

# Route Access Standard

## DIRN Section Pages D2 - Laverton to Wolseley

### Applicability

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ARTC Network Wide

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SMS

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### Publication Requirement

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External Only

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### Primary Source

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### Document Status

Version #	Date Reviewed	Prepared by	Reviewed by	Endorsed	Approved
1.8	Mar 2018	Manager Procedures Development	Stakeholders	Manager Standards	GM Technical Standards

### Amendment Record

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**Amendments to the RAS are published at the following link**

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[https://www.artc.com.au/uploads/RAS\\_Amendments\\_Register.xlsx](https://www.artc.com.au/uploads/RAS_Amendments_Register.xlsx)

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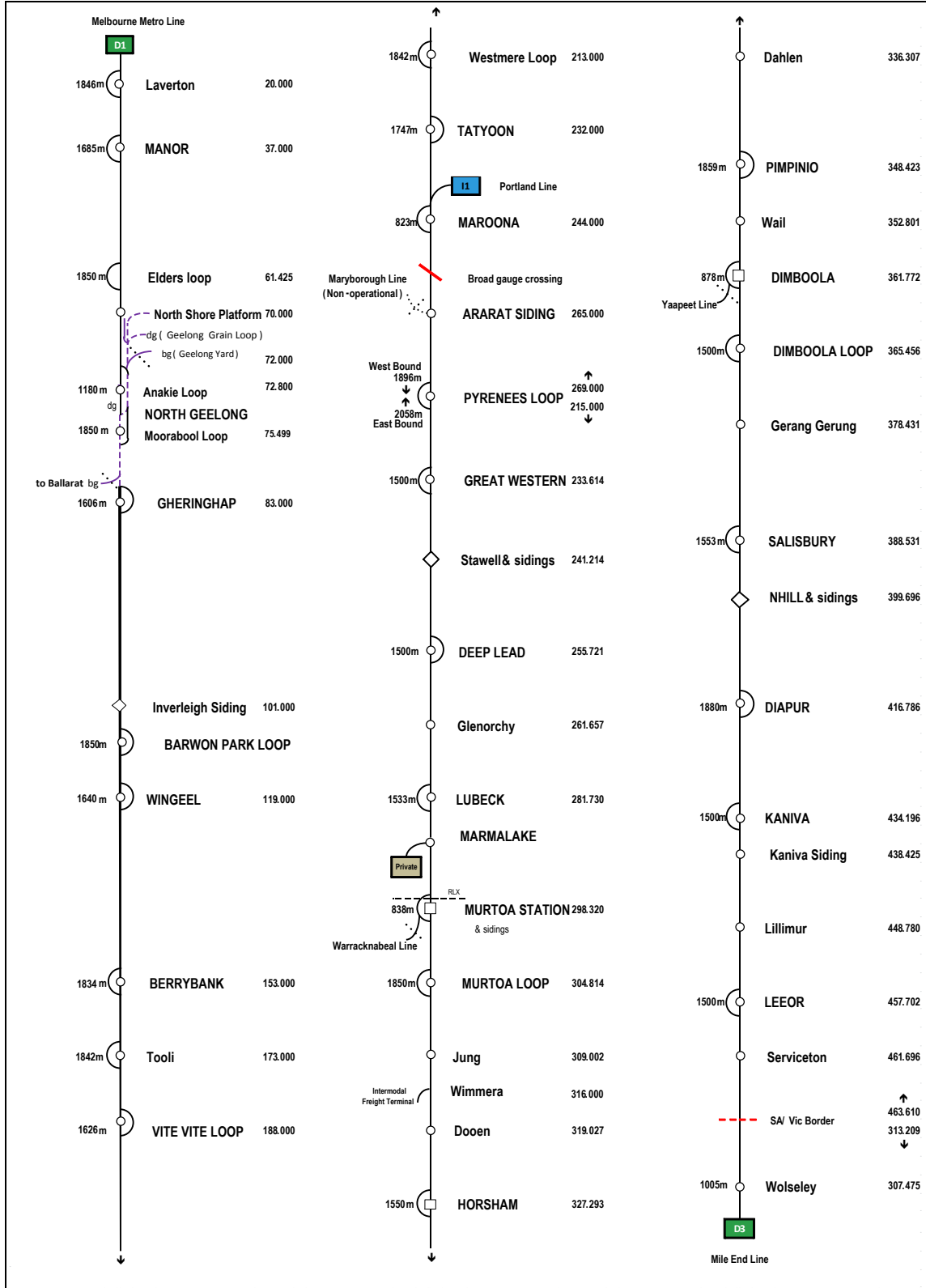
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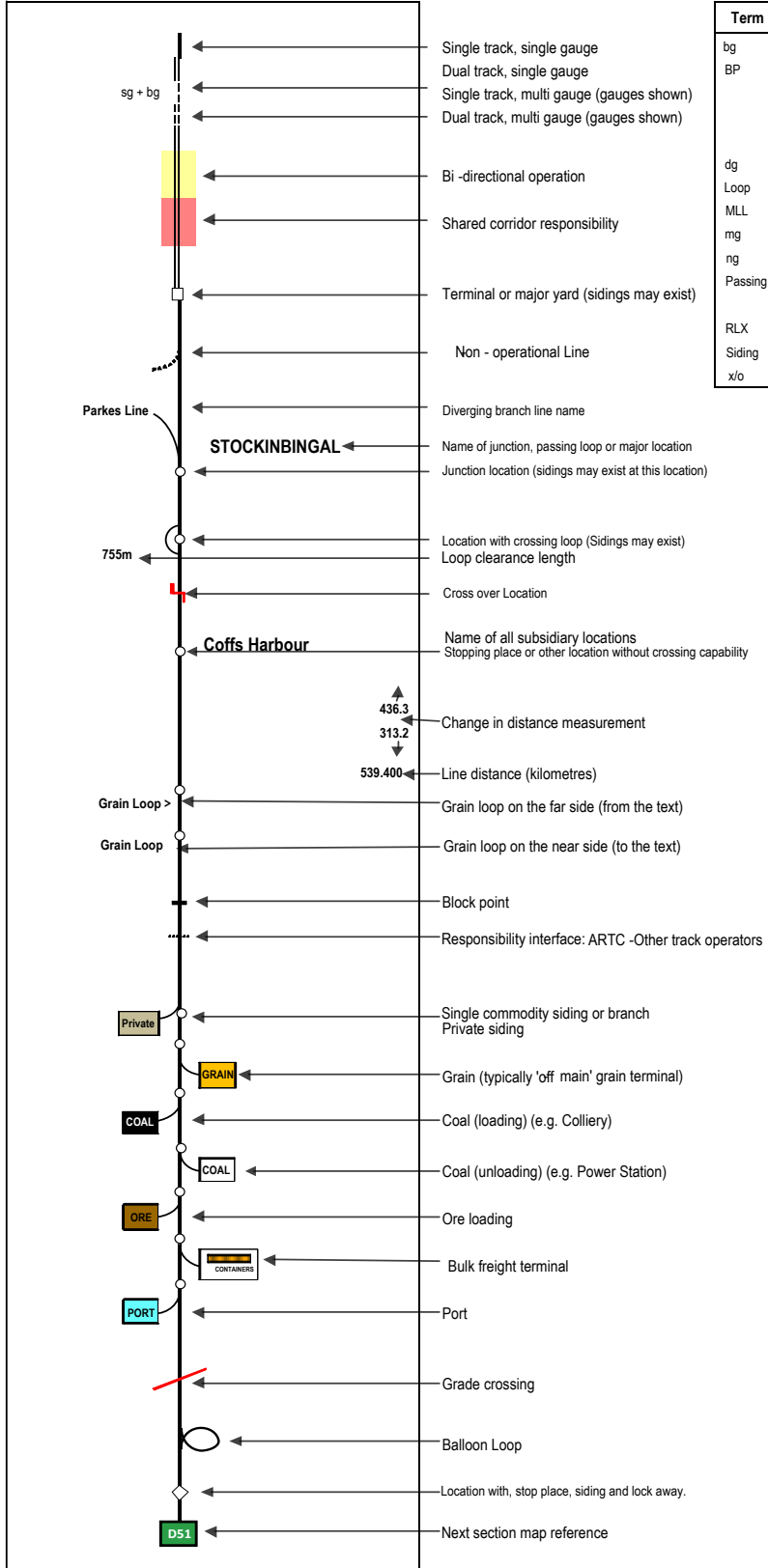
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# 1 D2-Laverton to Wolseley

NB: These line maps are indicative only and should be reviewed in conjunction with the legend on page 3. For more detailed map information refer to the ARTC website.



