

Impact of Metropolitan Network Constraints on West Moreton Network Capacity

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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 B = NIL POSSESSION C = 12 HRS SUN D = 12 HRS MON	A = 48 HRS SAT/SUN 48 Hour Closures B = NIL POSSESSION Conflicts C = 12 HRS SUN Maintenance Time Available		Constant Coal Supply Chain Western Corridor Alignment Calendar 2014		
NB: Only includes TOTAL CLOSU Weekend	RES Corinda to Week Type	Roma Street Times	Location	Western	Last updated 26/08/14 Suburban
SAT 30/08/2014	С				
SUN 31/08/2014	с	0630 Sun - 1730 Sun 0630 Sun - 1730 Sun 0630 Sun - 1730 Sun 0630 Sun - 1700 Sun 0700 Sun - 1700 Mon	Oakey - Jondaryan Coal Siding Grandchester - Laidley Toowoomba Brook Street Helidon - Lookyer Tycanba - Macalister	Re-Conditioning Signals Signals Bridge Maintenance Formation	
MON 01/09/2014	D	0630 Mon - 1730 Mon 0700 Sun - 1700 Mon 0630 Mon - 1700 Mon 0800 Mon - 1200 Mon 0930 Mon - 1330 Mon	Murphy's Creek - Rangeview Tycanba - Macalister Helidon - Lockyer Grantham Yard Murphy's Creek - Rangeview	General Maintenance Formation Bridge Maintenance Contractor Ballasting	
SAT 06/09/2014	D				
SUN 07/09/2014	D				No train period required is from 0400 to 0800 Cleveland Line Shutdown - Murrarie
Fri 12/09/2014	А	0630 Fri - 1730 Mon 0630 Fri - 1730 Mon 0630 Fri - 1700 Mon 0615 Fri - 1745 Mon 0615 Fri - 1745 Mon 0600 Fri - 1800 Mon 0600 Fri - 1800 Mon 0600 Fri - 0500 Tue	Oakey - Jondaryan Coal Siding Spring Bluff - Rangeview Malu - Bowerville Daiby - Tycanba Tycanba - Baining Rangeview - Willowburn Forest Hill - Gatton Fisherman Island	Re-Conditioning Re-Failing Re-Conditioning Bridge Maintenance Bridge Maintenance Signals Bridge Construction	Fisherman Islands Coal Unloader Closure
SAT 13/09/2014	Α	0630 Fri - 1730 Mon 0630 Fri - 1730 Mon 0630 Fri - 1730 Mon 0615 Fri - 1745 Mon 0615 Fri - 1745 Mon 0600 Fri - 1800 Mon 0700 Sat - 1700 Sat 0600 Fri - 1800 Sat 1300 Sat - 2359 Mon 0600 Fri - 0500 Tue	Ipswich Workshops - Gatton Oakey - Jondaryan Coal Siding Spring Bluff - Rangeview Malu - Bowenville Daiby - Tycanba Tycanba - Baining Rangeview - Willowburn Grantham - Helidon Forest Hill - Gatton Forest Hill - Gatton Fisherman Island	TWRM Charter Re-Conditioning Re-Ralling Re-Conditioning Re-Conditioning Bridge Maintenance Bridge Maintenance Signals Bridge Maintenance Bridge Construction Bridge Construction	Fisherman Islands Coal Unloader Closure
SUN 14/09/2014	А	0600 Fri - 1730 Mon 0630 Fri - 1730 Mon 0630 Fri - 1740 Mon 0615 Fri - 1745 Mon 0615 Fri - 1745 Mon 0600 Fri - 1800 Mon 0700 Sun - 1700 Sun 1300 Sat - 2359 Mon 0700 Sun - 1700 Sun	Alterman Isand Oakey - Jondaryan Coal Siding Spring Bluff - Rangeview Malu - Bowenville Daiby - Tycanba Tycanba - Baining Rangeview - Willowburn Grantham - Heildon Forest Hill - Gatton Ipswich - Rosewood Fisherman Island	Re-Conditioning Re-Railing Re-Conditioning Bridge Maintenance Bridge Maintenance Signals Bridge Maintenance Bridge Construction	Wulkuraka Stabling Yard O/H modification works / Resleepering Fisherman Islands Coal Unloader Closure



	1 L	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				
MON 15/05/2014		0615 Fri - 1745 Mon	Tycanba - Baining	Bridge Maintenance				
		0600 Fri - 1800 Mon	Rangeview - Willowburn	Signals				
	I [1300 Sat - 2359 Mon	Forest Hill - Gatton	Bridge Construction				
	I [0600 Fri - 0600 Tue	Fisherman Island		Fisherman Islands Coal Unloader Closure			
			Dama Street to Tamaamba	Construct of Elements 20th to 27th Construction 2014	Roma Street to Toowoomba Services running 20th, 21st and 24th. Toowoomba to Spring Bluff			
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	1 1							
					Roma Street to Toowoomba Services running 20th, 21st and 24th. Toowoomba to Spring Bluff			
			Roma Street to Toowoomba	Carnival of Flowers - 20th to 27th September 2014	twice daily 21/9 to 26/9 and once 27/9			
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			Roma Street to Toowoomba	Carnival of Flowers - 20th to 27th September 2014				
SAT 27/09/2014	I C -			,	twice daily 21/9 to 26/9 and once 27/9			
	1 F							
		0630 Sun - 1730 Sun	Oakey - Jondaryan Coal Siding	Re-Conditioning				
SUN 28/09/2014	C	0700 Sun - 1700 Sun	Tycanba - Baining	Re-Conditioning				
		0700 Sun - 1700 Sun	Ipswich - 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 [
SUN 05/10/2014	D							
MON 06/10/2014	Α			LABOUR DAY				
WON 00/10/2014	A							
		0200 Sat - 0230 Mon	Corinda - Rosewood		Ipswich Line Shutdown			
	I [0630 Sat - 1730 Sun	Oakey - Jondaryan Coal Siding	Re-Conditioning				
SAT 11/10/2014	A	0630 Sat - 1700 Sun	Malu - Bowenville	Re-Conditioning				
SAT 11/10/2014		0600 Sat - 1800 Sun	Grandchester Yard	Signals				
	I F		Grantham - Helidon	Bridge Maintenance				
		0700 Sat - 1700 Sat						
		0700 Sat - 1700 Sat 0600 Sat - 0600 Mon	Fisherman Island		Coal Unloader Closure			
			Fisherman Island Corinda - Rosewood					
		0600 Sat - 0600 Mon 0200 Sat - 0230 Mon	Corinda - Rosewood	Re-Conditioning	Coal Unloader Closure Ipswich Line Shutdown			
SUN 12/10/2014	A	0600 Sat - 0600 Mon 0200 Sat - 0230 Mon 0630 Sat - 1730 Sun	Corinda - Rosewood Oakey - Jondaryan Coal Siding	Re-Conditioning				
