

Impact of Metropolitan Network Constraints on West Moreton Network Capacity

May 2015



QueenslandRail

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1. Purpose of assessment

As part of its 2015 DAU, Queensland Rail has proposed that, consistent with previous practice, a reduction will be applied to the allocation of pre-1995 asset values to coal services to reflect the impact on West Moreton Network capacity due to Metropolitan Network constraints.

This Appendix sets out details of the methodology used by Queensland Rail to determine this capacity impact.

2. Methodology for calculating capacity impact

There is general consensus from stakeholders that the most appropriate way to assess the impact of the Metropolitan Network is to analyse the capacity of the West Moreton Network with and without the constraints imposed by passenger services in the Metropolitan Network.

Capacity assessments can be undertaken based on either a theoretical or an operational view of capacity. The theoretical capacity of a rail line reflects the maximum number of train paths that can be scheduled on the railway (which can be assessed either before or after allowance is made for maintenance closures), while the operational capacity of the rail line takes account of the fact that a robust rail system will not operate train services on all available paths given the need to maintain some 'reserve paths' to recover from operational variability and unplanned events.

Historically, Queensland Rail has sought to assess the extent to which metropolitan constraints influenced West Moreton Network capacity based on analysis of time periods where coal and freight services were restricted from operations through the Metropolitan Network. However, given the level of debate about the reasonableness of Queensland Rail's assessment of the times that coal and freight services could not operate, Queensland Rail has altered its approach to a detailed path based assessment, which focuses on identifying the specific paths that are able to be scheduled through the Metropolitan Network. However, when undertaking this type of path based analysis, trying to assess the specific impact on operational capacity is problematic, as it is not possible to definitively identify whether certain paths are scheduled as unused due to Metropolitan Network constraints or whether they are held in reserve to ensure operational robustness of the West Moreton Network. In fact, it is Queensland Rail's view that, from an operational perspective, the real impact of the metropolitan constraints is negligible, as the paths that are sterilised due to the Metropolitan Network can effectively be used as the reserve paths (noting that reserve paths would still be required regardless of the Metropolitan Network constraints).

The QCA's consultant, B&H, noted that the most robust way of assessing the capacity impact of the Metropolitan Network would be through undertaking dynamic simulation, extended over a long period. However, noting that this form of analysis is not currently available, considered that the most rigorous available approach is to assess the impact of the Metropolitan Network on the theoretical capacity of the West Moreton Network – that is, the maximum number of train paths that can be scheduled on the railway.

Queensland Rail notes that dynamic simulation can be very useful in confirming operating capacity. In the context of the central Queensland network, where train services operate on a cyclic basis with substantial daily variation in train origins and destinations, we believe that



dynamic simulation is essential in assessing operating capacity. However, in a timetabled system – such as the Metropolitan and West Moreton Networks – the role of dynamic simulation is more to test the robustness of the timetable given reasonably anticipated operational variability. In this context, Queensland Rail is very confident that its timetable, including the identified paths through the Metropolitan Network for coal and freight trains, is robustly operable. This simply reflects that Queensland Rail has been operating to this timetable for a significant time period. As a result, while dynamic simulation may provide some additional support for Queensland Rail's assessment of operational capacity, Queensland Rail does not think that it is essential in order to demonstrate the capacity impact of Metropolitan Network constraints.

Further, the QCA's consultant B&H has advised Queensland Rail that it is satisfied that a theoretical capacity analysis will be an acceptable approach to demonstrate the capacity impact on the West Moreton Network.

In the QCA's consultation on this issue, stakeholders have expressed a range of views on the extent to which the Metropolitan Network limits the available capacity on the West Moreton Network, however little evidence has been provided to support their assertions. Therefore, for the 2015 DAU, Queensland Rail has prepared a range of train diagrams in order to unequivocally demonstrate the extent to which the Metropolitan Network constrains West Moreton Network theoretical maximum capacity.

2.1 Theoretical capacity

The theoretical capacity of the West Moreton Network (excluding Metropolitan Network impacts) is assessed based on a rounded 30 minute run time for the longest section. While the precise running time of the longest section on the Toowoomba range is 26.5 minutes, given the variability in speed profiles of trains, it is considered that a scheduling interval of 30 minutes reflects a realistic and practical approach. This remains unchanged from Queensland Rail's previous analyses, and was accepted as the appropriate approach by the QCA's consultant, B&H.¹

This gives a maximum number of one way paths that can be scheduled on the West Moreton Network in a 24 hour period as 48, with a maximum of 336 one way paths able to be scheduled in a one week period. This is demonstrated on Figure 1, which illustrates the 48 one way paths (24 loaded and 24 unloaded) that are available on the West Moreton Network alone over 24 hours. (Note, the diagram shows the available paths from Fisherman Islands to Toowoomba, as these are the critical areas of the route from a capacity planning perspective.)²

¹ B&H Report for consultation paper, Appendix 3,

² Note, all train diagrams shown in this Appendix can be separately provided as high resolution PDF documents on request.





Weekday Capacity without Metro Passenger services

To be deducted from this is the paths that are eliminated due to the closure of the track for maintenance or capital works. From a capacity planning perspective, Queensland Rail considers that 19 hours per week is a reasonable expectation of the track possessions required for maintenance in the West Moreton Network. Queensland Rail notes that this assumption was accepted by the QCA's consultant, B&H.

Based on this, the theoretical capacity (after maintenance) of the West Moreton Network is:

	· · ·
	One-way paths/week
West Moreton total theoretical capacity	336
West Moreton maintenance closures	38
West Moreton theoretical capacity (after mtce)	298

 Table 1
 West Moreton theoretical capacity (after maintenance)

2.2 Passenger peak period impacts

The Metropolitan Network operates as a timetabled system, so it is a reasonably straightforward process to assess the number of paths that Queensland Rail can theoretically schedule on the West Moreton Network and then overlay this onto the passenger timetable to assess which paths are unable to be used due to conflicts with metropolitan passenger peaks.

Figure 2 shows that, based on the current weekday passenger timetable, there are 42 one way paths (21 loaded and 21 unloaded) that can be scheduled over the West Moreton Network each day including linkages to/from Port of Brisbane. This reflects a loss of 3 loaded and 3 unloaded paths, due to the inability to link West Moreton paths with a continuous path through the Metropolitan Network. Of these, 2 loaded and 1 unloaded paths are lost in the morning peak period and 1 loaded and 2 unloaded paths lost in the evening peak period. This diagram confirms the analysis described in Queensland Rail's response to the QCA's 2014 consultation paper, which concluded that only 3 loaded and 3 unloaded services per weekday were unable to operate due to conflicts with timetabled passenger services.



This diagram demonstrates that, notwithstanding the concerns identified by New Hope in relation to the effect of the mobilisation of passenger trains before and after the peak periods, the 'shoulder' periods do not prevent the scheduling of West Moreton services through the Metropolitan Network. Therefore, New Hope's claims that the length of the peak periods should be extended to include the time required for fleet mobilisation are unfounded.

Further, the diagram shows that, although at times, the time period between trains may vary by more or less than an hour (particularly through the Metropolitan Network), contrary to the concern raised by B&H in its report to the QCA, this variability does not in fact cause an overall loss in available paths. While it is vital that, at the critical section, trains running in the same direction operate at an interval of one hour, this interval does not need to be perfectly maintained along all sections of their journey. It may be the case that one train is delayed at some point in its journey, but the following train is not delayed at the same point, meaning that the subsequent train will then be running at a closer interval. Provided that all trains are able to operate on a linked path through the West Moreton and Metropolitan Networks, then variability in train intervals does not in itself cause a loss in theoretical capacity.

Figure 3 shows that, based on the Saturday passenger timetable, the full 48 West Moreton Network paths can be scheduled through the Metropolitan Network on a standard weekend day. The Sunday passenger timetable includes some further reduction in passenger services, and similarly allows for the full 48 West Moreton Network paths to be scheduled.³

³ The Sunday train diagram can be provided to the QCA on request



Figure 3 Available capacity on West Moreton Network with metropolitan passenger services (Saturday timetable)

² Saturday Capacity Diagram with Metro Passenger

As can be seen from these diagrams, over the period of a week, the reductions to theoretically available paths due to scheduling conflicts with passenger services are 15 loaded and 15 unloaded paths per week, giving a total loss of 30 one way paths.

Consistent with this analysis of theoretical capacity, in the operational environment Queensland Rail does schedule a limited number of coal and freight services to operate during the morning and afternoon peak periods. Figures 4 and 5 show Queensland Rail's current MTP train schedule for two consecutive days (Wednesdays and Thursdays). It can be seen that, on Thursdays, Queensland Rail schedules a coal service on the TF27 path during the afternoon peak. On Wednesdays, Queensland Rail schedules a loaded coal service on the TF01 path, just prior to the morning peak. While Queensland Rail does not routinely schedule empty coal services on the FT12 path through the morning peak, this can occur if required. Further, this path is certainly used in the event that a train scheduled on the earlier path is delayed – that is, it is treated primarily as a reserve path retained for operational robustness.





MTP effective from 16 March 2015

Wed Week ABCD



Figure 5 Current Thursday Master Train Plan



MTP effective from 16 March 2015

Thu Week ABCD

It is also interesting to note from these diagrams that, for the major coal customer on the West Moreton Network, the primary scheduling constraint is actually the train loading facility. As can be seen in the MTP diagrams, given the time required for train loading, the Metropolitan Network peak hour restrictions do not cause any 'shadow' reduction in utilisation of this loading facility.

