

Lookout Working Worksite Protection for Thornleigh to Pennant Hills routine network maintenance activities

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| DOCUMENT NO. | D2023/10082 | | |
| WORK DESCRIPTION | Routine network maintenance activities - Thornleigh to Pennant Hills (LW moving worksite) | | |
| WPP Number | CN11B 10001 | SAP Code | |
| SCOPE: | <p>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.</p> <p>Work activities include:</p> <ul style="list-style-type: none"> 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: | <p>Protection Officer: Protection Officer Level 1 or higher Lookout: Hand signaller Level 1 or higher, Protection Officer Level 1 or higher</p> | | |
| SAFETY CONTROLS – Lookout working arrangements: | <p>The nominated worksite location for Lookout Working includes the North Up Main & Down Main, Up Relief, Down Relief (Thornleigh)</p> <p>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.</p> <p>As work moves along the track, the Protection Officer must assess the new location and:</p> <ul style="list-style-type: none"> 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: | <p>A protection officer assessment checklist must be completed before instructions in this SWI are followed.</p> <p>Tools and equipment required:</p> <ul style="list-style-type: none"> Protection Officer requires a phone to contact the Signaller. Lookouts require a high-visibility arm sleeve and a whistle/horn | | |
| FURTHER INFORMATION: | <p><i>NWT 300 Planning work in the Rail Corridor</i></p> <p><i>NWT 310 Lookout Working</i></p> <p><i>NPR 711 Using Lookouts</i></p> <p><i>NPR 751 Calculating Minimum Warning Time</i></p> <p><i>NPR 712 Protecting work from rail traffic on adjacent lines.</i></p> <p><i>NGE 200 Walking in the Danger Zone</i></p> <p><i>NLA 320 Broadmeadow - Newcastle Interchange</i></p> <p><i>Lookout Working Prohibited Locations Register</i></p> | | |

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Protection Officer assessment checklist

| | | |
|--|-------------------------------------|------------------------------------|
| Protection Officer's name: | | Yes <i>(Tick if Yes)</i> |
| This document is still current at the time of its application. (Up to 12 months from the document issue date) | | |
| SWI details and protection arrangements have been reviewed and validated for the assessed worksite location, including: <ul style="list-style-type: none"> 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 | 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.

Safe Work Instruction

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Worksite Protection Pre-work Briefing

Briefing date:

Protection Officer Details

Work location:

Scope of work:

Worksite protection: Refer to Worksite Protection 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 |
|--|---|--------------------------------|
| Struck by rail traffic | Lookout Working implemented. Workers must remain within worksite limits. | Protection Officer |
| Adjacent live lines | Designate work and walking areas as per protection officer's instructions. All work must stop, and workers moved to a safe place when warned by Lookout and a protection officer | Protection Officer |
| Two-way running / multiple entry points into worksite | One Lookout placed watching each direction before work starts. Lookouts must warn workers of all approaching rail traffic, including rail traffic entering, stabling or travelling within the worksite. Workers must stop work and move to a safe place once warned. | Protection Officer |
| Obstruction to Minimum Sighting Distance | Lookouts are to provide warning to the workers whenever the Minimum Sighting Distance is obstructed by passing or stabled rail traffic. Workers must stop work and move to a safe place once warned. Lookouts must confirm with the Protection Officer when the Minimum Sighting Distance is regained. | Protection Officer & 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 and/or processes. Lookouts must provide warning if their line of sight is obstructed by adjoining/surrounding worksites. | Protection Officer & Lookout |
| Access to / Egress from worksite | Protection Officer will assess and instruct when it is safe for workers to use <i>NGE 200 Walking in the Danger Zone</i> 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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| | | |

Safe Work Instruction



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Worksite Protection Plan – Lookout Working

Signaller Details

Protection Officer Details

Planned duration

Workplace Supervisor details:

Type of work:

Worksite Location (tick the tracks that apply)

On the

between and

Worksite Assessment

Has the Lookout Working Prohibited Locations Register been consulted? Yes

Warning method

Horn
 Whistle

Minimum Warning Time Calculations

Maximum track speed

Number of Lookouts used
 Position of Lookouts to
Note - Lookouts are relocated to positions within these km's as workers move along the worksite.

