



SAFEROADS PTY LTD

Form: INS002

Safe Working Method Statement (SWMS) – Ironman Barrier

Effective Date: 05/06/2018

Responsibility: IMS Manager

Revision: 2

SWMS REQUIREMENTS

1. This SWMS describes the activities associated with the deployment of Ironman Hybrid Barriers and outlines the proposed risks (High Risk Work – HRW) to the health and safety of any person.
2. This document has been compiled in a collaborative approach involving affected employees, HSR's and management.
3. Once this document has been approved and implemented, the task which it relates to **must** be performed in accordance with the SWMS.
4. Duty holders (employees and sub-contractors) **must** stop the HRW immediately or as soon as it is safe to do so if the SWMS is not being complied with. The HRW **must** not resume until the SWMS is complied with or reviewed and revised as necessary
5. The SWMS **must** be reviewed and if necessary, revised whenever the HRW changes, or after an incident that occurs during the HRW, or if there is any indication that risk control measures are not adequately controlling the risks.
6. An employee **must** retain a copy of the SWMS for the duration of the HRW.

| | | | |
|--|--|---|--|
| Direct employer: | | Principal contractor (PC) <i>(Name and contact details)</i> | |
| Work supervisor: <i>(Name and contact details)</i> | | Date SWMS provided to PC: | |
| Work activity: <i>(Job description)</i> | | Workplace and works location: | |

| | | | |
|------------------------------|---|--|---|
| High Risk Work (HRW): | <input type="checkbox"/> Where there is a risk of contact with overhead power lines. | <input type="checkbox"/> Where there is a risk of damage to underground services | <input type="checkbox"/> Where there is a risk to damage to external objects, such as fire hydrants |
| | <input type="checkbox"/> At workplaces where there is any movement of powered mobile plant. | <input type="checkbox"/> Structural alterations that require temporary support to prevent collapse. | <input type="checkbox"/> In an area where there are artificial extremes of temperature. |
| | <input type="checkbox"/> On or near energised electrical installations or services. | <input type="checkbox"/> Involving a trench or shaft if the excavated depth is more than 1.5 metres. | <input type="checkbox"/> On or near pressurised gas distribution mains or piping. |
| | <input type="checkbox"/> Involving demolition. | <input type="checkbox"/> Involving a confined space. | <input type="checkbox"/> On or near chemical, fuel or refrigerant lines. |
| | <input type="checkbox"/> Involving tilt-up or precast concrete. | <input type="checkbox"/> On telecommunications towers. | <input type="checkbox"/> Involving a tunnel. |
| | <input type="checkbox"/> Involving the requirement of Traffic Control | <input type="checkbox"/> In an area that may have a contaminated or flammable atmosphere. | <input type="checkbox"/> Involving the use of explosives. |



SAFEROADS PTY LTD

Form: INS002

Safe Working Method Statement (SWMS) – Ironman Barrier

Effective Date: 05/06/2018

Responsibility: IMS Manager

Revision: 2

| | | | |
|---|--|---------------------------------|--|
| Person responsible for ensuring compliance with SWMS: | | Date SWMS received: | |
| What measures are in place to ensure compliance with the SWMS? (e.g. direct supervision, regular spot checks) | | | |
| Person responsible for reviewing SWMS control measures (e.g. PC's representative): | | Date SWMS received by reviewer: | |
| How will the SWMS control measures be reviewed? | | | |
| Review date: | | Reviewer's signature: | |

This risk has been evaluated against the following matrix:

| Likelihood | Consequences | | | | |
|--------------------|-------------------|------------|--------------|---------------|---------------|
| | 1 - Insignificant | 2 - Low | 3 - Moderate | 4 - Severe | 5 - Extreme |
| 1 - Almost certain | Medium (4) | High (3) | High (2) | Very High (1) | Very High (1) |
| 2 - Likely | Medium (5) | Medium (4) | High (3) | High (2) | Very High (1) |
| 3 - Possible | Low (6) | Medium (5) | High (3) | High (3) | High (2) |
| 4 - Unlikely | Low (6) | Low (6) | Medium (5) | Medium (4) | High (3) |
| 5 - Rare | Low (6) | Low (6) | Medium (5) | Medium (4) | High (3) |

Definition of Consequences

- Insignificant: Self applied first aid treatment only
 Low: Near miss or first aid requiring first aid officer
 Moderate: Injury requiring medical treatment but not lost time
 Severe: Injury incurring lost time
 Extreme: Death or reportable to WorkSafe.



SAFEROADS PTY LTD

Form: INS002

Safe Working Method Statement (SWMS) – Ironman Barrier

Effective Date: 05/06/2018

Responsibility: IMS Manager

Revision: 2

SITE PPE REQUIREMENTS FOR BARRIER DEPLOYMENT (MANDATORY)