2.3 Maintenance impacts

Four years ago, the track closure regime in the Metropolitan Network was substantially revised in order to maximise Queensland Rail's productive access to the track in order to undertake necessary maintenance work while minimising the impact on passenger services. As a result, Queensland Rail has replaced its previous regime of regular short closures of individual track segments with less regular, but longer closures of full corridors within the Metropolitan Network. Queensland Rail now fully closes one corridor within the Metropolitan Network for 48 hours approximately every second week, with each corridor closed on 1-4 weekends each year. However, due to the need for West Moreton train services to traverse multiple corridors, this track closure regime results in access to a continuous path from Rosewood to Port of Brisbane being unavailable for a 48 hour weekend closure approximately each fourth week.

The maintenance closure program for the West Moreton Network, over a four week cycle, is as follows:

- Week A 48 hour closure on Saturday and Sunday
- Week B no maintenance possessions
- Week C 12 hour closure on Sunday
- Week D 12 hour closure on Monday

While the order in which the Week A-D closures occur is not rigidly applied, Queensland Rail ensures that, over time, an even number of Weeks A, B, C and D occur. This is evidenced by the Western Corridor Alignment Calendars which identify the closure regime applied each week – these are provided at Attachment 1(actual planned - Sep-Dec 2014) and 2 (planned – April 2014-Dec 2015).

Week A closures are the critical issue in terms of alignment between the West Moreton and Metropolitan Networks. Week C and D closures are required for West Moreton maintenance alone, and do not typically correspond with metropolitan closures (although at times some track closures will occur on the Metropolitan Network in C Weeks, given the absence of coal and freight trains).

Queensland Rail's Supply Chain South and Network SEQ groups strategically plan their maintenance and capital works activities through the SCAS (Scheduled Corridor Access System) co-ordination forum up to 18 months in advance to ensure that 'Week A' closures of the West Moreton Network and the relevant weekend Metropolitan Network closures are complementary. This is demonstrated by the Western Corridor Alignment Calendars shown at Attachments 1 and 2. These calendars show that every Metropolitan Network weekend closure affecting West Moreton trains is matched by a Week A closure on the West Moreton Network.

Some maintenance work does continue to be done in both the West Moreton and Metropolitan Networks outside the standard Week A-D and weekend corridor closures. However, where work is being undertaken in the Metropolitan Network, careful planning ensures that this work is



undertaken in such a way as to leave a track open to continue to run West Moreton services (potentially under speed restriction or on an Alternate Proceed Authority which would result in some delays but no cancellations).

Co-ordination of closures and maintenance activities continues as the closure dates approach. Any potential change to planned closures sought for either the West Moreton or Metropolitan Networks needs to be reviewed by both groups, with changes only implemented if agreed. This occurs through regular meetings of the SCAS co-ordination group (SCAS COG). Minutes of the February 2015 meeting are provided at Attachment 3, as an example of the outcomes of this process. These minutes show the extent to which the groups plan their capital and maintenance work to fit within the available closures. They also show that requests for variation to closures will not proceed unless acceptable to both groups – for example, at the February 2015 meeting, a request for a change to a metro weekend closure was rejected as it would result in two 'A week' closures on the West Moreton Network in July 2015.

In order to demonstrate how this process translates to actual closures, Queensland Rail has provided the SCAS calendar for the period August-December 2014 as Attachment 4. This shows the planned track closures in the metropolitan region, and from this it can be seen how the weekend closures affecting the West Moreton services (Western Corridor, Gold Coast Line and Cleveland Line) line up with the 'A Weeks' (as the freight closure program is identified at the top of the calendar). Some additional full closures of the metropolitan Western Corridor occurred on 'C weeks' (eg 28 September 2014), which aligned with the pre-existing closure of the West Moreton Network. It can also be seen that other planned maintenance works on the relevant corridors are done in such a way as to allow continued operation of coal and freight services (eg weeknight closures of the Western Corridor from 8-12 September 2014). Maintenance work that occurs outside the planned SCAS closures is minor routine work and is generally done in available natural windows, hence does not cause cancellation of trains.

As noted by B&H, maintenance work in the West Moreton Network is generally done in daylight hours. Therefore, theoretically the West Moreton Network could operate with two 12 hour closures on a single weekend, rather than a 48 hour closure. However, Queensland Rail uses these longer closures to maximise its productivity in performing work that takes multiple days to perform. If Queensland Rail were to reinstate the track for night time running, this would reduce the time available for maintenance (as it would need to remove all equipment and reinstate the track for safe travel) meaning that further closures would subsequently be required to complete the work.

Queensland Rail does acknowledge, however, that it typically will only require a 36 hour closure to perform these works (Saturday morning to Sunday evening) rather than the full 48 hour closure applied in the Metropolitan Network. This resulting standard closure regime for the West Moreton Network (with one 36 hour closure and two 12 hour closures each week) comfortably fits within the planning allowance of 19 hours per week, and allows some additional margin for where closures in excess of the standard allowance are required.

The extension of the weekend closure by an additional 12 hours once each four weeks can therefore be attributable to Metropolitan Network maintenance requirements in excess of West Moreton maintenance requirements. This equates to an average of 3 hours per week of additional closures triggered by the Metropolitan Network, which in turn impacts on an average of 6 one way paths per week. This impact is demonstrated in Attachment 5 which shows the



additional paths that could be operated in the West Moreton Network over the Saturday-Monday period under a 36 hour closure.

2.4 Summary of total impact

The total impact of metropolitan peak periods and additional Metropolitan Network maintenance on the theoretical capacity of the West Moreton Network can be summarised as follows:

 Table 2
 Impact of Metropolitan Network constraints on West Moreton Network theoretical capacity

	One-wa	y paths/week
West Moreton theoretical capacity (after mtce)		298
Unavailable due to Metropolitan Network		36
Peak periods restrictions	30	
Additional metropolitan maintenance	6	
Total available paths (after metro impact)		262
% Unavailable due to metro impact		12.1%

Queensland Rail notes that, when B&H performed its analysis of Metropolitan Network constraints for the QCA's 2014 Consultation Paper, it applied a similar analysis to that described here. However, that analysis contained some errors (eg, B&H assessed the total theoretical capacity of the West Moreton Network as 326 rather than 336). There were also some incorrect assumptions – in particular, B&H's assumption of only 60% overlap between the metropolitan and West Moreton Network closures). In addition, B&H made a final adjustment in order to reflect Queensland Rail's assessed 'inefficiency' in the use of operational (rather than theoretical) capacity.

As discussed previously, operational capacity (that is, the capacity that Queensland Rail considers can reliably be provided after allowing for operational variability) is invariably less than theoretical capacity, as some paths need to be held as 'reserve paths' to ensure robust system operation. In the West Moreton Network, this allowance is as follows:

Table 3	West Moreton	Network operating	capacity
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	One-way paths/week
West Moreton theoretical capacity (after mtce)	298
Unavailable due to Metropolitan Network	36
Total available paths (after metro impact)	262
Maximum contracting capacity ⁴	224
Additional reserve paths (total available less	38
maximum contracting capacity)	

Retention of a level of reserve capacity to manage operational variability is universally applied by railway managers, and reflects good industry practice in order to ensure that the railway has sufficient capacity to reliably meet contracted entitlements. This should not be seen as an inefficiency in Queensland Rail's capacity management.

⁴ As discussed in Queensland Rail's submission on the West Moreton reference tariff, Queensland Rail's maximum contracting capacity on the West Moreton Network is 112 return paths per week or 224 one way paths per week.



In B&H's analysis though, it appears to be mixing the concepts of theoretical and operational capacity, as while it describes is assessment as based on theoretical capacity, it has increased the assessed % impact on theoretical capacity to reflect the difference (in % terms) between theoretical and operational capacity – which B&H refers to as an inefficiency factor. This causes B&H's final assessed impact of the Metropolitan Network to be higher than its assessed impact on theoretical capacity. Queensland Rail considers that there is neither logic nor justification for this approach.

As a result, Queensland Rail has assessed the impact on West Moreton Network theoretical capacity due to Metropolitan Network constraints as being 12.1%.

As noted previously, it is Queensland Rail's view that, from an operational perspective, the real impact of the metropolitan constraints is less than this – indeed negligible - as the paths that are sterilised due to the Metropolitan Network can still effectively be used as reserve paths (noting that reserve paths would still be required regardless of the Metropolitan Network constraints).

Notwithstanding this, Queensland Rail proposes to reduce the allocation of pre-1995 assets to coal services to reflect the assessed 12.1% impact on theoretical capacity.

Attachment 1: Western Corridor Alignment Calendar – Sep-Dec 2014



WEEK TYPE A = 48 HRS SAT/SUN	N 48 Hour Closures					
B = NIL POSSESSION	Conflicts		ISION Conflicts			
C = 12 HRS SUN	Maintenance Time Available		Western Coal Supply Chain			
D = 12 HRS MON	Recent C	Changes / Additions				
			Wes	stern Corridor Alignment Calendar	2014	
				0		
NB: Only includes TOTAL CLOSUR	ES Corinda to	Roma Street			Last updated 26/08/14	
Weekend	Week Type	Times	Location	Western	Suburban	
SAT 30/08/2014	С					
		0630 Sun - 1730 Sun 0630 Sun - 1730 Sun	Oakey - Jondaryan Coal Siding Grandchester - Laidley	Re-Conditioning		
SUN 21/09/2014	6	0630 Sun - 1730 Sun	Toowoomba Brook Street	Signals		
SUN 31/06/2014	L L	0630 Sun - 1700 Sun	Helidon - Lockyer	Bridge Maintenance		
		0700 Sun - 1700 Mon	Tycanba - Macalister	Formation		
		0630 Mon - 1730 Mon	Murphy's Creek - Rangeview	General Maintenance		
		0700 Sun - 1700 Mon	Tycanba - Macalister	Formation		
MON 01/09/2014	D	0630 Mon - 1700 Mon	Helidon - Lockyer	Bridge Maintenance		
		0800 Mon - 1200 Mon	Grantham Yard	Contractor		
		0930 Mon - 1330 Mon	Murphy's Creek - Rangeview	Bailasting		
SAT 06/09/2014	D					
					No taxin posted serviced is from 0400 to 0900 Clausland Line Shutdown Museuria	
SUN 07/09/2014	D				No train period required is from 0400 to 0800 Cleveland Line Shutdown - Multane	
	-					
		0630 Fri - 1730 Mon	Oakey - Jondaryan Coal Siding	Re-Conditioning		
		0630 Fri - 1730 Mon 0620 Fri - 1700 Mon	Spring Bluff - Rangeview	Re-Railing Re-Conditioning		
5140000044		0615 Fri - 1745 Mon	Dalby - Tycanba	Bridge Maintenance		
Fri 12/09/2014	A	0615 Fri - 1745 Mon	Tycanba - Baining	Bridge Maintenance		
		0600 Fri - 1800 Mon	Rangeview - Willowburn	Signals		
		0600 Fri - 1300 Sat	Forest Hill - Gatton	Bridge Construction	Fisherman Islanda Osal Halandar Olanum	
		0600 PTI - 0600 Tue	Ipswich Workshops - Gatton	TWRM Charter	risherman Islands Coal Onioader Closure	
		0630 Fri - 1730 Mon	Oakey - Jondaryan Coal Siding	Re-Conditioning		
		0630 Fri - 1730 Mon	Spring Bluff - Rangeview	Re-Railing		
		0630 Fri - 1700 Mon	Malu - Bowenville	Re-Conditioning		
SAT 13/09/2014	Δ	0615 Fri - 1745 Mon	Daiby - Lycanba Tycanba - Baining	Bridge Maintenance		
0.111 10.000.2011		0600 Fri - 1800 Mon	Rangeview - Willowburn	Signals		
		0700 Sat - 1700 Sat	Grantham - Helidon	Bridge Maintenance		
		0600 Fri - 1300 Sat	Forest Hill - Gatton	Bridge Construction		
		0600 Fri - 0600 Tue	Forest Hill - Gatton Fisherman Island	Bridge Construction	Fisherman Islands Coal Unloader Closure	
		0630 Fri - 1730 Mon	Oakey - Jondaryan Coal Siding	Re-Conditioning		
		0630 Fri - 1730 Mon	Spring Bluff - Rangeview	Re-Railing		
		0630 Fri - 1700 Mon	Malu - Bowenville	Re-Conditioning		
		0615 Fri - 1745 Mon 0615 Fri - 1745 Mon	Daiby - Tycanba Tycanba - Baining	Bridge Maintenance		
SUN 14/09/2014	A	0600 Fri - 1800 Mon	Rangeview - Willowburn	Signals		
		0700 Sun - 1700 Sun	Grantham - Helidon	Bridge Maintenance		
		1300 Sat - 2359 Mon	Forest Hill - Gatton	Bridge Construction		
		0700 Sun - 1700 Sun 0600 Eri - 0600 Tue	lpswich - Rosewood		Wulkuraka Stabling Yard O/H modification works / Resleepering	



