

| Road Pave  | ement Construction Risk A        | ssessment                        |                           |
|--|----------------------------------|----------------------------------|---------------------------|
| Business Name:   |                                  | ABN:                             |                           |
| Business Address:  |                                  |                                  |                           |
| Contact Person:  | Phone:                           | Ema.                             |                           |
|  |                                  |                                  |                           |
| THIS RISK ASSESSI  | MENT IS APPROVED BY THE PCI      | BU ON W PROJECT                  |                           |
| Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts. | person conducting a busine or un | ndertaking PCBU required to ensu | re that a RISK ASSESSMENT |
| Full Name:   |                                  |                                  |                           |
| Signature:   |                                  | ritle:                           | Date:                     |
|  |                                  |                                  |                           |
| CL   | OR PRI. CIL L. CO. TRACTOR I     | DETAILS                          |                           |
| Client:  |                                  | SCOPE OF                         | WORKS                     |
| Project Name:  |                                  |                                  |                           |
| Project Address:   |                                  |                                  |                           |
| Project Manager:   |                                  |                                  |                           |
| Contact Phone:   |                                  |                                  |                           |
| Date Risk Assessment supplied to Project In  |                                  |                                  |                           |



#### **RISK MATRIX LIKELIHOOD** INSIGNIFICANT MINOR MODERATE MAJOR CATASTROPHIC HIERARCHY OF CONTROLS SCORE ACTION Elimination ALMOST 3 HIGH 3 HIGH 4 4 ACUTE ACUTE ACUTE **CERTAIN** Remove the hazard. Substitution 4 4 DO NOT Replace the hazard. LIKELY MODERATE HIGH HIGH ACUTE ACUTE ACUTE ROCEED Isolation Isolate People from the hazard 2 3 4 3H Rev before POSSIBLE MODERATE ACUTE ACUTE LOW HIGH HIGH. work Engineering Isolate the l/Acchanich. Ensure control 2 3 2M istrativ UNLIKELY measures in LOW LOW MODERATE HIGH ACU RATE е place. Chang 2 MODERATE 3 HIGH 1L Monitor and RARE LOW LOW LOW keep records.

### Risk Rating & Required Action:

| 4A | Stop work. The risk is intolerable,   | minate the hazard      | redesign the activity before proceeding. A Safe Work |
|----|---------------------------------------|------------------------|--|
|    | Method Statement (SWMS) or hime       | er-level authorisation | is required.   |
| 3H | Review and approve additional c       | role 'ask              | arts. Senior supervisor sign-off needed.             |
| 2M | Ensure all nominated controls are in- | prace and effective    | Proceed with caution; monitor conditions.            |
| 1L | Proceed, following standard operating | ig procedure // Ion    | itor and keep records.                               |

### **Consequence Scale:**

| Consequence   | People (injury/illness)                     | Project / Assets   | Compliance / Reputation                                  |
|---------------|---|--------------------|--|
| Catastrophic  | Fatality or permanent total disability      | project shutdown   | Significant regulator intervention; criminal prosecution |
| Major         | Serious injury/illness (hospital > 5 days)  | critical delay     | Improvement notice; major media coverage                 |
| Moderate      | Medical-treatment injury; lost-time > 1 day | moderate delay     | Minor breach; adverse client comment                     |
| Minor         | First-aid only, no lost time                | negligible delay   | Isolated non-conformance                                 |
| Insignificant | No injury                                   | no schedule impact | Deviation caught and corrected on site                   |

### Notes on Hierarchy of Controls:

Remember to apply controls in the preferred order shown by the coloured pyramid:

- 1. Eliminate
- Substitute
- 3. Isolate
- 4. Engineering
- 5. Administrative
- 6. PPE

Always document **why** a lower-order control is accepted if elimination or substitution is not reasonably practicable.

aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.



