



Heavy Infrastructure Bridge and Da	ım Construction SAFE Wo	ORK METHOD STATEMENT (SWMS)
TASK OR ACTIVITY	: Heavy Infrastructure Bridge an	d Dam Construction	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E qil:	
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE PCL OF THE ROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	cting a business or undo	required to en. a that a safe work method s	statement (SWMS) is prepared before
Full Name:			
Signature:		Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring	noliance the VMS a well as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS 5 MS M HAVE THE FOLLOWING COMMUNICATED	NALE OF ALL RELEVANT PERSONN EVELOPMENT AND APPROVAL OF	EL WHO HAVE BEEN CONSULTED AND CO THIS SWMS	OMMUNICATED TO IN THE
Safety meetings or toolbox talks will be scheded in accomply with gislative requirements to first identify any site hazards, complying those hazards and then to further take steps to either eliminate or continuous each hazard.			
If an incident or a near miss occurs, all work must sto, quately. Depending on the severity of the incident, a meeting will be called with all workers to amend the SWMS if required. The meeting may also be an educational opportunity.			
Any changes made to the SWMS after an incident or a near miss must be approved by the Person Conducting Business or Undertaking and communicated to all relevant personnel.			
The SWMS must be kept and be available for inspection at least until the work is completed. Where a SWMS is revised, all versions should be kept. If a notifiable incident occurs in relation to which the SWMS relates, then the SWMS must be kept for at least two years from the occurrence of the notifiable incident.			

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CLIENT OR PRINCIPAL	CONTRACTOR DETAILS
Client:	SCOPE OF WORKS
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Date SWMS supplied to Project Manager:	
ANY HIGH-RISK CONSTRUCTOR	ON WO K BEIN O KRIED OUT
☐ involves a risk of a person falling more than 2 meters	☐ is carried out on or near pressurised gas mains or piping
☐ is carried out on a telecommunication tower	carried out on or near chemical, fuel or refrigerant lines
☐ involves demolition of an element of a structure that is load-bearing	☐ is carried out on or near energised electrical installations or services
☐ involves demolition of an element related to the physical integration of a ructure	☐ is carried out in an area that may have a contaminated or flammable atmosphere
☐ involves, or is likely to involve, disturbing asb	☐ involves tilt-up or precast concrete
☐ involves structural alteration or repair that — quires term — ov sup — rt to prevent collapse	☐ is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor
is carried out in or near a confined space	☐ is carried out in an area of a workplace where there is any movement of powered mobile plant
☐ is carried out in/near a shaft or trench deeper tha tunnel involving use of explosives	☐ is carried out in areas with artificial extremes of temperature.
☐ is carried out in or near water or other liquid that involves a risk of drowning.	☐ involves diving work.
ANY HIGH-RISK MACHINER	RY OR EQUIPMENT NEARBY

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RISK MATRIX										
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION		HEIRARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE	SCORE		Elimination Remove the hazard.		
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCE		Substitution	
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review befor work starts.		Replace the hazard.	
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.		Isolate People from the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	nitor and		Engineering Isolate the hazard.	
is the second m	rchy of Controls: ost effective metho nging the work is th	d of controlling a	hazard. Enginee	ring by isolati		et. 'ive, while	rd. Substitution Administrative effective		Administrative Change the work. PPE	

				PERS		TIVE EQUIPM					
		Select the app	ropriate PPL	abo. ~uitab	le or the equip	oment used or	the job task	being perform	ned (if applica	able).	
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	ARING STION	F' CTIO	RL PIRATORY PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
Other PPE R	equired:										
	Pe	ermit or Licen	ses Requirem	ents		Mandatory Qualifications and Training					



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
Site establishment and mobilisation	Unplanned vehicle movement Contact with pedestrians Uneven ground surfaces Overhead and underground services Poor site access and egress Noise exposure Dust inhalation	ЗН	Develop and implement a Traffic Manager of Plan in accordance with AS 1742.3 before any plant enters site Install site fencing, lockable gates and clear of the on zones to separate pedestrians from vehicles Erect directional signage an speed limit signs coll site enterpoints and internal haul roads Locate and positively identify interground and over a services using Dial Before You Digiplans and service locators before a vation of driving star pickers. Mark all knows services viol durate point are physical markers and establish no-go zones around high-risk services. Levered compositively access roads and lay crushed rock or mats over soft ground before allowing any version of enter. Designate of others include reversing trucks and plant and instruct operators to use low-speed, one-way systems where tractice. Scheen tractice. Scheen tractice of voice and issue hearing protection zones where LAeq may exceed roosure candards. In quire workers to wear AS/NZS 2210.3 safety boots, AS/NZS 1337.1 safety glasses and AS/NZS 1270 hearing protection when in active work areas. Implement water cart or hose dust suppression on unsealed roads and stockpiles during dry or windy conditions. Establish emergency assembly points, post site maps and brief all workers during site induction on DO NOT allow unauthorised visitors or suppliers beyond the designated delivery point without induction and escort.	2M
Geotechnical investigation and survey	Drill rig entanglement Borehole collapse Unstable ground edges Exposure to contaminated soils Manual handling of survey equipment Trip hazards from pegs and lines	зн	 Position drill rigs on level, compacted ground and install chocks or outriggers as per manufacturer instructions Fit and check drill rig guarding, emergency stop buttons and lockout devices before operation Establish exclusion zones around rigs using barriers and signage and restrict access to trained drill crew only Use a competent geotechnical engineer to specify casing and drilling methodology to prevent borehole collapse near dams or pylons Instruct drillers to stand clear of rotating rods and augers and to keep loose clothing and gloves away from moving parts Collect soil samples using approved containers and handle suspected contaminated material using nitrile gloves and P2 respirators 	2M



