

DOCUMENT NO.	D2024/12742
WORK DESCRIPTION	Routine Network Maintenance Activities
WPP Number	SC59C 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:
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 at Bombo  For reference only. The assessed ASB protection is:  • 44.5 Signal at STOP with blocking facilities applied on the City side of the worksite.  • 44.25 & 44.27 Signals at STOP with blocking facilities applied on the City side of the worksite.  • 45.26 & 45.28 Signals at STOP with blocking facilities applied on the Country side of the worksite.  • 51 Points Kiama ESML Key removed and secured
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  NPR 703 Using Absolute Signal Blocking  NGE 200 Walking in the Danger Zone  NLA 418 Wollongong to Bomaderry (Nowra)

SWI Custodian: Maintenance Operations Manager South Coast Territory
SWI Approver: Associated Director Network Operation
UNCONTROLLED COPY WHEN PRINTED

## **ASB Worksite Protection for Bombo Tunnel**



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 compre-work briefing (Page 3).							
SWI details and protection arrangements location.							
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.

# **ASB Worksite Protection for Bombo Tunnel**



## **Worksite Protection Pre-work Briefing**

	1.4.9	Briefing date:	1 1					
rotection Office	name	signature	contact No					
Vork location:	Bombo Tunnel							
Scope of work:	Routine Network Maintenance	Activities						
Vorksite protecti	ion: ASB	Refer to Worksite Protection Plan for details						
Hazards (e.g. Sit including physica and equipment)	e-specific hazards identified, I environment, human errors, plant,	Controls (to be implemented to eliminate or reduce the risk to the lowest practicable level)	Person responsible for Control					
Approaching r	ail traffic	ASB implemented. Workers to remain within worksite limits.	Protection Officer					
Adjacent live I	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 Officer					
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					

# **ASB Worksite Protection for Bombo Tunnel**



Worknlace	Supervisor	dotaile

Vorkplace Su	ipervisor details							
		name				contact No		
Emergency a	ssembly point:	Access Gate	SWMS/SW	/I Ref #:				
First aid kit location:	Sydney Train	First aider:						
Vorkplace S	Supervisor ack	nowledgement						
-	-	es that all identified WHS and rail safety l	hazarde have th	. –	,	a la construcción de la construc		
		es that all identified WHS and rail safety in an analysis and a safety in a safety in a safety in a safety in a	nazarus nave in	<sup>e</sup> Yes ∐		signature		
articipant A	Acknowledgem	ent						
•				falic buicfic.				
	nts of the briefing are to ed below acknowledge	to question the Briefer if they don't unders that they:	stand any part o	this briefing.				
	n inducted to the site	that they.	6. have be	een briefed on th	ne contents	of the Worksite Protection Plan		
	rom alcohol and drugs					otection Plan diagram		
3. are free fr	rom the effects of fatig	ue	8. unders	tand the kinds ar	nd limits of	worksite protection in place		
licence an	nd/or induction record	Rail Safety Worker Authorisation, trade e.g. Construction Industry Induction	the fina	I site inspection		nazards and controls identified during pection must be conducted immediately		
		onal Protective Equipment (PPE)	l	ommencing work)				
Mark each check	box below with a tick 🗹 i	f the item applies or a cross 🗷 if the item does	not apply.					
have beer required)	n informed of the requi	rements of the electrical permit (if	l	een made aware	of any haz	ardous materials/substances on site		
	n briefed on the SWMS	☐ have be	een briefed on S	afety Data	Sheets (SDS)			
for the job		☐ have be	een briefed on th	ne WHS Ma	nagement plan			
have beer SWMS/S\		trols recorded in this document and	have been briefed on the hazards of adjoining worksites/processes.					
Name		Signature	Time of brie	fing:		Amendment briefing:		
			hh:mm			hh:mm and initial		
			+					

