Lookout Working Worksite Protection for Broadmeadow Yard routine network maintenance activities



DOCUMENT NO.	D2O22/1423
WORK DESCRIPTION	Routine network maintenance activities
WPP Number	CC7B 10001
SCOPE:	This SWI is applicable for the worksite protection arrangements using lookout working concerning routine network maintenance, defect management and repair of assets within the limits specified below and in the attached plan.
	Work activities include: • Routine preventative and corrective work such as inspections and maintenance as appropriate for the type of protection being applied as part of this plan.
AUTHORISATIONS:	Protection Officer: Protection Officer Level 1 or higher Lookout: Engineering Hand signaller Level 1 or higher or Protection Officer Level 1 or higher.
SAFETY CONTROLS: Lookout working arrangements	The nominated worksite location for Lookout Working includes the Up and Down Main lines Up and Down Relief lines Up and Down Through lines Up and Down Sidings 1 to 8 Decant Sidings Storage / Sidings / Entry / Exit Roads Lambton Road Under Bridge Endeavour Centre
	The nominated worksite location for Lookout Working is a moving worksite, where workers are working along the track within the limits of the nominated worksite location up to the where the Lookout is established. As work moves along the track, the Protection Officer must assess the new location and: • Establish and/or re-establish Lookouts as required to watch for approaching rail traffic from all entry points. • Designate and instruct which safe places the workers are to use as the work is completed along the work route within the worksite limits.
PRESTART REQUIREMENTS:	Protection Officer assessment checklist must be completed before instructions in this SWI are followed. Tools and equipment required: Protection Officer requires a phone to contact the Signaller. Lookouts require a high-visibility arm sleeve and a whistle/horn.
FURTHER INFORMATION:	NWT 300 Planning work in the Rail Corridor NWT 310 Lookout Working NPR 711 Using Lookouts NPR 751 Calculating Minimum Warning Time NPR 712 Protecting work from rail traffic on adjacent lines NGE 200 Walking in the Danger Zone NLA 314 Gosford - Broadmeadow NLA 320 Broadmeadow - Newcastle Interchange
	Lookout Working Prohibited Locations Register

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Protection Officer assessment checklis	st		
Protection Officer's name:			Yes (Tick if Yes)
This document has not expired 12 months	s beyond the issue date.		
SWI details and protection arrangements location, including:	have been reviewed and validated for the a	assessed worksite	
	peen completed for relevancy of works bein environment and tasks are unchanged from		
	kers deploying qualifications are current and Rail Safety Coach must be contacted for g		
Corridor Safety Number	Protection Officer Signature	Da	ate



If an above item does not apply, the Protection Officer must not use this Safe Work Instruction. A new worksite protection plan must be completed in accordance with NRF 014 Worksite Protection Pre-work briefing and NRF 015 Worksite Protection Plan.

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Worksite Protection Pre-work Briefing

	Briefing date:	1 1
rotection Officer details		
name	signature	contact No
Work location:		
Scope of work:		
Worksite protection: Lookout Working	Refer to Worksite Protect	ction Plan for details
Hazards (e.g. Site specific hazards identified, including physical environment, human errors, plant and equipment)	Controls (to be implemented to eliminate or reduce the risk to the lowest practicable level)	Person responsible for Control
	Lookouts must be trained and competent to perform lookout duties. Lookouts must be rotated if performing lookout for	
Approaching rail traffic	extended periods of time Workers to remain within worksite limits as set out in this procedure.	Protection Officer and Lookout
	Lookouts must be placed as per protection plan on page 8.	
	Workers are to stop work and move to a safe place immediately on being warned by the lookouts	
Live adjacent lines	Lookouts must provide warning to workers when rail traffic is approaching from the adjacent line in either direction.	Protection Officer and Lookout
Two - way running / multiple entry points into worksite	One Lookout placed watching each direction before work starts. Lookouts are to warn workers of approaching rail traffic, including rail traffic entering or travelling within the worksite. Workers are to stop work and move to a safe place.	Protection Officer and Lookout
Obstruction to Minimum Sighting Distance	Lookouts must provide warning to the workers whenever their line of sight is obstructed by passing rail traffic. Workers must stop work and move to a safe place and reassess positioning and method	Protection Officer and Lookout
Adjoining/Surrounding Worksites	Lookouts must have two independent audible warning devices that can be heard by workers over any noise generated by adjoining/surrounding worksites.	Protection Officer and Lookout
	Lookouts are to provide warning if their line of sight is obstructed by adjoining/surrounding worksites.	
Access to / Egress from worksite	Access and egress points must be agreed prior to entering the danger zone, consideration should be given to ease of access and safest possible entry and exit points.	All
Slips, trips, falls and hazards carrying equipment	Protection Officer will assess and instruct when it is safe for workers to use <i>NGE 200 Walking in the Danger Zone</i> to move to the worksite or safe place.	

