

Bridge Timber Re-decking

Issue date: 23/04/08
Review date: 16/02/11

SWMS number: SMS-06-SW-0993	SWMS Name: Bridge Timber Re-decking	SWMS Team: Civil Construction Review Team	
Custodian (Position): Services Manager Civil	Assumptions: Site specific risk are addressed & assessed in pre-work briefing.		Content reviewed by Technical expert (SME) and RailCorp safety professional.(position including Div/Group) Civil Construction Services Team C1 and SEQ Coordinator Asset Management, Commercial Renewals.
Approving Authority (Position): Safety and Quality Manager, Commercial / Renewals	Plant/Equipment/Tools: <ul style="list-style-type: none"> • Powered Hand tools • Grinder • Hand tools • Hi Rail Truck/Hiab 	Records/Reporting: <ul style="list-style-type: none"> • Worksite protection plan • Pre-work brief • Environmental protection plan • Hazardous substance register, MSDS 	Permits/licences required: Nil
Applicable Standards, Codes of Practice and guidance: <ul style="list-style-type: none"> • OH&S Act 2000 • OH&S Regulation 2001 • Rail Safety Regulation 2003 • Railcorp Network rules & procedures • RailCorp Safety Management System. • MSDS for all chemicals & hazardous substances used on site. • National Code of Practice for Manual Handling [NOHSC:2005] • EC14 – Guide to Electrical Workers Safety Equipment • AS/NZS 1891.4 – 2000 “Industrial fall arrest systems and devices – Selection, use and maintenance” • AS 2550.11-2004 Cranes, hoists and winches - Safe use - Vehicle-loading cranes • WorkCover NSW Plant Guide • AS 4839 portable oxy-fuel gas systems 	Inspection requirements: <ul style="list-style-type: none"> • Electrical Practices for Construction Work SMS-06-SW-0298 	Service schedule: Nil MIMS or METRE Ref: Nil	Training/Qualifications required: <ul style="list-style-type: none"> • Construction Industry Induction • Track safety Awareness or RISI (rail industry safety induction) • Electrical Awareness (QEL 23) • For Harbour Bridge work – RTA Induction Card is required. <p>And as specified below.</p> <ul style="list-style-type: none"> • Sunscreen lotion, Insect repellent • Ear muffs, Ear plugs • Gloves • A worksite first aider.

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1	Load Vehicle	Strains Sprains	C+	Sufficient numbers of staff load and unload vehicle. Use Hiab for heavy loads	D	Site Supervisor Workcover.	Guide to manual handling SMS-06-GD-0001
2	Access Worksite	Struck By Train	B-	Worksite protection plan, find safe place, use lookouts	D	Site Supervisor Competencies PO4	Pre-work briefing SMS-06-FM-0163
		Hazards From Sharing Site With Other Work Groups	C+	Liaise with possession officer and other work groups in area to ensure any hazards are addressed	D	Site Supervisor PO4	Pre-work briefing SMS-06-FM-0163
		Struck By Cycle (Cycleway)	B-	Designate lookouts when accessing worksite from cycleway	D	Site Supervisor PO4	Pre-work briefing SMS-06-FM-0163
		Slip Trip	C+	Vigilance adequate lighting use torch	C-	Site Supervisor/Staff	Pre-work briefing SMS-06-FM-0163
3	Tools And Equipment To Worksite	Trips Slips	C+	Vigilance adequate lighting use wheel barrow or trolley	C-	Site Supervisor/Staff	Pre-work briefing SMS-06-FM-0163
		Struck By Train	B-	Safe place wait for possession to be granted	D	Site Supervisor PO4	Pre-work briefing SMS-06-FM-0163
4	Construct Timber Panels	Splinters, Cuts, Lacerations	C-	Riggers gloves to be worn	D	Site Supervisor	Personal Protective Equipment SMS-06-GD0323
		Dust	C-	Use dust masks and eye protection. Geo fabric laid under work area. Vacuum cleaner used while drilling and cutting	D	Site Supervisor	Personal Protective Equipment SMS-06-GD0323
		Noise	B-	Use ear protection when working with power tools	D	Site Supervisor	Noise Management SMS-06-GD-0273
		Strains And Sprains	C +	Manual handling skills safe lifting technique adequate number of staff when lifting or moving panels	D	Site Supervisor All Staff	Guide to manual handling SMS-06-GD-0001

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		Falling Objects	B+	Vigilance geo fabric under working area tools used near opening tied to fixed location to prevent from falling	C+	Site Supervisor All Staff	Pre-work briefing SMS-06-FM-0163 Working at heights SMS-06-GD-0240
		Slip Trip	C+	Vigilance keep work area tidy bag offsets and sawdust	C-	Site Supervisor All Staff	Pre-work briefing SMS-06-FM-0163
		Injury From Power Tools	C-	Use competent operator check guards and electrical tags	D	Site Supervisor All Staff	SWMS & SWI's SMS-06-PR-0023
5	Removal Of Existing Panels	Fall From Height	C+	Harnesses to be worn and anchored to anchor point.	C-	Site Supervisor All Staff	Working at heights SMS-06-GD-0240
		Dropping Tools Or Materials Through Opening	C+	Harbour bridge catch scaffold gantry placed in position under work area where possible	D	Site Supervisor All Staff	Working at heights SMS-06-GD-0240
		Splinters, Cuts, Lacerations	C+	PPE gloves to be worn	C-	Site Supervisor All Staff	Personal Protective Equipment SMS-06-GD0323
		Sprains And Strains	C+	Manual handling skills safe lifting technique adequate number of staff when lifting or moving panels	D	Site Supervisor All Staff	Guide to manual handling SMS-06-GD-0001
6	Squaring Of Remaining Existing Panels	Falling Of Cuts	C-	Gantry to be placed in position where possible or use catch net and vacuum cleaner	D	Site Supervisor All Staff	Working at heights SMS-06-GD-0240
7	Installation Of New Panels	Sprains Strains	C+	Manual handling skills safe lifting technique adequate number of staff when lifting or moving panels	D	Site Supervisor All Staff	Guide to manual handling SMS-06-GD-0001
		Splinters, Cuts, Lacerations	C+	PPE gloves to be worn	D	Site Supervisor All Staff	Personal Protective Equipment SMS-06-GD0323
		Fall From Height	C+	Harnesses to be worn and anchored to anchor point.	C-	Site Supervisor All Staff	Working at heights SMS-06-GD-0240

