KP 49.400 Signal BMH704 Down Side PARWAN Loop	Freight Pass	80 90	80 115	80 100	65 ..	.. 130
KP 49.400 Signal BMH704 Down Side PARWAN Loop and KP 50.280 Signal BMH706 Up side of BACCHUS MARSH)	Freight Pass	80 90	80 Dn 100 UP 115	80 100	65 ..	.. 130
KP 50.280 Signal BMH706 Up side of BACCHUS MARSH)	Freight Pass	80 80	80 80	80 80	65 ..	.. 80
KP 53.739 Signal BMH726 Down side of BACCHUS MARSH and BANK BOX LOOP (See Special Speed Restrictions)	Freight Pass	80 90	80 100	80 100	65 ..	.. 115
BANK BOX Loop and BALLARAT EAST (Humffray St PCR 113.109) (See Special Speed Restrictions) (via North Line BALLAN and MILLBROOK LOOP	Freight Pass	80 90	80 115	80 100	65 ..	.. 130
KP 78.150 and KP 82.503 Via South Line BALLAN	Freight Pass	80 80	80 80	80 80	65 ..	.. 80
KP 95.047 and KP 98.810 Via South Line MILLBROOK LOOP	Freight Pass	80 80	80 80	80 80	65 ..	.. 80
BALLARAT EAST (Humffray St PCR 113.109km) and BALLARAT NORTH (Macarthur St PCR KP 119.867) through BALLARAT	All Trains	40	40	40	40	40
BALLARAT NORTH (Macarthur St PCR KP 119.867) and WENDOUREE KP 122.979 Signal WDR710	Freight Pass	65 80	65 80	65 80	65	80
WENDOUREE KP 122.979 Signal WDR710 and KP 124.000	Freight Pass	Dn 65 Up 40	Dn 65 Up 40	Dn 65 Up 40	Dn 65 Up 40	80
KP 124.000 to KP 126.000	Freight Pass	65 95	65 95	65 95	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			25	25	25	25

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

REGIONAL FAST RAIL CORRIDOR – SUNSHINE TO BALLARAT	VLOCITY
Up Line, KP 22.900 Down side CAROLINE SPRINGS to DEER PARK JUNCTION	As per table 1 above
Down Line DEER PARK JUNCTION to Down side of PARWAN LOOP KP 47.700	160
Up Line KP 39.300 MELTON to Down side ROCKBANK KP 30.720	160
Up Line ROCKBANK KP 30.720 to Up Side ROCKBANK KP 29.400	As per table 1 above
Up Line Up side ROCKBANK KP 29.400 to CAROLINE SPRINGS KP 22.900	160
KP 47.700 Down side of PARWAN LOOP to KP 72.317 Down side of BANK BOX LOOP	As per table 1 above
KP 72.317 down side of BANK BOX LOOP via BALLAN and MILLBROOK LOOP - NORTH Line to KP 111.650 approach to signal 52 at BALLARAT	160

**NETWORK SERVICE PLAN**

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**2. SPECIAL SPEED RESTRICTIONS**

1. A noticeboard is provided at Signal Post DPW 732 advising the speed of all DOWN trains departing Caroline Springs No. 1 Road when Clear Medium Speed Aspect is displayed can be increased when the Train is clear of the points.
 

**SIGNAL DPW 732**

**TRAINS DEPARTING ON CLEAR MEDIUM SPEED ASPECT MAY INCREASE SPEED WHEN CLEAR OF POINTS**
  
2. A noticeboard is provided at Down Home Departure Signal BMH730 advising BMH730 Clear Medium Speed 65 for No 2 Road Rowsley.
 

**BMH730**

**CLEAR MEDIUM SPEED 65**

**FOR NO 2 ROAD ROWSLEY**
  
3. The Speed of all UP Freight trains between BALLAN and BACCHUS MARSH must NOT exceed 65km/h from **73.000km** to **50.678km**.
4. The Speed of all DOWN Freight trains between PARWAN and BACCHUS MARSH must NOT exceed 65km/h from **49.400km** to **52.086km**
5. All Train movements to or from BALLARAT EAST Locomotive Depot must NOT exceed 10km/h.
6. All Down Trains entering the Independent Track from BALLARAT EAST must NOT exceed 10km/h.
7. Rail Vehicles are currently not permitted to be left unattended within the confines of the Independent Track at BALLARAT.
8. The speed of all trains when passing over Facing Points worked by mechanical or electrical interlocking, 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 CAROLINE SPRINGS, PARWAN LOOP, BACCHUS MARSH, ROWSLEY LOOP, BANK BOX LOOP and BALLARAT EAST (Crossover on Up side of Humffray St PCR).	65	Line speed for Train Type
Except as indicated to higher speed at the signal via the illuminated speed indicator, at MELTON (Crossover on Up side of Toolern Creek Bridge and Down side of Coburns Rd PCR. at BACCHUS MARSH Down side of Kerrs Road, BALLAN and MILLBROOK LOOP	80	Line speed for Train Type

9. 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) km/h between Deer Park Junction and Ballarat.