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SUN 12/10/2014	A	0600 Sat - 0600 Mon 0200 Sat - 0230 Mon 0630 Sat - 1730 Sun 0630 Sat - 1700 Sun 0600 Sat - 1800 Sun	Corinda - Rosewood Oakey - Jondaryan Coal Siding Malu - Bowenville Grandchester Yard		Ipswich Line Shutdown			
SUN 12/10/2014	A	0600 Sat - 0600 Mon 0200 Sat - 0230 Mon 0630 Sat - 1730 Sun 0630 Sat - 1700 Sun	Corinda - Rosewood Oakey - Jondaryan Coal Siding Malu - Bowenville	Re-Conditioning				
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	-	0600 Sat - 0600 Mon 0200 Sat - 0230 Mon 0630 Sat - 1730 Sun 0630 Sat - 1700 Sun 0600 Sat - 1800 Sun	Corinda - Rosewood Oakey - Jondaryan Coal Siding Malu - Bowenville Grandchester Yard	Re-Conditioning	Ipswich Line Shutdown			
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SAT 18/10/2014 SUN 19/10/2014	B	0600 Sat - 0600 Mon 0200 Sat - 0230 Mon 0630 Sat - 1730 Sun 0630 Sat - 1700 Sun 0600 Sat - 1800 Sun 0600 Sat - 1800 Sun	Corinda - Rosewood Oakey - Jondaryan Coal Siding Malu - Bowenville Grandchester Yard Fisherman Island	Re-Conditioning Signals	Ipswich Line Shutdown			
SAT 18/10/2014 SUN 19/10/2014 SAT 25/10/2014	B B C	0600 Sat - 0600 Mon 0200 Sat - 0230 Mon 0630 Sat - 1730 Sun 0630 Sat - 1700 Sun 0600 Sat - 1800 Sun 0600 Sat - 0600 Mon 0600 Sat - 0600 Mon	Corinda - Rosewood Oakey - Jondaryan Coal Siding Malu - Bowenville Grandchester Yard Fisherman Island	Re-Conditioning Signals Re-Conditioning Re-Conditioning	Ipswich Line Shutdown			
SAT 18/10/2014 SUN 19/10/2014	B	0600 Sat - 0600 Mon 0200 Sat - 0230 Mon 0630 Sat - 1730 Sun 0630 Sat - 1700 Sun 0600 Sat - 1800 Sun 0600 Sat - 1800 Sun	Corinda - Rosewood Oakey - Jondaryan Coal Siding Malu - Bowenville Grandchester Yard Fisherman Island	Re-Conditioning Signals	Ipswich Line Shutdown			
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SAT 18/10/2014 SUN 19/10/2014 SAT 25/10/2014 SUN 26/10/2014	B B C C	0600 Sat - 0600 Mon 0200 Sat - 0230 Mon 0630 Sat - 1730 Sun 0630 Sat - 1700 Sun 0600 Sat - 1800 Sun 0600 Sat - 0600 Mon 0600 Sat - 0600 Mon 0630 Sun - 1730 Sun 0630 Sun - 1730 Sun	Corinda - Rosewood Oakey - Jondaryan Coal Siding Malu - Bowenville Grandchester Yard Fisherman Island Oakey - Jondaryan Coal Siding Tycanba - Baining Murphy's Creek - Rangeview	Re-Conditioning Re-Conditioning Re-Conditioning Re-Conditioning Re-Conditioning	Ipswich Line Shutdown			
SAT 18/10/2014 SUN 19/10/2014 SAT 25/10/2014	B B C	0600 Sat - 0600 Mon 0200 Sat - 0230 Mon 0630 Sat - 1730 Sun 0630 Sat - 1700 Sun 0600 Sat - 1800 Sun 0600 Sat - 1800 Sun 0600 Sat - 0600 Mon	Corinda - Rosewood Oakey - Jondaryan Coal Siding Malu - Bowenville Grandchester Yard Fisherman Island Oakey - Jondaryan Coal Siding Tycanba - Baining	Re-Conditioning Signals	Ipswich Line Shutdown			
SAT 18/10/2014 SUN 19/10/2014 SAT 25/10/2014 SUN 26/10/2014	B B C C	0600 Sat - 0600 Mon 0200 Sat - 0230 Mon 0630 Sat - 1730 Sun 0630 Sat - 1700 Sun 0600 Sat - 1800 Sun 0600 Sat - 0600 Mon 0600 Sat - 0600 Mon 0630 Sun - 1730 Sun 0630 Sun - 1730 Sun	Corinda - Rosewood Oakey - Jondaryan Coal Siding Malu - Bowenville Grandchester Yard Fisherman Island Oakey - Jondaryan Coal Siding Tycanba - Baining Murphy's Creek - Rangeview	Re-Conditioning Re-Conditioning Re-Conditioning Re-Conditioning Re-Conditioning	Ipswich Line Shutdown			
SAT 18/10/2014 SUN 19/10/2014 SAT 25/10/2014 SUN 26/10/2014 MON 27/10/2014	B B C C D	0600 Sat - 0600 Mon 0200 Sat - 0230 Mon 0630 Sat - 1730 Sun 0630 Sat - 1700 Sun 0600 Sat - 1800 Sun 0600 Sat - 0600 Mon 0600 Sat - 0600 Mon 0630 Sun - 1730 Sun 0630 Sun - 1730 Sun	Corinda - Rosewood Oakey - Jondaryan Coal Siding Malu - Bowenville Grandchester Yard Fisherman Island Oakey - Jondaryan Coal Siding Tycanba - Baining Murphy's Creek - Rangeview	Re-Conditioning Re-Conditioning Re-Conditioning Re-Conditioning Re-Conditioning	Ipswich Line Shutdown			
SAT 18/10/2014 SUN 19/10/2014 SAT 25/10/2014 SUN 26/10/2014	B B C C	0600 Sat - 0600 Mon 0200 Sat - 0230 Mon 0630 Sat - 1730 Sun 0630 Sat - 1700 Sun 0600 Sat - 1800 Sun 0600 Sat - 0600 Mon 0600 Sat - 0600 Mon 0630 Sun - 1730 Sun 0630 Sun - 1730 Sun	Corinda - Rosewood Oakey - Jondaryan Coal Siding Malu - Bowenville Grandchester Yard Fisherman Island Oakey - Jondaryan Coal Siding Tycanba - Baining Murphy's Creek - Rangeview	Re-Conditioning Re-Conditioning Re-Conditioning Re-Conditioning Re-Conditioning	Ipswich Line Shutdown			
SAT 18/10/2014 SUN 19/10/2014 SAT 25/10/2014 SUN 26/10/2014 MON 27/10/2014	B B C C D	0600 Sat - 0600 Mon 0200 Sat - 0230 Mon 0630 Sat - 1730 Sun 0630 Sat - 1700 Sun 0600 Sat - 1800 Sun 0600 Sat - 0600 Mon 0600 Sat - 0600 Mon 0630 Sun - 1730 Sun 0630 Sun - 1730 Sun	Corinda - Rosewood Oakey - Jondaryan Coal Siding Malu - Bowenville Grandchester Yard Fisherman Island Oakey - Jondaryan Coal Siding Tycanba - Baining Murphy's Creek - Rangeview	Re-Conditioning Re-Conditioning Re-Conditioning Re-Conditioning Re-Conditioning	Ipswich Line Shutdown			
SAT 18/10/2014 SUN 19/10/2014 SAT 25/10/2014 SUN 26/10/2014 MON 27/10/2014 SAT 01/11/2014	B B C C D D	0600 Sat - 0600 Mon 0200 Sat - 0230 Mon 0630 Sat - 1730 Sun 0630 Sat - 1700 Sun 0600 Sat - 1800 Sun 0600 Sat - 0600 Mon 0600 Sat - 0600 Mon 0630 Sun - 1730 Sun 0630 Sun - 1730 Sun	Corinda - Rosewood Oakey - Jondaryan Coal Siding Malu - Bowenville Grandchester Yard Fisherman Island Oakey - Jondaryan Coal Siding Tycanba - Baining Murphy's Creek - Rangeview	Re-Conditioning Re-Conditioning Re-Conditioning Re-Conditioning Re-Conditioning	Ipswich Line Shutdown			
