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D14 Goobang Junction – Broken Hill

RAS DIRN Section Page

Applicability

ARTC Network Wide

SMS

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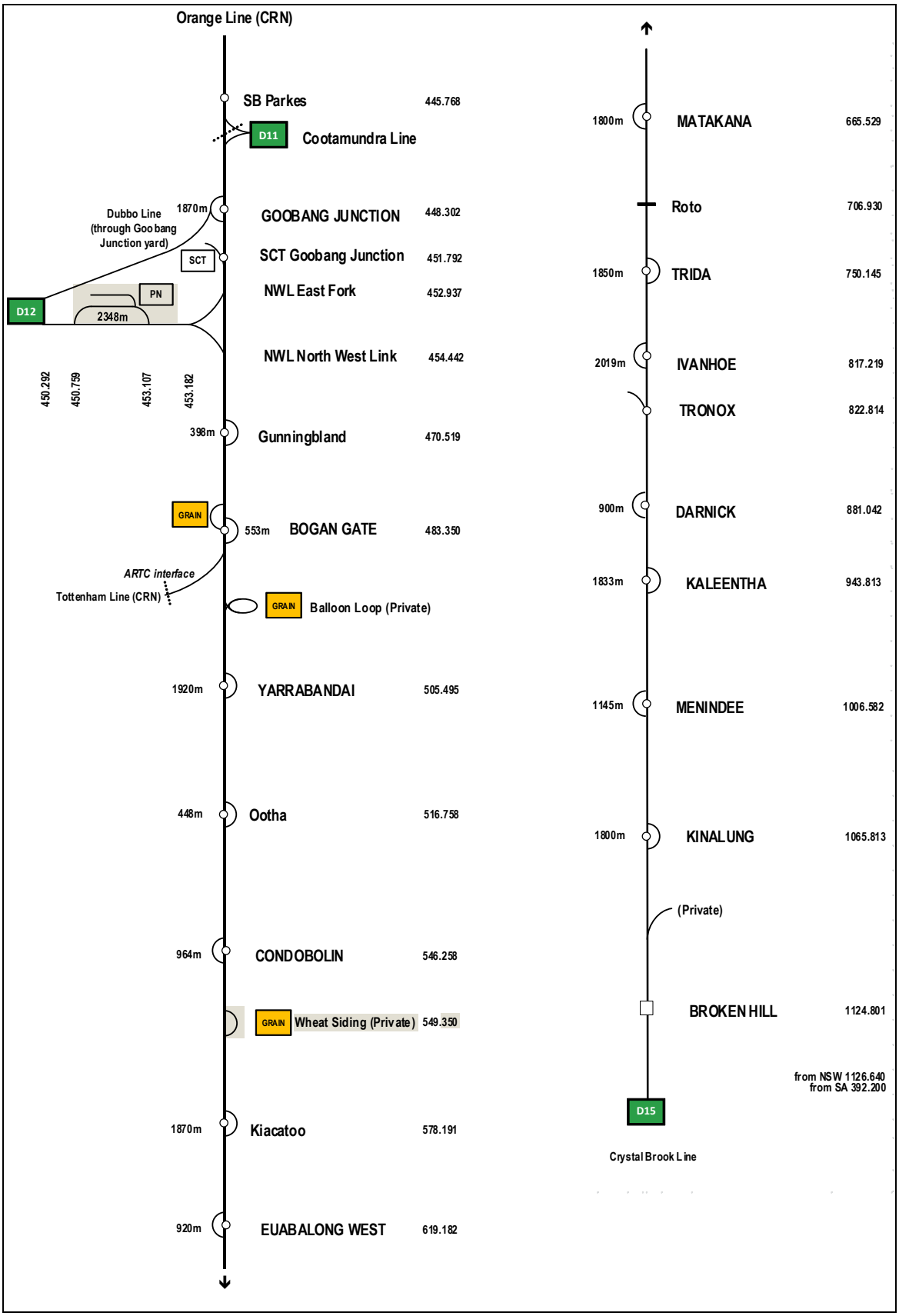
1 Network Diagram

Note: These line maps are indicative only. For detailed diagrams, refer to relevant Network Information Book.