**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	
<b>DOWN</b>														
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	<b>1200</b>	<b>790</b>	<b>790</b>	<b>1020</b>	<b>660</b>	<b>660</b>	<b>660</b>	<b>405</b>	<b>405</b>	<b>405</b>	<b>405</b>	<b>305</b>	<b>305</b>	
MILLBROOK 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	
<b>UP</b>														
Ararat to BUANGOR		965	965	965	815	815	815	510	510	510	510	..	..	
TRAWALLA	1400	865	865	865	760	760	760	<b>455</b>	<b>455</b>	<b>455</b>	<b>455</b>	<b>355</b>	<b>355</b>	
BALLARAT TO	2880	1830	1830	1830	1420	1420	1420	815	815	815	815	455	455	
MILLBROOK LOOP	1520	<b>865</b>	..	..	..	..	..	<b>455</b>	<b>455</b>	<b>455</b>	<b>455</b>	..	..	
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	..	<b>865</b>	<b>865</b>	<b>1060</b>	<b>710</b>	<b>710</b>	<b>710</b>	510	510	510	510	<b>355</b>	<b>355</b>	
ROCKBANK		1625	1625	1625	1625	1625	1625	865	865	865	865	635	635	
DEER PARK JUNCTION	<b>1450</b>	..	..	..	..	..	..	..	..	..	..	1270	1270	

**NETWORK SERVICE PLAN**

**DEER PARK JUNCTION TO ARARAT****BROAD GAUGE****4. SAFeworking SYSTEMS**

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

Automatic and Track Control is in force between MELTON and BACCHUS MARSH

Automatic Block Signalling is in force at BACCHUS MARSH

Automatic and Track Control is in force between BACCHUS MARSH and BALLAN

Automatic Block Signalling is in force at BALLAN

Automatic and Track Control is in force between BALLAN and MILLBROOK LOOP

Automatic Block Signalling is in force at MILLBROOK LOOP

Automatic and Track Control is in force between MILLBROOK LOOP and BALLARAT EAST

Automatic Block Signalling is in force between BALLARAT EAST and WENDOUREE

Train Staff and Ticket is in force between WENDOUREE and ARARAT

Automatic Block Signalling is in force on the Broad Gauge Tracks at ARARAT

Signallers will be in attendance at Ballarat and Ararat whom will be responsible for the carrying out the requirements of the Signaller in accordance with Section 21, Section 34 – 70 and Section 34 – 82 contained in Section 34 of the 1994 Book of Rules and Operating Procedures as amended.

The Ballarat Corridor Signaller operates the points and signals at, DEER PARK WEST, CAROLINE SPRINGS, MELTON, PARWAN LOOP, BACCHUS MARSH, MADDINGLEY SIDINGS, ROWSLEY LOOP, BANK BOX LOOP, BALLAN, MILLBROOK LOOP, BALLARAT between BALLARAT - WENDOUREE and the Broad Gauge Signalling at ARARAT from a Visual Display Unit located at Control.

**5. SPECIAL NOTES**

Nil

**DEER PARK JUNCTION TO ARARAT**
**BROAD GAUGE**
**6. DISTANCES FROM MELBOURNE AND CLEAR LENGTHS OF CROSSING ROADS**

LOCATION	MARKED DISTANCE FROM MELBOURNE (KM)	PLATFORM LENGTH		CLEAR LENGTH OF CROSSING ROADS (LENGTH IN METRES)		
		NO 1	NO 2	NO. 1	NO. 2	SIDINGS
DEER PARK JUNCTION	19.350			..	..	
DEER PARK WEST	20.805			..	..	
BORAL RESOURCES SIDING	21.000			..	..	
CAROLINE SPRINGS	21.256	193	193	267	267	
ROCKBANK	30.190	180	180	..	..	
COBBLEBANK	34.265	250	250	..	..	
MELTON	37.319	175	175	..	..	Siding A – 157
PARWAN LOOP	45.687			969	969	
BACCHUS MARSH	50.862	180	180	..	..	Turntable Siding - 120
MADDINGLEY SIDINGS	53.490			..	..	No 1 – 187, No 2 – 187 No 3 – 189, No 4 – 200 No 5 – 200, No 6 – 200 Head Shunt - 86
ROWSLEY LOOP	54.869			602	602	
BANK BOX LOOP	65.803			903	903	
BALLAN	79.680	164	180	..	..	
MILLBROOK LOOP	93.576			..	..	
WARRENHEIP	107.200			..	..	
BALLARAT EAST END	113.109			..	..	
BALLARAT	113.801	244	189	..	..	
NORTH BALLARAT JUNCTION (via BALLAN – marked distance)	120.000			..	..	
NORTH BALLARAT JUNCTION (via NORTH GEELONG)	156.900			..	..	
WENDOUREE	123.302	160	180			
BEAUFORT	164.784	128				
ARARAT	210.771	103		112	..	Stabling Sidings No 1 – 81 No 2 – 81

