

D14 Goobang Junction – Broken Hill

RAS DIRN Section Page

Applicability

ARTC Network Wide

SMS

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Amendments to the RAS are published at the following link

<https://www.artc.com.au/uploads/RAS-Amendment-Register-Master.xlsx>

All changes in this document are highlighted with this colour

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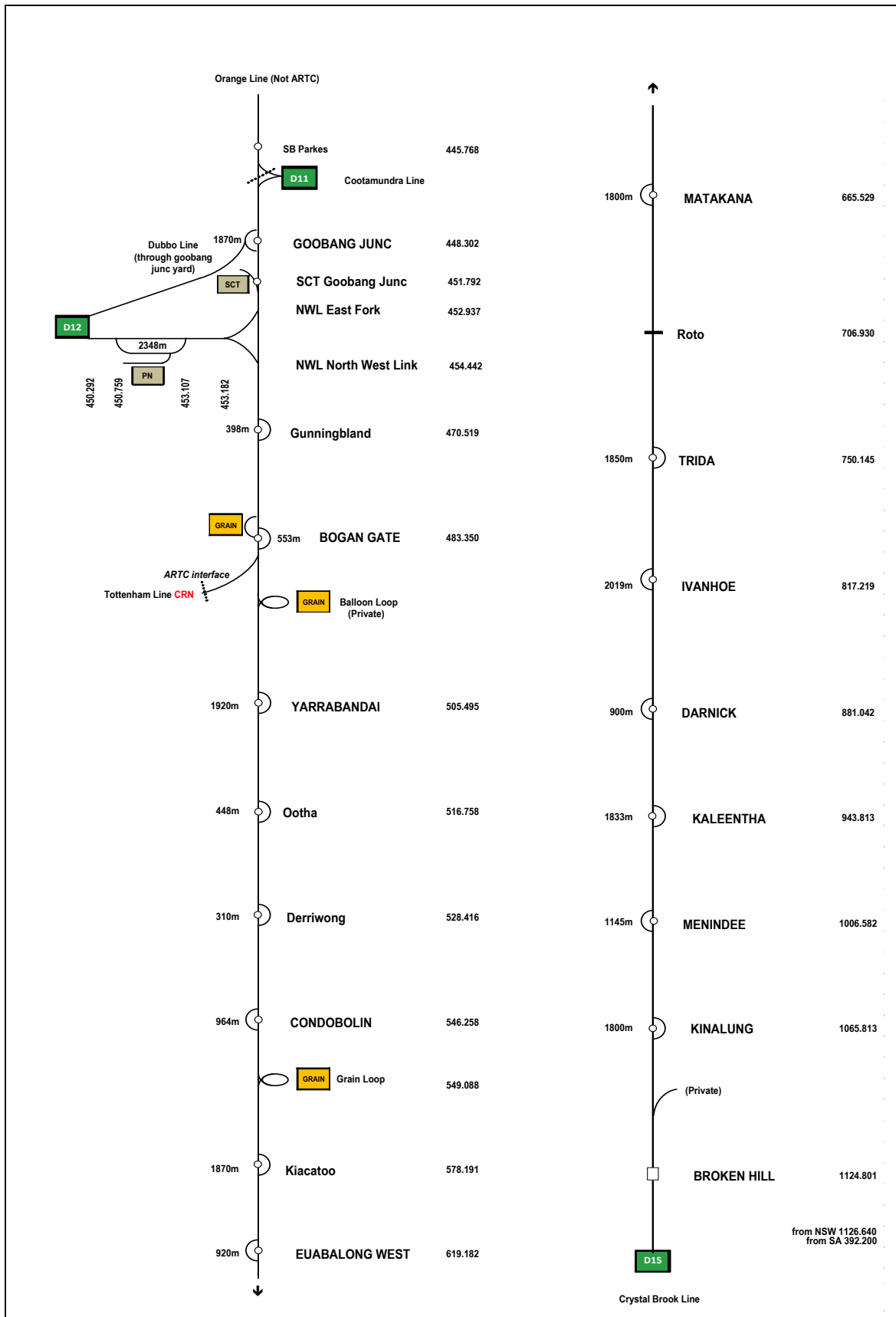
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1 Network Diagram

NB: These line maps are indicative only.



2 Route Capacity

PARKES – BROKEN HILL			
TRAIN TYPE	MAXIMUM SPEED	MAXIMUM AXLE LOAD (TONNES)	
	(KM/H)	LOCOS	WAGONS
FREIGHT	115	22.3	21
	100	22.8	23
	80	22.8	25
PASSENGER		LOCOS	CARRIAGES
XPT	145	N/A	N/A
XPLORER	145	N/A	N/A
DIESEL HAUL	115	19	19

Note: Route capacity applies where vehicle characteristics and conditions permit.

All new wagon configurations, operating at 25t @ 80kph must meet bridge loading requirements in General Information Section 2.5 Table 2.5.3 & Figure 2.5.1

Bogan Gate – Bogan Gate North 483.280 to 486.050 (CRN Tottenham Branch Interface)			
TRAIN TYPE	MAXIMUM SPEED	MAXIMUM AXLE LOAD (TONNES)	
	(KM/H)	LOCOS	WAGONS
FREIGHT	50	14.5	19
	30		20 (restriction on wagon class)
PASSENGER		LOCOS	CARRIAGES
XPT	50	N/A	N/A
XPLORER	50	N/A	N/A
DIESEL HAUL	50	14.5	19

Note: Route capacity applies where vehicle characteristics and conditions permit.

North West Link – Pacific National Yard (Parkes to Narromine Inland Rail)			
TRAIN TYPE	MAXIMUM SPEED	MAXIMUM AXLE LOAD (TONNES)	
	(KM/H)	LOCOS	WAGONS
FREIGHT	25 ¹	22.3	21
	25 ¹	22.8	23
	25 ¹	22.8	25
PASSENGER		LOCOS	CARRIAGES
XPT	N/A	N/A	N/A
XPLORER	N/A	N/A	N/A
DIESEL HAUL	N/A	N/A	N/A

Note: Route capacity applies where vehicle characteristics and conditions permit.

¹ 25km/h speed restriction until further commissioning of the line

3 Special Access Conditions

3.1 Out of Gauge Steel Trains

The following table outlines locations where crossings may be made as authorised.

LOCATION	CROSSING
BOGAN GATE	LOOP LINE
YARRABANDAI	LOOP LINE
CONDOBLIN	VIA NUMBER ONE GOODS SIDING
EUBALONG WEST	LOOP LINE
MATAKANA	LOOP LINE
TRIDA	LOOP LINE
IVANHOE	LOOP LINE
DARNICK	UP SIDING
KALEENTHA	LOOP LINE
MENINDEE	LOOP LINE
KINALUNG	UP SIDING

3.2 High Load Detector Parkes

High load detectors are provided at 447.350 km (East detector) and 450.580 km (West detector) and are used to detect loading that exceeds the height of 4.270 m.

The alarm for the high load detector is located in the Junee Network Control. If the alarm is activated, the Signaller must arrange for the train to be inspected by the Operator.

At no time must a wagon with loading exceeding 4.270 m in height be allowed to depart Parkes yard in the Up direction.

3.3 Operation of Double Stack Containers

The following list specifies locations between Goobang Junction and Broken Hill suitable for double stack containers.

All Main line track between Goobang Junction and Broken Hill is suitable for double stack operation.

LOCATION	TRACK	SUITABLE FOR DOUBLE STACK CONTAINERS
GOOBANG JUNCTION	LOOP LINE	YES
	SIDINGS	YES
GUNNINGBLAND	DOWN SIDING	NO
BOGAN GATE	LOOP LINE	YES
	UP SIDING	NO

LOCATION	TRACK	SUITABLE FOR DOUBLE STACK CONTAINERS
YARRABANDAI	UP SIDING	YES
	LOOP LINE	YES
OOTHA	DOWN SIDING	NO
DERRIWONG	DOWN SIDING	NO
CONDOBOLIN	DOWN SIDINGS	NO
	LOOP LINE	YES
KIACATOOO	DOWN SIDING	NO
EUBALONG WEST	UP SIDINGS	NO
MATAKANA	LOOP LINE	YES
TRIDA	LOOP LINE	YES
IVANHOE	LOOP LINE	YES
DARNICK	LOOP LINE	YES
	UP SIDING	YES
KALEENTHA	LOOP LINE	YES
MENINDEE	LOOP LINE	YES
KINALUNG	LOOP LINE	YES
BROKEN HILL	GOODS LOOP	YES
	SOUTH THROUGH ROAD	YES