		0630 Fri - 1730 Mon	Oakey - Jondaryan Coal Siding	Re-Conditioning	
		0630 Fri - 1730 Mon	Spring Bluff - Rangeview	Re-Railing	
		0630 Fri - 1700 Mon	Malu - Bowenville	Re-Conditioning	
MON 15/09/2014	B	0615 Fri - 1745 Mon	Dalby - Tycanba	Bridge Maintenance	
1011 10100/2014		0615 Fri - 1745 Mon	Tycanba - Baining	Bridge Maintenance	
		0600 Fri - 1800 Mon	Rangeview - Willowburn	Signals	
		1300 Sat - 2359 Mon	Forest Hill - Gatton	Bridge Construction	
		0600 Fri - 0600 Tue	Fisherman Island		Fisherman Islands Coal Unloader Closure
SAT 20/09/2014	в		Roma Street to Toowoomba	Carnival of Flowers - 20th to 27th September 2014	Roma Street to Toowoomba Services running 20th, 21st and 24th. Toowoomba to Spring Bluff twice daily 21/9 to 26/9 and once 27/9
3A1 20/03/2014					
SUN 21/09/2014			Roma Street to Toowoomba	Carnival of Flowers - 20th to 27th September 2014	Roma Street to Toowoomba Services running 20th, 21st and 24th. Toowoomba to Spring Bluff byice daily 21/8 to 26/9 and once 27/9
	в				
SAT 27/09/2014	с		Roma Street to Toowoomba	Carnival of Flowers - 20th to 27th September 2014	Roma Street to Toowoomba Services running 20th, 21st and 24th. Toowoomba to Spring Bluff twice daily 21/9 to 26/9 and once 27/9
		0630 Sun - 1730 Sun	Oakey - Jondaryan Coal Siding	Re-Conditioning	
SUN 29/00/2014	6	0700 Sun - 1700 Sun	Tycanba - Baining	Re-Conditioning	
SUN 20/09/2014	L L	0700 Sun - 1700 Sun	lpswich - Rosewood		Wulkuraka Stabling Yard O/H modification works / Resleepering
		0630 Mon - 1730 Mon	Murphy's Creek - Rangeview	General Maintenance	
MON 29/09/2014	D	0700 Mon - 1700 Mon	Warra - Brigalow	Re-Conditioning	
SAT 04/10/2014	D				
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SUN 05/10/2014	D				
MON 06/10/2014	Α			LABOUR DAY	
		0200 Sat - 0230 Mon	Corinda - Rosewood		Ipswich Line Shutdown
		0630 Sat - 1730 Sun	Oakey - Jondaryan Coal Siding	Re-Conditioning	
SAT 11/10/2014		0630 Sat - 1700 Sun	Malu - Bowenville	Re-Conditioning	
SAT 11/10/2014	A	0600 Sat - 1800 Sun	Grandchester Yard	Signals	
		0700 Sat - 1700 Sat	Grantham - Helidon	Bridge Maintenance	
		0600 Sat - 0600 Mon	Fisherman Island		Coal Unloader Closure
		0200 Sat - 0230 Mon	Corinda - Rosewood		Ipswich Line Shutdown
		0630 Sat - 1730 Sun	Oakey - Jondaryan Coal Siding	Re-Conditioning	
SUN 12/10/2014	A	0630 Sat - 1700 Sun	Malu - Bowenville	Re-Conditioning	
		0600 Sat - 1800 Sun	Grandchester Yard	Signals	
		0600 Sat - 0600 Mon	Fisherman Island		Coal Unloader Closure
SAT 18/10/2014	в				
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SUN 19/10/2014	в				
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SAT 25/10/2014	L L				
SUN 26/10/2014	C	0630 Sun - 1730 Sun	Oakey - Jondaryan Coal Siding	Re-Conditioning	
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		0620 Mon 1720 Mor	Mumbule Crook - Bangasian	Ro Conditioning	
MON 27/10/2014	n	0700 Mon - 1700 Mon	Tycanba - Baining	Re-Conditioning	
1011 21/10/2014	0	5700 mon - 1700 mon	i yoanba - barning	inter-continuoning	
SAT 01/11/2014	n l				
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CAT 00/44/2044		0630 Sat - 1700 Sun	Malu - Bowenville	Re-Conditioning	
SAT 00/11/2014	A	0930 Sat - 1730 Sun	Laidley - Forest Hill	Re-Conditioning	
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					Cleveland Line Shutdown
CUN 00/44/2044		0630 Sat - 1700 Sun	Malu - Bowenville	Re-Conditioning	
SUN 09/11/2014	A	0930 Sat - 1730 Sun	Laidley - Forest Hill	Re-Conditioning	
SUN 09/11/2014					
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CUN 22/44/2044	6	0630 Sun - 1730 Sun	Oakey - Jondaryan Coal Siding	Re-Conditioning	
SUN 23/11/2014	L L	0630 Sun - 1700 Sun	Malu - Bowenville	Re-Conditioning	
		0630 Mon - 1730 Mon	Murphy's Creek - Rangeview	General Maintenance	
MON 24/11/2014	D	0630 Mon - 1700 Mon	Malu - Bowenville	Re-Conditioning	
MON 24/11/2014	_	0630 Mon - 1730 Mon	Willowburn - Gowrie	Re-Conditioning	
SAT 29/11/2014	D	!			
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		0700 Sun - 1700 Sun	Grantham - Helidon	Formation	
SUN 07/12/2014	6	0700 Sun - 1700 Sun	Rosewood - Grandchester	Formation	
301 07/12/2014	L L	0730 Sun - 1230 Sun	Oakey - Dalby	Utrasonic Test Car	
		0001 Sat - 0300 Mon	Yeerongpilly		Beenleigh Line Shutdown
		0700 Sat - 1700 Sun	Malu - Rowenville	Formation	
EAT 42/42/2014		or oo out in oo oun	Initial - Dowertylie		
SAT 15/12/2014	A	0700 Sat - 1700 Sun	Columboola - Rainby	Formation	
SAT 15/12/2014	A	0700 Sat - 1700 Sun 0900 Sat - 1500 Sat	Columboola - Rainby Helidon - Toowoomba	Formation Ultrasonic Test Car	
		0700 Sat - 1700 Sun 0900 Sat - 1500 Sat 0930 Sat - 1730 Sun	Columboola - Rainby Helidon - Toowoomba Laidlev - Forest Hill	Formation Ultrasonic Test Car Re-Conditionina	
		0700 Sat - 1700 Sun 0900 Sat - 1500 Sat 0930 Sat - 1730 Sun	Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hil	Formation Utrasonic Test Car Re-Conditioning	
	A	0700 Sat - 1700 Sun 0900 Sat - 1500 Sat 0930 Sat - 1730 Sun	Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hil Ioswich Workshops - Grandchester	Formation Utrasonic Test Car Re-Conditioning Isswich Workshops to Grandchester Charter Isswich Workshops to Grandchester Charter	
	A	0700 Sat - 1700 Sun 0900 Sat - 1700 Sun 0930 Sat - 1500 Sat 0930 Sat - 1730 Sun	Columboola - Rainby Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hill Ipswich Workshops - Grandchester Yeeronapilly	Formation Utrasonic Test Car Re-Conditioning Ipswich Workshops to Grandchester Charter	Beenleigh Line Shutdown
	A	0700 Sat - 1700 Sun 0900 Sat - 1500 Sat 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun	Columboola - Rainby Columboola - Rainby Heldon - Toowoomba Laidley - Forest Hil Ipswich Workshops - Grandchester Yeerongpilly Malu - Bowenville	Formation Utrasonic Test Car Re-Conditioning Ipswich Workshops to Grandchester Charter Formation	Beenleigh Line Shutdown
SUN 14/12/2014	Δ	0700 Sat - 1700 Sun 0900 Sat - 1700 Sun 0930 Sat - 1500 Sat 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0700 Sat - 1700 Sun	Columboola - Rainby Columboola - Rainby Heldon - Toowoomba Laidley - Forest Hill Ipswich Workshops - Grandchester Yeerongpilly Malu - Bowenville Columboola - Rainby	Formation Utrasonic Test Car Re-Conditioning Ipswich Workshops to Grandchester Charter Formation Formation Formation	Beenleigh Line Shutdown
SUN 14/12/2014	A	0700 Sat - 1700 Sun 0900 Sat - 1700 Sun 0930 Sat - 1500 Sat 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun	Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hill Ipswich Workshops - Grandchester Yeerongpily Malu - Bowenville Columboola - Rainby Oakey - Helidon	Formation Utrasonic Test Car Re-Conditioning Ipswitch Workshops to Grandchester Charter Formation Formation Utrasonic Test Car	Beenleigh Line Shutdown
SUN 14/12/2014	A	0700 Sat - 1700 Sun 0900 Sat - 1500 Sun 0930 Sat - 1500 Sat 0030 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0930 Sat - 1730 Sun	Columboola - Rainby Columboola - Rainby Heldon - Toowoomba Laidley - Forest Hill Ipswich Workshops - Grandchester Yeerongpily Malu - Bowenville Columboola - Rainby Oakey - Heldon Laidley - Forest Hill	Formation Utrasonic Test Car Re-Conditioning Ipswich Workshops to Grandchester Charter Formation Formation Utrasonic Test Car Re-Conditioning	Beenleigh Line Shutdown
SUN 14/12/2014	A	0700 Sat - 1700 Sun 0900 Sat - 1700 Sun 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0930 Sat - 1730 Sun	Columboola - Rainby Heldon - Toowoomba Laidley - Forest Hill Ipswich Workshops - Grandchester Yeerongpilly Malu - Bowenville Columboola - Rainby Oakey - Heldon Laidley - Forest Hill	Formation Ultrasonic Test Car Re-Conditioning Ipswich Workshops to Grandchester Charter Formation Formation Ultrasonic Test Car Re-Conditioning	Beenleigh Line Shutdown
SUN 14/12/2014	A	0700 Sat - 1700 Sun 0900 Sat - 1700 Sun 0930 Sat - 1500 Sat 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0730 Sat - 1700 Sun 0730 Sun - 1530 Sun 0930 Sat - 1730 Sun	Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hill Ipswich Workshops - Grandchester Yeerongpilly Malu - Bowenville Columboola - Rainby Oakey - Helidon Laidley - Forest Hill	Formation Utrasonic Test Car Re-Conditioning Ipswich Workshops to Grandchester Charter Formation Formation Utrasonic Test Car Re-Conditioning	Beenleigh Line Shutdown
SUN 14/12/2014	A	0700 Sat - 1700 Sun 0900 Sat - 1700 Sun 0930 Sat - 1500 Sat 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0930 Sat - 1730 Sun	Columboola - Rainby Heldon - Toowoomba Laidley - Forest Hill Ipswich Workshops - Grandchester Yeerongpilly Malu - Bowenville Columboola - Rainby Oakey - Heldon Laidley - Forest Hill	Formation Ultrasonic Test Car Re-Conditioning Formation Formation Ultrasonic Test Car Re-Conditioning	Beenleigh Line Shutdown
SUN 14/12/2014 SAT 20/12/2014	A	0700 Sat - 1700 Sun 0900 Sat - 1700 Sun 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0930 Sat - 1730 Sun	Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hil Ipswich Workshops - Grandchester Yeerongpilly Malu - Bowenville Columboola - Rainby Oakey - Helidon Laidley - Forest Hil	Formation Ultrasonic Test Car Re-Conditioning Ipswich Workshops to Grandchester Charter Formation Formation Ultrasonic Test Car Re-Conditioning	Beenleigh Line Shutdown
SUN 14/12/2014 SAT 20/12/2014	A	0700 Sat - 1700 Sun 0900 Sat - 1500 Sun 0930 Sat - 1500 Sat 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0930 Sat - 1730 Sun	Columboola - Rainby Columboola - Rainby Heldon - Toowoomba Laidley - Forest Hill Ipswich Workshops - Grandchester Yeerongpily Malu - Bowerwile Columboola - Rainby Oakey - Heldon Laidley - Forest Hill	Formation Ultrasonic Test Car Re-Conditioning Formation Formation Ultrasonic Test Car Re-Conditioning	Beenleigh Line Shutdown
SUN 14/12/2014 SAT 20/12/2014	A	0700 Sat - 1700 Sun 0900 Sat - 1500 Sun 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0930 Sat - 1730 Sun	Columboola - Rainby Heldon - Toowoomba Laidley - Forest Hil Ipswich Workshops - Grandchester Yeerongpilly Malu - Bowenville Columboola - Rainby Oakey - Heldon Laidley - Forest Hil	Formation Utrasonic Test Car Re-Conditioning Formation Formation Utrasonic Test Car Re-Conditioning	Beenleigh Line Shutdown
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014	A A B B	0700 Sat - 1700 Sun 0900 Sat - 1500 Sat 0930 Sat - 1500 Sat 0030 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0930 Sat - 1730 Sun	Columboola - Rainby Columboola - Rainby Heldon - Toowoomba Laidley - Forest Hill Ipswich Workshops - Grandchester Yeerongpily Malu - Bowenvile Columboola - Rainby Oakey - Heldon Laidley - Forest Hil	Formation Utrasonic Test Car Re-Conditioning Formation Formation Utrasonic Test Car Re-Conditioning	Beenleigh Line Shutdown
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014	A A B B	0700 Sat - 1700 Sun 0900 Sat - 1700 Sun 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0330 Sat - 1730 Sun	Columboola - Rainby Columboola - Rainby Heldon - Toowoomba Laidley - Forest Hil Ipswich Workshops - Grandchester Yeerongpily Malu - Bowenville Columboola - Rainby Oakey - Heldon Laidley - Forest Hil	Formation Ultrasonic Test Car Re-Conditioning Formation Ultrasonic Test Car Re-Conditioning Ultrasonic Test Car Re-Conditioning General Maintenance	Beenleigh Line Shutdown
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014	A A B B	0700 Sat - 1700 Sun 0900 Sat - 1700 Sun 0930 Sat - 1700 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0930 Sat - 1730 Sun 0930 Sat - 1730 Sun	Murphy's Creek - Rangeview Murphy's Creek - Rangeview	Formation Utrasonic Test Car Re-Conditioning Formation Formation Formation Formation Formation General Maintenance Be Conditioning	Beenleigh Line Shutdown
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014 MON 22/12/2014	A A B B D	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0930 Sat - 1500 Sat 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0930 Sat - 1730 Sun 0930 Sat - 1730 Sun 0930 Sat - 1730 Mon 0700 Mon - 1730 Mon	Murphy's Creek - Rangeview Rosewood - Grandchester	Formation Ultrasonic Test Car Re-Conditioning Formation Ultrasonic Test Car Formation Ultrasonic Test Car Re-Conditioning General Maintenance Re-Conditioning	Beenleigh Line Shutdown
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014 MON 22/12/2014	A A B B D	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0930 Sat - 1500 Sat 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0330 Sat - 1730 Sun 0330 Sat - 1730 Sun 0530 Mon - 1730 Mon 0700 Mon - 1730 Mon 0700 Mon - 1700 Mon	Murphy's Creek - Rangeview Murphy's Creek - Rangeview	Formation Utrasonic Test Car Re-Conditioning Formation Utrasonic Test Car Re-Conditioning General Maintenance Re-Conditioning	Beenleigh Line Shutdown
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014 MON 22/12/2014	A A B B D D	0700 Sat - 1700 Sun 0700 Sat - 1500 Sun 0930 Sat - 1500 Sat 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0930 Sat - 1730 Sun 0930 Sat - 1730 Mon 0700 Mon - 1730 Mon 0700 Mon - 1730 Mon 0700 Mon - 1730 Sun	Murphy's Creek - Rangeview Murphy's Creek - Rangeview Rosewood - Grandchester Yeerongpily Malu - Bowenville Columbools - Rainby Oakey - Heldon Laidley - Forest Hill Murphy's Creek - Rangeview Rosewood - Grandchester Spring Bluff - Rangeview	Formation Ultrasonic Test Car Re-Conditioning General Maintenance Re-Conditioning Re-Railing	Beenleigh Line Shutdown
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014 MON 22/12/2014 SAT 27/12/2014	A B B D D	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0930 Sat - 1500 Sat 0030 Sat - 1730 Sun 0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0330 Sat - 1730 Sun 0630 Mon - 1730 Mon 0700 Mon - 1700 Mon 0800 Sat - 1730 Sun	Murphy's Creek - Rangeview Rosewood - Grandchester Spring Bluff - Rangeview	Formation Ultrasonic Test Car Re-Conditioning Formation Ultrasonic Test Car Re-Conditioning General Maintenance Re-Conditioning Re-Railing	Beenleigh Line Shutdown
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014 MON 22/12/2014 SAT 27/12/2014	A A B B D D	0700 Sat - 1700 Sun 0900 Sat - 1500 Sat 0930 Sat - 1500 Sat 0030 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0930 Sat - 1730 Sun 0630 Mon - 1730 Mon 0700 Mon - 1730 Mon 0700 Mon - 1730 Sun	Murphy's Creek - Rangeview Murphy's Creek - Rangeview Rosewood - Grandohester Spring Bluff - Rangeview	Formation Utrasonic Test Car Re-Conditioning Formation Formation Formation Formation General Maintenance Re-Conditioning Re-Railing	Beenleigh Line Shutdown
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014 MON 22/12/2014 SAT 27/12/2014	A B B D D	0700 Sat - 1700 Sun 0700 Sat - 1500 Sun 0930 Sat - 1500 Sat 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0930 Sat - 1730 Sun 0630 Mon - 1730 Mon 0700 Mon - 1730 Mon 0700 Mon - 1730 Sun	Murphy's Creek - Rangeview Rosewood - Grandchester Murphy's Creek - Rangeview Rosewood - Grandchester Spring Bluff - Rangeview	Formation Ultrasonic Test Car Re-Conditioning Formation Ultrasonic Test Car Formation Ultrasonic Test Car Re-Conditioning General Maintenance Re-Conditioning Re-Railing Re-Railing Re-Railing	Beenleigh Line Shutdown
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014 MON 22/12/2014 SAT 27/12/2014 SUN 28/12/2014	A B B D D D	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0930 Sat - 1500 Sat 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun 0730 Sun - 1530 Sun 0930 Sat - 1730 Sun 0630 Mon - 1730 Mon 0700 Mon - 1730 Mon 0700 Mon - 1730 Sun 0800 Sat - 1730 Sun	Murphy's Creek - Rangeview Rosewood - Grandchester Spring Bluff - Rangeview Spring Bluff - Rangeview	Formation Utrasonic Test Car Re-Conditioning Utrasonic Test Car Formation Formation Formation Formation General Maintenance Re-Conditioning Re-Railing Re-Railing Re-Railing	Beenleigh Line Shutdown

