ASB Worksite Protection for Shellharbour Junction to Dunmore Routine Network Maintenance Activities



DOCUMENT NO.	D2025/368
WORK DESCRIPTION	Routine Network Maintenance Activities
WPP Number	SC66C 10118
SCOPE:	This SWI is applicable for the worksite protection arrangements using ASB for routine network maintenance activities performed by South Coast Maintenance Teams Work activities may include: Points Maintenance Train Stop Maintenance Track Circuit Testing Turnout Inspections KK Testing Track Patrol OHW Inspections Structures Examinations
AUTHORISATIONS:	Protection Officer: Protection Officer Level 1 or higher Lookout: Handsignaller Level 1 or higher, Protection Officer Level 1 or higher
SAFETY CONTROLS - Absolute Signal Blocking (ASB) arrangements:	ASB established to exclude rail traffic on the South Coast Branch Line, Main Line, Loop Line, Works Siding and Boral Quarry Siding For reference only. The assessed ASB protection is: 43.3 Signal at STOP with blocking facilities applied on the City side of the worksite. 43.5 Signal at STOP with blocking facilities applied on the City side of the worksite. 43.4 Signal at STOP with blocking facilities applied on the Country side of the worksite. 43.6 Signal at STOP with blocking facilities applied on the Country side of the worksite. 43.8 Signal at STOP with blocking facilities applied on the Country Side of the worksite. Lookout at 110.865 Km only required when working on 52 Points as they cannot be secured to prevent access. For all other works, 52 Points can be secured to prevent access.
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 308 Absolute Signal Blocking NWT 310 Lookout Working NPR 703 Using Absolute Signal Blocking NPR 711 Using Lookouts NPR 751 Calculating Minimum Warning Time NGE 200 Walking in the Danger Zone Lookout Working Prohibited Locations Register
	NLA 418 Wollongong – Bomaderry (Nowra

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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).				
SWI details and protection arrangements have been reviewed and validated for the assessed worksite location.				
Corridor Safety Number	Protection Officer Signature	Date	е	

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 Protection Pre-work Briefing

otection Office	r details		
	name	signature	contact
Vork location:	Shellharbour Junction to Dun	more	
Scope of work:	Routine Network Maintenance	Activities	
Vorksite protection	on: ASB	Refer to Worksite Prote	ection Plan for details
Hazards (e.g. Site including physical and equipment)	e-specific hazards identified, environment, human errors, plant,	Controls (to be implemented to eliminate or reduce the risk to the lowest practicable level)	Person responsible for Control
Approaching ra	ail traffic	ASB implemented. Workers to remain within worksite limits.	Protection Office
Adjacent live li	ines	Designated work and walk areas as instructed by the Protection Officer. Workers must remain within the ASB nominated worksite location limits whilst work is being performed.	Protection Office
Electrical infra	structure	Electrical infrastructure is to be treated as live and workers must maintain a safe approach distance as instructed by the Protection Officer or Workplace Supervisor.	Protection Office & Workplace Supervisor
Access to / Eg	ress from worksite	Protection Officer will assess and instruct when it is safe for workers to use NGE 200 Walking in the Danger Zone to move to and from the worksite or safe place.	All
Mobile phone (distraction	Mobile phone usage is not allowed in the Danger Zone. Mobile phones may be used only in a safe place after informing the Protection Officer.	All