2 Route Capacity

NOTES TO BE READ IN CONJUNCTION WITH ROUTE CAPACITY TABLES BELOW

Route capacity applies where vehicle characteristics and conditions permit.

Express speeds are for passenger train types that are approved to run to "Express Speed Boards" by the ARTC Network Rules only (i.e. XPT, Xplorer, etc).

For all other passenger trains:

a. Freight locomotive speed limits apply for diesel locomotive hauled passenger trains.

b. Freight wagon speeds apply where freight wagons are marshalled as part of the train.

c. DMU and rail motors are to adhere to carriage axle loads.

GOOBANG JUNCTION – BROKEN HILL			
TRAIN TYPE	**MAXIMUM SPEED (KM/H)**	**MAXIMUM AXLE LOAD (TONNES)**	
FREIGHT		**LOCOS**	**WAGONS**
	115	22.8 (up to 134t GVM)	21
	100	22.8 (up to 134t GVM)	21
	80	22.8 (up to 134t GVM)	25
PASSENGER		**LOCOS**	**CARRIAGES**
EXPRESS	145	N/A	19
LOCO HAULED	115	22.8 (up to 134t GVM)	19
(Includes non-express DMU and rail motors)			

BOGAN GATE – BOGAN GATE NORTH 483.280 TO 486.050 (CRN TOTTENHAM BRANCH INTERFACE)			
TRAIN TYPE	**MAXIMUM SPEED (KM/H)**	**MAXIMUM AXLE LOAD (TONNES)**	
FREIGHT		**LOCOS**	**WAGONS**
	50	14.5	19
	30		20 (restriction on wagon class)
PASSENGER		**LOCOS**	**CARRIAGES**
EXPRESS	50	N/A	19
LOCO HAULED	50	14.5	19
(Includes non-express DMU and rail motors)			

NORTH WEST LINK – PACIFIC NATIONAL YARD (PARKES TO NARROMINE INLAND RAIL)			
TRAIN TYPE	**MAXIMUM SPEED (KM/H)**	**MAXIMUM AXLE LOAD (TONNES)**	
FREIGHT		**LOCOS**	**WAGONS**
	25*	22.8 (up to 134t GVM)	21
	25*	22.8 (up to 134t GVM)	23
	25*	22.8 (up to 134t GVM)	25
PASSENGER			
	N/A	N/A	N/A
ADDITIONAL NOTE APPLICABLE NORTH WEST LINK – PACIFIC NATIONAL YARD (PARKES TO NARROMINE INLAND RAIL)			
** 25km/h speed restriction until further commissioning activities have been completed.*			

3 Special Access Conditions

3.1 Out of Gauge Steel Trains

Where out of gauge movements are approved, the following table outlines locations where crossings may be made as authorised.

LOCATION	CROSSING
BOGAN GATE	LOOP LINE
YARRABANDAI	LOOP LINE
CONDOBOLIN	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 Goobang Junction (Parkes)

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

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 4.270m 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 / unsuitable for double stack containers that are configured to meet Plates F2 in accordance with Route Access Standard – Appendix A Rolling Stock Outlines and Loading Requirements.

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

LOCATION	TRACK	SUITABLE FOR DOUBLE STACK CONTAINERS
PARKES NORTH WEST LINK *(Duplicated in adjoining D12 section page)*	BRANCH LINE	YES
	SIDING	YES

LOCATION	TRACK	SUITABLE FOR DOUBLE STACK CONTAINERS
GOOBANG JUNCTION *(Duplicated in adjoining D12 section page)*	LOOP LINE	YES
	SIDINGS	YES
GUNNINGBLAND	DOWN SIDING	**NO**
BOGAN GATE	LOOP LINE	YES
	UP SIDING	**NO**
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
	GOODS LINE	YES
	SOUTH SIDING	YES
	SOUTH THROUGH ROAD	YES
	NORTH THROUGH ROAD	YES
	PASSENGER PLATFORM	YES - Passenger Platform, reduce speed to 25km/h

4 Permanent Speed Restrictions

GOOBANG JUNCTION - BROKEN HILL					
LOCATION	**KILOMETRAGE**	**DOWN**		**UP**	
		NORMAL	**EXPRESS**	**NORMAL**	**EXPRESS**
PARKES	445.505				
	445.707			40	40
	445.900			X25	X25
	446.160	70	70	40	40
GOOBANG JUNCTION	448.302				
	448.320	110	110	70	70
** refer to section page D12, Branch line to Dubbo through Goobang Junction Yard.*	451.792			X25 (SCT yard)	
*NWL East Fork	452.921	X25 (AA PTS)		110	
	452.935			110	
	453.342			110	110
	453.417	115	145		
	453.423		120		145
	453.523		145		120
*NWL North West Link	454.442			X25	
	454.445	115			
	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		

GOOBANG JUNCTION - BROKEN HILL					
LOCATION	**KILOMETRAGE**	**DOWN**		**UP**	
		NORMAL	**EXPRESS**	**NORMAL**	**EXPRESS**
	472.859			115	120
	472.959	115	120		
	480.580			115	115
	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
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
DERRRIWONG	528.580				
	530.832		120		145

GOOBANG JUNCTION - BROKEN HILL					
LOCATION	KILOMETRAGE	DOWN		UP	
		NORMAL	EXPRESS	NORMAL	EXPRESS
	530.932		145		120
	533.427		120		145
	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
CONDOBOLIN	546.258				
	546.750			60	65
	547.160	115	115		
	~~549.038~~				~~145~~
	549.075			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

GOOBANG JUNCTION - BROKEN HILL					
LOCATION	**KILOMETRAGE**	**DOWN**		**UP**	
		NORMAL	**EXPRESS**	**NORMAL**	**EXPRESS**
KIACATOO	578.108				
	578.710		120		145
	578.810		145		120
	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		

GOOBANG JUNCTION - BROKEN HILL					
LOCATION	**KILOMETRAGE**	**DOWN**		**UP**	
		NORMAL	**EXPRESS**	**NORMAL**	**EXPRESS**
	819.400			115	115
	822.820			X25	
Tronox Mine Siding	827.455		120		145
	827.555		145		120
	858.736		120		145
	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

GOOBANG JUNCTION - BROKEN HILL					
LOCATION	**KILOMETRAGE**	**DOWN**		**UP**	
		NORMAL	**EXPRESS**	**NORMAL**	**EXPRESS**
	985.655			115	145
	986.730	115	135		
	987.646			115	135
	987.746	115	145		
	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		

GOOBANG JUNCTION - BROKEN HILL					
LOCATION	**KILOMETRAGE**	**DOWN**		**UP**	
		NORMAL	**EXPRESS**	**NORMAL**	**EXPRESS**
	1019.115		120		145
	1019.215		125		120
	1023.442	115 (LX)	115 (LX)		
	1025.092			115 (LX)	115 (LX)
	1035.120		120		145
	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
	1126.640			40	40

Note: Speeds from 1123.986 to 1126.640 are referenced in Section Page D15 Broken Hill to Crystal Brook. This is the source document for these locations.

BOGAN GATE - ARTC/CRN INTERFACE					
LOCATION	**KILOMETRAGE**	**DOWN**		**UP**	
		NORMAL	**EXPRESS**	**NORMAL**	**EXPRESS**
BOGAN GATE	483.247				
		50	50	50	50
ARTC/CRN INTERFACE	486.017				

ACRONYM	DESCRIPTION
LX	LEVEL CROSSING SIGN
WLO	WHEN LOOP OCCUPIED