Attachment 2: Western Corridor Alignment Calendar – Apr 2015-Dec 2016

WEEK TYPE A = 48 HRS SAT/SUN B = NIL POSSESSION C = 12 HRS SUN D = 12 HRS MON	48 Hour Closures Conflicts Maintenance Time Available Recent Changes / Additions		Wes Wester	Coal Supply Chai The Coal Supply Chai The Corridor Alignment Calendar 20	n 15
NB. Only includes FOTAL CLOSON	Week		Landlar	Western	Last updated 14/04/15
Weekend	Туре	Times	Location	Western	Suburban
SAT 18/04/2015		0600 Sat - 2359 Tue	Malu - Bowenville	Drain Renewal	
SAT 18/04/2015		0600 Sat - 1800 Tue	Macalister - Brigalow	Broge Maintenance	
		0600 Sat - 2359 Tue	Malu - Bowenville	Drain Renewal	
SUN 40/04/2015		0600 Sat - 1800 Tue	Macalister - Brigalow	Bridge Maintenance	
SUN 19/04/2015	- C	0800 Sun - 1215 Sun	Helidon - Toowoomba	NDT Car	
		ooo dan 1210 dan	Holden Foowborning	No Total	
		0600 Sat - 2359 Tue	Malu - Bowenville	Drain Renewal	
MON 20/04/2015	D	0600 Sat - 1800 Tue	Macalister - Brigalow Malu Vard	Endge Maintenance	
WON 20/04/2010		0800 Mon - 1230 Mon	Toowoomba - Malu	NDT Car	
CAT 05/04/0045		1345 Sat - 1500 Sat	Kingsthorpe Yard	No Train Period	
SAT 25/04/2015					
SUN 26/04/2015	D				
		0200 Sat 0300 Mon	Corinda Rosewood		Inswich Line Shutdown Westlander stows Toowoomba
		0730 Sat - 1730 Sun	Blaxland - Dalby	Bridge Maintenance	ipawich Ene Shudown, weakander alowa roowoonisa
		0600 Sat - 1800 Sun	Oakey - Jondaryan Coal Siding	Re-Conditioning	
SAT 02/05/2015	A	0600 Sat - 2359 Sun	Holmes - Rangeview	Third Party	
		0600 Sat - 2359 Sun	Grandchester - Yarongmulu	Third Party Re Reiling	
		0600 Sat - 1750 Sun	Columboola Yard	Level Crossing	
		0200 Sat - 0300 Mon	Corinda - Rosewood		Ipswich Line Shutdown. Westlander stows Toowoomba
	-	0730 Sat - 1730 Sun	Blaxland - Dalby	Bridge Maintenance Re Conditioning	
SUN 02/05/2045		0600 Sat - 1000 Sun	Holmes - Rangeview	Third Party	
SUN 03/05/2015		0600 Sat - 2359 Sun	Grandchester - Yarongmulu	Third Party	
		0630 Sat - 1730 Sun	Holmes - Spring Bluff	Re-Railing	
		0600 Sat - 1800 Sun	Columboola Yard	Level Crossing	
SAT 09/05/2015	В				
SUN 10/05/2015	в				
SAT 40/05/0015					
SAT 16/05/2015	<u>د</u>				