SAT 18/10/2014 SUN 19/10/2014 SAT 25/10/2014 SUN 26/10/2014 MON 27/10/2014	B B C C D	0600 Sat - 0600 Mon 0200 Sat - 0230 Mon 0630 Sat - 1730 Sun 0630 Sat - 1700 Sun 0600 Sat - 1800 Sun 0600 Sat - 0600 Mon 0600 Sat - 0600 Mon 0630 Sun - 1730 Sun 0630 Sun - 1730 Sun	Corinda - Rosewood Oakey - Jondaryan Coal Siding Malu - Bowenville Grandchester Yard Fisherman Island Oakey - Jondaryan Coal Siding Tycanba - Baining Murphy's Creek - Rangeview	Re-Conditioning Re-Conditioning Re-Conditioning Re-Conditioning Re-Conditioning	Ipswich Line Shutdown			



					Cleveland Line Shutdown
		0630 Sat - 1700 Sun	Malu - Bowenville	Re-Conditioning	Cleveland Line Shuddown
SAT 08/11/2014	A	0930 Sat - 1730 Sun	Laidley - Forest Hill	Re-Conditioning	
	1	toto out mot oun	Eddey Foreserin	The conditioning	
					Cleveland Line Shutdown
SUN 00/11/2014	Α	0630 Sat - 1700 Sun	Malu - Bowenville	Re-Conditioning	
SUN 09/11/2014		0930 Sat - 1730 Sun	Laidley - Forest Hill	Re-Conditioning	
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01101 4014410044					
SUN 16/11/2014	B				
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SAT 22/11/2014	с				
SAT 22/11/2014					
		0630 Sun - 1730 Sun	Onlyny, Jandensen Cont Sidion	Pa Conditioning	
SUN 23/11/2014	с		Oakey - Jondaryan Coal Siding	Re-Conditioning	
3011 23/11/2014		0630 Sun - 1700 Sun	Malu - Bowenville	Re-Conditioning	
		0630 Mon - 1730 Mon	Murphy's Creek - Rangeview	General Maintenance	
		0630 Mon - 1730 Mon	Malu - Bowenville	Re-Conditioning	
MON 24/11/2014	D	0630 Mon - 1730 Mon	Willowburn - Gowrie	Re-Conditioning	
SAT 29/11/2014	D				
SUN 30/11/2014	D [
SAT 06/12/2014	C				
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		0700 Sun - 1700 Sun	Grantham - Helidon	Formation	
	1	0700 Sun - 1700 Sun	Rosewood - Grandchester	Formation	
SUN 07/12/2014	C	0730 Sun - 1230 Sun	Oakey - Dalby	Ultrasonic Test Car	
	1 1		ouncy buildy	endorme rescour	
					Beenleigh Line Shutdown
		0001 Sat - 0300 Mon	Yeerongpilly		
		0001 Sat - 0300 Mon 0700 Sat - 1700 Sun	Yeerongpilly Malu - Bowenville	Formation	
SAT 13/12/2014		0700 Sat - 1700 Sun 0700 Sat - 1700 Sun	Malu - Bowenville Columboola - Rainby	Formation Formation	
SAT 13/12/2014	A	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0900 Sat - 1500 Sat	Malu - Bowenville Columboola - Rainby Helidon - Toowoomba	Formation Ultrasonic Test Car	
SAT 13/12/2014	А	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun	Malu - Bowenville Columboola - Rainby	Formation	
SAT 13/12/2014	A	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0900 Sat - 1500 Sat	Malu - Bowenville Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hill	Formation Ultrasonic Test Car Re-Conditioning	
SAT 13/12/2014	A	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0900 Sat - 1500 Sat 0930 Sat - 1730 Sun	Malu - Bowerwille Columboola - Rainby Heldon - Toowoomba Laidley - Forest Hill Ipswich Workshops - Grandchester	Formation Ultrasonic Test Car	- - - - - - - - - - - - - - - - - - - - - - - - - -
SAT 13/12/2014	A	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0900 Sat - 1500 Sat 0930 Sat - 1730 Sun 0030 Sat - 0300 Mon	Malu- Bowenville Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hil Ipswich Workshops - Grandchester Yeerongpilly	Formation Utrasonic Test Car Re-Conditioning Ipswich Workshops to Grandchester Charter	Beenleigh Line Shutdown
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SUN 14/12/2014 SAT 20/12/2014	A	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0900 Sat - 1700 Sat 0930 Sat - 1730 Sun 0001 Sat - 0300 Mon 0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0730 Sun - 1530 Sun	Malu- Bowerville Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hill Ipswich Workshops - Grandchester Yeerongpilly Malu - Bowerville Columboola - Rainby Oakey - Heldon	Formation Ultrasonic Test Car Re-Conditioning Ipswitch Workshops to Grandchester Charter Formation Formation Ultrasonic Test Car	- - - - - - - - - - - - - - - - - - - - - - - - - -
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SUN 14/12/2014 SAT 20/12/2014	A	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0900 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	Malu- Bowerville Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hil Ipswich Workshops - Grandchester Yeerongpilly Malu - Bowerville Columboola - Rainby Oakey - Heldon Laidley - Forest Hil	Formation Utrasonic Test Car Re-Conditioning Ipswich Workshops to Grandchester Charter Formation Formation Utrasonic Test Car Re-Conditioning	- - - - - - - - - - - - - - - - - - - - - - - - - -
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014	A B B	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0900 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 0930 Sat - 1730 Sun	Malu- Bowerville Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hill Ipswich Workshops - Grandchester Yeerongpilly Malu- Bowerville Columboola - Rainby Oakey - Helidon Laidley - Forest Hill	Formation Utrasonic Test Car Re-Conditioning Formation Formation Formation Utrasonic Test Car Re-Conditioning General Maintenance	- - - - - - - - - - - - - - - - - - - - - - - - - -