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Vorkplace Su	pervisor details						
		name		contact No			
Emergency a	ssembly point:	Access Gate	SWMS/SWI Ref #:				
First aid kit location:	Sydney Trains	s work vehicle	First aider:				
Vorkplace S	upervisor ackr	nowledgement					
appropriate contr	ols in place to manage	es that all identified WHS and rail safety and/or eliminate the hazards.	hazards have the Yes 🗆	signatur			
-	Acknowledgem		stand any part of this briefing				
	d below acknowledge	o question the Briefer if they don't unders	stand any part of this briefling.				
	inducted to the site	uiat uiey.	6. have been briefed on the content	s of the Worksite Protection Plan			
	om alcohol and drugs		7. have been shown the Worksite P				
	om the effects of fatigu	le		· ·			
4. hold the a licence an	d/or induction record e	Rail Safety Worker Authorisation, trade e.g. Construction Industry Induction anal Protective Equipment (PPE)	 understand the kinds and limits of worksite protection in place have been briefed about any new hazards and controls identified during the final site inspection (final site inspection must be conducted immediately before commencing work) 				
Mark each check	box below with a tick 🗹 ii	the item applies or a cross 🗷 if the item does	s not apply.				
have beer required)	n informed of the requi	rements of the electrical permit (if	have been made aware of any hazardous materials/substances on site				
have beer for the job		s/SWIs/documented safe work practice	have been briefed on Safety Data Sheets (SDS) have been briefed on the WHS Management plan				
have been SWMS/SV		rols recorded in this document and	have been briefed on the hazards	s of adjoining worksites/processes.			
Name		Signature	Time of briefing:	Amendment briefing: hh:mm and initial			
			+				
				<u> </u>			

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Worksite Protection Plan - Absolute Signal Blocking

	est – Protecti									
		n	ame			signatu	re			contact No.
	RSW	or RIW	No.			designatio	on	Planned Durati	on	
Type of work	k:									
2. Worksit	e location									
on the	South Coast I Line, Loop Line Boral Q	, Works	Siding a		43	.5 Signal	to	43.6	6 Signal	
. Protection	to be used									
	Signal(s blocking				Points s	ecured		Lookout		
	required from o		•	s at		Location / pa	nel		Lo	ocation / panel
/linimum Wa	rning Time Ca	alculat	ions	\neg						
2 sec	+ 3 sec		10 s	ec = Minimum	Warning Time (MWT)	15 sec	25	km/h	105 me	etres
See Time (S)	Move Time (N	•	Safe Tir	, ,	0 sec = MWT)		Track spee		num Sigi e as cal	
Note – Addition . Assurance .	onal MWT calcula	ations c	an be re	corded in the N	Notes or Protec	tion Officer's Dia	ary.			
	ntry into the af	fected	portion	of track are p	rotected and	blocking facilit	ties applie	ed 🔲		
•	traffic to pass				The	ast known loc				location
·	here is no rail t	raffic b	etween	the protection	n and the wo	rksite \square				
5. Authorisat										
Authorised	by Signalier	n	ame		Sou	th Coast pan	el	hr		1 1
Protection Number				Notes		-				
6. Tempor	arily Suspend	ing AS	SB	<u> </u>						
Provide the worksite lo	e name and cation			Provide the worksite loca				le the name and ite location	d	
	nd equipment a Danger Zone	ire			d equipment a Danger Zone	are 🔲		ers and equipment of the Danger Z		;
	otection numbe	er			ection numbe	er 🔲	Provid	le protection nu	mber	
ASB suspe	ended at		hr	ASB suspen	ded at	hr	ASB s	uspended at		hr
7. Re-esta	blish ASB ass	uranc	es							
The works identical	te location is			The worksite identical	e location is		The w	orksite location cal	is	
affected po	of entry into the ortion of track a and blocking oplied						affecte	nts of entry into ed portion of tra ted and blockin es applied	ck are	
The last ra	il traffic to rotection was	rail tr	raffic ID	The last rail pass the pro		rail traffic ID		st rail traffic to he protection w	as as	rail traffic ID
The last kr of rail traffi	own location c is		ocation	The last kno of rail traffic		location		st known locati traffic is	on	location
	approaching in approa				approaching i en the protec ksite		traffic	is no approach between the pro e worksite		
ASB re-est	ablished at		hr	ASB re-esta	blished at	hr		e-established a	t	hr
Protection Number				Protection Number			Protec			

