

## SOUTHERN CROSS 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
SOUTHERN CROSS (Platforms 1 to 7) and the V/LINE/METRO TRAINS INTERFACE (Signals FLX 506, FLX 530, FLX 540, FLX 580 and FLX 532).	All Trains	15	25	25	25	25
SOUTH KENSINGTON and SIMS STREET JUNCTION (via Freight Lines)	Freight	40	40	40	40	..
WEST FOOTSCRAY JUNCTION and SUNSHINE (via Freight Lines)	Freight	15	15	15	15	..
South Line – SUNSHINE and 14.230km (Down side of Koroit Creek Bridge (ARDEER) KP 14.230 and 21.000km (Down side of DEER PARK WEST JUNCTION)	Freight	80	80	80	65	..
	Pass	90	115	100	..	115
North Line – SUNSHINE and 21.000km (Down side of DEER PARK WEST JUNCTION)	Freight	80	80	80	65	..
	Pass	90	115	100	..	115
21.000km (Down side of DEER PARK WEST JUNCTION) and 50.610km (Fisken St PCR Up side BACCHUS MARSH)	Freight	80	80	80	65	..
	Pass	90	115	100	..	130
50.610km (Fisken St PCR Up side of BACCHUS MARSH) and BANK BOX LOOP (See Special Speed Restrictions)	Freight	80	80	80	65	..
	Pass	90	115	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	40
			90	90	65	95
KP 126.000 to KP 202.000			115	115	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
South Line SUNSHINE to KP 15.460 ARDEER	As per table 1 above for Sprinter
North Line SUNSHINE to DEER PARK WEST JUNCTION	As per table 1 above for Sprinter
South Line ARDEER KP 15.460 through DEER PARK WEST JUNCTION 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

1. The Speed of all UP Freight trains between BALLAN and BACCHUS MARSH must NOT exceed 65km/h from 73.000km to 56.000km.
2. Trains hauled by G class locomotives must NOT be permitted to shunt onto the Redan Lines West of LINTON JUNCTION (Ballast Siding 125.400km).
3. All Train movements to or from BALLARAT EAST Locomotive Depot must NOT exceed 10km/h.
4. All Down Trains entering the Freight Arrival Track from BALLARAT EAST must NOT exceed 10km/h.
5. The speed of all trains when passing over Facing Points 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 SOUTHERN CROSS and BALLARAT	40	Line speed for Train Type
Except as indicated to higher speed at the signal via the illuminated speed indicator, and BALLARAT EAST (Crossover on Up side of Humffray St PCR).	65	130
Except over Fixed Points and Dual Gauge points at Southern Cross	15	25

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6. 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) KMPH between Sunshine and Ballarat.
7. Melbourne Yard – Reversing Loop line speed is 5km/h

#### 3. RULING GRADE LOADS (TONNES)

SECTION	CLASSES OF LOCOMOTIVES												
	G, XR, BL	N	GM, S, X	Mod. A Class	A solo or multi with A	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>													
<b>Melbourne to SUNSHINE (via Pass Lines)</b>	2790	1830	1830	1830	1625	1625	1625	1220	1220	1220	1220	730	730
<b>Dynon to TOTTENHAM YARD</b>	2790	1830	1830	1830	1625	1625	1625	1220	1220	1220	1220	760	760
<b>Sunshine to DEER PARK WEST (Boral)</b>	..	..	..	..	..	..	..	1420	1420	1420	1420	915	915
<b>MELTON</b>	2100	1525	1525	1525	1420	1420	1420	1015	1015	1015	1015	730	730
<b>BACCHUS MARSH</b>	1650	1220	1220	1220	1015	1015	1015	815	815	815	815	610	610
<b>BANK BOX LOOP</b>	1200	790	790	1020	660	660	660	405	405	405	405	305	305
<b>BUNGAREE LOOP</b>	..	865	865	1100	710	710	710	405	405	405	405	305	305
<b>BALLARAT</b>	1390	1830	1830	1830	1625	1625	1625	915	915	915	915	610	610
<b>TRAWALLA</b>	..	1525	1525	1525	1420	1420	1420	915	915	915	915	910	910
<b>ARARAT</b>	1390	915	915	1020	760	760	760	510	510	510	510	355	355
<b>UP</b>													
<b>Ararat to BUANGOR</b>		965	965	965	815	815	815	510	510	510	510	..	..
<b>TRAWALLA</b>	1400	865	865	865	760	760	760	455	455	455	455	355	355
<b>BALLARAT TO</b>	2880	1830	1830	1830	1420	1420	1420	815	815	815	815	455	455
<b>BUNGAREE LOOP</b>	1520	865	..		..	..	..	455	455	455	455	..	..
<b>BANK BOX LOOP</b>	..	915	865	1120	760	760	760	510	510	510	510	355	355
<b>BACCHUS MARSH</b>	..	1820	1820	1820	1820	1820	1820	1820	1820	1820	1820	630	630
<b>PARWAN LOOP</b>	..	865	865	1060	710	710	710	510	510	510	510	355	355
<b>ROCKBANK</b>		1625	1625	1625	1625	1625	1625	865	865	865	865	635	635
<b>SUNSHINE</b>	1450		..		..	..	..	..	..	..	..	1270	1270
<b>TOTTENHAM YARD (Freight Lines)</b>	..	..	..		..	..	..	..	..	..	..	..	..
<b>DYNON</b>	3170	2135	2135	2135	2135	2135	2135	1625	1625	1625	1625	1220	1220
<b>Sunshine to MELBOURNE (Via Pass Lines to South Kensington)</b>	3170	2880	2135	2135	2135	2135	2135	1625	1625	1625	1625	1220	1220