	-	0000 0	Orrendebester, Marsanette	Third Deate	
		0600 Sun - 1830 Sun	Grandchester - Yarongmulu	Iniro Party	
SUN 17/05/2015	с	0600 Sun - 1800 Sun	Oakey - Jondaryan Coal Siding	Re-Conditioning	
		0630 Sun - 1800 Sun	Lockyer - Murphy's Creek	Bridge Maintenance	
		0600 Mon - 1730 Mon	Grandchester - Varonomulu	Third Party	
		0700 Men 4400 Men	Leidley, Ferent Hill	Pail Date	
		0700 Mon - 1400 Mon	Laidley - Polest Hill	Rail Drop	
MON 18/05/2015	D	0600 Mon - 1800 Mon	Lockyer - Murphy's Creek	Bridge Maintenance	
		0600 Mon - 1800 Mon	Yarongmulu - Laidley	Formation	
SAT 23/05/2015	D				
3AT 20/00/2010					
	_				
SUN 24/05/2015	D				
SAT 30/05/2015	C				
3A1 00/00/2010	•				
		0630 Sun - 1800 Sun	Toowoomba Brook Street - Willowburn	Re-Railing	
		0600 Sun - 1730 Sun	Grandchester - Yarongmulu	Third Party	
		0730 Sun - 1800 Sun	Baining - Macalister	Bridge Maintenance	
SUN 31/05/2015	C	0600 Sup 1800 Sup	Baining Macalister	Formation	
3014 31/03/2013	U	0000 Sun - 1000 Sun	Danning - Macanater		
		0600 Sun - 2000 Sun	Yarongmulu - Laidley	Formation	
		0630 Sun - 1800 Sun	Forest Hill Yard	Undercutting	
		0700 Sun - 1700 Sun	Redbank - Ipswich		No Train Period
		0630 Mon - 1800 Mon	Baining - Macalister	Bridge Maintenance	
		0700 Mon - 1730 Mon	Yaronomulu - Laidley	Re-Railing	
MON 01/06/2015	D D	0600 Mon 4800 Mon	Teouromha Brook Street, Willowhurn	Working	
WON 01/00/2015		0600 MOII - 1800 MOII	Toowoomba Brook Street - Willowburn	Welding	
		0600 Mon - 1800 Mon	Baining - Macalister	Formation	
SAT 06/06/2015	D				
	_				
CUN 07/06/0045	D				
SUN 07/06/2015	U				
MON 08/06/2015	C				
WON 00/00/2013	C C			QUEENS BIRTHDAT	
SAT 13/06/2015	C				
SAT TO/CO/2010	· ·				
		0700 Sun - 1700 Sun	Redbank - Ipswich		No Train Period
SUN 14/06/2015	С				
		0600 Sat - 1800 Sun	Oakey - Jondarvan Coal Siding	Re-Conditioning	
		0600 Sat - 1800 Sun	Spring Bluff - Rangeview	Re-Railing	
SAT 20/06/2015	A	0020 Eat 0020 Man	Loidley, Forest Hill	Ridge Construction	Weetlander stove Teaucomba
		0030 Sat - 0030 Moli	Laidley - Porest Hill	Druge Construction	westander stows roowoomba
		0010 Sat - 0230 Mon	Park Road - Lytton Junction		Cleveland Line Shutdown
		0600 Sat - 1800 Sun	Oakey - Jondaryan Coal Siding	Re-Conditioning	
SUN 04/06/004E	•	0600 Sat - 1800 Sun	Spring Bluff - Rangeview	Re-Railing	
SUN 21/06/2015	A .	0030 Sat - 0030 Mon	Laidley - Forest Hill	Bridge Construction	Westlander stows Toowoomba
		0010 Sat - 0230 Mon	Park Road - Lytton Junction		Cleveland Line Shutdown
		0010 001 - 0200 mon	Tuni noud - Lynon ounoion		
CAT 07/00/0045					
SAT 27/06/2015	Þ				
SUN 28/06/2015	В				
	-				
		0200 Sat 0300 Mon			
		0200 Sat - 0300 Mon	Corinda - Rosewood		Ipswich Line Shutdown, Westlander stows Toowoomba
		(Times TBC)			
SAT 04/07/2015	A	0030 Sat - 0030 Mon	Laidley - Forest Hill	Bridge Construction	
		0600 Sat - 1800 Sun	Spring Bluff - Rangeview	Re-Railing	
-				Marken a	
		0730 Sat - 1745 Sat	Spring Bluff - Rangeview	Ivvelding	



SUN 05/07/2015		0200 Sat - 0300 Mon (Times TBC)	Corinda - Rosewood		Ipswich Line Shutdown. Westlander stows Toowoomba
	A	0030 Sat - 0030 Mon 0600 Sat - 1800 Sun	Laidley - Forest Hill Spring Bluff - Rangeview	Bridge Construction Re-Railing	
CAT 44/07/0045					
SAT 11/07/2015					
SUN 12/07/2015	В				
SAT 18/07/2015	С				
SUN 10/07/2015	C .				
30N 19/07/2015	L C				
SAT 25/07/2015	С				
		(Times TBC)		Grandchester Steamfest	
SUN 26/07/2015	С	0700 Sun - 1700 Sun	Corinda - Redbank		No Train Period
		0030 Sat - 0030 Mon	Laidley - Forest Hill Spring Bluff, Rangeview	Bridge Construction Re Railing	Westlander stows Toowoomba
SAT 01/08/2015	A	0800 Sat - 1600 Sat	Rangeview - Harlaxton	Welding	
CUN 00/08/0045		0030 Sat - 0030 Mon	Laidley - Forest Hill	Bridge Construction	Westlander stows Toowoomba
SUN 02/08/2015	A 1	0600 Sat - 1800 Sun	Spring Bluff - Rangeview	Re-Railing	
SAT 08/08/2015	В				
SUN 09/08/2015	в				
SAT 15/08/2015	С				
SAT 15/08/2015	с				
SAT 15/08/2015	c c				
SAT 15/08/2015 SUN 16/08/2015	c c				
SAT 15/08/2015 SUN 16/08/2015	C C				
SAT 15/08/2015 SUN 16/08/2015 MON 17/08/2015	C C D				
SAT 15/08/2015 SUN 16/08/2015 MON 17/08/2015	C C D				
SAT 15/08/2015 SUN 16/08/2015 MON 17/08/2015 SAT 22/08/2015	C C D D				
SAT 15/08/2015 SUN 16/08/2015 MON 17/08/2015 SAT 22/08/2015	C C D D				
SAT 15/08/2015 SUN 16/08/2015 MON 17/08/2015 SAT 22/08/2015 SUN 23/08/2015	C C D D D				
SAT 15/08/2015 SUN 16/08/2015 MON 17/08/2015 SAT 22/08/2015 SUN 23/08/2015	C C D D D				
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SAT 15/08/2015 SUN 16/08/2015 MON 17/08/2015 SAT 22/08/2015 SUN 23/08/2015 SAT 29/08/2015 SUN 30/08/2015 MON 31/08/2015 SAT 05/09/2015 SAT 12/09/2015	C D D C C C D D D D A	0030 Sat - 0030 Mon 0630 Sat - 1730 Sun	Laidley - Forest Hill Holmes - Spring Bluff	Image: Second	Westlander stows Toowoomba (if contingency is required)
SAT 15/08/2015 SUN 16/08/2015 MON 17/08/2015 SAT 22/08/2015 SUN 23/08/2015 SAT 29/08/2015 SAT 29/08/2015 SAT 05/09/2015 SAT 05/09/2015 SAT 12/09/2015	C C D C C C C D D D D D A	0030 Sat - 0030 Mon 0630 Sat - 030 Mon 0001 Sat - 0310 Mon 00001 Sat - 0310 Mon	Laidley - Forest Hill Holmes - Spring Bluff Dutton Park - Yeerongpilly Laidley - Forest Hill	Bridge Construction (contingency) RR-Railing Bridge Construction (contingency)	Westlander stows Toowoomba (if contingency is required) Beenleigh Line Shutdown Westlander stows Toowoomba (if contingency is required)
SAT 15/08/2015 SUN 16/08/2015 MON 17/08/2015 SAT 22/08/2015 SUN 23/08/2015 SAT 29/08/2015 SAT 29/08/2015 SUN 30/08/2015 SAT 05/09/2015 SUN 06/09/2015 SAT 12/09/2015 SUN 13/09/2015	C D D C C C D D D D D A A	0030 Sat - 0030 Mon 0630 Sat - 1730 Sun 0001 Sat - 0130 Mon 0033 Sat - 1730 Sun 0035 Sat - 030 Mon 0630 Sat - 1730 Sun	Laidley - Forest Hill Hoimes - Spring Bluff Duton Park - Verongpily Laidley - Forest Hill Holmes - Spring Bluff	Bridge Construction (contingency) Re-Ralling Bridge Construction (contingency)	Westlander stows Toowoomba (if contingency is required) Beenleigh Line Shutdown Westlander stows Toowoomba (if contingency is required)



			Roma Street to Toowoomba	Carnival of Flowers - 19th to 26th Sentember 2015	Roma Street to Toowoomba Services running 19th, 20th and 23rd. Toowoomba to Spring Bluff twice
SAT 19/09/2015	В				daily 20/9 to 26/9
SUN 20/09/2015			Roma Street to Toowoomba	Carnival of Flowers - 19th to 26th September 2015	Roma Street to Toowoomba Services running 19th, 20th and 23rd. Toowoomba to Spring Bluff twice
	В				uany 2015 to 2015
SAT 26/09/2015	c		Roma Street to Toowoomba	Carnival of Flowers - 19th to 26th September 2014	Roma Street to Toowoomba Services running 19th, 20th and 23rd. Toowoomba to Spring Bluff twice daily 20/9 to 26/9
	Ŭ				
		0700 Sun - 1700 Sun	Corinda - Redbank		No Train Period
SUN 27/09/2015	С				
		0600 Set 1800 Mon	Spring Pluff Popgoview	Po Poiling	
SAT 03/10/2015	Α	0000 Sat - 1000 Mon	Spring bidir - Mangeview	Incernating	
		0200 Sat - 0230 Tue			Wulkuraka Stable Yard works - Commissioning
SUN 04/10/2015	^	0600 Sat - 1800 Mon	Spring Bluff - Rangeview	Re-Railing	
3014 04/10/2013	~	0200 Sat - 0230 Tue			Wulkuraka Stable Yard works - Commissioning
				LABOUR DAY	
MON 5/10/2015	В	0600 Sat - 1800 Mon	Spring Bluff - Rangeview	Re-Railing	
				re runng	
		0200 Sat - 0230 Tue			Wulkuraka Stable Yard works - Commissioning
SAT 10/10/2015	в				
	в				
SUN 11/10/2015					
MON 12/10/2015	D				
SAT 17/10/2015	D				
SUN 18/10/2015	п				
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SAT 07/11/2015	С				
SUN 08/11/2015	с				
MON 09/11/2015	D				
SAT 14/11/2015	D				
SUN 15/11/2015	D				
SAT 21/11/2015	А	0600 Sat - 1800 Sun 0010 Sat - 0230 Mon	Spring Bluff - Rangeview Park Road - Lytton Junction	Re-Railing	Cleveland Line Shutdown. Westlander runs
SUN 22/11/2015	A	0600 Sat - 1800 Sun 0010 Sat - 0230 Mon	Spring Bluff - Rangeview Park Road - Lytton Junction	Re-Railing	Cleveland Line Shutdown, Westlander runs
SAT 28/11/2015	в				
SUN 29/11/2015	в				
SAT 05/12/2015	с				
SUN 06/12/2015	с	0700 Sun - 1700 Sun	Corinda - Redbank		No Train Period
SAT 12/12/2015	А	0600 Sat - 1800 Sun 0001 Sat - 0310 Mon	Toowoomba Dutton Park - Yeerongpilly	Re-Railing	Beenleigh Line Shutdown. Westlander runs
SUN 13/12/2015	А	0600 Sat - 1800 Sun 0001 Sat - 0310 Mon	Toowoomba Dutton Park - Yeerongpilly	Re-Railing	Beenleigh Line Shutdown. Westlander runs
SAT 19/12/2015	в				
SUN 20/12/2015	в				
MON 21/12/2015	D				
SAT 26/12/2015	D				
SUN 27/12/2015	D				



