

DOCUMENT NO.	D2020/22561					
WORK DESCRIPTION	Track inspections on 51, 52 and 53 points at Berowra					
WPP Number	CN1BC 10002					
SCOPE:	This SWI is applicable for the worksite protection arrangements using ASB 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 track and civil 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: Handsignaller Level 1 or higher, Protection Officer Level 1 or higher.					
SAFETY CONTROLS – Lookout Working	Lookout Working on the Up Main line is a a fixed worksite location at 52 points . A Lookout is placed on Berowra Platform 1 at 44.636km for Up direction rail traffic on the Up Main .					
arrangements:	Workers must move into a safe place if the ASB is suspended.					
Absolute Signal Blocking (ASB)	Absolute Signal Blocking on the Down Main and Refuge Loop is at a fixed worksite location from B3 Signal to 28.5 Signal.					
arrangements:	For reference only.					
	The worksite is protected by:					
	B1 Signal and B3 Signal at STOP with blocking facilities applied on the Down Main					
	• B5 Signal at STOP with blocking facilities applied and 52 points secured to prevent access to the worksite on the Up Main					
PRESTART	Protection Officer assessment checklist must be completed before instructions in this SWI are followed. Tools and equipment required:					
REQUIREMENTS:	Protection Officer requires a phone to contact the Signaller.					
	Lookouts require a high-visibility arm sleeve and two horns.					
FURTHER	References					
INFORMATION:	NLA 300 Strathfield to Hornsby					
	NWT 300 Planning work in the Rail Corridor					
	NWT 310 Lookout Working					
	NWT 308 Absolute Signal Blocking					
	NPR 703 Using Absolute Signal Blocking					
	NPR 711 Using Lookouts					
	NPR 751 Calculating Minimum Warning Time					
	NPR 712 Protecting work from rail traffic on adjacent lines					
	Lookout Working Prohibited Locations Register					

Worksite Protection for Berowra track inspections



Protection Officer assessment checklist							
Protection Officer's name:	Yes (Tick if yes)						
This document has not expired 12 months							
On-site safety assessment has been completed and additional hazards and controls recorded on the pre-work briefing (Page 3).							
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 Date							

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.

Worksite Protection for Berowra track inspections



Worksite Protection Pre-work Briefing

		Briefing date:	/ /			
rotection Office	r details name	signature	contact No			
Work location:	-					
Scope of work:	Track inspections and mainter	ance				
Norksite protecti	on: Lookout working and ASB	Refer to Worksite Protect	fer to Worksite Protection Plan for details			
	e-specific hazards identified, including nent, human errors, plant and	Controls (to be implemented to eliminate or reduce the risk to the lowest practicable level)	Person responsible for Control			
Approaching r	ail traffic	Implement ASB as per Network Rules and Procedures. Workers to remain within worksite limits. Workers are to stop work and move to a safe place immediately on being warned by the Protection Officer	Protection Officer			
Live adjacent l	ines	Protection Officer's pre work brief contains designated work and walk area instructions.	Protection Officer			
		All work must stop when warned by Protection Officer until rail traffic has passed.				
Access to / Eg	ress 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, fal equipment	ls and hazards carrying	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			
Adjacent live l	ines	Designated work and walk areas as per Protection Officer's instructions. All workers must stop work and moved to a safe place when warned by the Lookout and/ or Protection Officer	Protection Officer			
Multiple entry	points into worksite	ASB implemented	Protection Officer			