STEP 1 – SET UP

| Step | What are the tasks involved? | What are the hazards and risks? | Initial Risk (1-6) | What are the risk control measures? | Revised Risk (1-6) |
|--------------------|---|---|--------------------|---|--------------------|
| <i>(Reference)</i> | <i>List the work tasks in a logical order.</i> | <i>What aspects of the work could harm workers or the public?</i> | | <i>Describe what will be done to make the activity as safe as possible?</i> | |
| 1 Set Up | Ensure you are in the correct location | Unsafe Environment – unfamiliar | 3 | Meet with Site Manager / Sub Contractor confirming site | 6 |
| | Meet with appropriate personnel | Unsafe Environment – unfamiliar | 3 | Meet with Site Manager / Sub Contractor confirming site | 6 |
| | Complete Induction and Sign in | Lack of site knowledge | 3 | Induction will identify all site procedures and policy's. | 6 |
| | Ensure Traffic Management is set up | Potential Traffic Hazard – Danger to site personnel | 3 | Ensure a full briefing to Traffic Management | 5 |
| | Conduct site walk through | Identification of any hazards of risk on site | 2 | Communicate hazard identification to all staff & Sub-contractors | 5 |
| | Calculate correct amount of barriers | Failure to complete works – unsafe environment | 3 | Confirming site deployment with Site Manager | 6 |
| | Calculate Correct number and type of end treatments | Non-compliant end terminal resulting in potential accident | 3 | Confirm End Treatment requirements with Site Manager and end Customers | 6 |



STEP 2 – PLAN

| Step | What are the tasks involved? | What are the hazards and risks? | Initial Risk (1-6) | What are the risk control measures? | Revised Risk (1-6) |
|--------------------|--|---|--------------------|---|--------------------|
| <i>(Reference)</i> | <i>List the work tasks in a logical order.</i> | <i>What aspects of the work could harm workers or the public?</i> | | <i>Describe what will be done to make the activity as safe as possible?</i> | |
| 2. Plan | Ensure adequate Traffic Management | Potential Traffic Hazard – Danger to site personnel | 3 | Ensure all staff are aware of Traffic Management Plan | 5 |
| | Ensure spotter is available if required | Potential operator risk in unload | 2 | Work not to commence without designated spotter | 6 |
| | Ensure all work areas are accessible | Inability to complete task and create unsafe environment | 3 | Work not to commence if all areas are not deemed accessible to plan – revert discussions back to Site Manager | 6 |
| | Mark road for areas to avoid or navigate | Staff placed in unsafe positions | 3 | All markings to be IAW deployment plan | 6 |
| | Ensure accessibility for freight trucks | Poor traffic management – risk to operators | 3 | Ensure the area for freight is clearly accessible | 6 |
| | Brief all associated staff (e.g. Dogman) | Poor communication – potential risk to operators | 2 | Ensure all operators are fully briefed prior to commencement | 5 |
| | Brief staff on any site changes | Staff unaware of site changes or deployment | 3 | All work will cease if changes are made. Based upon the changes, revised SWMS to be implemented. | 5 |

STEP 3 – SAFETY BRIEFING

| Step | What are the tasks involved? | What are the hazards and risks? | Initial Risk (1-6) | What are the risk control measures? | Revised Risk (1-6) |
|--------------------|--|---|--------------------|--|--------------------|
| <i>(Reference)</i> | <i>List the work tasks in a logical order.</i> | <i>What aspects of the work could harm workers or the public?</i> | | <i>Describe what will be done to make the activity as safe as possible?</i> | |
| 3. Safety Briefing | Conduct safety briefing prior to commencement | Failure to conduct full briefing can result in operator injury | 2 | Ensure all staff present and signed off. | 5 |
| | Ensure all parties agree with safety needs | Lack of Site Knowledge | 3 | Ensure all staff sign SWMS | 6 |
| | Provide Manual Handling Briefing | Injury through poor manual handling or lifting | 2 | Outline manual handling requirements for barriers | 6 |
| | Outline Pinch Point Hazards | Potential damage to jamming hand, feet etc. | 2 | Use of Hazard Identification label on each barrier. Fully brief operators on potential risk and placement of hands and feet. | 6 |

**STEP 4 – DEPLOYMENT**

| Step | What are the tasks involved? | What are the hazards and risks? | Initial Risk (1-6) | What are the risk control measures? | Revised Risk (1-6) |
|--------------------|---|---|--------------------|--|--------------------|
| <i>(Reference)</i> | <i>List the work tasks in a logical order.</i> | <i>What aspects of the work could harm workers or the public?</i> | | <i>Describe what will be done to make the activity as safe as possible?</i> | |
| 4. Deployment | Plant & Equipment Operators to provide log books | Potentials unsafe equipment | 2 | Ensure log book is sited and equipment is deemed to be in a fit state for the intended purpose | 5 |
| | Ensure chains and lifting devices are certified and are fit for purpose | Breaking of chains could cause damage to both operators and product | 2 | View lifting equipment to ensure all product is compliant with certified labelling attached. | 5 |
| | Ensure that the Operator is licensed | Non-qualified staff creates potential for accident | 2 | View required tickets or licenses | 6 |
| | Hand Signals | Lack of understanding of hand signal could result in damage to both operators and product | 2 | Fully communicate hand signal techniques prior to the commencement of any work. | 5 |
| | Ensure that operators are kept well clear during the deployment | Potential crush injury | 2 | Fully brief all staff on deployment methods and "no-go" zones during the deployment process | 5 |
| | Connecting two barriers | Pinch point for hands / fingers | 2 | Fully brief operators and identify the warning labels prior to the commencement of work. | 5 |

I have read and understood and will follow the direction within the content of this SWMS.

I have been consulted in the content of this SWMS and I agree to the contents of this SWMS and will follow its direction.

| NAME | COMPANY | SIGNATURE | DATE |
|------|---------|-----------|------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |