

HEALTH AND SAFETY RISK ASSESSMENT MASTER SHEET

Works Name: Contract 6.0, 2026 Knockbrack Bridge Replacement

Job Location: Knockbrack		Works	January	February	March	April	May	June	July	August	September	October	November	December	
PSDP (CMO)	DCC														
PSCS (CMO)	Contractor														
Total No.Work Days	20														
Total No.man Days															
Work Days > 30 or Man Days > 500 = Notify HSA															

Physical Data		Traffic Data		Traffic Management		Particular Risk items			
Brief description of Works: Bridge replacement with 1.2m diameter pipe, concrete headwalls and construction of parapet and reinstatement	Local	AADT		Accident History		Burial	X	Compressed air	
		%HCV		Pedestrians	X	Falls from height	X	Explosives	
				Schools		Chemical/Biological	X	Heavy Components	X
Road Classification	Local			Shops		Radiation		Vibration	X
Road ID (incl. Seg)	L1064	Speed Limit	60 kph	Cyclists		HV Power Lines	X		
Road width	5.0m			Equestrian/Rail Crossing		Drowning	X		
Works Length	8m	Operating Speed	60 kph	Vulnerable Road Users	X	Underground Works	X		

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Design prepared by: Martin Quigley Road Design

Identified Items

Map Ref.	Item	Hazard/Risk	Hi	Med	LW	Control	Hi	Med	LW
	1	Working In Close Proximity To Live Traffic	X			<p>A Traffic Management Plan Designed And Implemented In Accordance With The Appropriate Legislation And Guidance Documents Prior To Commencement Of Works. Ensure Signs Can Be Seen (Clear From Weeds Etc). ROAD CLOSRE REQUIRED</p> <p>B Risk Assessment Should Be Carried Out On Site Using The HSA's SSWP.</p> <p>C All Employees Should Wear Appropriate PPE.</p> <p>D Mud From Site Works Should Be Kept Off The Carriageway And Pedestrian Routes. Any Contamination Should Be Cleaned Up.</p> <p>E Erect Lighting At Night Where Appropriate.</p> <p>F On Completion Of Work The Site/Road Pavement Must Be Visually Inspected And Deemed Satisfactory And Temporary Traffic Management Arrangements Removed.</p>			X
	2	Working In Close Proximity To Mobile Plant & Machinery	X			<p>A All Operatives To Work Outside The Swing Radius Of Excavators And Similar Plant</p> <p>B Contractor Will Identify A Safe Area For The Acceptance Of Deliveries</p> <p>C The PSCS To Develop Site Specific Risk Assessments.</p>			X

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						Communicate Hazards & Controls To All Personnel On-Site D Lifting Operations, Suitably Sized Crane With Competent Operator & Slinger/Banks Man E All Site Personnel Will Receive A Site Induction Talk Followed By Regular Tool Box Talks.			
	3	Working In Close Proximity To Water	X			A Minimise As Far As Is Reasonably Practical Activities Which Involve Personnel Working In Water B All Work Near Water Should Be Carefully Planned In Advance.		X	
	4	Falls From Height	X			A Only Trained & Authorised Personnel To Erect Scaffolding And/Or Mobile Tower Access. B All Ladders To Be Tied Off & Secured To An Anchor Point C Carry Out A Site Specific Risk Assessment For All Works Conducted At Heights D Minimise The Amount Of Work Carried Out At Heights			X
	5	Falling Objects	X			A Ensure PSCS Identifies Areas For Accepting Deliveries In The Traffic Management Plan B Contractor Will Identify A Safe Area For The Acceptance Of Deliveries C A Hard Hat, As Well As High Viz Clothing And Safety Boots, Are The Minimum Amount Of PPE Required By All Personnel		X	

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						While On-Site			
	6	Burns	X			A Minimise As Far As It Reasonably Practical Activities Which May Cause Burns I.E. Working With Molten Bitumen, Cement Or Naked Flames B Adequate PPE Must Be Worn When Working At All Times (Gloves, Safety Glasses And Boots).		X	
	7	Inhalation Of Dust, Fumes & Vapour	X			A Minimise As Far As Reasonably Practical Activities Which May Cause Inhalation Of Dust, Fumes & Vapours I.E. Working With Fuel, Saw Cutting B All Operatives To Wear Suitable Respiratory Protection.			X
	8	Noise		X		A Minimise As Far As Is Reasonably Practical Activities Which May Cause Noise I.E. Cutting Operations, Compaction Operations Etc B All Operatives To Wear Suitable Ear Defenders.			X
	9	Eye Damage		X		A Minimise As Far As Is Reasonably Practical Working In Close Proximity To Cement Dust B Minimise As Far As Is Reasonably Practical Activities Which May Cause Eye Damage Ie. Cutting/Sawing Operations Etc C All Operatives To Wear Suitable Eye Protection			X
	10	Manual Handling		X		A Minimise Or Avoid If Possible – Use Mechanical Aids To Lift Heavy Items eg Kerbs, Manhole Covers			X

