

# NZ BRIDGE HAZARD IDENTIFICATION AND RISK ASSESSMENT – updated 16 April 2020

Completing on behalf of:	Activity Description:
Assessment done by and when:	
Notes:	

Section 1.	Hazards: Potential Damaging Energies (Mark X	where appropriate)
Environment	Radiation	Biological
Adequate access	lonizing radiation	Microbiological
Air-conditioning	Non-ionizing radiation	Animal tissue / Fluids
Confined spaces		Human tissue / Fluids
Lighting		Allergenic
Exercise	Kinetic Energy	Other Biological
Mental stress	The body hitting objects	
Ergonomics	Hit by moving objects	Chemical / Hazardous Substance
Emergency Access plan in place	Explosion	Liquids
Sitting long periods	Penetrating objects	Fumes
Temperature / Weather Effects	Vibration	Gases
Heat	Acoustic / Noise	Vapours / Mists
Cold		Solids
Rain / Flood	Energy	
Wind	Electrical	Manual Handling
Pressure (Diving / Altitude)	Gravity	Lifting / Carrying
Lightning	Falls / Trips / Slips	Pushing / Pulling
Smoke	Falling objects	Posture
		Reaching/ Overstretching
Health and Security	Mechanical	Repetitive movement
Food	Vehicles	Bending
Poisoning or Contamination	Mobile and Fixed plant	
Intoxication	Powered Equipment	Miscellaneous
Dehydration	Non-Powered Equipment	Working at heights
Violence		Cuts / lacerations
Working alone	Child and Youth Health and Safety	Driving
Bites / Stings	Abuse	Time pressures
Bullying	Bullying	International Travel
Coughing	Billeting	
Personal Hygiene (spread of germs)	Environment	

Feel free to add other lines any time. These are designed as prompts.

Secti	on 2 :	Summary of Identified Hazards	
1.		9.	
2.		10.	
3.		11.	
4.		12.	
5.		13.	
6.		14.	
7.		15.	
8.		16.	
Anys	specific	circumstances (describe):	
Perso	ons / Gr	oups at Risk: (list)	
Is th	ne	Minimal risk exposure	
ris	Adequately controlled. No farther action required		
	Mark with X Inadequately controlled. Further Action/Investigation Required. Proceed with Risk Assessment (Section 3)		
		Covered by Regulation/Standard/Code Specify:	

**Section 3. – Risk Assessment** (List identified hazards and detail measures taken to address the hazards) This form is to be expanded electronically or additional information attached where required

Controls to be considered from the following hierarchy of control

- 1. Elimination (is it necessary?)
- 2. Substitution
- 3. Isolation (restrict access)
- 4. Engineering (guarding, redesign)

- 5. Administration (training. Operations manual, Child Policy,)
- 6. Personal Protective Equipment (PPE) eg (gloves, leather apron, coveralls, respirator) etc

Identified Hazards	Risk asse	ssment	Risk	Required Controls	Controls Implemented YES / NO Mark with X	
Exposure	Consequences	Likelihood	Rating			

Section 4 – Implementation	on Plan			
Control	l Option	Resources	Person(s) Responsible	Proposed Implementation date
Section 5 – Consultation				
	onsulted in relation to this ri	sk assessment? Yes [] No [] If ye	as indicate who was consul	tad
Name:	Date:	Name:	D	ate:
Section 6 – Comments and	l Endorsements			
Completed by Name:	Signatui	re:	Date:	
Assessment Approval:				
I am satisfied that the risks	are not significant and/or a	dequately controlled and that re	sources required will be pro	vided.
Name:	Signature:	Date:		
Nume.	Signature.	Date.		
Position Title:				

## **Risk Assessment Matrix**

#### PRIORITISING HAZARDS AND RISKS

Pr	obability			
Consequences	Very Likely	Likely	Unlikely	Highly Unlikely
Life Threatening	High	High	High	Medium
Detrimental	High	High	Medium	Medium
Harmful	High	Medium	Medium	Low
Negligible	Medium	Medium	Low	Low

## HAZARD CONSEQUENCE RATING TABLE

Life Threatening	Hazard may cause death or total loss of one or more bodily functions (eg. loss of: or use an arm, an eye, huge financial loss etc).
Detrimental	Hazard may cause severe injury, illness or permanent partial loss of one or more bodily functions (eg. noise induced hearing loss), or serious property damage, loss of production capability.
Harmful	Hazard may cause a reportable incident ie. an incident that results in the employee being unable to undertake their normal duties for 7 days or more, or significant property damage, high financial loss.
Negligible	Hazard may cause minor injury, illness or property damage, first aid treatment only or no injury, low financial loss.

## PROBABILITY RATING TABLE

Very Likely	Exposure to hazard likely to occur frequently.
Likely	Exposure to hazard likely to occur but <b>not</b> frequently.
Unlikely	Exposure to hazard unlikely to occur.
Highly Unlikely	Exposure to hazard so unlikely that it can be assumed that it will not happen.

#### **RISK PRIORITY TABLE**

Risk Priority	Definitions Of Priority	Suggested Time Frame
High	Situation critical, stop work immediately or consider cessation of work process.  Must be fixed today, consider short term and/or long term actions.	Now
Medium	Is very important, must be fixed this week, consider short term and/or long term actions.	This Week
Low	Is still important but can be dealt with through scheduled maintenance or similar type programming. However, if solution is quick and easy then fix it today.  Review and/or manage by routine procedures.	1 - 3 Months