2 D2 Legend



Term	Description
bg	Broad gauge
BP	National Code Block Point: also known as: Control Point Follow On 'station' Intermediate Section Point
dg	Dual Gauge
Loop	A subsidiary track with two end connections
MLL	Main Line Loader (or Loading)
mg	Mixed gauge
ng	Narrow gauge
Passing Lane	Approx 6km 'loop' with running crosses permitted
RLX	Rail Level Crossing
Siding	A subsidiary track with one end connection
x/o	Crossover

### 3 D2 Route Capacity

LAVERTON – GEELONG			
TRAIN TYPE	MAXIMUM SPEED (KM/H)	MAXIMUM AXLE LOAD (TONNES)	
		LOCOS 134T MAXIMUM LOCOMATIVE WEIGHT	WAGONS
FREIGHT	115	22.8*	20
FREIGHT	110	22.8*	21
FREIGHT	100	22.8*	23
FREIGHT	80	22.8*	25
PASSENGER LOCO HAULED	115	22.8*	19

Note:

1. Route capacity applies where vehicle characteristics and conditions permit.

\* These posted axles load are to account for the variability in axle loads for some classes of locomotive. The maximum locomotive weight must still be adhered to.

GEELONG – WOLSELEY			
TRAIN TYPE	MAXIMUM SPEED (KM/H)	MAXIMUM AXLE LOAD (TONNES)	
		LOCOS 134T MAXIMUM LOCOMATIVE WEIGHT	WAGONS
FREIGHT	115	22.8*	20
FREIGHT	110		21
FREIGHT	80		23
PASSENGER LOCO HAULED	115	22.8*	19

Note:

1. Route capacity applies where vehicle characteristics and conditions permit.

\* These posted axles load are to account for the variability in axle loads for some classes of locomotive. The maximum

## 4 D2 Special Access Conditions

### 4.1 Disabled trains (Moorabool Viaduct)

In the event of a train becoming disabled on the Moorabool Viaduct with the locomotive immobilised, the train crew must advise the Network Controller and remain on the locomotive until emergency services are in place.

### 4.2 Trailerrail Operation

Trailerrail is only permitted to operate between South Dynon and Adelaide.

Trailerrail is not allowed through:

- number three road Tatyoon
- number four road Horsham
- number three road Kaniva.

A maximum speed of 25 km/h applies for Trailerrail on the Main Line through Bunbury Street tunnel.

### 4.3 Clearance for Long Bogie Centre, Low Profile Wagons (Adelaide to Dynon)

The following applies to the conveyance of 53 ft by 10 ft 6 in boxes on long bogie centre, low profile wagons (e.g. RQDW, VQDW, AQDW type – 1020 mm deck height and former 80 ft container wagons):

- The maximum height is 4210 mm and the maximum width is 2500 mm
- Applies to wagons with bogie centres 17.3 m and an overall length of 24.680 m (greater than ROA / RISSB standard wagon dimensions (refer to ROA plates A and C) with increased outswing and inswing
- Wagon(s) must be loaded centrally with 53 ft box and final outline to fit within the above dimensions to compensate for the inswing.

Speed restrictions of 25 km/h apply through tunnels at the following locations:

- Main Line (Adelaide to Melbourne) Bunbury Street tunnel
- Ambleside (Balhannah and Bridge Water )
- Long Gully (Adelaide Hills)
- National Park (Adelaide Hills).

## 5 D2 Permanent Speed Restrictions

LAVERTON – WOLSELEY		
LINE SEGMENT	EXCEPTION TO MAXIMUM SPEEDS LOCATION	RESTRICTED SPEED Km/h
LAVERTON	20.000 KM	
MANOR LOOP	37.000 KM	
ELDERS LOOP	66.600 – 68.450 KM	80
	68.450 – 71.720 KM	50
	71.720 - 71.780 KM	65
	NOTE: 69 KM BECOMES 71 KM	
NORTH GEELONG	73.730 KM ON STRAIGHT SOUTH TRACK AT 45D POINTS (DUAL GAUGE TURNOUT)	70
	73.800 KM ON STRAIGHT SOUTH TRACK AT 49D POINTS (DUAL GAUGE TURNOUT)	70
	77.190 – 77.280 KM ON STRAIGHT AT 57 POINTS (DUAL GAUGE TURNOUT)	95
	72.000 – 81.500 KM MAX SPEED BROAD GAUGE TRAINS ON MIXED GAUGE	80
GHERINGHAP	83.000 KM	
	93.000 – 94.640 KM	90
	94.640 – 96.740 KM	100
INVERLEIGH	101.000 KM	
	101.310 – 101.500 KM	80
WINGEEL	119.000 KM	
	DOWN TRAINS DEPART AFTER STOPPING AT FOXROW ROAD ( LEVEL CROSSING OPERATION)	5
	136.680 – 137.850 KM	90
	137.850 – 138.460 KM	70
BERRYBANK	153.000 KM	
	164.850 – 165.830 KM	100
TOOLI	173.000 KM	
	175.750 – 176.800 KM	100
VITE VITE	188.000 KM	
WESTMERE	213.000 KM	
TATYOON	232.000 KM	