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B. Ending						
Provide name and worksite location		and equipment	Provide prote number	ection L Er	nded at	hr
6. Temporarily Suspend	ing ASB					<u>.</u>
Provide the name and worksite location		Provide the name and worksite location		Provide the name worksite location	and	
Workers and equipment a clear of the Danger Zone	re 🔲	Workers and equipment are Clear of the Danger Zone		Workers and equipment are clear of the Danger Zone		
Provide protection numbe	r 🔲	Provide protection number	er 🔲	Provide protection	number	
ASB suspended at	hr	ASB suspended at	hr	ASB suspended a	nt	hr
7. Re-establish ASB ass	urances			,		
The worksite location is identical		The worksite location is identical		The worksite local identical	tion is	
All points of entry into the affected portion of track at protected and blocking facilities applied	ге 🗆	All points of entry into the affected portion of track a protected and blocking facilities applied		All points of entry affected portion of protected and bloof facilities applied	f track are	
The last rail traffic to pass the protection was	rail traffic ID	The last rail traffic to pass the protection was	rail traffic ID	The last rail traffic pass the protectio		rail traffic ID
The last known location of rail traffic is	location	The last known location of rail traffic is	location	The last known loof rail traffic is	cation	location
There is no approaching r traffic between the protect and the worksite		There is no approaching traffic between the protect and the worksite		There is no appro traffic between the and the worksite		
ASB re-established at	hr	ASB re-established at	hr	ASB re-establishe	ed at	hr
Protection Number		Protection Number		Protection Number		
		-				
Notes						
6. Temporarily Suspend	ing ASB			I		
	ing ASB	Provide the name and worksite location		Provide the name worksite location	and	
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6. Temporarily Suspend Provide the name and worksite location Workers and equipment a clear of the Danger Zone Provide protection numbe ASB suspended at 7. Re-establish ASB ass The worksite location is identical All points of entry into the affected portion of track al protected and blocking facilities applied The last rail traffic to pass the protection was The last known location of rail traffic is There is no approaching r traffic between the protect and the worksite	re	worksite location Workers and equipment a clear of the Danger Zone Provide protection number ASB suspended at The worksite location is identical All points of entry into the affected portion of track a protected and blocking facilities applied The last rail traffic to pass the protection was The last known location of rail traffic is There is no approaching traffic between the protect and the worksite	re	worksite location Workers and equi clear of the Dange Provide protection ASB suspended a The worksite locat identical All points of entry affected portion of protected and bloc facilities applied The last rail traffic pass the protectio The last known loc of rail traffic is There is no appro traffic between the and the worksite	pment are er Zone n number at tion is into the f track are cking to n was cation aching rail e protectio	rail traffic ID

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INSTRUCTIONS:

- 1. Workers enter the rail corridor via Access Gate off Piper Dr
- 2. Protection Officer briefs workers about the worksite protection arrangements.
- 3. Protection Officer contacts the Signaller at South Coast Panel (02) 4223 5766 to request ASB.
- 4. After ASB has been authorized. start work within the limits of the nominated worksite location.
- 5. After work is complete, workers move to a safe place.
- 6. Protection Officer contacts the Signaller at South Coast Panel to end ASB.
- 7. All workers egress the rail corridor via 100 110.760 D Access Gate

ADDITIONAL DETAILS

Suspending ASB

If the ASB is required to be suspended, the Protection Officer must make sure all workers and equipment are clear of the Danger Zone and are in a safe place before suspending the ASB.

Required Lookout

The Lookout positioned at 110.865 Km is only required when 52 Points cannot be secured to prevent access. E.g. When conducting points maintenance and operation is required to test the points. At all other times 52 Points is required to be secured to prevent unauthorised rail vehicle access.