SUN 14/12/2014 SAT 20/12/2014	A	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0900 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	Malu- Bowerville Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hil Ipswich Workshops - Grandchester Yeerongpilly Malu - Bowerville Columboola - Rainby Oakey - Heldon Laidley - Forest Hil	Formation Utrasonic Test Car Re-Conditioning Ipswich Workshops to Grandchester Charter Formation Formation Utrasonic Test Car Re-Conditioning	- - - - - - - - - - - - - - - - - - - - - - - - - -
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014	A B B	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0900 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 0930 Sat - 1730 Sun	Malu- Bowerville Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hil Ipswich Workshops - Grandchester Yeerongpilly Malu - Bowerville Columboola - Rainby Oakey - Heldon Laidley - Forest Hil Murphy's Creek - Rangeview Rosewood - Grandchester	Formation Utrasonic Test Car Re-Conditioning Utrasonic Test Car Formation Formation Utrasonic Test Car Re-Conditioning General Maintenance Re-Conditioning	- - - - - - - - - - - - - - - - - - - - - - - - - -
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014 MON 22/12/2014	A B B D	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0900 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 0930 Sat - 1730 Sun	Malu- Bowerville Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hill Ipswich Workshops - Grandchester Yeerongpilly Malu- Bowerville Columboola - Rainby Oakey - Helidon Laidley - Forest Hill	Formation Utrasonic Test Car Re-Conditioning Formation Formation Formation Utrasonic Test Car Re-Conditioning General Maintenance	- - - - - - - - - - - - - - - - - - - - - - - - - -
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014	A B B	0700 Sat - 1700 Sun 0700 Sat - 1700 Sun 0900 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 0930 Sat - 1730 Sun	Malu- Bowerville Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hil Ipswich Workshops - Grandchester Yeerongpilly Malu - Bowerville Columboola - Rainby Oakey - Heldon Laidley - Forest Hil Murphy's Creek - Rangeview Rosewood - Grandchester	Formation Utrasonic Test Car Re-Conditioning Utrasonic Test Car Formation Formation Utrasonic Test Car Re-Conditioning General Maintenance Re-Conditioning	- - - - - - - - - - - - - - - - - - - - - - - - - -
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014 MON 22/12/2014	A B B D	0700 Sat - 1700 Sun 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 0630 Mon - 1730 Mon 0700 Mon - 1730 Mon 0800 Sat - 1730 Sun	Malu-Bowerville Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hil Ipswich Workshops - Grandchester Yeerongpily Malu - Bowerville Columboola - Rainby Oakey - Helidon Laidley - Forest Hil Murphy's Creek - Rangeview Rosewood - Grandchester Spring Bluff - Rangeview	Formation Utrasonic Test Car Re-Conditioning Formation Formation Utrasonic Test Car Re-Conditioning General Maintenance Re-Conditioning Re-Railing	- - - - - - - - - - - - - - - - - - - - - - - - - -
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 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 0930 Sat - 1730 Sun	Malu- Bowerville Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hil Ipswich Workshops - Grandchester Yeerongpilly Malu - Bowerville Columboola - Rainby Oakey - Heldon Laidley - Forest Hil Murphy's Creek - Rangeview Rosewood - Grandchester	Formation Utrasonic Test Car Re-Conditioning Utrasonic Test Car Formation Formation Utrasonic Test Car Re-Conditioning General Maintenance Re-Conditioning	- - - - - - - - - - - - - - - - - - - - - - - - - -
SUN 14/12/2014 SAT 20/12/2014 SUN 21/12/2014 MON 22/12/2014	A B B D	0700 Sat - 1700 Sun 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 0630 Mon - 1730 Mon 0700 Mon - 1730 Mon 0800 Sat - 1730 Sun	Malu-Bowerville Columboola - Rainby Helidon - Toowoomba Laidley - Forest Hil Ipswich Workshops - Grandchester Yeerongpily Malu - Bowerville Columboola - Rainby Oakey - Helidon Laidley - Forest Hil Murphy's Creek - Rangeview Rosewood - Grandchester Spring Bluff - Rangeview	Formation Utrasonic Test Car Re-Conditioning Formation Formation Utrasonic Test Car Re-Conditioning General Maintenance Re-Conditioning Re-Railing	- - - - - - - - - - - - - - - - - - - - - - - - - -

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 B: Only includes TOTAL CLOSUF	Recent Cl	nce Time Available nanges / Additions		stern Coa	<mark>enslandRail</mark> I Supply Ch gnment Calendai	
Weekend	Week Type	Times	Location		Western	Suburban
SAT 18/04/2015	с	0600 Sat - 2359 Tue 0600 Sat - 1800 Tue	Malu - Bowenville Macalister - Brigalow	Drain Renewal Bridge Maintenance		
SUN 19/04/2015	с	0600 Sat - 2359 Tue 0600 Sat - 1800 Tue 0700 Sun - 1500 Sun 0800 Sun - 1215 Sun	Malu - Bowenville Macalister - Brigalow Rosewood - Yarongmulu Helidon - Toowoomba	Drain Renewal Bridge Maintenance Ballasting NDT Car		
MON 20/04/2015	D	0600 Sat - 2359 Tue 0600 Sat - 1800 Tue 0600 Mon - 1800 Tue 0800 Mon - 1230 Mon	Malu - Bowenville Macalister - Brigalow Malu Yard Toowoomba - Malu	Drain Renewal Bridge Maintenance Formation NDT Car		
SAT 25/04/2015	D	1345 Sat - 1500 Sat	Kingsthorpe Yard	No Train Period		
SUN 26/04/2015	D					
SAT 02/05/2015	A	0200 Sat - 0300 Mon 0730 Sat - 1730 Sun 0600 Sat - 1800 Sun 0600 Sat - 2359 Sun 0600 Sat - 2359 Sun 0630 Sat - 2359 Sun 0600 Sat - 1730 Sun	Corinda - Rosewood BiBlaxland - Dalby Oakey - Jondaryan Coal Siding Holmes - Rangeview Grandchester - Yarongmulu Holmes - Spring Bluff Columboola Yard	Bridge Maintenance Re-Conditioning Third Party Third Party Re-Railing Level Crossing		Ipswich Line Shutdown. Westlander stows Toowoomba
SUN 03/05/2015	A	0200 Sat - 0300 Mon 0730 Sat - 1730 Sun 0600 Sat - 1800 Sun 0600 Sat - 2359 Sun 0600 Sat - 2359 Sun 0630 Sat - 2359 Sun 0600 Sat - 1730 Sun	Corinda - Rosewood Billaxland - Dalby Oakey - Jondaryan Coal Siding Holmes - Rangeview Grandchester - Yarongmulu Holmes - Spring Bluff Columboola Yard	Bridge Maintenance Re-Conditioning Third Party Third Party Re-Railing Level Crossing		Ipswich Line Shutdown. Westlander stows Toowoomba
SAT 09/05/2015	в					
SUN 10/05/2015	В					
SAT 16/05/2015	с					



		0600 Sun - 1830 Sun	Grandchester - Yarongmulu	Third Party	
SUN 17/05/2015	С	0600 Sun - 1800 Sun	Oakey - Jondaryan Coal Siding	Re-Conditioning	
	Ŭ	0630 Sun - 1800 Sun	Lockyer - Murphy's Creek	Bridge Maintenance	
		0600 Mon - 1730 Mon	Grandchester - Yarongmulu	Third Party	
		0700 Mon - 1400 Mon	Laidley - Forest 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				
SUN 24/05/2015	D				
	-				
SAT 30/05/2015	С				
	•				
		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	с	0600 Sun - 1800 Sun	Baining - Macalister	Formation	
3014 31/03/2013	C	0600 Sun - 2000 Sun	Yarongmulu - Laidley	Formation	
		0630 Sun - 1800 Sun	Forest Hill Yard	Undercutting	
		0700 Sun - 1700 Sun	Redbank - Ipswich	Ondercutting	No Train Period
	_	0630 Mon - 1800 Mon		Rides Maintenana	No train Penod
			Baining - Macalister	Bridge Maintenance	
		0700 Mon - 1730 Mon	Yarongmulu - Laidley	Re-Railing	
MON 01/06/2015	D	0600 Mon - 1800 Mon	Toowoomba Brook Street - Willowburn	Welding	
		0600 Mon - 1800 Mon	Baining - Macalister	Formation	
	-				
SAT 06/06/2015	D				
	_				
SUN 07/06/2015	D				
MON 08/06/2015	С			QUEENS BIRTHDAY	
	-			QUELITO DITTIDITI	•
	-				
SAT 13/06/2015	С				
	-	0700 Sun - 1700 Sun	Redbank - Ipswich		No Train Period
SUN 14/06/2015	С				
		0600 Sat - 1800 Sun	Oakey - Jondaryan Coal Siding	Re-Conditioning	
SAT 20/06/2015	A	0600 Sat - 1800 Sun	Spring Bluff - Rangeview	Re-Railing	
5/11 20/00/2010	~	0030 Sat - 0030 Mon	Laidley - Forest Hill	Bridge Construction	Westlander stows Toowoomba
		0010 Sat - 0230 Mon	Park Road - Lytton Junction		Cleveland Line Shutdown
		0600 Sat - 1800 Sun	Oakey - Jondaryan Coal Siding	Re-Conditioning	
SUN 21/06/2015	A	0600 Sat - 1800 Sun	Spring Bluff - Rangeview	Re-Railing	
301121/00/2010	~	0030 Sat - 0030 Mon	Laidley - Forest Hill	Bridge Construction	Westlander stows Toowoomba
		0010 Sat - 0230 Mon	Park Road - Lytton Junction		Cleveland Line Shutdown
SAT 27/06/2015	в				
SUN 28/06/2015	в				
		0200 Sat - 0300 Mon			
		(Times TBC)	Corinda - Rosewood		Ipswich Line Shutdown. Westlander stows Toowoomba
SAT 04/07/2015	A	0030 Sat - 0030 Mon	Laidley - Forest Hill	Bridge Construction	
SAT 04/07/2015	A	0030 Sat - 0030 Mon 0600 Sat - 1800 Sun	Laidley - Forest Hill Spring Bluff - Rangeview	Bridge Construction Re-Railing	
SAT 04/07/2015	A	0030 Sat - 0030 Mon 0600 Sat - 1800 Sun 0730 Sat - 1745 Sat	Laidley - Forest Hill Spring Bluff - Rangeview Spring Bluff - Rangeview	Bridge Construction Re-Railing Welding	



SNN 897/391A.A. Laker, hearing BalanceMain CalculationAAT 1197/2014B.IndexIndexIndexIndexSNN 1977/2014B.IndexIndexIndexIndexSNN 1977/2014G.IndexIndexIndexIndexSNN 1977/2014G.IndexIndexIndexIndexSNN 1977/2014G.IndexIndexIndexIndexSNN 1977/2014G.IndexIndexIndexIndexSNN 1987/2014G.IndexIndexIndexIndexSNN 1987/2014G.IndexIndexIndexIndexSNN 1988/2014G.IndexIndexIndexIndexSNN 1988/2014G.IndexIndexInde			0200 Sat - 0300 Mon (Times TBC)	Corinda - Rosewood		Ipswich Line Shutdown. Westlander stows Toowoomba
Image: state	SUN 05/07/2015	Α	0030 Sat - 0030 Mon	Laidley - Forest Hill	Bridge Construction	
Art 1977/01 B Image: Control of the second			0600 Sat - 1800 Sun	Spring Bluff - Rangeview	Re-Railing	
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AT 01082015 A 1008 98 - 1008 98 m or 1008 m or 1008 m or 1008 98 m or 1008 98 m or 1008 98 m or 1008 m o	SUN 26/07/2015	C	(Times TBC) 0700 Sup - 1700 Sup	Corinda - Redbank	oranucitester steamtest	No Train Period
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SUN 02008/015 A 0005 Stat 900 Man Listby, Front 10 Ope Contunion Helinde claus Toosonita SAT 08008/015 B	SAT 01/08/2015	A	0800 Sat - 1630 Sat	Rangeview - Harlaxton		
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SUN 13/09/2015 A 0030 Sat - 0030 Mon Laidley - Forest Hill Bridge Construction (contingency) Westlander stows Toowoomba (if contingency is required) A 0630 Sat - 1730 Sun Holmes - Spring Bluff Re-Railing			0001 Sat - 0310 Mon	Dutton Park - Yeeronapilly		Beenleigh Line Shutdown
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0001 Sat - 0310 Mon Dutton Park - Yeerongpilly Beenleigh Line Shutdown	SUN 12/00/2015	A	0630 Sat - 1730 Sun	Holmes - Spring Bluff	Re-Railing	
	3014 13/03/2013					



SAT 19/09/2015	в		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 daily 20/9 to 26/9