Number of additional Lookouts* used
 Position of Lookouts to km

| | | | | | | | | | |
|---------------------|---|----------------------|---|------------------|------------------------------|--------------------|---------|--|--|
| 2 sec | + | 3 sec | + | 10 sec | = Minimum Warning Time (MWT) | 15 sec | 115km/h | 480m | * Add an additional 5 seconds of See Time if an additional Lookout is used |
| 2 sec | + | 3 sec | + | 10 sec | | 15 sec | 100km/h | 417m | |
| 2 sec | + | 3 sec | + | 10 sec | | 15 sec | 40 km/h | 167m | |
| 2 sec | + | 3 sec | + | 10 sec | | 15 sec | 80 km/h | 334m | |
| <i>See Time (S)</i> | | <i>Move Time (M)</i> | | <i>Safe Time</i> | | <i>Track speed</i> | | <i>Minimum Sighting Distance as calculated</i> | |

(S+M+10 sec = MWT)

Where are the safe places identified for the Lookouts and the workers?

Lookouts:

 Workers:

Ensure the workers have been briefed about these work details 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

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INSTRUCTIONS:

1. Workers enter the rail corridor via **Access Gate N00 29.989** at **Thornleigh**
2. Protection Officer briefs workers about the worksite protection arrangements.
3. Protection Officer contacts Epping 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 **Access Gate N00 29.989** at **Thornleigh**.
12. Protection Officer contacts Epping Panel to end Lookout Working.

ADDITIONAL DETAILS

Obstruction to Minimum Sighting Distance

Stabled rail traffic on the Up Refuge Loop may obstruct the Lookout’s minimum sighting distance requirements. 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

No safe place within Thornleigh station platform limits

Workers must not enter the Danger Zone within the limits of Thornleigh station platforms.

LOOKOUTS



Image 1: View towards Country end Platform 2 Thornleigh

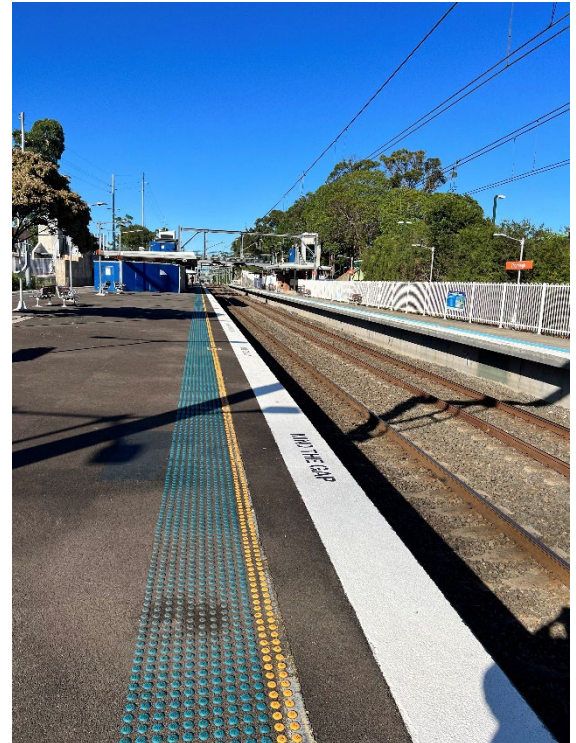


Image 2: View towards City end Platform 2 Thornleigh

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Image 3: Top View towards Country end Platform 2 Thornleigh

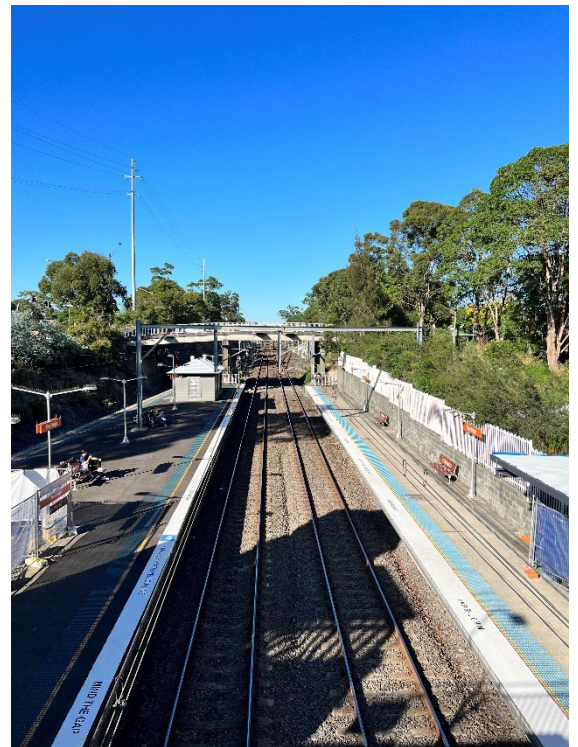


Image 4: Top View towards City end Platform 2 Thornleigh

ACCESS / EGRESS



Image 5: Access Gate N00 29.989 at Thornleigh on the Up Cess.

Diagram