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						B Maximum Weight Of Load To Lift Is 25kg Per Person. All Training Must Be Provided To Operatives On Manual Handling.			
	11	Working On Culverts And Bridges /Weil's Disease	X			A Information, Training And Instruction On Weil's Disease, In The Form Of Toolbox Talks. B Personnel Working In Areas Likely To Be Contaminated (Where Rats Are Present) Will Ensure That Any Cuts, Abrasions Or Scratches Are Carefully Cleaned With Sterile Wipes Or Soap And Water, And Covered With Waterproof Dressing Or Appropriate Dressing. C Wherever Possible Protective Clothing Including Impervious Gloves Will Be Worn To Avoid Any Contact With Infectious Materials.			X
	12	Working In Close Proximity To Overhead Electrical Lines	X			A Where Reasonably Practicable The Provisions Of The ESB Code Of Practice Or Avoiding Danger From Overhead Electricity Lines Shall Apply To All Works Where An Overhead Electricity Line Presents A Hazard. B Where Overhead Lines Are Present On The Road Which Is Being Worked On, A Competent Banksman Shall Be In Attendance With The Plant Operator.		X	
	13	Underground Services	X			A Consult With Service Supplier In Relation To The Location/Type/Voltage Of Underground Services. B Before Work Commences The Area Must Be Surveyed And Assessed For Indications Of Services, I.E. Pillar Boxes Inspection Chambers, Poles, Cabinets, Street Lighting. Open			X

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						<p>C Inspection Covers To Assess Number, Type And Direction Of Service Ducts. The Position Of Services Should Be Carefully Marked To Identify Their Location To Personnel.</p> <p>D Before The Ground Is Broken, The Area Should Be Scanned With A Detector (CAT & Genny) By A Competent Person To Verify The Position Of Any Power Cables. The Position Of The Services/Cables Should Be Carefully Marked.</p> <p>D Mechanical Cutting Or Digging At Or Immediately Close To Underground Services Is Generally Not Permitted. Such Services Should Be Uncovered Or Made Visible By Controlled Digging To Minimize The Potential Of Cutting Or Puncturing The Service.</p>			
	14	Formwork		X		<p>A Only Competent Personnel Will Construct Formwork.</p> <p>B All Materials Will Be Inspected Before Starting Construction.</p> <p>C Adequate Protection For Public Must Be Provided.</p>			X
	15	Slip, Trips And Fall Hazards On The Same Level On A Construction Site.		X		<p>A All Operatives Must Wear Footwear Suitable For The Type Of Work And The Conditions Work Is Undertaken. Footwear Must Be Maintained In Good Condition. Replace As Necessary</p> <p>B A High Standard Of Housekeeping To Be Maintained At All Times, 'Everything In Its Place And A Place For Everything'. Trailing Of Leads, Cables And Hoses Across Walkways Must Be Avoided.</p>			X

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						C Toolbox Talks On Slip, Trip And Fall Hazards Provided On A Regular Basis.			
	16	Whole Body Vibration (WBV)/ Hand Arm Vibration (HAV)		X		A All Employees Provided With Tool Box Talks And Training On Vibration.			X
	17	Working With A Chainsaw/Cuts, Lacerations, Serious Injury & Death	X			A PPE Must Be Worn When Using Chainsaws. This Will Include Eye Protection (Forestry Mesh Visor), Nylon Chainsaw Trousers Or Pull-Ups, Ear Defenders And Safety Shoes/Boots. Gloves Will Be Worn Where There Is Significant Exposure To Vibration For Long Periods. B Only Trained And Experienced Personnel Will Be Allowed To Use Chainsaws. They Will Be Competent In Maintenance Of The Cutting Surfaces. C Workers Will Swap To Tasks Without Exposure To Vibration For Periods To Reduce Exposure To Vibration. D The Work Area Will Be Kept Clear Of People And Other Workers. E A Safe And Secure Footing Must Be Maintained.			X
	18	Working With A Strimmer/ Cuts, Macerations And Amputation	X			A All Equipment Must Be Visually Inspected Before Each Use And Maintained At Regular Intervals (As Outlined In Manufacturer’s Recommendations), This Will Ensure Noise & Vibration Levels Are Kept To A Minimum. Damaged/Defective Equipment Must Be Taken Out Of Service And Labelled “DO			X

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						<p>NOT USE" Until Repaired.</p> <p>B Never Place Hands In Vicinity Of Cutting Cords Or Moving Parts, Switch Off Power And Isolate Machine (Remove Spark Plug Connection) Before Attempting To Unblock Cutting Blades.</p> <p>C Always wear correct PPE including eye protection, face shields, hearing protection, safety footwear and hard hat.</p> <p>D Always check grassed area to be cut before work commences and remove any objects that may block or entangle in the cutting blades or may become airborne during cutting, i.e. wires, cables, litter, drink cans or bottles, etc.</p>			