Lookout Working Worksite Protection for Hawkesbury routine network maintenance activities



DOCUMENT NO.	D2021/18756
WORK DESCRIPTION	Routine network maintenance activities
WPP Number	CN17B 10916
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 Main, Down Main, Up Refuge, No1. And No 2. Sidings. 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 310 Hornsby - Gosford Lookout Working Prohibited Locations Register

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Protection Officer assessment checklist				
Protection Officer's name:	Yes (Tick if yes)			
This document has not expired 12 months beyond the issue date.				
SWI details and protection arrangements have been reviewed and validated for the assessed worksite location, including:				
 On-site safety assessment has been completed for relevancy of works being undertaken. The required protection details, environment and tasks are unchanged from the details of this SWI 				
The Protection Officer and Qualified Workers deploying qualifications are current and have practiced in the last 6 months. If not practiced, then a Rail Safety Coach must be contacted for guidance.				
Corridor Safety Number	Protection Officer Signature	Da	te	



Warning

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 Protec	ction Pre-work Briefing	Briefing date:	1 1
Protection Office	r details		
	name	signature	contact No
Work location:	Hawkesbury River		
Scope of work:			
Worksite protection	on: Lookout Working	Refer to Worksite Prote	ection Plan for details
	Site specific hazards identified, cal environment, human errors, ment)	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 extended periods of time	D. 1. 1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
Approx	aching rail traffic	Workers to remain within worksite limits as set out in	Protection Officer

	Lookouts must be trained and competent to perform lookout duties.	
	Lookouts must be rotated if performing lookout for extended periods of time	Protection Officer
Approaching rail traffic	Workers to remain within worksite limits as set out in this procedure.	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 NGE 200 Walking in the Danger Zone to move to the worksite or safe place.	
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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Vorkplace Su _l	pervisor details				
		name			contact No
Emergency as	ssembly point:	Access Gate	SWMS/SWI Ref #:	D2013/8	0895
First aid kit location:	Sydney Train	s work vehicle	First aider:		
Vorknlace Si	unervisor ack	nowledgement			
-	-	_	barranda barra dha		
appropriate contro	ols in place to manage	es that all identified WHS and rail safety e and/or eliminate the hazards.	razards nave the Ye	es 🗆 🔝	signatur
Participant A	cknowledgem	ent			
NOTE: Recipien	ts of the briefing are	to question the Briefer if they don't under	stand any part of this briefir	ng.	
All workers listed	d below acknowledge	that they:			
1. have been	inducted to the site		6. have been briefed	on the contents	s of the Worksite Protection Plan
	om alcohol and drugs				otection Plan diagram
	om the effects of fatig				worksite protection in place
licence and	hold the applicable and current Rail Safety Worker Authorisation, trade licence and/or induction record e.g., Construction Industry Induction must wear the appropriate Personal Protective Equipment (PPE)			ection (final site in	hazards and controls identified during spection must be conducted immediately
Mark each check b	oox below with a tick 🗹	if the item applies or a cross 🗷 if the item doe	s not apply.		
☐ have been	informed of the requi	irements of the electrical permit (if	have been made a	aware of any ha	zardous materials/substances on site.
required)		have been briefed	on Safety Data	Sheets (SDS)	
have been briefed on the SWMS/SWIs/documented safe work practice					
for the job.		have been briefed	on the WHS M	anagement plan.	
have been instructed in the controls recorded in this document and SWMS/SWIs		have been briefed	on the hazards	of adjoining worksites/processes.	
Name		Signature	Time of briefing:		Amendment briefing: hh:mm and initial
•		1	i .		1

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Worksite Protection Plan - Lookout Working

gnaller Details			
name	Hornsby North Signal Box	02 9701 1513	
otection Officer Details			
name	sign	nature	ontac
RSW or RIW No.	design	nation Planned duration	
Vorkplace Supervisor details:			
ype of work: Routine network ma	intenance activities		
Worksite location			
on the U	o Main, Down Main, Up Refuge, No.1	and No.2 Sidings	
between HR 145 UN	veen HR 145 UM Signal and HR 168 UM Signal		
orksite assessment s the Lookout Working Prohibited Loo	cations Register been consulted? Yes		
arning method			
	Horn/Whistle Voic	be .	
nimum Warning Time Calculations			
flaximum track speed 100 km/	h		
lumber of Lookouts used	2 Position of Lookouts	57.060 km to 58.471 km	
ambor or Econodic docu	2 Tooliton of Eoonous	07.000 Kill	
lumber of additional Lookouts* used	- Position of Lookouts	- km To - km	
ote - Lookouts are relocated to positions within	these KMs as workers move along the worksite.		
2 sec + 3 sec + 10	0 sec 15 sec	100 km/h 417 metres	1
	O sec = Minimum Warning 15 sec	85 km/h 355 metres	
2 sec 3 sec 10			
2 sec +	Time (MWT)		
+ + +	Time (MWT) 0 sec 15 sec	25 km/h 105 metres	
2 sec + 3 sec + 10	(MWT)	Track speed Minimum Sighting	
2 sec	(MWT) 15 sec		
2 sec + 3 sec + 10 See Time (S) Move Time (M) Safe ote – Additional MWT calculations can be	(MWT) 15 sec Time (S+M+10 sec = MWT) recorded in the Protection Officer's Diary.	Track speed Minimum Sighting	
2 sec + 3 sec + 10 See Time (S)	(MWT) 15 sec Time (S+M+10 sec = MWT) recorded in the Protection Officer's Diary.	Track speed Minimum Sighting	
2 sec + 3 sec + 10 See Time (S)	(MWT) Time (S+M+10 sec = MWT) recorded in the Protection Officer's Diary. for the Lookouts and the workers?	Track speed Minimum Sighting	