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#### 4. SAFEWORING SYSTEMS

Automatic Block Signalling is in force on the Up and Down lines between WEST TOWER – SOUTH KENSINGTON – SIMS STREET JUNCTION (via Freight Lines).

Traffic between WEST FOOTSCRAY JUNCTION and SUNSHINE (via Freight Lines) is operated under the special instructions contained in the Book of Rules and Operating Procedures 1994.

Automatic and Track Control is in force between SUNSHINE and BALLARAT. The Regional Signal Controller at BALLARAT operates the points and signals at DEER PARK, DEER PARK WEST, ROCKBANK LOOP, MELTON LOOP, PARWAN LOOP, BACCHUS MARSH LOOP, BANK BOX LOOP and BUNGAREE DEVIATION by remote control from a Visual Display Unit located at BALLARAT.

Station Yard Working is in force between BALLARAT EAST and NORTH BALLARAT JUNCTION controlled from a Signal Control Panel located at BALLARAT.

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

The Train Controller at 628 Bourke Street controls the Broad Gauge Signalling at Ararat from a Visual Display Unit.

#### 5. SPECIAL NOTES

A Signaller will be in attendance at 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
TOTTENHAM YARD	8.616	..	..	
TOTTENHAM	9.103	..	..	
TOTTENHAM JUNCTION	10.450	..	..	
SUNSHINE	12.254	..	..	
ARDEER	15.590	..	..	
DEER PARK	17.825	564	..	
DEER PARK WEST JUNCTION	20.805	..	..	
BORAL RESOURCES SIDING #	21.000	..	..	
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 – 125, B – 194, C – 98, D – 186
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.

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**7. TRACK CLASS**

Track is maintained to the following CLASS standards:

SECTION	CLASS	
WEST FOOTSCRAY – SUNSHINE	CLASS 3	
SUNSHINE – BALLARAT	CLASS 2	
South line	12.300 km – 15.269 km	CLASS 2
South line	15.269 km – 52.196 km	CLASS 1
South line	52.196 km – 56.022 km	CLASS 2
South line	56.022 km – 58.594 km	CLASS 1
South line	58.594 km – 60.159 km	CLASS 2
South line	60.159 km – 61.499 km	CLASS 2M
South line	61.499 km – 71.703 km	CLASS 2
South line	71.703 km – 111.643 km	CLASS 1
South line	111.643 km – 113.748 km	CLASS 2
SUNSHINE – DEER PARK WEST	CLASS 2	
North line	12.300 km – 20.983 km	CLASS 2
ROCKBANK CROSSING LOOP	29.379 km – 30.812 km	CLASS 2
MELTON CROSSING LOOP	36.983 km – 37.434 km	CLASS 2
PARWAN CROSSING LOOP	44.821 km – 46.634 km	CLASS 2
BACCHUS MARSH NO 1 ROAD	50.600 km – 50.967 km	CLASS 2
BANK BOX CROSSING LOOP	64.810 km – 66.660 km	CLASS 2
BUNGAREE CROSSING LOOP	93.650 km – 106.701 km	CLASS 2
BALLARAT – ARARAT	118.801 km – 210.771 km	CLASS 2

**8. PROTECTED LEVEL CROSSINGS**

NAME AND KMS OF NEAREST STATION	LEVEL CROSSING	DISTANCE (KM)	TYPE	LOCATION NUMBER	VICROADS ID NO.
WEST TOWER – 1.500	Dock Link Road	3.940	BB	MW0039	
SUNSHINE – 12.254	Anderson Road	12.832	BB	AO128	
ARDEER – 15.05	Ardeer Station	15.051	PG	AO150	
	West Street	15.590	PG	AO155	
	Fitzgerald Road	16.002	BB, PG	AO160	
DEER PARK – 17.825	Station Road	17.646	BB, PG	AO176	
	Deer Park Station	17.938	PG	AO179	
	Robinson's Road	19.306	BB	AO193	
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	
	* Kerr's Road	53.435	BB	AO534	
	* Rowsley Station Road	54.608	FL	AO546	
BANK BOX LOOP – 65.803	* Occupation Crossing	64.907	FL	AO649	
	* Ironbark Road	66.994	BB	AO669	
	* 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	
	* Dayslesford Road	80.769	BB	AO807	19023

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**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.