4 Location of Speed Signs

GOOBANG JUNCTION TO BROKEN HILL

LOCATION	KILOMETRAGE	DOWN		UP	
		NORMAL	XPT	NORMAL	XPT
PARKES	445.505				
	445.707	-	-	40	40
	445.900	-	-	X25	X25
	446.160	70	70	40	40
GOOBANG JUNCTION	448.302				
<i>* refer to section page D12, Branch line to Dubbo through Goobang Junction Yard.</i>					
	448.320	110	110	70	70
	451.792	-	-	X25 (SCT yard)	-
*NWL East Fork	452.937	X25	-	-	-
	453.342	-	-	110	110
	453.417	115	145	-	-
	453.423		120		145
	453.523		145		120
*NWL North West Link	454.442	-	-	X25	-
	456.662		120		145
	456.762		145		120
	458.271		120		145
	458.371		145		120
	459.579		120		145
	459.679		145		120
	462.475		120		145
	462.575		145		120
	464.400	-	-	115	145
	464.475	115	120	-	-
GUNNINGBLAND	470.631				
	470.962	30 (WLO)	30 (WLO)		
	471.162	115	115	-	-
	472.859	-	-	115	120
	472.959	115	120	-	-
	480.580	-	-	115	115

LOCATION	KILOMETRAGE	DOWN		UP	
		NORMAL	XPT	NORMAL	XPT
	480.655	115	145	-	-
	481.697		120		145
	481.797		145		120
	482.200	115 (LX)	115 (LX)	-	-
BOGAN GATE	483.247				
(see below Bogan Gate to Bogan Gate North)	484.311	-	-	115 (LX)	115 (LX)
	486.902		120		145
	487.002		145		120
	490.412		120		145
	490.512		145		120
	494.421		120		145
	494.521		145		120
	499.881	-	-	115	145
	499.956	115	140	-	-
	500.622	115	145	-	-
	504.358	-	-	115	140
	504.558	-	-	30 (WLO)	30 (WLO)
YARRABANDI	505.495				
	513.612		120		145
	513.712		145		120
	513.876	-	-	115	145
	513.951	115	115	-	-
	515.670	-	-	115	115
	515.870	90	105	-	-
	517.345	115	115	90	105
OOTHA	517.403				
	525.512	-	-	115	120
	525.587	115	145	-	-
	526.547		120		145
	526.647		145		120
	528.579	-	-	60 (WLO)	60 (WLO)
DERRRIWONG	528.580				
	530.832		120		145
	530.932		145		120
	533.427		120		145

LOCATION	KILOMETRAGE	DOWN		UP	
		NORMAL	XPT	NORMAL	XPT
	533.527		145		120
	535.452	-	-	115	145
	535.527	115	120	-	-
	535.864	-	-	115	120
	535.939	115	135	-	-
	539.424	115	115	-	-
	540.267	-	-	115	135
	540.367	115	120	-	-
	541.373	-	-	115	115
	541.445	115	130	-	-
	542.714		120		130
	542.814		130		120
	544.023	85	85	-	-
	544.473				130
	544.573				120
	545.230	60	65	115	130
CONDOBLIN	546.258				
	546.750	-	-	60	65
	547.160	115	115	-	-
	549.038				145
	549.045	-	-	115	120
	549.138	115	145	-	120
	552.558		120		145
	552.658		145		120
	555.395		120		145
	555.495		145		120
	559.881		120		145
	559.981		145		120
	565.011		120		145
	566.111		145		120
	571.150		120		145
	571.250		145		120
KIACATOO	578.108				
	578.710		120		145
	578.810		145		120