SUN 20/09/2015	в		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 daily 20/9 to 26/9
SAT 26/09/2015	с		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
SUN 27/09/2015	с	0700 Sun - 1700 Sun	Corinda - Redbank		No Train Period
001121/0012010	Ŭ				
		0600 Sat - 1800 Mon	Spring Bluff - Rangeview	Re-Railing	
SAT 03/10/2015	Α	0000.0 / 0000.7			
		0200 Sat - 0230 Tue 0600 Sat - 1800 Mon	Spring Bluff - Rangeview	Re-Railing	Wulkuraka Stable Yard works - Commissioning
SUN 04/10/2015	Α	0000 Sat - 1000 Mon	Spring biun - Rangeview	Re-Raining	
001104/10/2010	~	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	
			oping blan Hangorien	rortaning	
		0200 Sat - 0230 Tue			Wulkuraka Stable Yard works - Commissioning
	1				
SAT 10/10/2015	В				
SUN 11/10/2015	в				
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MON 26/10/2015	D				
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SUN 15/11/2015	D				
		0600 Sat - 1800 Sun	Spring Bluff - Rangeview	Re-Railing	
SAT 21/11/2015	A	0010 Sat - 0230 Mon	Park Road - Lytton Junction		Cleveland Line Shutdown. Westlander runs
		0600 Sat - 1800 Sun	Spring Bluff - Rangeview	Re-Railing	
SUN 22/11/2015	A	0010 Sat - 0230 Mon	Park Road - Lytton Junction		Cleveland Line Shutdown. Westlander runs
SAT 28/11/2015	в				
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SUN 06/12/2015		0700 Sun - 1700 Sun	Corinda - Redbank		No Train Period
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SAT 12/12/2015	A	0001 Sat - 0310 Mon	Dutton Park - Yeerongpilly		Beenleigh Line Shutdown. Westlander runs
01111 40/40/0045		0600 Sat - 1800 Sun	Toowoomba	Re-Railing	
SUN 13/12/2015	A	0001 Sat - 0310 Mon	Dutton Park - Yeerongpilly		Beenleigh Line Shutdown. Westlander runs
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Attachment 3: SCAS Co-ordination Group Minutes February 2015

Attachment 4: SCAS Calendar Sep-Dec 2014

	Shu		s and Isolations 2014			Updated 28/08/2014	### Sa	## Sur S	a Su S	Sep- Sa Su	2014 Sa S	l u Sa Su	un Sa	_	Oct-3 Sa Su		_	ku Sa	Su Sa		/-14 Su Si	a Su S	a Su	Sa Su	Dec Sa Su	⊱14 Sa Su	Sa Sa
Mth	SCAS	Corridor	Shutdown Details	Start Date	Finish Date	Major Planned Works / Special Events	30	31 6	6 7	13 14	20 2	1 27 2	8 4	5 1	11 12	18 19	25 2	6 1	2 8	9 15	16 2	2 23 2	9 30	6 7	13 14	20 21	27 28
				Date	Date	School Holidays		+		+							\square						+				
						Freight Services	С	CI	DD	A A	BE	3 C C	D	D	A A	BB	CO	D	DA	A B	BC	CI) D	CC	AA	BB	DD
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																					\square
Aug	WE	North Coast	Closure : Northgate to Caboolture 0200 Sat - 2359 Sun ISO 1: 0200 Sat to 2359 Sun Buses Northgate to Gympie North			Baid Hills VLOM & MEN Inspections: Structures, track, civil and engineering MBRL L2P Works Rerail Petrie & Baid Hills Overhead Maintenance - Brupengary to Caboolture Telegraph Rd Level Xing Recon Down & Middle Rd Mullet Creek Bridge Cameldine Recondition Down & Middle Rd Station Uggrade Maintenance Caboolture																					
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	Replace Vee 12 Points Compie North Replace Vee 7 Points Cocroy Bridge Stage Examinations Traveston to Gympie Nth Recondition Ballast Deck Bridge Glanmire																					
Sep Sep	SE WN	Special Event Ferny Grove Line	Closure : Clear of Flyover to Ferny Grove 2200 Mon to 0400			Queen + Adam Lambert, Brisbane Entertainment Centre, Boondall Mitchelton TSC Replacement Project					\square		-		_								\square	Ħ	\blacksquare	F	Ħ
			Tues ISO 2200 Mon to 0400 Tues Buses Bowen Hills to Ferny Grove																							i '	
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																					\square
Sep	WN	Western Corridor	Closure (pswich to Rosewood 2300 to 0330 Wed & Thurs Up Main ISO 2200 to 0330 Wed & Thurs Buses (pswich to Rosewood Freight S.W. Down Main			DPOH Wulkaraka NGR																					
Sep	AL OH MTCE	Inner City Line	Closure : Roma Street to Bowen Hills 2245 Wed to 0400 Thurs Al Roade & Up & Dn Sube Bowen Hills to Abion & Up & Dn Ferny 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 Exhibition then Up & Dn mains Mayne to Abion			Comment - Albion Overthead Maintenance to confirm exact isolation section requirements Black Box Maintenance Request for 2100ms Start on Up Suburban Only																					
Sep	SE	Special Event				NRL - Titans v Cantebery Bulldogs - 1500hrs Sun - Robina Stadium																	+ -	+ -		нĒ	\square
Sep	WE PROJ	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 Resleepering Resleeper Up Sub Sandgate Platform Replace GLI SE5 Insert Switch & Stock Rail 770B Points																					



<u> </u>							_	_		 _	_		_	_	_			_	-	_	
Sep	WE PROJ	Inner City Line	Closure : Corinda to Milton Main Lines	6/09/2014	8/09/2014	Chelmer Recondition															Т
			0200 Sat to 0200 Mon ISO 0200 Sat to 1615 Sun			Indooroopilly Bridge Inspection															Т
			Buses Nil Freight Via South Brisbane			Rerail 9.387km to 9.688km and 8.040km to 7.900km Dn Main															Т
						Bridge Ends, Chelmer St East															Т
						Slew Down Main, Chelmer St East															
						Tamper 467 Dwn Main Sherwood															Т
						Resurface 8.2km to 8.8km Cant adjustment Indooroopilly Bridge to 407 Points															
