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| DOCUMENT NO. | D2020/22928 |
| WORK DESCRIPTION | Routine network maintenance activities |
| WPP Number | CS3B 12982 |
| 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</p> <p>Lookout: Engineering Hand signaller Level 1 or higher or Protection Officer Level 1 or higher.</p> |
| SAFETY CONTROLS: Lookout working arrangements | <p>The nominated worksite location for Lookout Working is a fixed worksite and includes the Up Cronulla between 159 Points and SC25.8 Signal</p> <p>The Protection Officer must:</p> <ul style="list-style-type: none"> 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>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> <p><i>NLA 408 Sutherland to Cronulla</i></p> |

Safe Work Instruction**Lookout Working Worksite Protection for Sutherland to Kirrawee routine network maintenance activities****Protection Officer assessment checklist**

| | | |
|---|-------------------------------------|------------------------------------|
| Protection Officer's name: | | Yes <i>(Tick if Yes)</i> |
| This document has not expired 12 months beyond the 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

Lookout Working Worksite Protection for Sutherland to Kirrawee routine network maintenance activities



Worksite Protection Pre-work Briefing

Briefing date: / /

Protection Officer details

name signature contact No.

Work location: **Sutherland to Kirrawee on the Up Cronulla Branch**

Scope of work: **Routine network maintenance activities**

Worksite protection: **Lookout Working** 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 |
|--|--|--------------------------------|
| Approaching rail traffic | Lookouts must be trained and competent to perform lookout duties. Lookouts must be rotated if performing lookout for extended periods of time Workers to remain within worksite limits as set out in this procedure. Lookouts must be placed as per protection plan on page 8. Workers are to stop work and move to a safe place immediately on being warned by the lookouts | Protection Officer and Lookout |
| Live adjacent lines | Lookouts must provide warning to workers when rail traffic is approaching from the adjacent line in either direction. | Protection Officer and Lookout |
| Two - way running / multiple entry points into worksite | One Lookout placed watching each direction before work starts. Lookouts are to warn workers of approaching rail traffic, including rail traffic entering or travelling within the worksite. Workers are to stop work and move to a safe place. | Protection Officer and Lookout |
| Obstruction to Minimum Sighting Distance | Lookouts must provide warning to the workers whenever their line of sight is obstructed by passing rail traffic. Workers must stop work and move to a safe place and reassess positioning and method | Protection Officer and 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. Lookouts are to provide warning if their line of sight is obstructed by adjoining/surrounding worksites. | Protection Officer and Lookout |
| 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 and exit points. | All |
| Slips, trips, falls and hazards carrying equipment | 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 the worksite or safe place. | |

Safe Work Instruction

Lookout Working Worksite Protection for Sutherland to Kirrawee routine network maintenance activities



Worksite Protection Plan – Lookout Working

Signaller Details

name Sutherland Panel 02 8568 3454

Protection Officer Details

name signature contact No. RSW or RIW No. designation Planned duration

Workplace Supervisor details:

Type of work:

Worksite location

on the Up Cronulla Branch between Clear of 159 Points and SC 25.8 Signal

Worksite assessment

Has the Lookout Working Prohibited Locations Register been consulted? Yes

Warning method

Horn/Whistle Voice/Touch

Minimum Warning Time Calculations

Maximum track speed 75 km/h

Number of Lookouts used 1 Position of Lookouts 24.948 km to 25.800 km

Number of additional Lookouts* used 1 Position of Lookouts 25.300 km to 25.660 km

Note - Lookouts are relocated to positions within these KMs as workers move along the worksite.

Table with columns: See Time (S), Move Time (M), Safe Time, Minimum Warning Time (MWT), Track speed, Minimum Sighting Distance as calculated

Note – Additional MWT calculations can be recorded in the Protection Officer’s Diary.

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

Lookouts: Up and Down cess, Open 6 foots and fixed structures

Workers: Up and Down cess, Open 6 foots and fixed structures

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.

Lookout Working Worksite Protection for Sutherland to Kirrawee routine network maintenance activities

INSTRUCTIONS:

1. Workers enter the rail corridor via Old Princess Highway or via any other gate.
2. Protection Officer briefs workers about the worksite protection arrangements.
3. Protection Officer contacts **Sutherland 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 Old Princess Highway or via any other gate.
12. Protection Officer contacts **Sutherland Panel** to end Lookout Working.

ADDITIONAL DETAILS

Lookout Working Prohibited Locations

Cronulla Line-Down Cronulla (Sutherland) between 24.969 kms to 25.568 kms-Lookout Working Prohibited – Insufficient sighting distance & no safe places can be assessed.

Sighting distance obstructed -by trains on the Down Cronulla when lookouts positioned in the Down Cess. Lookout to warn workers, stop work move to a safe place until sighting distance is achieved.

Sighting Distance- An Additional Lookout must be used between the limits of this worksite, clear of 159 points and SC25.8 Signal

LOOKOUTS



Image 1: Safe places along Up Cess around 25+100 kms



Image 2: Safe places Up Cess around 25+272 kms

Safe Work Instruction

Lookout Working Worksite Protection for Sutherland to Kirrawee routine network maintenance activities



Image 3: Safe places Up Cess around 25+380 KMS



Image 4: Safe places Down Cess around 25+ 455 KMS

LOOKOUTS



Image 5: Safe places Down Cess around 25+ 660 KMS

Safe Work Instruction

Lookout Working Worksite Protection for Sutherland to Kirrawee routine network maintenance activities



