

Lookout Working Worksite Protection for Broadmeadow Yard routine network maintenance activities

| | |
|---|--|
| DOCUMENT NO. | D2022/1423 |
| WORK DESCRIPTION | Routine network maintenance activities |
| WPP Number | CC7B 10001 |
| 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 includes the</p> <ul style="list-style-type: none"> Up and Down Main lines Up and Down Relief lines Up and Down Through lines Up and Down Sidings 1 to 8 Decant Sidings Storage / Sidings / Entry / Exit Roads Lambton Road Under Bridge Endeavour Centre <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>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 314 Gosford - Broadmeadow</i></p> <p><i>NLA 320 Broadmeadow - Newcastle Interchange</i></p> <p><i>Lookout Working Prohibited Locations Register</i></p> |

Lookout Working Worksite Protection for Broadmeadow Yard routine network maintenance activities

Protection Officer assessment checklist

| | | |
|---|------------------------------|----------------------|
| Protection Officer's name: | | Yes (Tick if Yes) |
| 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.

Lookout Working Worksite Protection for Broadmeadow Yard routine network maintenance activities

Worksite Protection Pre-work Briefing

Briefing date: / /

Protection Officer details

| | | |
|---------------------------|--------------------------------|----------------------------------|
| <input type="text"/> name | <input type="text"/> signature | <input type="text"/> contact No. |
|---------------------------|--------------------------------|----------------------------------|

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 |
|--|--|--------------------------------|
| <ul style="list-style-type: none"> 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 |
| <ul style="list-style-type: none"> 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 Slips, trips, falls and hazards carrying equipment | 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. 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. | All |

**Lookout Working Worksite Protection for Broadmeadow
Yard routine network maintenance activities**

| | | |
|---------------------|---|-----|
| Mobile phone | 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 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Lookout Working Worksite Protection for Broadmeadow Yard routine network maintenance activities



Safe Work Instruction

Lookout Working Worksite Protection for Broadmeadow Yard routine network maintenance activities



Worksite Protection Plan – Lookout Working

Signaller Details

| | | |
|------|-------------------|--------------|
| name | Broadmeadow Panel | 02 4923 0901 |
|------|-------------------|--------------|

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 and Down Main lines | Up and Down Relief lines | |
| | Up and Down Relief lines | Up and Down Through lines | |
| | Up and Down Sidings 1 to 8 | Decant Sidings | |
| | Storage/Sidings/Entry/Exit Roads | Lambton Road Under Bridge | |
| | Endeavour Centre | | |
| between | B 211 Signal | and | WJ 13 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

Number of Lookouts* used Position of Lookouts to

Number of Lookouts used (Lambton St overbridge) Position of Lookouts to

Note - Lookouts are relocated to positions within these KMs as workers move along the worksite. No additional Lookouts used.

| | | | | | | | | |
|--------------|---|---------------|---|-----------|------------------------------|--------|-------------|---|
| 2 sec | + | 3 sec | + | 10 sec | | 15 sec | 100 km/h | 417 metres |
| 2 sec | + | 3 sec | + | 10 sec | = Minimum Warning Time (MWT) | 15 sec | 80 km/h | 334 metres |
| 2 sec | + | 3 sec | + | 10 sec | | 15 sec | 25 km/h | 105 metres |
| 2 sec | + | 3 sec | + | 10 sec | | 15 sec | 13 km/h | 55 metres |
| 2 sec | + | 30 sec | + | 10 sec | | 42 sec | 25 km/h | 292 metres |
| See Time (S) | | Move Time (M) | | Safe Time | (S+M+10 sec = 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:

Workers:

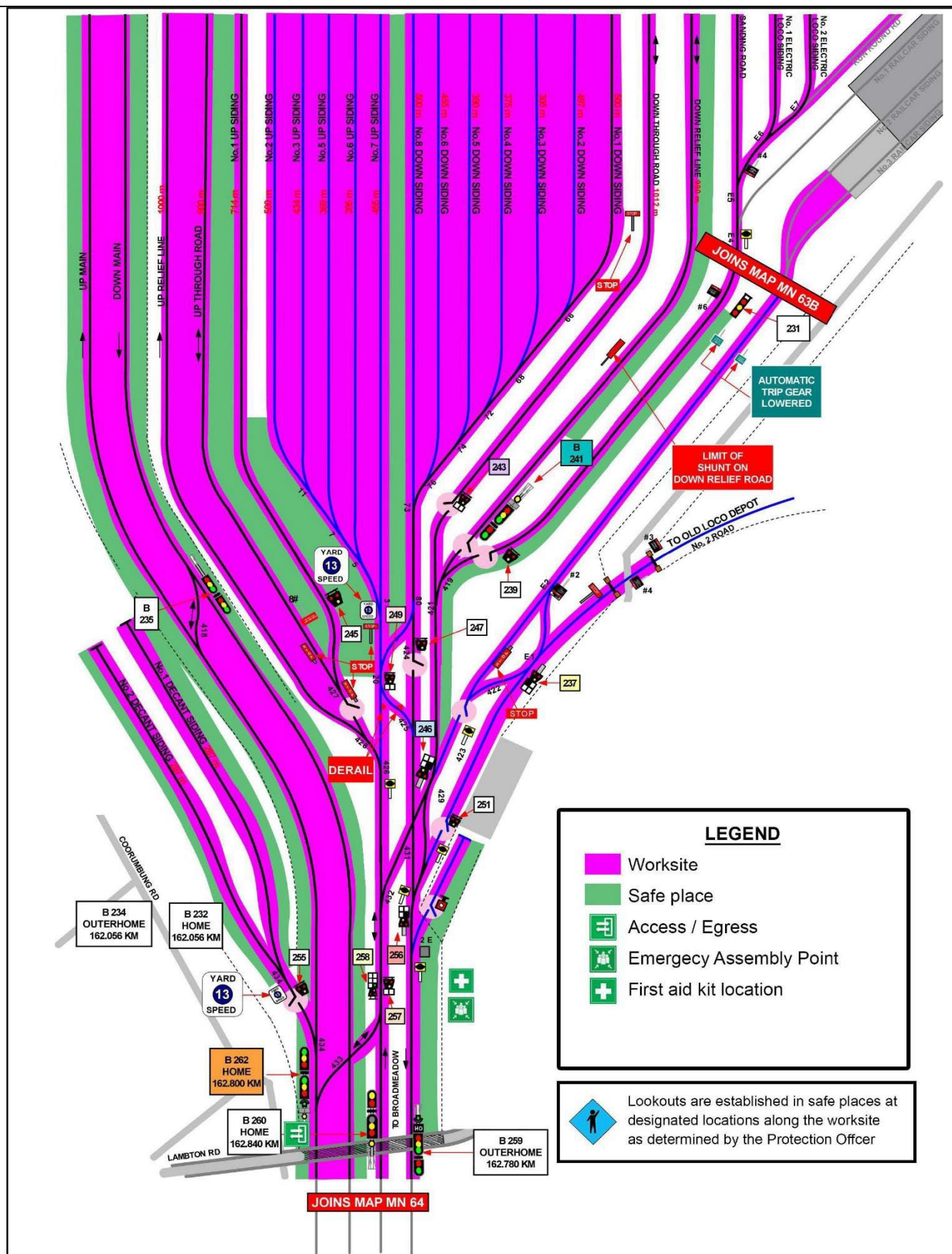
Ensure the workers have been briefed about these work details Yes ☐

Lookout Working Worksite Protection for Broadmeadow Yard routine network maintenance activities

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.

| | |
|------------------------------|---|
| INSTRUCTIONS: | <ol style="list-style-type: none"> Workers enter corridor via gate N00 162.704 U off Coorumbung Road, Broadmeadow. Protection Officer briefs workers about the worksite protection arrangements. Protection Officer contacts Broadmeadow Panel and tells the signaller about the use of lookout working in Broadmeadow Yard. Workers remain in Up Main safe place until Protection Officer informs Lookouts are in place. Establish Lookouts at designated locations. Workers start work up to designated locations. Workers move to safe place. Re-established Lookouts at next designated location Repeat steps 6-8 until work is complete. Workers move to a safe place. Recall lookouts. Workers exit worksite via gate N00 162.716 D off Brown Road, Broadmeadow. Protection Officer contacts Broadmeadow Panel to end Lookout Working. |
| ADDITIONAL DETAILS | <p><u>Obstruction to Minimum Sighting Distance</u></p> <p>Stabled rail traffic on any tracks and conditions on the day may obstruct minimum sighting distance. 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.</p> <p><u>Adverse weather conditions</u></p> <p>Weather conditions on the day may impede sighting distance. Protection Officers must ensure the required Minimum Sighting Distance is attainable by reassessing positions of lookouts.</p> |
| LOOKOUTS | <p>Lookout positions are reassessed throughout the worksite to achieve Minimum Sighting Distance. Additional move time of up to 30 seconds is used at Lambton Road Overbridge and Lookouts must be able to achieve the respective calculated Minimum Sighting Distance of 292m.</p> |
| ACCESS GATES / EGRESS | <p style="text-align: center;">N00 162.716 D off Brown Road, Broadmeadow</p> <p style="text-align: center;">N00 162.704 U off Coorumbung Road, Broadmeadow</p> <p style="text-align: center;">N00 162.792 U off Coorumbung Road, Broadmeadow</p> |

Lookout Working Worksite Protection for Broadmeadow Yard routine network maintenance activities



Lookout Working Worksite Protection for Broadmeadow Yard routine network maintenance activities