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Mobile phone	Mobile phones use is not permitted in the danger zone unless being used by maintenance staff for critical maintenance communications or recording of defects.	All

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Yard ro	outine netw	vork maintenance a	ctivities	
Workplace Su	upervisor details			
		name		contact No
Emergency a	assembly point:	Access Gate	SWMS/SWI Ref #:	
First aid kit location:	Sydney Train	s work vehicle	First aider:	
Norknlace S	Supervisor ack	nowledgement		
The Workplace S	- Supervisor acknowledg	les that all identified WHS and rail safety e and/or eliminate the hazards.	hazards have the Yes	signatur
Participant A	Acknowledgem	nent		
		to question the Briefer if they don't under	stand any part of this briefing.	
have bee are free f are free f hold the a licence a	nd/or induction record			rotection Plan diagram
		if the item applies or a cross 🗷 if the item does	s not apply.	
required) have bee for the join	en briefed on the SWMS b en instructed in the conf	irements of the electrical permit (if S/SWIs/documented safe work practice trols recorded in this document and	have been briefed on Safety Data have been briefed on the WHS M	
Name		Signature	Time of briefing:	Amendment briefing: hh:mm and initial
			1111.111111	IIII.IIIII and IIIIdai

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Worksite Protection Plan - Lookout Working

ignaller Det	tails						
	nar	me	Broadme	adow Panel		02 4923	0901
rotection O	officer details				1		
	nai			signature] <u> </u>	contac	ct No.
	RSW or RIW N	No.		designation	Planned o	luration	
Workplace S	Supervisor details:						
Type of worl	k:						
Worksite	location						
	Up and Dov	wn Main lines		Up	and Down F	Relief lines	
	Up and Dow	n Relief lines		Up a	nd Down Th	rough lines	
on the	Up and Dowr	Sidings 1 to 8			Decant Sig	dings	
	Storage/Sidings	/Entry/Exit Roa	ds	Laml	bton Road U	nder Bridge	
			Endeavour C	entre			
between	B 211	Signal	and		WJ 13 Si	gnal	
Maximum trac	ookouts* used	<u>km/h</u> 1	Position of Looko	uts 161	1.181 km to	163.688 km	
Number of Lo overbridge)	ookouts used (Lambton St	2	Position of Looko	uts 162	2.780 km to	162.780 km	
Note - Lookouts	s are relocated to positions wi	thin these KMs as work	ers move along the wo	rksite. No additio	nal Lookouts used		
2 sec	+ 3 sec +	10 sec	Γ	15 sec	100 km/h	417 metres	
2 sec	3 sec +	10 sec = Mini	Time	15 sec	80 km/h	334 metres	
2 sec	+ 3 sec +	10 sec	(MWT)	15 sec	25 km/h	105 metres	
2 sec	3 sec	10 sec		15 sec	13 km/h	55 metres	
2 sec	30 sec	10 sec		42 sec	25 km/h	292 metres	
See Time (S) Note – Addition	Move Time (M) onal MWT calculations ca	•	10 sec = MWT) Protection Officer's		ck speed	Minimum Sighting Distance as calculated	
here are th	ne safe places identific	ed for the Lookou	uts and the work	ers?			

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Diagrams, notes, and detailed instructions are over the next pages. These are to be read and followed as part of this worksite protection plan for Lookout Working.

INSTRUCTIONS:	1. Workers enter corridor via gate N00 162.704 U off Coorumbung Road, Broadmeadow.
	2. Protection Officer briefs workers about the worksite protection arrangements.
	 Protection Officer contacts Broadmeadow Panel and tells the signaller about the use of lookout working in Broadmeadow Yard.
	4. Workers remain in Up Main safe place until Protection Officer informs Lookouts are in place.
	5. Establish Lookouts at designated locations.
	6. Workers start work up to designated locations.
	7. Workers move to safe place.
	8. Re-established Lookouts at next designated location
	9. Repeat steps 6-8 until work is complete.
	10. Workers move to a safe place.
	11. Recall lookouts.
	12. Workers exit worksite via gate N00 162.716 D off Brown Road, Broadmeadow.13. Protection Officer contacts Broadmeadow Panel to end Lookout Working.
ADDITIONAL	Obstruction to Minimum Sighting Distance
DETAILS	Stabled rail traffic on any tracks and conditions on the day may obstruct minimum sighting distance. When this
	hazard is identified, workers must stop work and move to a safe place until the Protection Officer makes an
	assessment and relocates lookouts to achieve the required minimum sighting distance.
	Adverse weather conditions Weather conditions on the day may impede sighting distance. Protection Officers must ensure the required Minimum Sighting Distance is attainable by reassessing positions of lookouts.
LOOKOUTS	Lookout positions are reassessed throughout the worksite to achieve Minimum Sighting Distance. Additional move time of up to 30 seconds is used at Lambton Road Overbridge and Lookouts must be able to achieve the respective calculated Minimum Sighting Distance of 292m.
ACCESS GATES / EGRESS	N00 162.716 D off Brown Road, Broadmeadow
	N00 162.704 U off Coorumbung Road,
	Broadmeadow
	N00 162.792 U off Coorumbung Road, Broadmeadow