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
			Arrange hazardous soil classification and disposal through licensed waste contractors where contamination is identified	
			• Use mechanical aids such as trolleys or Utes to + sport survey gear instead of carrying long distances by hand	
			• Train survey crew to use team lifts for trip 3, GPS pole and heavy pegs over 20 kg	
			• Install highly visible caps on survey pegs and air juy lines or tapes with high-visibility colours to reduce trips	
			• DO NOT leave open boreho unattended; cap, ricad backfill boreholes on completion the same shift	
			• Engage a or geotech all eng. For to of your cut and fill batters, earth fill dam walls and compaction requirements fore work arts	
			Mai ximun. Slopes and haul routes on drawings and physically peg or flag limits on site	
			Oper e zers, s pers and compactors within specified gradient limits and approach edges of dams and en ank ints pe indicular where practicable	
	Plant rollover on batters		Fit RO ₁ 3/FO ₁ and seatbelts to all earthmoving plant and require operators to wear seatbelts w. never noper ion	
			Estable eparate up-haul and down-haul routes and implement right-of-way procedures for loaded	
Bulk earthworks and	Vehicle–plant collision Stockpile collapse		• A sign trained spotters at high-risk intersections, dump points and near footbridge, bunker and silo foundation excavations	
earth fill dam construction	Earth fill dam wa nstability Dust inhalation	4A	Construct stockpiles with stable side slopes and keep personnel outside the potential collapse zone at the toe	2M
	Noise and vibration exposure		Compact dam embankments and bridge approaches in accordance with the engineer's specifications and test using density tests before loading	
	Striking buried service		Use water carts or fixed sprays to control dust on haul roads, earth fill placements and spoil stockpiles	
			• Restrict access to vibrating plant and advise nearby workers of potential vibration and noise exposure limits	
			Confirm location of any remaining underground services before expanding cuts or building embankments near existing infrastructure	
			• DO NOT allow plant to operate closer to trench or dam edges than the distance specified by the geotechnical engineer or manufacturer	
			• Require operators and ground crew to wear high-visibility long-sleeve shirts, long pants and AS/NZS 2210.3 safety boots within the earthworks zone	
Excavation for	Trench collapse			
foundations and bunkers	Falls into excavations	4A		2M
Julinelo	Plant striking workers			



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
	Water ingress and flooding			
	Undermining adjacent structures	-		
	Exposure to buried asbestos or contaminants			
	Contaminants			
		-		
				_
				•
			<u> </u>	
	Formwork collapse			
	Scaffold failure			
Formwork, falsework	Falls from height			014
and scaffolding	Falling objects	4A		2M
	Pinned fingers and crush injuries			
	Instability from wind loads			



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
Steel fixing and reinforcement installation	Trips on reo bars Penetration from starter bars Manual handling strains Use of power tools Working over war or voids Heat stress on expenses			1L
Concrete placement and curing	Concrete splashes to skin and eyes Hose whip from pump line Formwork blowout Slip hazards on wet surfaces Noise from pumps and vibrators Exposure to admixture chemicals	4A		2M



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
Structural steel erection and assembly	Falling from steelwork Falling objects from height Load swing during lifts Bolt up pinch points Arc flash and welding fumes Instability of partially erected frames	4A		2M



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
Working at heights on bridges and dams	Falls from edges Falls through openings Falling tools and materials Fragile surfaces Working over water Rescue difficulties	4A		2M
Confined space and internal structure entry	Oxygen deficiency Toxic gas accumulation Engulfment by product or water Restricted access and egress Communication failure Uncontrolled energisation of equipment	4A		2M



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
Heavy lifting and crane operations	Crane overturning Load drop from pring failure Collision with structure power lines Ground failure under or linger Public interface risks	4A		2M
Water management and working near water	Drowning risk Rapid water level changes	3H		1L