						Vegetation Control Project Milton															
Sep	SE	Special Event		7/09/2014		Steam Train Sunday Roma St City Loop															1
Sep	SE	Special Event		7/09/2014		Bridge to Brisbane 7 Sept															
Sep	AL OH	Inner City Line	Closure : Corinda to Bowen Hills & South Brisbane All Roads	7/09/2014		Albion Overhead Maintenace															1
	MTCE		2245 Sun to 0400 Mon			St James College Tunnel Survey															
			ISO 1: Roma St Neutral Section to Bowen Hills 2245 Sun to			Adzing Timbers 228A/B Roma St															
			0400 Mon Russa Rausa Hills (Allisia la Casiada & Dadi Dal																		
			Buses Bowen Hills / Albion to Corinda & Park Rd Freight - Closure during Natural Freight Window																		
Sep	WN	Western Corridor	Closure Ipswich to Rosewood 2200 to 0330 Mon, Tues, Wed.	8/00/2014	12/00/2014	Nechanical Replaceating				_						_	+			++	-
Sep	VVIN	western corridor	Thurs Up Main	0/03/2014	12/09/2014	DPOH - Wulkaraka NGR															
			ISO 2200 to 0330			bron- Wakaraka Hort															
			Buses Ipswich to Rosewood																		
			Freight SLW Down Main																		
Sep	GOA	Inner City Line	Central	9/09/2014	10/09/2014	GOA Alliance: Platform 1: 2230 to 0430 Closure & Isolation															1
						Platform 6: 0030 to 0430 Closure & Isolation															
Sep	WN	Gold Coast/Beenleigh Line	Closure : Kuraby to Beenleigh Last Train to First Train Up &	9/09/2014	10/09/2014	Box up Turnouts Kingston to Kuraby															1
			Down Mains Buses Kuraby to Beenleigh																	++	_
Sep	WN	Gold Coast/Beenleigh Line	Closure : Kuraby to Beenleigh Last Train to First Train Up &	10/09/2014	11/09/2014	Box up Turnouts Kingston to Kuraby															
0		lance Otto Line	Down Mains Buses Kuraby to Beenleigh	40000044	44/00/0044	All in Original Meldanas				_						_	+			++	-
Sep	AL OH	Inner City Line	Closure : Roma Street to Bowen Hills 2245 Wed to 0400 Thurs	10/09/2014	11/09/2014	Albion Overhead Maintenace Retimber 251 Points DS Central															
	MTCE		All Roads & Up & Dn Subs Bowen Hills to Albion & Up & Dn Ferny Grove Lines Bowen Hills to Windsor TBC			Graffiti Removal Fortitude Valley															
			ISO 1: 2245 Wed to 0400 Thurs			LED Upgrade Fortitude Valley															
			Buses: Park Rd & Milton to Albion & Ferry Grove			Structure Repairs Fortitude Valley															
			Freight: via Up & Down Exhibitions then Up & Dn mains Mayne																		
			to Albion																		
Sep	SE	Special Event		13/09/2014	13/09/2014	Wallabies vs Argentina Robina Stadium								П			П				1
Sep	WE PROJ	Fisherman Islands	Closure Fisherman Islands	12/09/2014	16/09/2014	Rerail Coal Unloader															1
· ·			#1 - 0600 Fri to 0600 Tues (No Western Coal 96 hrs)			Re-lay provisioning Road															
			Provisioning Rd Clear of Dual Gauge			Replace Switch & Stock Rail 133 Points															
			#2 - 1900 Sat to 1800 Mon (Freight Free after Sea Freighters)			Replace Vee & Timbers 126 Points															
			All Roads Clear FS62			Rerail DG Through Boat Ramp Rd															
Sep	WE PROJ	Western Corridor	Closure Corinda to Wacol All Roads	13/09/2014	14/09/2014	Darra UPS Upgrade Works (Stage 1 - Installation) Signal Outage															1
			2200 Sat to 0400 Sun																		
			Buses Corinda to Redbank & Springfield																		
Sep	SE	Special Event				Broncos NRL Final TBC															
Sep	SE	Special Event		13/09/2014		Flower Show Steam Train - Ipswich to Laidley & Grandchester Return															
Sep	AL OH	Mayne Yard	Closure : Mayne Yard 1000 to 1600 Sat	13/09/2014	13/09/2014	Albion Overhead Maintenance															1
	MTCE		ISO 1: 1000 to 1600 Sat																		
Sep	AL OH	Inner City Line	Closure : Bowen Hills to Northgate 2245 Sat to 0400 Sun ISO	13/09/2014	14/09/2014	Albion Overhead Maintenance All Roads Albion to Bowen Hills															
	MTCE		1: 2245 Sat to 0400 Sun			Tree Removal on Suburbans TBC															
			Buses: Bowen Hills to Northgate			706C/D/E US Eagle Junction Turnout Maintenance															
			Freight: Closure during Natural Freight Window			700C/D/E UM Eagle Junction Turnout Maintenance															
						701C/D/E DS Eagle Junction Turnout Maintenance															
Sep	SE	Special Event		14/09/2014		Andrea Bocelli Concert - Boondall Entertainment Centre															
Sep	WE	Western Corridor	Closure Ipswich to Rosewood 0200 Sun to 0300 Mon TBC	14/09/2014		DPOH Wulkaraka NGR															1
			ISO 0200 to 1700 Sun			Mechanised Resleepering Walloon															
			Buses Ipswich to Rosewood			Replace Vee 8A Points Yarrowlea															
			Freight Nil			Retimber 8A, 8B & 7 Points Yarrawlea														++	_
Sep	AL OH	Inner City Line	Closure : Bowen Hills to Northgate all roads 2245 Sun to 0400	14/09/2014	15/09/2014																
	MTCE		Mon			706C/D/E US Eagle Junction Turnout Maintenance															1
			ISO 1: 2245 Sun to 0400 Mon			700C/D/E UM Eagle Junction Turnout Maintenance															1
			Buses: Bowen Hills to Northgate Ereight - Closure during Natural Freight Window			701C/D/E DS Eagle Junction Turnout Maintenance															1
\vdash			Ereiont - Closure dunna Natural Freight Window							_				_		_				++	-