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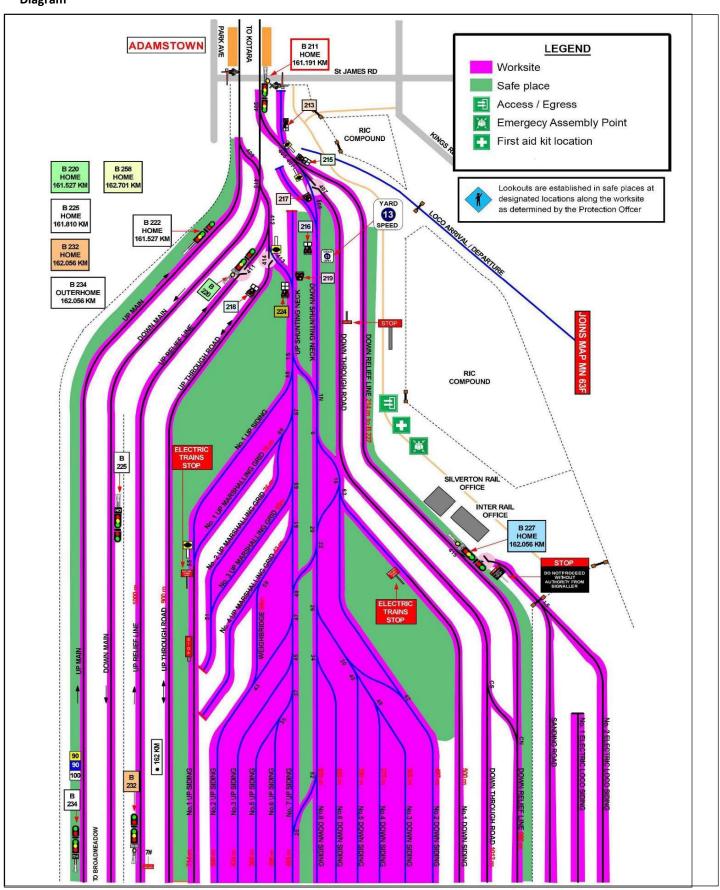
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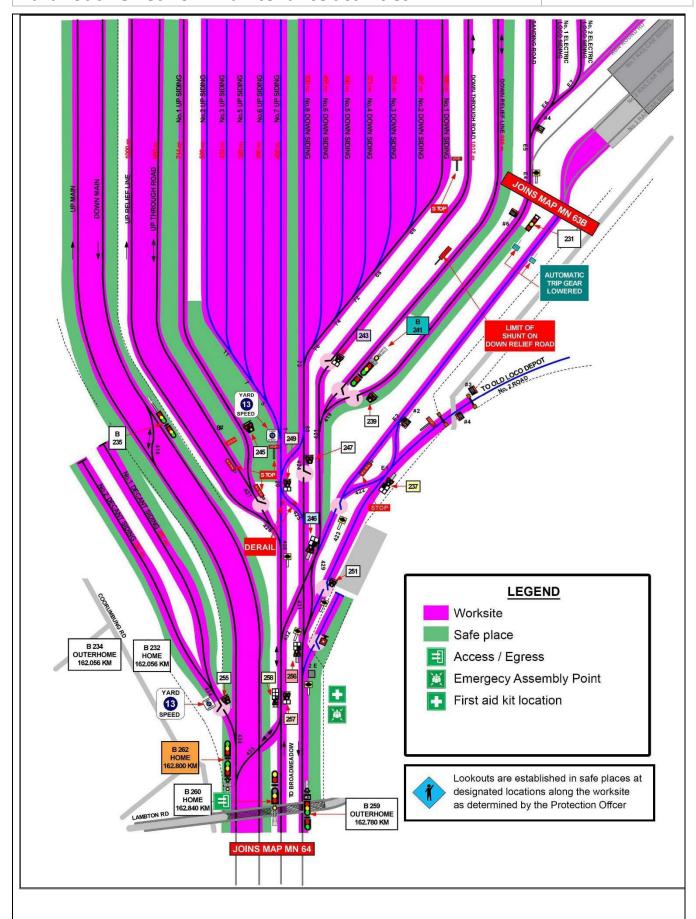


