Lookout Working Worksite Protection for City Circle routine network maintenance activities



DOCUMENT NO.	D2021/29550		
WORK DESCRIPTION	Routine network maintenance activities – City Circle (Lookout working)		
WPP Number	CE2B 10169		
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. City Inner and City Outer Lines from Central Station through to Circular Quay Station and looping back to Central Station. 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: Handsignaller Level 1 or higher and/or Protection Officer Level 1 or higher.		
SAFETY CONTROLS – Lookout Working arrangements: PRESTART REQUIREMENTS:	The nominated worksite location is: Up and Down City Inner & Up and Down City Outer Lines between SY 377 DCO Signal and SY 350 CO Signal 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 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. • Make sure workers are not walking in more than 2 person groups. Groups must be space 10m apart. • Instruct Lookouts to use warning lights to provide as a safety measure when inside tunnel areas 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 NGE 200 Walking in the Danger Zone NPR 711 Using Lookouts NPR 751 Calculating Minimum Warning Time NPR 712 Protecting work from rail traffic on adjacent lines		
	NLA 104 City Circle 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			
SWI details and protection arrangements 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 			
This document has not expired 12 months			
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.

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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.	Protection Officer &
	Lookouts must be rotated if performing lookout duties for extended periods of time	Lookout
Approaching rail traffic	Workers to remain within worksite limits as set out in this procedure.	
	Lookouts must be placed as per the protection plan attached to this document.	
	Workers are to stop work and move to a safe place immediately on being warned by the Lookouts	
Adjacent live lines	Lookouts must provide warning to workers when rail traffic is approaching from the adjacent line in either direction.	Protection Officer & Lookout
Obstruction to Minimum Sighting Distance	Lookouts must provide warning to the workers whenever their line of sight is obstructed by passing rail traffic and/or any other obstructions. Workers must stop work and move to a safe place and reassess positioning and method.	Protection Officer & Lookout
Refuge limitations (Man holes)	Workers must not walk in more than 2 person groups. Groups must be spaced 10m apart. Protection Officer will designate each individual's refuge safe place to move to when the Lookout provides warning.	Protection Officer
No easily reachable Safe Place within station platform limits	No work or walking through station platform limits. Higher level of protection required to access.	All
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 & Lookout
	Lookouts must provide warning if their line of sight is obstructed by adjoining/surrounding worksites.	
Electrical infrastructure	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 Officer & Workplace Supervisor
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	All

and exit points.

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Mobile phone distraction	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
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.	All

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Norkplace Su	pervisor details				·	
		name			contact No	
Emergency a	ssembly point:	Access Gate	SWMS/SW	I Ref #:		
First aid kit location:	t aid kit Sydney Trains work vehicle					
Norkolace S	Supervisor ack	nowledgement				
-	•	-	hazarda baya the			
		es that all identified WHS and rail safety and/or eliminate the hazards.	nazarus nave ine	Yes 🗆 🔝	signature	
Participant A	Acknowledgem	ent				
NOTE: Recipie	nts of the briefing are	to question the Briefer if they don't unders	stand any part of	this briefing.		
All workers liste	ed below acknowledge	that they:	,	-		
1. have been	n inducted to the site		6. have be	en briefed on the conte	ents of the Worksite Protection Plan	
	rom alcohol and drugs				Protection Plan diagram	
	rom the effects of fatig				of worksite protection in place	
		Rail Safety Worker Authorisation, trade e.g. Construction Industry Induction			ew hazards and controls identified during inspection must be conducted immediately	
		onal Protective Equipment (PPE)		ommencing work)	, moposition must be defined to a minibal attention	
		if the item applies or a cross 🗷 if the item does	not apply.			
		irements of the electrical permit (if		een made aware of any	hazardous materials/substances on site	
required)			have been briefed on Safety Data Sheets (SDS)			
have been for the job		S/SWIs/documented safe work practice	have been briefed on the WHS Management plan			
		trols recorded in this document and	☐ have be	een briefed on the hazar	rds of adjoining worksites/processes.	
SWMS/SV Name	WIS	Signature	Time of brief	fina:	Amendment briefing:	
		3	hh:mm	<u> </u>	hh:mm and initial	

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	on Plan – Lookout	Working				
gnaller details						
rotootion Officer s	lotoilo		Ea	st Panel		02 9701 158
otection Officer of				oignoturo		contact No
	name			signature		contact No
	RSW or RIW No.		de	signation	Planned dura	ation [
Norkplace Supervi						
Type of work: R	outine network maint	enance activities	i			
Worksite locati	on					1
On the		Up and Down	City Outer and Ci	ty Inner lines		
between	SY 377 DCO Si	gnal	and		SY 350 CO Sign	al
Inimum Warning Maximum track speed	Time Calculations 40 km/h					
·						
Number of Lookouts (ion of Lookouts		020 km to	5.924 km
Number of additional Note - Lookouts are relo	Lookouts* used cated to positions within thes		ion of Lookouts e along the worksit		km To	- km
2 sec +	3 sec + 10 se	ес	15 :	sec	40 km/h	167 metres
2 sec +	3 sec	ec = Minimum W Time (MWT)	arning 15 s	sec	30 km/h	125 metres
sec + See Time (S) Mov	sec + 10 se			sec	km/h	metres Minimum Sighting
, ,	/T calculations can be red	. (-	,			stance as calculated
arning lights us	sed do not exceed	a MWT of 20 see	conds Ye	s 🗆		
here are the saf	fe places identified	for the Lookou	ts and the w	orkers?		
Lookouts: Cess,	man holes, designate	ed structures and	I wide 6 foot,	Walkways a	t Circular Qua	у
Workers: Cess, I	man holes, designate	d structures and	wide 6 foot, V	Nalkways a	t Circular Quay	1

Ensure the workers have been briefed about these work details \qquad Yes \square

Diagrams, notes and detailed instructions 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. Protection Officer contacts East Panel to tell the Signaller of the use of Lookout Working in the City Circle.
- Workers enter the rail corridor via any station in the City Circle or via access pads at Circular Quay and Goulburn Street Portal.
- 3. Place Lookouts at designated locations.
- 4. Workers start work up to the position of the Lookout.
- 5. Workers move to designated safe places.
- 6. Re-establish Lookouts at the next designated locations.
- 7. Repeats steps 4 6 until the work is complete.
- 8. Move workers into a designated safe place.
- 9. Move Lookouts into a safe place and egress the worksite at the designated exit location.
- Protection Officer Ends Lookout Working by contacting East Panel to tell the Signaller that work is complete and all workers and equipment are in a safe place.

ADDITIONAL DETAILS

Refuge limitations (man holes)

Man hole safe places have limited space for up to 2 persons. Workers must not walk in more than 2 person groups. Groups must be spaced 10m apart.

The Protection Officer must designate which man holes are to be used by whom when the Lookout warns of approaching rail traffic.

Lookout Working Prohibited Locations

City Circle- All tracks between 0.000 KM to 5.892 KM - Lookout Working Prohibited in platform areas.

There are no safe places in the platform areas. Workers must stop work and move onto the platform when the workers reach the station platforms.

The City Outer line between 0.054 KM to 0.367 KM is a Lookout Working Prohibited Location due to lack of achievable MWT.

WARNING LIGHTS

Warning lights may be used as a safety measure within tunnel areas in accordance with NLA 104 – City Circle.

PHOTOS



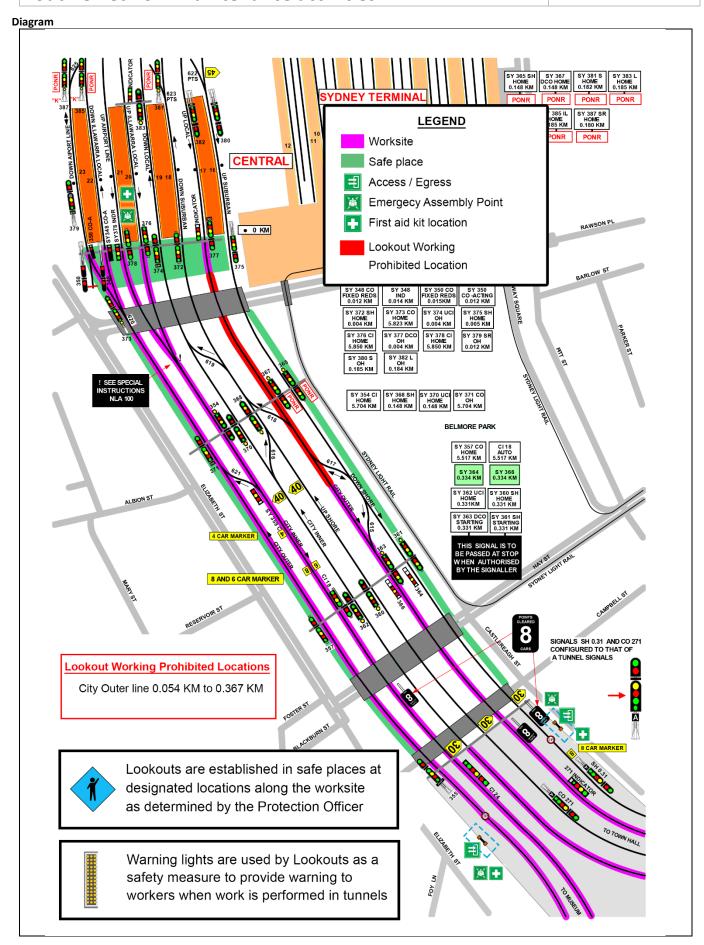
Image 1: Example of warning light at Goulbourn Street Portal



Image 2: Access by the pad at Circular Quay

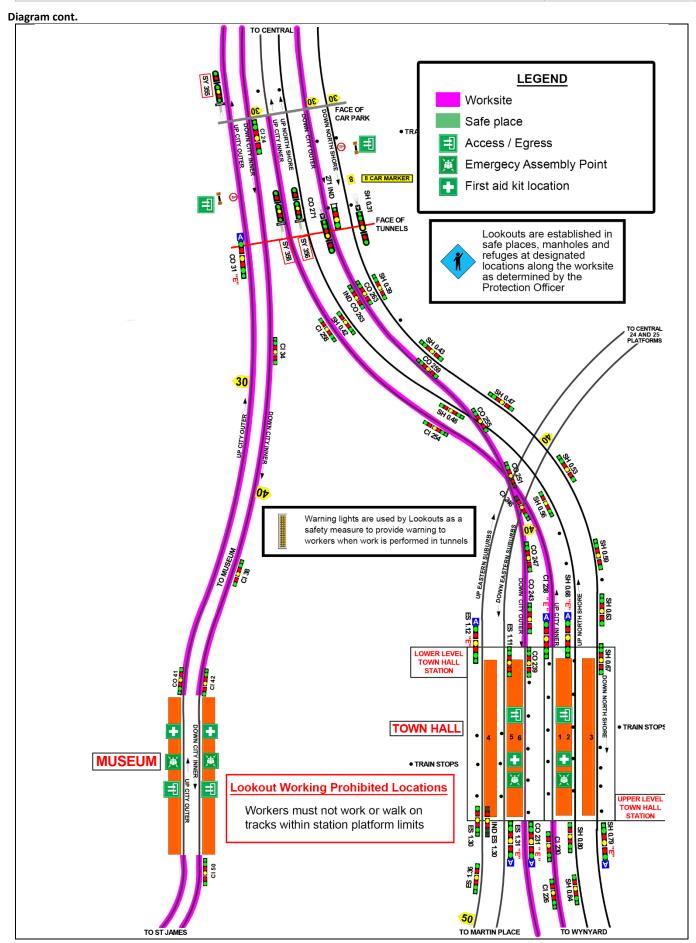
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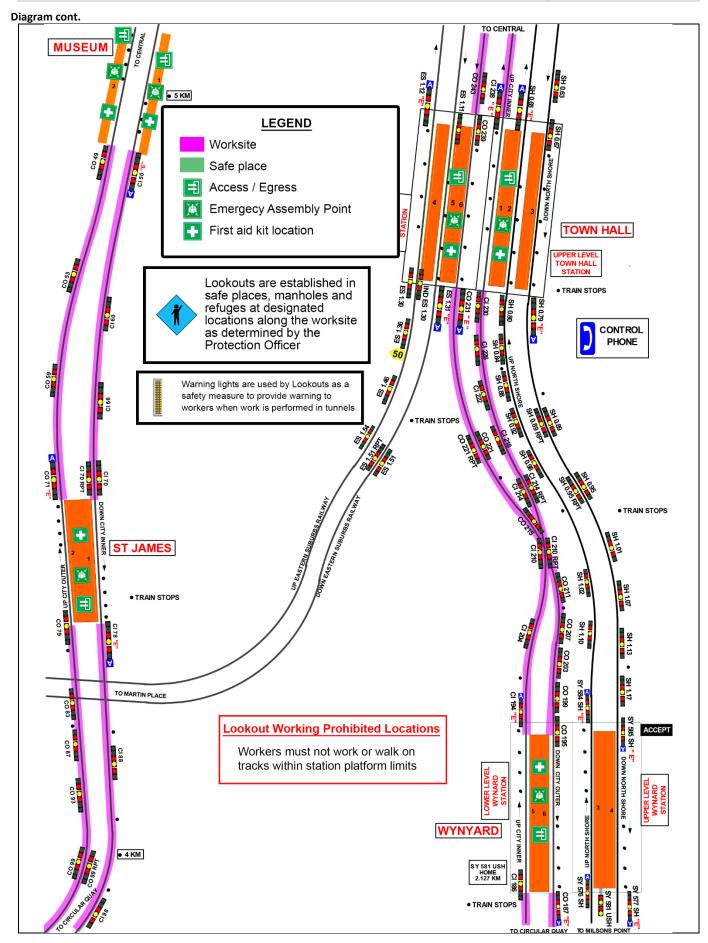


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Diagram cont. TO MUSEUM TO TOWN HALL **LEGEND ST JAMES** Worksite Safe place • TRAIN STOPS Access / Egress **Emergecy Assembly Point** First aid kit location WYNYARD ● 2 KM LOWER LEVEL CO 83 Lookouts are established in • TRAIN STOPS safe places, manholes and refuges at designated locations along the worksite as determined by the Protection Officer Warning lights are used by Lookouts as a • 4 KM safety measure to provide warning to workers when work is performed in tunnels **Lookout Working Prohibited Locations** Workers must not work or walk on tracks within station platform limits **CIRCULAR QUAY** • 3 KM CO 149 CO 155 • TRAIN STOPS

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Date	Time	Notes
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