Vorkplace Supervisor Detai	ls						
	name		contact No.				
Emergency assembly point:		SWMS/SWI Ref #:					
First aid kit		First aider:					
location:		First aluer.					
Vorkplace Supervisor ac	knowledgement						
	dges that all identified WHS and rail safety h	azards have the Yes	signature				
appropriate controls in place to mana		100 🗷					
Participant Acknowledge	ment						
·	e to question the Briefer if they don't unders	tand any part of this briefing.					
All workers listed below acknowled		To 1 1 1 1 1 1 1 1					
have been inducted to the site are free from alcohol and dructed.		6. have been briefed on the contents7. have been shown the Worksite Pr					
 are free from alcohol and drug are free from the effects of fat 	•	7. have been shown the Worksite Pr8. understand the kinds and limits of	· ·				
4. hold the applicable and currer	nt Rail Safety Worker Authorisation, trade	9. have been briefed about any new	hazards and controls identified during				
	d e.g. Construction Industry Induction	the final site inspection (final site ins	spection must be conducted immediately				
	rsonal Protective Equipment (PPE) If the item applies or a cross Imit if the item does	- ,					
have been informed of the rec required)	quirements of the electrical permit (if	have been made aware of any hazardous materials/substances on site					
	MS/SWIs/documented safe work practice	☐ have been briefed on Safety Data Sheets (SDS)☐ have been briefed on the WHS Management plan					
for the job		, , , , , , , , , , , , , , , , , , ,					
have been instructed in the co SWMS/SWIs	ontrols recorded in this document and	☐ have been briefed on the hazards of adjoining worksites/processes.					
Name	Signature	Time of briefing:	Amendment briefing: hh:mm and initial				

Worksite Protection for Berowra track inspections



Worksite Protection Plan - Lookout Working

Signaller Detai	ls								_			
			name			Но	rnsby N	orth	Panel			02 9701 1513
Protection Offi	cer Detail	s		_								
			name					sig	nature			contact No.
	RSV	V or	RIW No.					desig	ınation	Pla	nned duration	
Workplace Su	pervisor de	etail	s:									
Type of work:	Inspections of 52A Points											
Worksite lo	cation											
On the						U	p Main					
between			B8 Sigr	nal			and				35 Signal	
Warning metl Winimum Wa Maximum track	rning Tin	ne (Calculatio	ons	Ho:	Position of Lo	ookouts	Oth 4	ner 14.636 km	to	44.636 km	
Number of addit	ional Looko	uts*	used			Position of Lookouts km		km		km		
2 sec +	3 sec	+	10 sec				15 s	ec	90 km/r	1	375 metres	* Add an additional 5 seconds of See Time if an additional Lookout is used
sec +	sec	+	10 sec	= Mi		ı Warning Time MWT)	s	ec	km/h	ı	metres	Note – Additional MWT
sec +	sec	+	10 sec				s	ес	km/h	1	metres	calculations can be recorded in the Protection Officer's
` ,	Move Time (M)		,		0 sec = 1	,			Track speed	_	Minimum Sighting Distance as calculated	Diary.
Where are the					r the	Lookouts a	and the	wor	kers?			
Lookouts:	Berowr	a P	latform 1									
Workers:	Up Cess	, A	SB on th	e D	own	Main						

This worksite protection plan is to be used in conjunction with the worksite protection plan for ASB on the following page. The work is performed on **52 points** and Lookout Working is only established once the ASB protection arrangements are implemented.