| JOB STEP              | POTENTIAL HAZARDS  | IR              | CONTROL MEASURES   | RR               |
|-----------------------|--|-----------------|--|------------------|
| SPECIFIC WORK STEPS   | HAZARDS THAT MAY ARISE   | INITIAL<br>RISK | SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS   | RESIDUAL<br>RISK |
| 1. Site Survey        | Uneven terrain, Traffic exposure                               | 3H              | - Conduct a detailed site survey to identify uneven acros  - Use signage to warn about traffic  - Implement traffic control measures  - Ensure all personnel wear high-visibility vestorable.  - Allocate designated crossin points  - Brief workers on potential transphazards before site persons.  - Utilise barriers transparant work mass from traffic.  - Provide instruction on safe provement within the site.  - Ensure communication solvices are operational for site communication.  - Rota on ffic color personnel to avoid fatigue.  | 2M               |
| 2. Equipment Delivery | Heavy lifting, Collision vehicles                              | 31              | <ul> <li>Use lifting excoments wheavy items</li> <li>Chedus delivers during low traffic periods</li> <li>Ensures ar communication between delivery drivers and site personnel use spotters for vehicle movements</li> <li>Provide training on manual handling techniques</li> <li>Temporary barriers around delivery zones to prevent unauthorised access</li> <li>Assign a supervisor to oversee all deliveries</li> <li>Ensure vehicles' safety features are operational before entry</li> <li>Provide adequate lighting for delivery zones</li> <li>Establish a clear path and communication protocol for reversing vehicles</li> </ul> | 1L               |
| 3. Equipment Setup    | Unfamiliarity with equipment, Potential for equipment tip-over | ЗН              | - Conduct training on equipment use and safety - Validate equipment stability before operation - Conduct pre-operational checks on all equipment - Ensure equipment is operated only by authorised personnel - Use stabilisers and ground guards for large machinery - Set up exclusion zones around operating equipment - Never leave equipment running unattended - Regularly review and update operation manuals  | 2M               |



| JOB STEP              | POTENTIAL HAZARDS                       | IR              | CONTROL MEASURES   | RR               |
|-----------------------|---|-----------------|--|------------------|
| SPECIFIC WORK STEPS   | HAZARDS THAT MAY ARISE                  | INITIAL<br>RISK | SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS | RESIDUAL<br>RISK |
|                       |   |                 | - Immediate reporting of faults to supervisors                         |                  |
|                       |   |                 | - Provide an on-site equipment specialist for guidance                 |                  |
| 4. Ground Preparation | Dust production, Noise pollution        | 3H              |  | 2M               |
| 5. Compaction         | Vibration exposur Equipment failure     | ЗН              |  | 2M               |
| 6. Pavement Placement | Heat exposure, Burns from hot materials | 3Н              |  | 2M               |



| JOB STEP            | POTENTIAL HAZARDS                           | IR              | CONTROL MEASURES   | RR               |
|---------------------|---|-----------------|--|------------------|
| SPECIFIC WORK STEPS | HAZARDS THAT MAY ARISE                      | INITIAL<br>RISK | SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS | RESIDUAL<br>RISK |
| 7. Rolling          | Machine vibration, Operator fatigue         | зн              |  | 1L               |
| 8. Joint Sealing    | Contact with chemical seal trips, and falls | JA              |  | 2M               |
| 9. Line Marking     | Toxic fumes, Chemical splashes              | 4A              |  | 2M               |



| JOB STEP            | POTENTIAL HAZARDS                                   | IR              | CONTROL MEASURES   | RR               |
|---------------------|---|-----------------|--|------------------|
| SPECIFIC WORK STEPS | HAZARDS THAT MAY ARISE                              | INITIAL<br>RISK | SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS | RESIDUAL<br>RISK |
| 10. Clean-Up        | Manual handling injuries, Exposure to debris        | 3H              |  | 1L               |
| 11. Demobilisation  | Vehicle movement, Loss of equipment                 | ЗН              |  | 1L               |
| 12. Quality Check   | Rework due to defects, Exposure to unfinished areas | ЗН              |  | 2M               |



| JOB STEP               | POTENTIAL HAZARDS                         | IR              | CONTROL MEASURES   | RR               |
|------------------------|---|-----------------|--|------------------|
| SPECIFIC WORK STEPS    | HAZARDS THAT MAY ARISE                    | INITIAL<br>RISK | SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS | RESIDUAL<br>RISK |
| 13. Waterproofing      | Chemical exposure, Water ingress          | 4A              |  | 2M               |
| 14. Sign Installation  | Working at heights, Tool-related injuries | 4A              |  | 2M               |
| 15. Traffic Management | Collisions, Pedestrian risks              | 4A              |  | 2M               |



| JOB STEP                        | POTENTIAL HAZARDS                    | IR              | CONTROL MEASURES   | RR               |
|---------------------------------|--------------------------------------|-----------------|--|------------------|
| SPECIFIC WORK STEPS             | HAZARDS THAT MAY ARISE               | INITIAL<br>RISK | SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS | RESIDUAL<br>RISK |
|                                 |                                      |                 |  |                  |
| 16. Environmental<br>Monitoring | Environmental spills, Dust emissions | 3H              |  | 2M               |
| 17. Communication               | Miscommunication, Emergency alerts   | ЗН              |  | 1L               |
| 18. Emergency<br>Response       | Response delay, Inadequate first aid | 4A              |  | 2M               |



| JOB STEP            | POTENTIAL HAZARDS                                      | IR              | CONTROL MEASURES   | RR               |
|---------------------|--|-----------------|--|------------------|
| SPECIFIC WORK STEPS | HAZARDS THAT MAY ARISE                                 | INITIAL<br>RISK | SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS | RESIDUAL<br>RISK |
|                     |  |                 |  |                  |
| 19. Documentation   | Incomplete records, Data loss                          | 2M              |  | 1L               |
| 20. Handover        | Lack of information transfer, Unclear responsibilities | ЗН              |  | 1L               |



| JOB STEP            | POTENTIAL HAZARDS      | IR              | CONTROL MEASURES   | RR               |
|---------------------|------------------------|-----------------|--|------------------|
| SPECIFIC WORK STEPS | HAZARDS THAT MAY ARISE | INITIAL<br>RISK | SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS | RESIDUAL<br>RISK |
|                     |                        |                 |  |                  |





### **EMERGENCY RESPONSE - CALL 000 FOR EMERGENCIES**

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

### LEGISLATIVE REFERENCES

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES. ANY STATE OF AT ARE NOT APPLICABLE.

### **Queensland & Australian Capital Territory**

Work Health and Safety Act 2011

Work Health and Safety Regulations 2011

Legislation QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws Codes of Practice QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice

Legislation ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations">https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations</a>

Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice

### **New South Wales**

Work Health and Safety Act 2011

Work Health and Safety Regulations 2017

Legislation NSW: https://www.safework.nsw.gov.au/legal-obligations/legislations/

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis > odes-oi racti

### **Northern Territory**

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 201

Codes of Practice NT: https://worksafe.nt.gov.au/f

#### South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (SA)

Legislation for SA: https://www.safework.sa.gov.au/resources/le\_lation

Codes of Practice for SA: https://www.safework.sa.gov.au/work\_aces/codes-of-practice#COPs

### Tasmania

Work Health and Safety Act 2012

Work Health and Safety (Transitional and Consequential Provisions) Act 2012

Work Health and Safety Regulations 2012

Work Health and Safety (Transitional) Regulations 2012

Legislation for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations

Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice

Details of permits, licenses or access required by regulatory bodies (add or delete as required):

- Permits from local council
- Authorisation to commence work
- Any required documents.

### Victoria

Occupational Health at Safety Act

Occupational Health and affety gulations 2017

Legis on VIC: https://www.wksafe.vic.gov.au/occupational-health-and-safety-act-and-

gulat

les on actice VI atps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice

### Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: https://www.commerce.wa.gov.au/worksafe/legislation

Codes of Practice WA: https://www.commerce.wa.gov.au/worksafe/codes-practice

### Safe Work Australia Links

Law and Regulation (All States): https://www.safeworkaustralia.gov.au/law-and-regulation Model Codes of Practice: https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice

### **Model Codes of Practice**

- Managing noise and preventing hearing loss at work
- Confined spaces
- Labelling of workplace hazardous chemicals
- Managing risks of hazardous chemicals in the workplace
- Welding processes
- First aid in the workplace
- Managing the risk of falls at workplaces
- Hazardous manual tasks
- Managing the risk of falls in housing construction
- Managing electrical risks in the workplace
- Demolition work
- Excavation work
- Work health and safety consultation, cooperation and coordination
- Managing the work environment and facilities
- How to manage work health and safety risks
- Managing risks of plant in the workplace
- Construction work