LOCATION	KILOMETRAGE	DOWN		UP	
		NORMAL	XPT	NORMAL	XPT
	589.484	-	-	80 (LX)	80 (LX)
	591.303		120		145
	591.403		145		120
	595.468		120		145
	595.568		145		120
	618.179		120		145
	618.279		145		120
	618.456	115 (LX)	115 (LX)	-	-
EUBALONG WEST	619.182				
	620.560	-	-	115 (LX)	115 (LX)
	633.070	-	-	115	145
	633.580	105	115	-	-
	634.045	-	-	105	115
	634.550	115	145	-	-
	635.882		120		145
	635.982		145		120
	664.745	115(LX)	115(LX)	-	-
MATAKANA	665.860				
	666.930	-	-	115(LX)	115(LX)
ROTO	706.980	-	-	-	-
	707.190		120		145
	707.290		145		120
	721.540		120		145
	721.640		145		120
	749.800	70	70	115	115
	750.700	115	145	70	70
TRIDA	751.482	-	-	-	-
	815.273	115	115		
	816.048			115	145
IVANHOE	817.219				
	818.985	115	145		
	819.400	-	-	115	115
	827.455		120		145
	827.555		145		120
	858.736		120		145

LOCATION	KILOMETRAGE	DOWN		UP	
		NORMAL	XPT	NORMAL	XPT
	858.836		145		120
	864.107		120		145
	864.207		145		120
	866.763		120		145
	866.863		145		120
DARNICK	880.663				
	880.680		120		145
	880.780		145		120
	882.575		120		145
	882.675		145		120
	887.040	115	130	115	145
	887.851	115	145	115	130
	899.778		120		145
	899.878		145		120
	902.071	115	130	115	145
	902.481	115	145	115	130
	909.652		120		145
	909.752		145		120
	917.357		120		145
	917.457		145		120
	927.455		120		145
	927.555		145		120
	934.000	115	135	115	145
	934.500	115	145	115	135
	942.900	60	65	115	145
	944.100	115	145	60	65
KALEENTHA	944.925				
	951.595		120		145
	951.695		145		120
	985.655	-	-	115	145
	986.730	115	135	-	-
	987.646	-	-	115	135
	987.746	115	145	-	-

LOCATION	KILOMETRAGE	DOWN		UP	
		NORMAL	XPT	NORMAL	XPT
	987.750		120		145
	987.850		145		120
	991.912	-	-	115	145
	991.987	115	125	-	-
	992.924	115	145	-	-
	994.766		120		125
	994.866		145		120
	995.283	115	125	-	-
	995.826	-	-	115	125
	995.901	115	145	-	-
	1001.637	-	-	115	145
	1001.712	115	120	-	-
	1004.623				125
	1004.723				120
	1005.725	-	-	115	125
	1005.740	30	60	-	-
MENINDEE	1006.582				
	1006.860	-	-	30	60
	1006.960	80	85	-	-
	1007.570	-	-	80	85
	1007.990	115	115	-	-
	1009.069	-	-	115	145
	1009.169	115	145	-	-
	1010.102	-	-	115	115
	1011.141		120		125
	1011.167		145		120
	1011.241	-	-	115	145
	1011.242	115	125	-	-
	1012.209	-	-	115	125
	1012.284	115	145	-	-
	1019.115		120		145
	1019.215		125		120
	1023.442	115 (LX)	115 (LX)	-	-
	1025.092	-	-	115 (LX)	115 (LX)
	1035.120		120		145

LOCATION	KILOMETRAGE	DOWN		UP	
		NORMAL	XPT	NORMAL	XPT
	1035.220		145		120
	1061.634		120		145
	1061.734		125		120
	1062.650		120		145
	1062.750		125		120
KINALUNG	1065.502				
	1068.796		120		145
	1068.896		125		120
	1095.883	-	-	115	145
	1095.958	115	125	-	-
	1097.230	-	-	115	125
	1097.241		120		
	1097.341		125		
	1097.610	70	80	-	-
	1109.780	115	120	-	-
	1110.100	-	-	70	80
	1118.393	115	115	-	-
	1119.168	-	-	115	120
	1120.043	-	-	115	115
	1120.280	70	70	-	-
	1123.986	40	40	70	70
BROKEN HILL	1124.801				
	1125.900	X25	X25	-	-
	1126.050	-	-	X25	X25
	1126.650	-	-	40	40

BOGAN GATE to ARTC/CRN INTERFACE

LOCATION	KILOMETRAGE	DOWN		UP	
		NORMAL	XPT	NORMAL	XPT
BOGAN GATE	483.247				
		50	50	50	50
ARTC/CRN INTERFACE	486.017				

ACRONYM	DESCRIPTION
LX	LEVEL CROSSING SIGN *
WLO	WHEN LOOP OCCUPIED

**As per ARTC Permanent Safe Notice 019-2004.*