Attachment 3: SCAS Co-ordination Group Minutes February 2015

Attachment 4: SCAS Calendar Sep-Dec 2014

	Shu	Western Conidor Gold Coast Line Inner City Line Shorndiffe Line North Coast Line Cleveland Line Ferny Grove Line Closure Requiring Rescheduling Weeknight Closure (SCAS) Albion OH Weeknd Closure QueenslandRail	s and Isolations 2014				####	# JI Sa	Se Sul Sa	ep-20	14 a Sul Sa	aGur	Sa Su	Oct-	-2014	u Sa Si	u Sa Su	Sa Su	lov-14 Sa Su	4 Sa Su	SaS	u Sa S	De u Sal Si	:c-14 u Sa S	u Sa	Sa
Mth	SCAS	Corridor	Shutdown Details	Start Date	Finish Date	Updated 28/08/2014 Major Planned Works / Special Events	30 3	16	7 13	14 20	21 27	28	4 5	11 12	18 1	9 25 26	6 1 2	89	15 16	22 23	29 30) 6 7	13 14	1 20 1	1 27	28
						School Holidays																				٢
						Freight Services	C	D	DA	A B	BC	С	DD	A A	BB	B C C	DD	A A	BB	CC	DD	CO	AA	B	5 D	D
Aug	SE	Special Event		29/08/2014	29/08/2014	NRL - Broncos v St George Dragons - 1930hrs Fri - Suncorp Stadium																				
Aug	SE	Special Event		29/08/2014	29/08/2014	Gold Coast Suns vs West Coast Eagles																				
Aug	WE	North Coast	Closure : Northgate to Cabooture 0200 Sat - 2359 Sun ISO 1: 0200 Sat to 2359 Sun Buses Northgate to Gympie North	30/08/2014	31/08/2014	Bald Hills VLOM & MEN Inspections: Structures, track, civil and engineering MRRL L2P Works Rerail Petrie & Bald Hills Overhead Maintenance - Burpengary to Caboolture Telegraph Rd Level Xing Recon Down & Middle Rd Mullet Creek Bridge Carseldine Recondition Down & Middle Rd Station Upgrade Maintenance Cabooltre																				
Aug	WE	North Coast	Closure : Caboolture to Cooran 0400 Sat - 2200 Sun TWA 1 Traveston to Tamaree 0400 Sat to 1730 Sun TWA 2 Traveston to Gympie Nth 1730 to 2200 Sun ISO 2: 0400 Sat - 1730 Sun Caboolture to Tamaree Buses Northgate to Gympie North / Maryborough	30/08/2014	31/08/2014	I Replace Vee 12 Points Cympie North Replace Vee 7 Points Corrory Bridge Stage Examinations Traveston to Gympie Nth Recondition Ballast Deck Bridge Glanmire																				
Sep	SE	Special Event		1/09/2014	1/09/2014	Queen + Adam Lambert, Brisbane Entertainment Centre, Boondall																				
Sep	WN	Ferny Grove Line	Closure : Clear of Flyover to Ferny Grove 2200 Mon to 0400 Tues ISO 2200 Mon to 0400 Tues Buses Bowen Hills to Ferny Grove	1/09/2014	2/09/2014	Mitchelton TSC Replacement Project																		Π		
Sep	WN	Ferny Grove Line	Closure : Clear of Flyover to ferny Grove 2200 Tues to 0400 Wed ISO 2200 Tues to 0400 Wed Buses Bowen Hills to Ferny Grove	2/09/2014	3/09/2014	Mitchelton TSC Replacement Project 7.460km Defect Removal Dwn Road																		Π		
Sep	WN	Western Corridor	Closure Ipswich to Rosewood 2300 to 0330 Wed & Thurs Up Main ISO 2200 to 0330 Wed & Thurs Buses Ipswich to Rosewood Freight SLW Down Main	3/09/2014	5/09/2014	DPOH Wulkaraka NGR																				
Sep	AL OH MTCE	Inner City Line	Closure : Roma Street to Bowen Hills 2245 Wed to 0400 Thres All Roads & Up & Dn Sube Bowen Hills to Abion & Up & Dn Femy Grove Lines Bowen Hills to Windsor TBC ISO 1: 2245 Wed to 0400 Thurs Buses: Roma St to Northgate & Ferny Grove Freight: via Up & Down Exhibitions then Up & Dn mains Mayne to Abion	3/09/2014	4/09/2014	Comment - Albion Overhead Maintenance to confirm exact isolation section requirements Black Box Maintenance Request for 2100hrs Start on Up Suburban Only																				
Sep	SE	Special Event		7/09/2014	7/09/2014	NRL - Titans v Cantebery Bulldogs - 1500hrs Sun - Robina Stadium																				
Sep	WE PRO.	J Shorncliffe Line	Closure: Northgate to Shorncliffe 0200 Sat to 0200 Mon ISO: 0200 Sat to 1400 Sat Buses Northgate to Shorncliffe	6/09/2014	8/09/2014	Mechanised Resieepering Resleeper Up Sub Sandgate Platform Replace GJ SE5 Insert Switch & Stock Rail 770B Points																				



Sep	WE PROJ	Inner City Line Special Event	Closure : Corinda to Mitton Main Lines 0200 Sat to 0200 Mon ISO 0200 Sat to 1615 Sun Buses Nil Freight Via South Brisbane	6/09/2014 7/09/2014	8/09/2014 Chelmer Recondition Indooroopilly Bridge Inspection Rerail 9: 337km to 588km and 8.040km to 7.900km Dn Main Bridge Ends, Chelmer St East Siew Down Main, Chelmer St East Tamper 407 Dwn Main Sherwood Resurface 8.2km to 8.8km Cant adjustment Indooroopilly Bridge to 407 Points Vegetation Control Project Miton 7/09/2014 Steam Train Sunday Roma St City Loop								
Sep	SE	Special Event		7/09/2014	7/09/2014 Bridge to Brisbane 7 Sept								
Sep	AL OH MTCE	Inner City Line	Closure : Corinda to Bowen Hills & South Brisbane All Roads 2245 Sun to 0400 Mon ISO 1: Roma St Neutral Section to Bowen Hills 2245 Sun to 0400 Mon Buses Bowen Hills / Alixon to Corinda & Park Rd Freight - Closure during Natural Freight Window	7/09/2014	8/09/2014 Abion Overhead Maintenace St James College Tunnel Survey Adzing Timbers 228A/B Roma St								
Sep	WN	Western Corridor	Closure Ipswinch to Kosewood 2200 to 0330 Mon, Tues, Wed, Thurs Up Main ISO 2200 to 0330 Buses Ipswich to Rosewood Freight SLW Down Main	8/09/2014	12/US/2014 Mechanised Kesleepening DPOH - Wulkaraka NGR								
Sep	GOA	Inner City Line	Central	9/09/2014	10/09/2014 GOA Alliance: Platform 1: 2230 to 0430 Closure & Isolation Platform 6: 0030 to 0430 Closure & Isolation								
Sep	WN	Gold Coast/Beenleigh Line	Closure : Kuraby to Beenleigh Last Train to First Train Up & Down Mains Buses Kuraby to Beenleigh	9/09/2014	10/09/2014 Box up Turnouts Kingston to Kuraby								
Sep	WN	Gold Coast/Beenleigh Line	Closure : Kuraby to Beenleigh Last Train to First Train Up & Down Mains Buses Kuraby to Beenleigh	10/09/2014	11/09/2014 Box up Turnouts Kingston to Kuraby								
Sep	AL OH MTCE	Inner City Line	Closure : Roma Street to Bowen Hills 2245 Wed to 0400 Thurs All Roads & Up & Dn Subs Bowen Hills to Abion & Up & Dn Ferny Grove Lines Bowen Hills to Windsor TBC ISO 1: 2245 Wed to 0400 Thurs Buses: Park Rd & Mitton to Abion & Ferny Grove Freight: via Up & Down Exhibitions then Up & Dn mains Mayne to Abion	10/09/2014	11/09/2014 Albion Overhead Maintenace Initial Societa Societation Societation Societation Grafifii Removal Fortitude Valley LED Upgrade Fortitude Valley Structure Repairs Fortitude Valley								
Sep	SE	Special Event	to Amor	13/09/2014	13/09/2014 Wallabies vs Argentina Robina Stadium								+
Sep	WE PROJ	Fisherman Islands	Closure Fisherman Islands #1 - 0600 Fri to 0600 Tues (No Western Coal 96 hrs) Provisioning Rd Clear of Dual Gauge #2 - 1900 Sat to 1800 Mon (Freight Free after Sea Freighters) All Roads Clear FS62	12/09/2014	16/09/2014 Rerail Coal Unloader Re-lay provisioning Road Replace Switch & Stock Rail 133 Points Replace Vee & Timbers 126 Points Rerail DG Through Boat Ramp Rd								
Sep	WE PROJ	Western Corridor	Closure Corinda to Wacol All Roads 2200 Sat to 0400 Sun Buses Corinda to Redbank & Springfield	13/09/2014	14/09/2014 Darra UPS Upgrade Works (Stage 1 - Installation) Signal Outage								
Sep	SE	Special Event		13/09/2014	14/09/2014 Broncos NRL Final TBC								
Sep	SE	Special Event		13/09/2014	13/09/2014 Flower Show Steam Train - Ipswich to Laidley & Grandchester Return								
Sep	AL OH MTCE	Mayne Yard	Closure : Mayne Yard 1000 to 1600 Sat ISO 1: 1000 to 1600 Sat	13/09/2014	13/09/2014 Albion Overhead Maintenance								
Sep	AL OH MTCE	Inner City Line	Closure : Bowen Hills to Northgate 2245 Sat to 4400 Sun ISO 1: 2245 Sat to 4400 Sun Buses: Bowen Hills to Northgate Freight: Closure during Natural Freight Window	13/09/2014	14/09/2014 [Abion Overhead Maintenance AI Roads Abion to Bowen Hills Tee Removal on Suburbans TEC 706C/DFE US Eagle-Junction Turnout Maintenance 700C/DFE UK Eagle-Junction Turnout Maintenance 701C/D/E DS Eagle-Junction Turnout Maintenance								
Sep	SE	Special Event		14/09/2014	14/09/2014 Andrea Bocelli Concert - Boondall Entertainment Centre								
Sep	WE	Western Corridor	Closure Ipswich to Rosewood 0200 Sun to 0300 Mon TBC ISO 0200 to 1700 Sun Buses Ipswich to Rosewood Freight Nil	14/09/2014	14/09/2014 DPOH Wulkaraka NGR Mechanised Resleepening Walloon Replace Vee 8A points Yarrowlea Retimber 8A, 8B & 7 Points Yarrawlea								
Sep	AL OH MTCE	Inner City Line	Closure : Bowen Hills to Northgate all roads 2245 Sun to 0400 Mon ISO 1: 2245 Sun to 0400 Mon Buses: Bowen Hills to Northgate Freinith : Clourge during Natural Freinith Window	14/09/2014	15/09/2014 (Abion Overhead Maintenance AI Roads Abion to Bowen Hills 706/D/JE US Eagle Junction Turnout Maintenance 700/D/JE UM Eagle Junction Turnout Maintenance 701/D/JE DS Eagle Junction Turnout Maintenance								