<b>LAVERTON – WOLSELEY</b>			
MAROONA	243.810 KM	244.000 KM	90
	NOTE: 243 KM TO 244 KM IS A LONG KILOMETRE 1290M		
	262.750 KM	263.780 KM	100
	263.780 KM	264.690 KM	70
	264.690 KM	265.920 KM	75
PYRENEES	NOTE: 269 KM BECOMES 215 KM		
	222.160 KM	222.420 KM	105
	222.420 KM	226.490 KM	110
	226.490 KM	227.200 KM	95
GREAT WESTERN			
	239.390 KM	234.150 KM	110
	247.880 KM	248.260 KM	105
DEEP LEAD			
LUBECK			
	298.700 KM	299.700 KM	105
	326.060 KM	326.830 KM	100
MURTOA	326.830 KM	328.480 KM	110
HORSHAM	340.490 KM	344.820 KM	110
PIMPINIO LOOP			
DIMBOOLA			
	378.640 KM	379.700 KM	100
	384.070 KM	387.110 KM	110
SALISBURY			
DIAPUR			
	417.420 KM	419.160 KM	110
	437.890 KM	438.280 KM	90
KANIVA			
LEEOR			

## 6 D2 Special Speed Restrictions

LAVERTON – WOLSELEY		
LOCATION	MAXIMUM SPEED	
	WHEN RUNNING FROM LINES DIVERGING FROM THE STRAIGHT TRACK (KM/H)	WHEN RUNNING ON THE STRAIGHT TRACK (KM/H)
OVER FACING POINTS HELD BY HAND	15	15
BETWEEN SOUTHERN CROSS AND WOLSELEY	40	LINE SPEED FOR TYPE OF TRAIN
ANAKIE LOOP AND MOORABOOL LOOP	25	LINE SPEED FOR TYPE OF TRAIN
EXCEPT AT MANOR LOOP, GHERINGHAP, WINGEEL LOOP, BERRYBANK LOOP, VITE VITE LOOP, TATYOON LOOP AND MAROONA	65	LINE SPEED FOR TYPE OF TRAIN
MURTOA AND DIMBOOLA PLATFORMS	N/A	40
LUBECK LOOP AND MURTOA LOOP PYRENEES LOOP, GREAT WESTERN LOOP, PIMPINIO LOOP, DIAPUR LOOP, AND LEEOR LOOP	65	LINE SPEED FOR TYPE OF TRAIN
<i>*REFER TO TABLE BELOW REGARDING EXIT SPEEDS AT THESE LOCATIONS.</i>		
LAVERTON – WOLSELEY		
LOCATION	EXIT SPEED	
DEEP LEAD LOOP, DIMBOOLA LOOP, SALISBURY LOOP AND KANIVA LOOP	AS PER SIGNAL INDICATION	
GHERINGHAP	35 KPH (BROAD GAUGE MOVE)	LINE SPEED (STANDARD GAUGE)
TATYOON LOOP	40 KPH (MELBOURNE END)	LINE SPEED
ANAKIE LOOP	DOWN END 70 KPH	LINE SPEED
MOORABOOL LOOP	UP END 70 KPH DOWN END 95 KPH	LINE SPEED
BARWON PARK LOOP, TOOLI LOOP	65KPH	LINE SPEED
WESTMERE	40KPH	LINE SPEED



## 7 D2 Significant Kilometre Markings

The following locations on the network have kilometre posts that change on the ground and do not follow the measured distance between kilometre posts:

Tottenham Junction to SA Border;

- Newport 10.700 km increasing to North Geelong 69 km decreasing.
- North Geelong 71 km increasing to Maroona 244.524 km decreasing.
- Maroona 244.000 km increasing to Ararat 265.344 km decreasing.
- Ararat 265.000 km increasing to Pyrenees 269.000 km decreasing.
- Pyrenees 215.000 km increasing to SA border 463.610 km decreasing.
- SA Border 463.610 equal to 313.209 decreasing to Adelaide.