Access Gates:



Image 1: Access gate at the end of Piper Road. (adjacent to 51 Points)

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Image 2: Access gate 100 110.760 D off Dunmore Road



Image 3: Access Gtae 100 110.745 D off Dunmore Road

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Lookout:

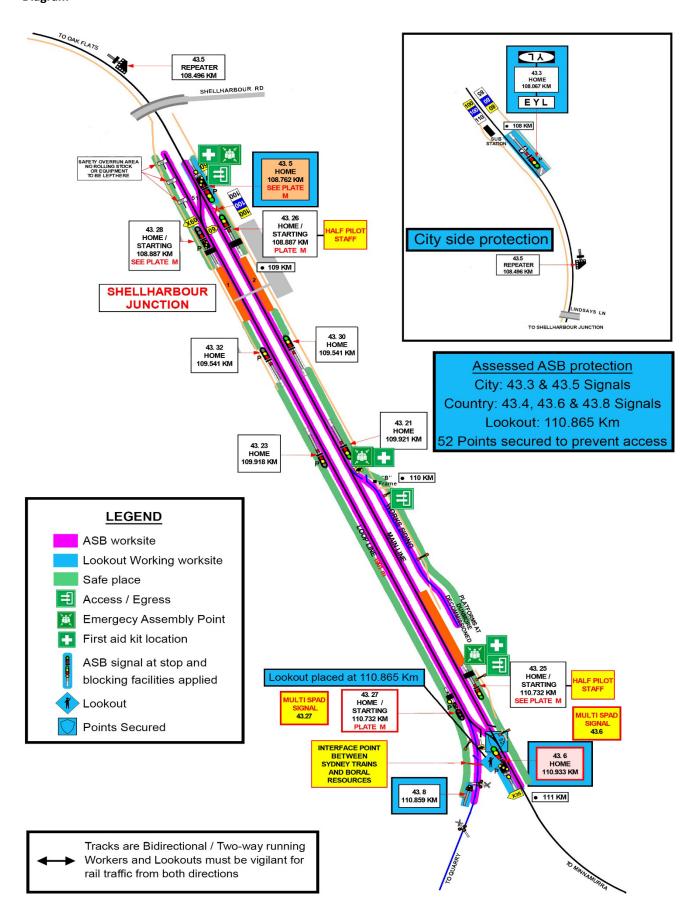


Image 4: Lookout view facing Boral Quarry at 110.865 Km

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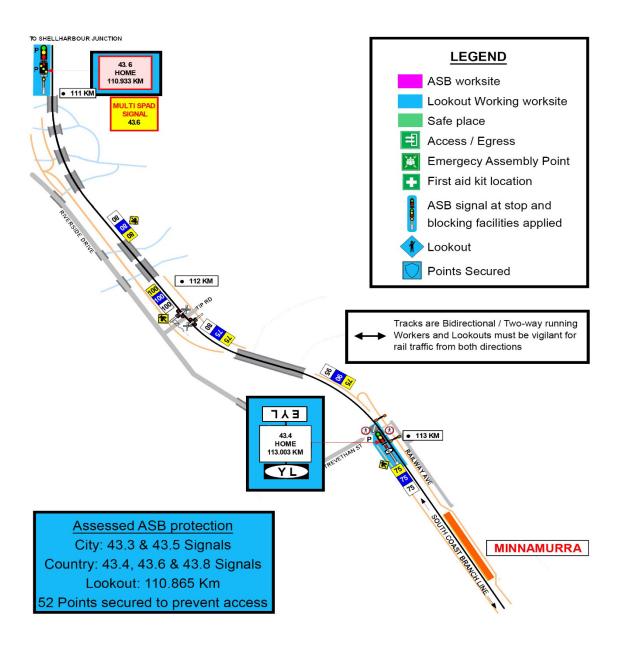


Diagram



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Protection Officer's diary

TOLECTION (Officer 3 dia	· y
Date	Time	Notes
	<u></u>	
	1	i e e e e e e e e e e e e e e e e e e e