Sep	SE	Special Event		15/09/2014	15/09/2014 Kanye West Concert - Boondall Entertainment Centre									11	1 1	1	_
Sep	AL OH	Inner City Line	Closure : Roma Street to Bowen Hills 2245 Wed to 0400 Thurs		18/09/2014 Albion Overhead Maintenance											+ +	+
	MTCE	and only End	All Roads & Up & Dn Subs Bowen Hills to Albion & Up & Dn		Graffiti Removal Fortitude Valley												
			Ferry Grove Lines Bowen Hills to Windsor TBC		GIJ replacement 2.396km												
			ISO 1: 2245 Wed to 0400 Thurs		Defective Rail 2.320km												
			Buses: Roma St to Eagle Junction & Ferny Grove		Structure Repairs Fortitude Valley												
			Freight: via Up & Down Exhibilitions then Up & Dn mains Mayne														
			to Albion														
Sep	SC	School Holidays			6/10/2014 School Holidays 20 Sept - 6 Oct		SC S	CSCS	C SC S	C							
Sep	WE	Inner City Line	Closure : Roma Street to Corinda, Murarrie and Yeerongpilly	20/09/2014	22/09/2014 207A/B Signals Commissioning												
			0200 Sat to 0300 Mon. All roads, except Down Main Roma		Rerail Roma Street to Corinda 16 rails												
			Street to Sherwood & Dual Gauge Yeerongpilly to Murarrie for		Overhead Maintenance - Roma Street Feeder Station												
			freight SLW. ISO 1: 0200 Sat to 0300 Mon. All Roads. Buses		Inspections: Structures, track, civil and engineering												
			Roma Street to Corinda, Murarrie and Yeerongpilly Freight		Rerail Countess St Up & Down Subs 648 Turnout Replacement Geotech investigations												
			Wheels free windows at Roma Street to Sherwood DM 0200 to 0500 Sat. 0100 to 0300 Sun 0900hrs to 1900hrs Sun and 0100		Replace timber bearers 222 & 214 Roma St												
			to 0300 Mon Yeerongpilly to Dutton Park Dual Gauge 0800hrs to		Vegetation Control Project Down Main & Up Sub Roma St												
			1600hrs Sun, XPT Cancelled		Rerail 0.300km to 0.500km Park Rd to Buranda												
			Tobbilis Sull, APT Galicelled		Milton Station Mast Relocation US												
Sep	SE	Special Event		20/09/2014	20/09/2014 Steam Train - Roma St to Towwoomba Return (Carnival of Flowers												
· ·		-			Service)												
Sep	SE	Special Event			27/09/2014 Toowoomba Camivale of Flowers 20-27 Sept												_
Sep	SE	Special Event		21/09/2014	21/09/2014 Steam Train - Roma St to Towwoomba Return (Carnival of Flowers Service)												
Sep	SE	Special Event		22/09/2014	23/09/2014 Robbie Williams Concert - Brisbane Entertainement Centre - Bondall											+	+
Sep	SE	Special Event		23/09/2014	23/09/2014 Robbie Williams Concert - Brisbane Entertainement Centre - Bondall												
Sep	SE	Special Event		23/09/2014	23/09/2014 Steam & Rail Motor Roma St to Ipswick Workshops												
Sep	WN	Cleveland Line	Closure : Buranda to Murarrie 2010 Tue to 0450 Wed	23/09/2014	24/09/2014 696pts switch & stock Cannon Hill												
			Up & Down Suburban Lines		Soil Testing Crown St (Guard & Splay Rail Project)												
			Buses Park Road to Murarrie Freight Via Dual Gauge														
Sep	WN	Cleveland Line	Closure : Buranda to Murarrie 2010 Wed to 0450 Thur	24/09/2014	25/09/2014 693pts vee Stick Welding Cannon Hill												
			Up & Down Suburban Lines		Replace Bull Horns Buranda to Coorparoo												
			Buses Park Road to Murarrie Freight Via Dual Gauge		Lift & Pack Bridge Ends with Hi Rail Excavator Coorparoo to												
					Morningside Soil Testing Crown St (Guard & Splay Rail Project)												
Sep	SE	Special Event		24/09/2014	24/09/2014 Railmotor - Roma St to Towwoomba Return (Camival of Flowers)									++		+	+
Sep	AL OH	Inner City Line	Closure : Roma Street to Bowen Hills Up & Down Mains 2220		25/09/2014 Albion Overhead Maintenance											+	+
	MTCE		Wed to 0400 Thurs														
			ISO Up & Down Mains 2200 Wed to 0400 Thurs														
			Freight: Via Exibition														
Sep	SE	Special Event			27/09/2014 Riverfire												
Sep	SE	Special Event		26/09/2014													\perp
Sep	\$E	Special Event			28/09/2014 QRL Intrust Supercup Grand Final - Suncorp Stadium 1555hrs												-
Sep	WE PROJ	Inner City Line	Closure Milton to Indooroopilly Up & Down Suburban Lines	28/09/2014	28/09/2014 Replace Defective Rails - 2.918km, 3.335km, 4.650km, 4.941km												
			0600 to 1630 Sun TBC														
			Freight Via Main Lines														
Sep	AL OH	Inner City Line		28/09/2014	29/09/2014 Albion Overhead Maintenance - Roma Street Feeder Station												
	MTCE		2245 Sun to 0400 Mon														
			ISO 1: Roma St Neutral Section to Bowen Hills 2245 Sun to 0400 Mon														
			0400 Mon Buses Bowen Hills / Albion to Corinda & Park Rd TBC														
			Freight - Closure during Natural Freight Window														
Con	14/51	Western Corridor		28/00/2044	28/09/2014 DPOH Wulkaraka NGR - contingency for the 13/09								+	++		+	+
Sep	WN	western Corrigor	Main TBC	20/08/2014	Cross hatching level crossing TBC												
			ISO 0700 to 1700 Sun		Stress Testing Loc TBC												
			Buses Ipswich to Rosewood TBC														
			Freight Nil														
Sep	WN	Inner City Line		29/09/2014	30/09/2014 Defective Rail repair 1.095km Up Suburban												
			Lines 2220 Mon to 0400 Tues														
			Buses Roma Street to Bowen Hills / Albion-														



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