Sep	SE	Special Event		15/09/2014	15/09/2014	4 Kanye West Concert - Boondall Entertainment Centre											11
Sep	AL OH MTCE	Inner City Line	Closure : Roma Street to Bowen Hills 2245 Wed to 0400 Thurs All Roads & Up & Dn Subs Bowen Hills to Albion & Up & Dn Ferry Grove Lines Bowen Hills to Mindsor TBC ISO 1: 2245 Wed to 0400 Thurs Busses: Roma St to Eagle Junction & Ferry Grove Freidht: via Uo & Down Evhilibilions then Up & Dn mains Mawne	17/09/2014	18/09/2014	4 Albion Overhead Maintenance Graffitti Removal Fortitude Valley GU replacement 2.396km Defective Rail 2.320km Structure Repairs Fortitude Valley											
			to Albion														
Sep	SC WE	School Holidays	Closure - Roma Street to Corinda, Murarrie and Veerongnily	20/09/2014	6/10/2014	4 School Holidays 20 Sept - 6 Oct	_	SC SC	SC SC	SC	SC						+++
34	WL		2000 Sat to 0300 Mon. All roads, except Down Main Roma Street to Sherwood & Dual Gauge Veerongpilly to Murarie for freight SLW. ISO 1: 0200 Spt to 0300 Mon. All Roads. Buses Roma Street to Corinda, Murarie and Yeerongpilly Freight Wheels free windows at Roma Street to Sherwood DM 0200 b 0500 Sat. 1010 to 0300 Sun 900hrs to 1900hrs Sun and 0100 to 0300 Mon Yeerongpilly to Dutton Park Dual Gauge 0800hrs to 1600hrs Sun, XPT Cancelled	2010912014	22/09/2014	Rerail Roma Street to Control 16 fails Overhead Maintenance - Roma Street Feeder Station Inspections: Structures, track, civil and engineering Rerail Countess St Up & Down Subs 648 Turnout Replacement Gedech Investigations Replace Timber bearers 222 & 214 Roma St Vegetation Control Project Down Main & Up Sub Roma St Rerail 0.300km to 0.500km Park Rd to Buranda Mitton Station Mast Relocation US											
Sep	SE	Special Event		20/09/2014	20/09/2014	4 Steam Train - Roma St to Towwoomba Return (Carnival of Flowers Service)											
Sep	SE	Special Event		20/09/2014	27/09/2014	4 Toowoomba Camivale of Flowers 20-27 Sept											
Sep	SE	Special Event		21/09/2014	21/09/2014	4 Steam Train - Roma St to Towwoomba Return (Carnival of Flowers Service)											
Sep	SE	Special Event		22/09/2014	23/09/2014	4 Robbie Williams Concert - Brisbane Entertainement Centre - Bondall											
Sep	SE	Special Event		23/09/2014	23/09/2014	4 Robbie Williams Concert - Brisbane Entertainement Centre - Bondall											
Sep	SE	Special Event		23/09/2014	23/09/2014	4 Steam & Rail Motor Roma St to Ipswick Workshops											
Sep	WN	Cleveland Line	Closure : Buranda to Murarrie 2010 Tue to 0450 Wed Up & Down Suburban Lines Buses Park Road to Murarrie Freight Via Dual Gauge	23/09/2014	24/09/2014	4 696pts switch & stock Cannon Hill Soil Testing Crown St (Guard & Splay Rail Project)											
Sep	WN	Cleveland Line	Closure : Buranda to Murarite 2010 Wed to 0450 Thur Up & Down Suburban Lines Buses Park Road to Murarite Freight Via Dual Gauge	24/09/2014	25/09/2014	4 (683pts vee Stick Welding Cannon Hill Replace Bull Homs Buranda to Coorparoo Lift & Pack Bridge Ends with Hi Rail Excavator Coorparoo to Morningaide Soil Testing Crown St (Guard & Splay Rail Project)											
Sep	SE	Special Event		24/09/2014	24/09/2014	4 Railmotor - Roma St to Towwoomba Return (Carnival of Flowers)											
Sep	AL OH MTCE	Inner City Line	Closure : Roma Street to Bowen Hills Up & Down Mains 2220 Wed to 0400 Thurs ISO Up & Down Mains 2200 Wed to 0400 Thurs Freidht: Via Exibilion	24/09/2014	25/09/2014	4 Albion Overhead Maintenance											
Sep	SE	Special Event		27/09/2014	27/09/2014	4 Riverfire											
Sep	SE	Special Event		26/09/2014	27/09/2014	4 Justin Timberlake at Boondall (Fri & Sat night)											
Sep	SE WE DDC I	Special Event	Clearura Million to Indeemonilly Lin & Down Sylverty Lines	28/09/2014	28/09/2014	4 QKL Intrust Supercup Grand Final - Suncorp Stadium 1555hrs 4 Replace Defective Reils - 2.018km -3.335km -4.650km -4.044km									+		+++
Зер	WE PROJ	inner City Line	Closure willion to indoordopility Op & Down Suburban Lines 0600 to 1630 Sun TBC Freight Via Main Lines	20/09/2014	20/08/2014	Prepiace Delective Nails - 2.5 form, 5.355km, 4.650km, 4.54 km											
Sep	AL OH MTCE	Inner City Line	Closure : Corinda to Bowen Hills & South Brisbane All Roads 2245 Sun to 0400 Mon ISO 1: Roma St Neutral Section to Bowen Hills 2245 Sun to 0400 Mon Buses Bowen Hills / Albion to Corinda & Park Rd TBC Freight - Closure during Natural Freight Window	28/09/2014	29/09/2014	4 Albion Overhead Maintenance - Roma Street Feeder Station											
Sep	WN	Western Corridor	Closure Ipswich to Rosewood 0700 to 1700 Sun Up & Down Main TBC ISO 0700 to 1700 Sun Buses Ipswich to Rosewood TBC Freight Nil	28/09/2014	28/09/2014	4 DPOH Wulkaraka NRR - contingency for the 13/09 Cross hatching level crossing TBC Stress Testing Loc TBC											
Sep	WN	Inner City Line	Closure : Roma Street to Bowen Hills Up & Down Suburban Lines 2220 Mon to 0400 Tues Buses Roma Street to Bowen Hills / Albion	29/09/2014	30/09/2014	4 Defective Rail repair 1.095km Up Suburban											



Attachment 5: Impact of 48 vs 36 hour maintenance closure



Saturday Capacity with and without Metro 48 hour closure

Blue paths are only for the 36 hour closure





Sunday Capacity with and without Metro 48 hour closure

Blue paths are only for the 36 hour closure





Blue paths are only for the 36 hour closure