**7. TRACK CLASS**

Track is maintained to the following CLASS standards:

SECTION		CLASS
DEER PARK JUNCTION - BALLARAT	Down Line	19.350 km – 39.300 km
	Up Line	39.300 km – 22.900 km
	Single Line	39.300 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 – 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 (UP PLATFORM)	Up Line	29.400 km – 30.720 km
MELTON (UP PLATFORM)	Up Line	36.983 km – 37.434 km
PARWAN LOOP		44.821 km – 46.634 km
BACCHUS MARSH	North Line	50.600 km – 50.967 km
BACCHUS MARSH	South Line	
ROWSLEY LOOP		54.869 km – 55.891 km
BANK BOX LOOP		64.810 km – 66.660 km
BALLAN	South Line	78.150 km – 82.503 km
MILLBROOK LOOP	South Line	95.047 km – 98.810 km
BALLARAT – ARARAT		118.801 km - 126.000 km
		126.000 km – 202.000 km
		202.000 km - 210.771 km

**NETWORK SERVICE PLAN**

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**8. PROTECTED LEVEL CROSSINGS**

NAME AND KMS OF NEAREST STATION	LEVEL CROSSING	DISTANCE (KM)	TYPE	LOCATION NUMBER	VICROADS ID NO.
ROCKBANK – 30.190	Hopkins Road	24.450	BB PG EGL	AO244	
	Troupes Road	27.828	BB PG EGL	AO278	
	Leakes Road	29.579	BB PG EGL	AO295	
	Paynes Road	31.297	BB PG EGL	AO312	
COBBLEBANK – 34.275	Mount Cottrell Road	32.933	BB PG EGL	AO329	
	Ferris Road	34.613	BB PG EGL	AO346	
MELTON – 37.319	Station Road (Exford Road)	37.069	BB PG EGL	AO370	
	Coburns Road	38.020	BB PG EGL	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	Kerrs Road	53.435	BB	AO534	
	Rowsley Station Road	54.608	BB	AO546	
BANK BOX LOOP – 65.803	* Occupation Crossing	64.907	FL	AO649	
	* Ironbark Road	66.994	BB	AO669	
	* Manns Road	71.060	BB	AO710	
	* Ingliston Drive	72.426	BB	AO724	
BALLAN – 79.475	* Gillets Lane	73.323	FL	AO733	
	* 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	BB	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		
BALLARAT – 113.812 (Change of KP 114/119 Down side of Lydiard Street)	Torpy's Road	101.710	BB	A1017	
	* 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	BB PG EGL	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	

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NAME AND KMS OF NEAREST STATION	LEVEL CROSSING	DISTANCE (KM)	TYPE	LOCATION NUMBER	VICROADS ID NO.
WENDOUREE – 123.302	Forest Street	122.303	BB PG EGL	A1223	
	Gillies Street	123.113	BB PG EGL	A1231	
	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	BB	A1748	
	II Streatham Road	175.942	BB	A1759	
	Goulds Lane	179.514	BB	A1795	
	Middle Creek Road	181.460	BB	A1814	
	Yerabbin Road	185.698	BB	A1856	
	High Street	187.459	FL	A1874	
ARARAT – 210.817	Gravel Route Road	189.264	FL	A1892	
	Langi Ghiran Picnic Ground Road	198.341	BB	A1983	
	Ω Brady Road	201.198	BB	A2011	
	Gorin 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                      **CC** – Crib Crossing                      **FL** – Flashing Lights                      **EGL** – Electric Gate Latches
- PG** – Pedestrian Gates                      **SG** – Standard Gauge                      **VIC** – Victorian Broad Gauge                      **FG** – Frangible Gates

**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

**Note £** Indicates those level crossings are operated through Axle Counter Equipment and local reset of Island Track is provided in accordance with Operating Procedure No. 34-133. (Modified Location).

**Note II** Indicates that Road / Rail Vehicles are not permitted to On or Off Track at this level crossing.

**NETWORK SERVICE PLAN**