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8	Storage Of Panels	Personal Injuries From Hand Tools	C-	PPE gloves eye and ear protection	D	Site Supervisor All Staff	Personal Protective Equipment SMS-06-GD0323	
		Injury From Power Tools	C-	Use competent operator check guards and electrical tags	D	Site Supervisor All Staff	SWMS & SWI's SMS-06-PR-0023	
13	Removal Of Timber And Materials From Site	Injury From Stacking Panels	C-	Safe lifting technique adequate number of staff lifting and stacking manual handling skills use Hiab where possible	D	Site Supervisor All Staff	Guide to manual handling SMS-06-GD-0001	
		Stack Falling	C+	Build stack away from track on flat surface clear of access ways and strapped	C-	Site Supervisor All Staff	Guide to manual handling SMS-06-GD-0001	
13		Personal Injury	C+	PPE use adequate number of staff when manual loading two staff on deck to staff on truck stacking use manual handling skills	C-	Site Supervisor All Staff	Pre-work briefing SMS-06-FM-0163	
		Timber Falling From Truck	C+	All loads strapped and checked before moving truck	D	Site Supervisor All Staff	Guide to manual handling SMS-06-GD-0001	
		Injury From Load While Moving With Hiab	C+	Competent operator with lookout keeping area clear of staff	C-	Site Supervisor Workcover Ticketed Operator	Plant SMS-06-GD-0225	
		Struck By Moving Load	C+	Stay clear of truck and load	C-	Site Supervisor Workcover Ticketed Operator	Plant SMS-06-GD-0225	
		Oil Spills From Plant	C-	Plant inspection prior to going on track	D	Site Supervisor Workcover Ticketed Operator	Plant SMS-06-GD-0225	
		Fall When Accessing Truck	C-	Vigilance use access ladder provided	D	Site Supervisor Workcover Ticketed Operator	Plant SMS-06-GD-0225	
11	Disestablish Worksite	Handling Tools And Materials	C-	Vigilance leave nothing behind bundles to be strapped and clear of access ways and tracks	D	Site Supervisor All Staff	Guide to manual handling SMS-06-GD-0001	

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12	Remove Protection	Trips Slips Uneven Surfaces	C+	Vigilance adequate lighting use torch	C-	Site Supervisor PO4	Pre-work briefing SMS-06-FM-0163
13	Strip Old Panels	Working With Oxy Cutting Equipment	C-	Competent operator check equipment before use correct PPE	D	Site Supervisor Competency	SMS-06-PR-0329
		Work With Grinder	C-	Check plant guards and electrical tags	D	Site Supervisor Competency	SWMS & SWI's SMS-06-PR-0023

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NOTE: Each work group or team member must sign off on the SWMS to acknowledge they have been briefed about or instructed in the SWMS

RailCorp Level 2 Risk Matrix - Regional & Local (Workplace)			Likelihood/Frequency							<u>Definition for Use - Regional & Local level (Workplace)</u>	
			Event Frequency	Less than once every 1000 years	Once every 100 to 1,000 years	Once every 10 to 100 years	Once every 1 to 10 years	More than once per year up to and including 10 times per year	More than 10 times per year		
			Historical (Likelihood)	Unheard of in the rail industry	Has occurred once or twice in the rail industry	Has occurred many times in the rail industry, but not in NSW	Has occurred once or twice in NSW	Has occurred frequently in NSW	Has occurred frequently at specific locations		
			Workplace Predictive (Likelihood)	Not expected to occur	May occur only in exceptional circumstances	Could occur at some time but not likely	You would expect it to occur at least once in the next 10 years performing similar activities	You would expect it to occur at least once this year performing similar activities	You would expect it to occur at least once this month performing similar activities		
			F1	F2	F3	F4	F5	F6			
Consequence			Incredible	Improbable	Remote	Occasional	Probable	Frequent			
>10 Fatalities	C6	Disastrous	B-	B+	A	A	A	A			
2-10 Fatalities	C5	Catastrophic	C+	B-	B+	A	A	A			
1 Fatality (2-10 Major Injuries)	C4	Critical	C-	C+	B-	B+	A	A			
1 Major Injury	C3	Major	D	C-	C+	B-	B+	A			
1 or more Minor Injuries	C2	Minor	D	D	C-	C+	B-	B+			
First aid treatment, or illness/injury not requiring treatment	C1	Negligible	D	D	D	C-	C+	B-			