Yes □

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 and ASB

Ensure the workers have been briefed about these work details



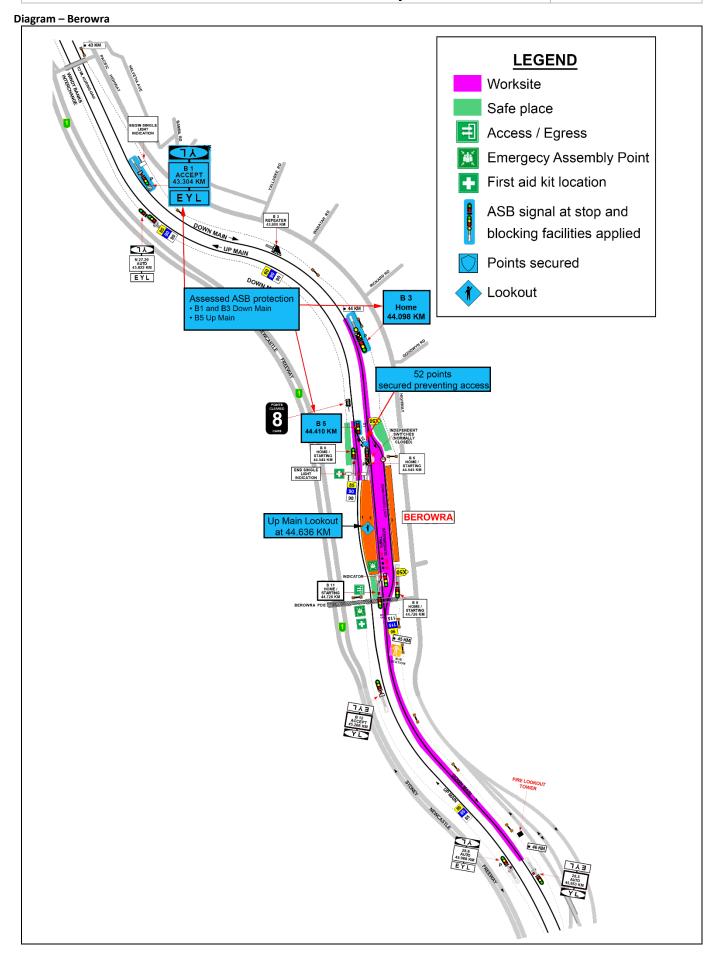
								contact N		
	RSW	or RIW No.			de	signation	Pla	nned Duratio	n	
Type of work	:									
2. Worksite	Location									
On the	Dov	vn Main	from	E	33 Signa	al	to	28.5	Signal	
On the	Down P	assing Loop	from	E	33 Signa	al	to	28.5	Signal	
Protection	to be used									
		• • • •	at STOP wacilities app		Po	oints secu	red			
otection is re	equired from c			licu	Land	tion / none				-tion / 1000
Assurance	-	anor Olginano.	(6) di		Local	tion / pane	21		LOC	ation / pane
points of er	ntry into the af	fected portion	of track are	protected an	d blockir	ng facilitie	s applied [
he last rail t he protection	raffic to pass		rail	trattic II)	e last kn traffic is	own locati	on of			loca
•	r was nere is no rail t	traffic between	n the protec			_				
Authorisati			ii iilo piotoo		romono i					
Authorised b	y Signaller						1			
		name		Horn	isby No	rth Panel		hr		1 1
Protection lumber			Notes							
6 Townser	wily Cuanana	ling ACD								
Provide the	arily Suspend name and		Provide th	e name and			Provide th	ne name and		г
worksite location			worksite lo				worksite le			_
	d equipment a Danger Zone	are 🗌		nd equipment e Danger Zon				and equipme ie Danger Zo		
	tection number	er 🗆	Provide protection number			Provide protection number				
ASB suspe	nded at	hr	ASB susp	ASB suspended at hr			r ASB suspended at			
7. Re-estab	olish ASB ass	surances								
	e location is			ite location is				site location i	is	_
identical	entry into the		identical \square			identical L All points of entry into the				
affected poi	rtion of track a		affected portion of track are			affected portion of track are				
protected a facilities ap			protected facilities a	and blocking oplied		protected and blocking facilities applied				
The last rail		rail traffic ID	The last ra	•	ra	il traffic ID	The last ra	· · ail traffic to protection wa	as	rail traffi
The last knoof rail traffic	own location is	location	The last k	nown location ic is		location	The last k of rail traff	nown locatio	n	loca
traffic between the protection			There is no approaching rail traffic between the protection and the worksite			There is no approaching rail traffic between the protection and the worksite				
	ablished at	hr	ASB re-es	tablished at		hr	ASB re-es	stablished at		
ASB re-esta			Protection				Protection			