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	Strong currents at dams Slips on wet surfaces Equipment submersion Mosquito and waterborne disease exposure	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL
Services installation and finishing works	Electric shock from live services Contact with rotating pic. Silica dust from cutting Noise from cutting and grinding Chemical exposure from coatings Trips from unfinished surfaces	ЗН		1L



SPECIFIC WORK STEPS		IR	CONTROL MEASURES	RR
	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
Demobilisation and site reinstatement • R: • TI • EI • U	Unsecured excavations Residual construction debris Traffic interactions during demob Environmental contamination Unmarked changes in ground levels Uncontrolled public access	2M		1L

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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 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: https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations

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 2025

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

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

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 201

Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/wo

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

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/wor/ 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

Or pational Health a. Safety Act J4

Occ ational Health and afety gulations 2017

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

tes of actice V/ attps://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/modelcodes-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





SIGNATORIES OF THE SAFE WORK METHOD STATEMENT

The signed and dated personnel listed below have cooperated in the consultation and development of this Safe Work Method Statement which has been approved by the Person/s Conducting a Business or Undertaking (PCBU). In signing this Safe Work Method Statement each individual acknowledges and confirms that they have read this SWMS in full, having raised any questions for items on this Safe Work Method Statement that require clarification, and confirms that they are competent, skilled and knowledgeable for the task assigned to them. Every person acknowledges that they have received the relevant training and qualifications where required, before carrying out any work contained in this Safe Work Method Statement. By signing this Saf Work Method Statement each individual agrees to work safely, to follow any safe work instructions which are provided, and agrees to use all Personal Protective Equipment where appropriate.

Worker Name	Signature

SAFE WORK N. THE STATEMENT MONITORING AND REVIEW

The SWMS must be reviewed regularly to make sure it remains fective of must be reviewed (and revised if necessary) if relevant control measures are rovised. The view respectively should be carried out in consultation with workers (including contractors as a sub-intractors of the SWMS and their health and safety representatives who represented that work group at the workplace.

When the SWMS has been revised the PCBU must ensure that advised that a revision has been made and how they can access the revised SWMS, including all persons who will need to change a work procedure or system as a rest of the review are advised of the changes in a way that will enable them to implement their duties and the revised SWMS. All workers that will be involved in the work must be provided with the relevant information and instruction that will assist them to understand and implement the revised SWMS.

The SWMS must be monitored regularly for the effectiveness of ensuring hazard controls are effective in reducing the risk of incidents, keeping the workplace safe for all personnel. The person responsible for monitoring the effectiveness of the Safe Work Method Statement should employ a multi-faceted approach which includes but is not limited to:

- Spot Checks.
- 2. Consultation with workers, contractors and sub-contractors.
- 3. Internal audits on a continual basis.

An approach of continuous improvement, promptly recording inconsistencies or deficiencies, followed up by immediate corrective action and consultation with all relevant personnel ensures that the PCBU is consistently developing ever-improving systems of safe work principles.

REVIEW NUMBER	1	2	3	4	5	6	7
NAME							
INITIALS							
DATE							

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SAFE WORK METHOD STATEMENT REVIEW CHECKLIST

This Safe Work Method Statement Review Checklist is to be followed and used upon initial development of the SWMS to help ensure that all steps have been adequately taken before work commences. Think of this document as an internal audit review checklist before commencing work, and may form part of a Toolbox Talk (safety meeting) and may be used as an opportunity for education and training.

ITEMS WHICH MUST BE INCLUDED IN THE SWMS	COMPLETED	COMMENTS
The company details have been entered, including the project name and address.		
All relevant personnel consulted during the development of the SWMS.		
Name, signature, position and date signed of the person approving the SWMS.		
Specific personnel and qualifications, experience is noted in the SWMS.	7	
Provides a step-by-step process of tasks required to carry out the activity or task.	k	
Adequate risk assessment of any identified hazards has been completed.	\boxtimes	
Foreseeable hazards are identified and documented for each step.	\boxtimes	
Any hazards listed in any site risk assessments have been added to the SWMS		
SWMS initial risk (IR) column as well as residual risk (RR) colum mpleted.	\boxtimes	
Check control measures added to the SWMS are the most effective selections.		
Responsible person is assigned and listed on the part of the important of	\boxtimes	
Permit or licenses requirements specified, sur as Hot Work, Electric Work, Work at Heights etc.	\boxtimes	
SWMS identifies plant and equipment to be use	\boxtimes	
Details of inspection checks required for any equipment listed an onthe SWMS.	\boxtimes	
Describes any mandatory qualifications, experience, use or skills required to perform the work.	\boxtimes	
Applicable personal protective equipment is selected on the SWMS.		
Reflects and documents any legislative references and/or Australian Standards.	\boxtimes	
Identifies any hazardous substances used with specific control measures in line with any SDS.	\boxtimes	
REVIEWED BY	DATE REV	/IEWED
SIGNATURE	DATE COM	PLETED