# **ASB Worksite Protection for Bombo Tunnel**



		nam	ne				signature				cor	ntact No
RSW or RIW No.			٥.				designation	Р	lanned Durat	ion		
Гуре of work:	Routine I	Network	Main	tenance /	Activities							
2. Worksite Io	cation											_
on the	South Coas Main Line a Kiama a		ine a		m 44.25 8	& 44.2 <sup>°</sup>	7 Signals	to	45.26 &	45.28 S	ignals	
Protection to	be used											
		_	٠,	at STOP vacilities ap		Remo	val of ESML	/EOL key	/			
otection is requ	ired from o	ther Sign	allers	s at		Loc	cation / pane	el		Lo	ocation	/ panel
Assurances												
II points of entry		fected po	rtion	of track ar			-					
The last rail trafi the protection w				ra		e last l traffic	known locat is	ion ot				locatio
onfirm that there	e is no rail t	traffic bet	ween	the prote	ection and the w	orksit/	е 🗆					
Authorisation Authorised by S												
		nam	ne		Sc	outh C	oast panel		hr		1	1
Protection Number				Notes								
6. Temporaril	y Suspend	ling ASB		<u>.                                      </u>								
Provide the na worksite location	me and			Provide t worksite	the name and location				the name are location	nd		
Workers and e		are							Workers and equipment are clear of the Danger Zone			
Provide protec	tion numbe	er I		Provide p	orotection numb	Provide protection number						
ASB suspende	ed at		hr	ASB sus	spended at			h				
7. Re-establis	h ASB ass	urances										
The worksite lo	ocation is	ı		The work identical	site location is			The wor	ksite location	n is		
All points of en affected portio protected and facilities applie	n of track a blocking			affected	s of entry into th portion of track d and blocking applied			affected	s of entry int portion of tra d and blocki applied	ack are	<del>)</del>	
The last rail tra		rail traffi	c ID		rail traffic to protection was		rail traffic ID		rail traffic to protection v		ra	ail traffic II
The last known of rail traffic is	n location	loca	ation	The last lof rail tra	known location ffic is		location	The last of rail tra	known locat affic is	ion		locatio
There is no ap traffic between and the worksi	the protec				no approaching tween the prote worksite	There is no approaching rail traffic between the protection and the worksite						
ASB re-establi	shed at		hr	ASB re-e	established at		hr	ASB re-	established a	at		h
Protection	·			Protectio Number	on			Protecti Number		·		

SWI Custodian: Maintenance Operations Manager South Coast Territory
SWI Approver: Associated Director Network Operation
UNCONTROLLED COPY WHEN PRINTED

Issue Date: 13/11/24 Version: 1.0 Page 5 of 10





6. Temporarily Suspending ASB											
Provide the r worksite loca				Provide the worksite location				Provide the worksite loc			
Workers and clear of the D				Workers and clear of the				Workers and equipment are clear of the Danger Zone			
Provide prote	ection numbe	er		Provide prot	ection numb	er		Provide protection number			
ASB suspen	ASB suspended at hr			ASB suspended at hr				ASB suspended at			hr
7. Re-establ	ish ASB as	es									
The worksite identical	The worksite location is identical			The worksite identical	e location is			The worksite location is identical			
affected port protected an	All points of entry into the affected portion of track are protected and blocking facilities applied			All points of affected por protected ar facilities app	tion of track nd blocking			All points of entry into the affected portion of track are protected and blocking facilities applied			
The last rail to		rail tr	affic ID	The last rail pass the pro			rail traffic ID	The last rail pass the pro		6	rail traffic ID
The last known of rail traffic in		lo	ocation	The last kno of rail traffic			location	The last kno of rail traffic		1	location
There is no a traffic between and the work	en the protec			There is no traffic between and the work	en the prote			There is no traffic between and the wor	en the prote		
ASB re-estat	blished at		hr	ASB re-esta	blished at		hr	ASB re-esta	ablished at		hr
Protection Number				Protection Number		·		Protection Number		·	
Notes											
6. Temporar	rily Suspend	ding AS	BB								
	name and	ding AS	БВ П	Provide the worksite loca				Provide the worksite loc			
<b>6. Temporar</b> Provide the r	name and ation I equipment	are	ВВ		ation d equipment				ation d equipmen		
6. Temporar Provide the r worksite loca Workers and	name and ation I equipment Danger Zone	are		worksite local Workers and	ation d equipment Danger Zon	е		worksite loo Workers an	ation d equipmen Danger Zor	ne	
6. Temporar Provide the r worksite loca Workers and clear of the D	name and ation I equipment Danger Zone ection numb	are		worksite local Workers and clear of the	ation d equipment Danger Zone ection numb	е		worksite loc Workers an clear of the	ation d equipmen Danger Zor tection num	ne	
6. Temporar Provide the r worksite loca Workers and clear of the E Provide prote	name and ation I equipment a Danger Zone ection numbed	are er	hr	worksite local Workers and clear of the Provide prot	ation d equipment Danger Zone ection numb	е		worksite loc Workers an clear of the Provide pro	ation d equipmen Danger Zor tection num	ne	□ □ hr
6. Temporar Provide the r worksite loca Workers and clear of the E Provide prote ASB suspend	name and ation I equipment and Danger Zone ection number ded at	are er	hr	worksite local Workers and clear of the Provide prot	ation d equipment Danger Zone ection numb	е		worksite loc Workers an clear of the Provide pro	ation d equipmen Danger Zor tection num	ne Iber	hr
6. Temporar Provide the r worksite loca Workers and clear of the E Provide prote ASB suspend 7. Re-establ The worksite	name and ation I equipment a Danger Zone ection number ded at lish ASB asset location is entry into the ion of track and blocking	are er surance	hr	worksite local Workers and clear of the larger of the larg	ation d equipment Danger Zone ection numb aded at e location is entry into th tion of track ad blocking	e per 	hr	worksite loc Workers an clear of the Provide pro ASB susper	ation d equipmen Danger Zor tection num nded at e location is entry into the	ne ber	hr
Provide the r worksite local Workers and clear of the E Provide prote ASB suspend 7. Re-establ The worksite identical All points of a affected port protected an	name and ation I equipment a Danger Zone ection number ded at lish ASB as a location is entry into the ion of track a d blocking lied traffic to	are er surance	hr	Worksite local Workers and clear of the Provide prote ASB suspens The worksite identical All points of affected por protected and	ation d equipment Danger Zone ection numb nded at e location is entry into th tion of track nd blocking lied traffic to	e per e are	hr	Worksite loc Workers an clear of the Provide pro ASB susper The worksit identical All points of affected por protected an	ation d equipmen Danger Zor tection num nded at e location is entry into the tion of track had blocking blied traffic to	he ber he care	hr
6. Temporar Provide the r worksite loca Workers and clear of the E Provide prote ASB suspend 7. Re-establ The worksite identical All points of affected port protected an facilities appl The last rail to	name and ation I equipment a Danger Zone ection number ded at lish ASB asset location is entry into the ion of track a d blocking lied traffic to tection was wn location	are er surance er rail tr	hr es	Workers and clear of the Provide prot ASB susper  The worksite identical All points of affected por protected ar facilities app.	ation d equipment Danger Zone ection numb aded at e location is entry into th tion of track ad blocking blied traffic to otection was own location	e per e are	hr	Workers an clear of the Provide pro ASB susper  The worksit identical All points of affected por protected at facilities app	ation d equipmen Danger Zor tection num nded at e location is entry into the tion of track nd blocking blied traffic to otection was own location	he care	
6. Temporar Provide the r worksite loca Workers and clear of the E Provide prote ASB suspend 7. Re-establ The worksite identical All points of affected port protected an facilities appl The last rail to pass the protect	name and ation I equipment a Danger Zone ection number ded at lish ASB as a location is entry into the ion of track a d blocking lied traffic to tection was wen location is approaching en the protection.	are er surance rail to	hr es	Worksite local Workers and clear of the last known of the local  The worksite identical All points of affected por protected are facilities appoints the protected for the last known of the las	ation d equipment Danger Zone ection numb nded at e location is entry into th tion of track nd blocking blied traffic to otection was own location is approaching en the prote	e per le are le	hr  rail traffic ID	Worksite loc Workers an clear of the Provide pro ASB susper  The worksit identical All points of affected por protected an facilities app The last rail pass the pro The last known	ation d equipmen Danger Zor tection num nded at e location is entry into the tion of track had blocking blied traffic to betection was bown location is approaching een the prote	he care	rail traffic ID
6. Temporar Provide the r worksite loca Workers and clear of the E Provide prote ASB suspend 7. Re-establ The worksite identical All points of affected port protected an facilities appl The last rail t pass the protected The last know of rail traffic i There is no a traffic between	name and ation I equipment a Danger Zone ection number ded at lish ASB asset location is entry into the ation of track at d blocking lied traffic to tection was well location is approaching en the protect state.	are er surance rail to	hr es affic ID	Workers and clear of the Provide protected and facilities app. The last rail pass the proof rail traffic between	ation d equipment Danger Zone dection number ded at e location is entry into the tion of track and blocking blied traffic to otection was own location is approaching en the prote ksite	e per le are le	hr hr laction	worksite loc Workers an clear of the Provide pro ASB susper  The worksit identical All points of affected por protected an facilities app The last rail pass the pro The last kno of rail traffic There is no traffic between	ation d equipmen Danger Zor tection num nded at e location is entry into the tion of track nd blocking blied traffic to betection was bown location is approaching een the protection	he care	rail traffic ID



#### **INSTRUCTIONS:**

- 1. Workers enter the rail corridor via 100 117.683 U Access Gate
- 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 100 119.070 U

# 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.

#### **Occupied Sidings**

If the sidings at Bombo (Down Siding) or Kiama (Down Siding or Turntable Siding) are occupied, arrange to have relevant points secured to prevent access as per *NWT 308*.

#### **Access Gates:**



Image 1: Access gate 100 117.683 U at Bombo Station commuter carpark



Image 2: Access gate 100 119.070 U on Railway Parade.



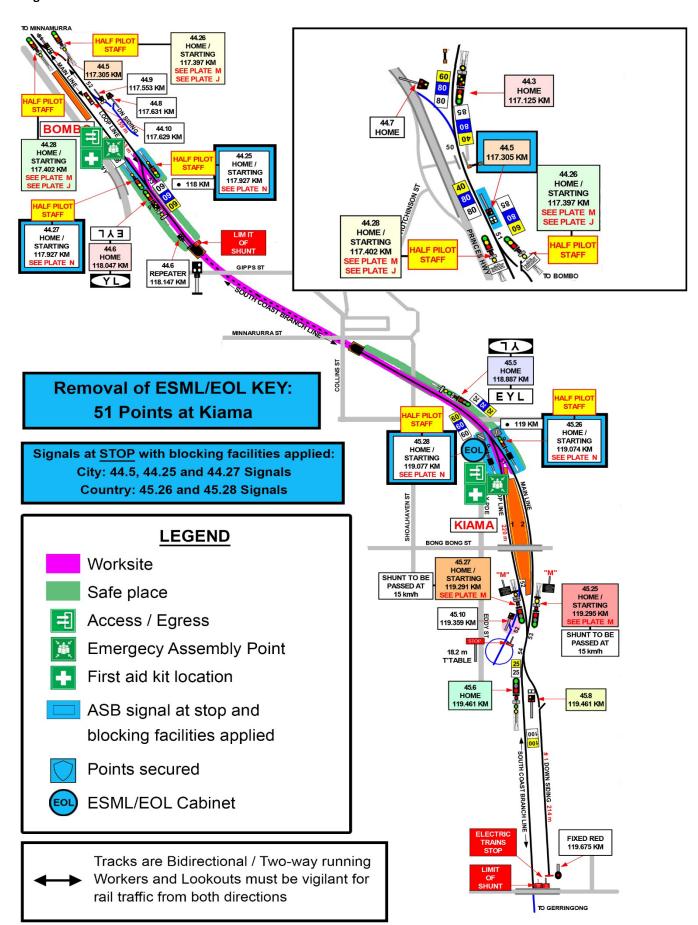
EOL/ESML Cabinet



Image 3: 51 Points ESML cabinet at Kiama



#### Diagram







**Protection Officer's diary** 

	Time	
Date	Time	Notes
-		
-		
ļ		
	<del></del>	
}		