6. Temporarily Suspending ASB									
	Provide the name and worksite location		Provide the name and worksite location			Provide the name worksite location	and		
	Workers and equipment are Clear of the Danger Zone		Workers and equipment are clear of the Danger Zone			Workers and equipment are clear of the Danger Zone			
Provide prof	tection number	er 🗆	Provide pro	tection numl	ber		Provide protection	number	
ASB susper	nded at	hr	ASB susper	nded at		hr	ASB suspended a	t	hr
7. Re-estab	lish ASB as	surances		·					
The worksite identical	e location is		The worksit	e location is			The worksite local identical	tion is	
			All points of affected por protected an facilities app	tion of track			All points of entry affected portion of protected and bloof facilities applied	track are	
The last rail pass the pro	traffic to otection was	rail traffic ID	The last rail pass the pro		3	rail traffic ID		The last rail traffic to pass the protection was	
The last kno of rail traffic	own location is	location	The last known of rail traffic		l	location	The last known loof rail traffic is	cation	location
	approaching en the protec ksite		traffic between	traffic between the protection			There is no approaching rail traffic between the protection and the worksite		
ASB re-esta	blished at	hr	ASB re-esta	blished at		hr	ASB re-established at		hr
Protection Number			Protection Number				Protection Number		
Notes									
6. Tempora	rily Suspend	ding ASB							
	Provide the name and worksite location		Provide the worksite loc				Provide the name worksite location	and	
	d equipment a Danger Zone		Workers and equipment are clear of the Danger Zone			Workers and equi			
Provide pro	tection numbe	er 🔲	Provide pro	Provide protection number			Provide protection	number	
ASB susper	nded at	hr	ASB susper	nded at		hr	ASB suspended a	t	hr
7. Re-estab	lish ASB ass	surances							
The worksite identical	e location is		The worksit	The worksite location is identical			The worksite local identical	tion is	
All points of entry into the affected portion of track are protected and blocking facilities applied		affected por protected a	All points of entry into the affected portion of track are protected and blocking facilities applied			All points of entry into the affected portion of track are protected and blocking facilities applied			
The last rail pass the pro	traffic to otection was	rail traffic ID	The last rail pass the pro		3	rail traffic ID	The last rail traffic pass the protectio		rail traffic ID
The last kno of rail traffic	own location is	location	The last kno		1	location	The last known loo	cation	location
	approaching en the protec ksite		traffic between	There is no approaching rail traffic between the protection and the worksite			There is no appro- traffic between the and the worksite	protection	
ASB re-esta	blished at	hr	ASB re-esta	ablished at		hr	ASB re-establishe	d at	hr
Protection Number			Protection Number				Protection Number		







INSTRUCTIONS:

- 1. Workers enter corridor via gate N00 44.735 U on Berowra Parade.
- 2. Protection Officer briefs workers about the worksite protection arrangements.
- 3. Workers remain in Up Cess safe place until Protection Officer informs all protection is in place.
- 4. Establish Lookout on Berowra Platform 1 at 44.636 KM watching for Up Main rail traffic approach.
- 5. Protection Officer contacts Hornsby North Panel and tells the Signaller about the use of Lookout Working at Berowra on the **Up Main** line and requests ASB on the **Down Main** and **Down Passing Loop**.
- 6. Once ASB has been authorised, workers start work on 51 points on the Down Main line.
- 7. When work on **51 points** is complete, workers move and start work on **52 points** on the **Up and Down Main** line.
- 8. When work on **52 points** is complete, the lookout for the **Up Main** line is recalled and work is to continue on the **Down Main** and **Down Relief** line until **53 points**.
- 9. Workers move to safe place once work is complete on **53 points**.
- 10. Protection Officer contacts Hornsby North Panel to end ASB and Lookout Working.

ADDITIONAL DETAILS

Rail traffic in Berowra Platform 2

Rail traffic that enters **Berowra Platform 2** on the **Down Main** line may travel onto the Up Main line through **52 points**. The ASB may be suspended for an extended period because of this.

Environmental noise

Environmental noise from Sydney Newcastle Freeway may impede certain audible warning devices. The Lookout must use two horns as individual warning devices.

Obstruction to Minimum Sighting Distance

Passengers on **Berowra Platform 1** may impede the Lookout's Minimum Sighting Distance. Lookouts must provide warning to the worksite if Minimum Sighting Distance cannot be achieved. Lookouts must confirm with the Protection Officer when Minimum Sighting Distance is regained.

LOOKOUT

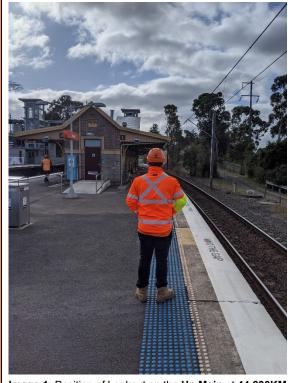


Image 1: Position of Lookout on the Up Main at 44.636KM



Image 2: View from the Lookout



WORKSITE



Image 4: B5 at stop and 52 points secured preventing access into the worksite



Image 5: View of 53 points





Protection Officer's diary

Date	Time	Notes
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-		
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