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.

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INSTRUCTIONS:

- 1. Workers enter the rail corridor via gate.
- 2. Protection Officer briefs workers about the worksite protection arrangements.
- 3. Protection Officer contacts Hornsby North Panel and tells the Signaller about the use of Lookout Working.
- 4. Establish Lookouts at designated locations.
- 5. Workers start work up to designated locations.
- 6. Workers move to safe place.
- 7. Re-establish Lookouts at next designated location.
- 8. Repeat steps 6-8 until work is complete.
- 9. Workers move to a safe place.
- 10. Recall lookouts.
- 11. Workers egress the worksite via nearest gate.
- 12. Protection Officer contacts Hornsby North Panel to end Lookout Working.

ADDITIONAL DETAILS

Obstruction to Minimum Sighting Distance

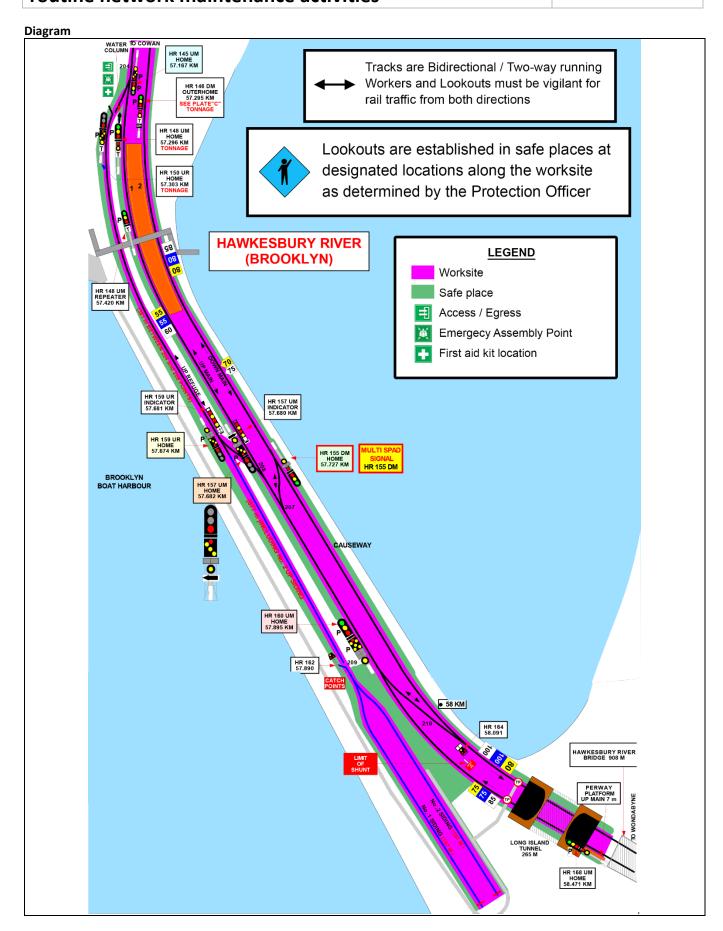
Stabled rail traffic on any tracks and conditions on the day may obstruct minimum sighting distance. When this hazard is identified, workers must stop work and move to a safe place until the Protection Officer makes an assessment and relocates lookouts to achieve the required minimum sighting distance. If rail traffic travels on any track, in any direction, the lookout is to give warning, workers are to move immediately to a safe place until the lookout is back in position with minimum sighting achieved.

Adverse weather conditions

Conditions on the day may impede sighting distance. Protection Officers must ensure the required Minimum Sighting Distance is attainable by reassessing positions of Lookouts.

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Protection Officer's diary

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Date	Time	Notes
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