Diagram



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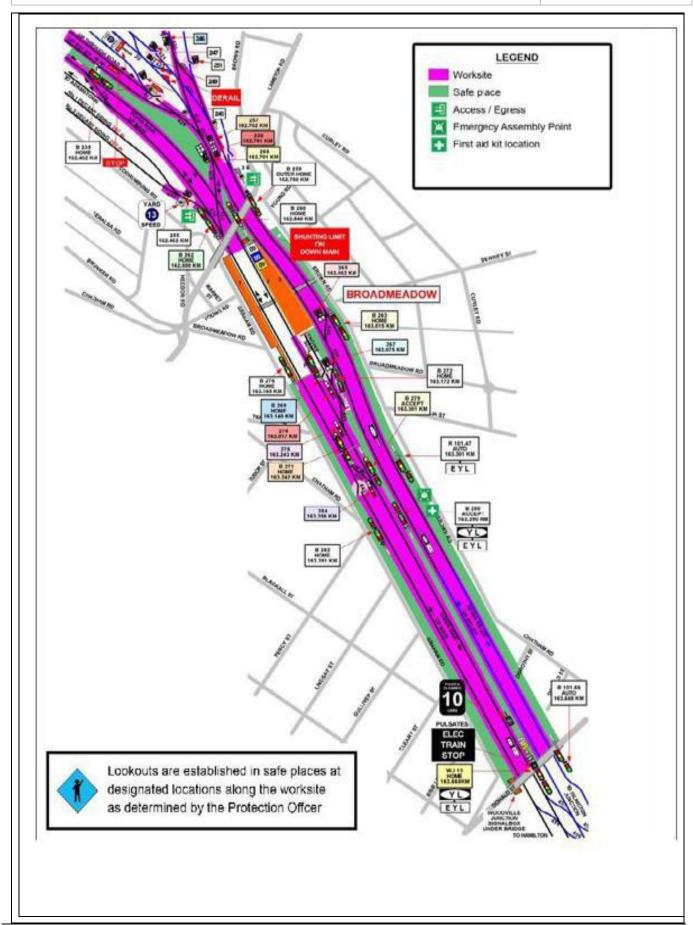
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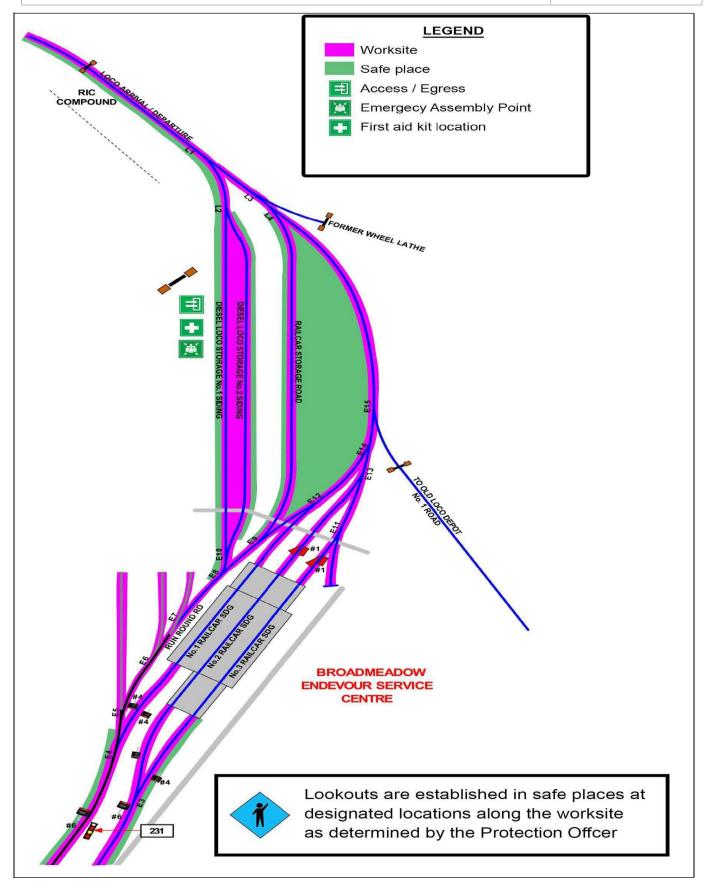


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Date	Officer's d	Notes	
	11110	.10100	