

RISK ASSESSMENT WATRA S28

Canal Lining Connection between Phase 1 and the Narrows

Wendover Canal	Investigation and repair of joints at Bridge 4.	<i>All work to be carried out with accordance with the HSE Guidance Note HSG150.</i>
Work Location: Canal bed at the Narrows	Operation: Connection of the canal lining between Phase 1 and the Narrows	RA Sheet No: 1 of 6 Date Task Starts: TBA

Likelihood (L):

1	EU	Extremely Unlikely
2	U	Unlikely
3	L	Likely
4	VL	Very Likely
5	AC	Almost Certain

Severity (S):

1	NM	Near Miss
2	Min	Minor injury, no time loss
3	>3d	Time off work more than 3 days
4	Maj	Major Injury
5	F	Fatal

Risk value = LxS
Risk Level High / Medium / Low

AC	5	10	15	20	25
VL	4	8	12	16	20
L	3	6	9	12	15
UL	2	4	6	8	10
EU	1	2	3	4	5
	NM	Min	>3D	Maj	F

No.	TASK	HAZARD	WHO IS EXPOSED AND HOW	RISK LEVEL				CONTROL MEASURES	NEW RISK LEVEL				FURTHER ACTION
				L	S	R V	RL		L	S	R V	RL	
1	General activities	Traffic	Volunteers, visitors, public. Impact injury from moving vehicles.	4	5	20	H	Ensure there is adequate space off road for people. Do not stand or work in road without traffic control. Wear Hi-viz clothing. Ensure members of the public do not enter the site.	1	5	5	M	



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				L	S	R V	RL		L	S	R V	RL	
2		Weather	Volunteers, visitors. Effects of heat & cold, precipitation.	4	1	4	M	Wear appropriate clothing to suit weather conditions. Take drinks and food as appropriate. In hot sunny weather wear long clothing and apply sunscreen as appropriate. Take plenty of drinks to keep hydrated. Establish a shelter for people.	1	1	1	L	Monitor weather conditions during the work day.
3		Uneven ground	Volunteers, visitors, public. Slips, trips and falls.	4	2	8	M	Avoid vegetation and puddles that may hide changes in ground conditions. Wear appropriate footwear. Establish pedestrian routes. Ensure public routes are not disturbed.	1	2	2	L	
4		Public	Volunteers. Aggressive behaviour	2	4	8	M	Do not congregate on public routes. Do not store materials or equipment on public routes. When dealing with aggression from members of the public, avoid confrontation.	1	4	4	M	
5		Public	Public. Injury from activities of volunteers.	3	3	9	M	Place warning signs advising of work. Use banksman to stop work/public when necessary. Keep footway clear of materials and equipment.	1	3	3	L	Supervise activities to avoid conflict.
6		Heavy loads	Volunteers. Musculoskeletal injury	3	3	9	M	Do not lift items beyond your capacity. Use correct manual handling techniques. Use multi-person lift where necessary. Train volunteers in correct manual handling techniques.	1	3	3	L	Supervise volunteers



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				L	S	R V	RL		L	S	R V	RL	
								Use trolleys and barrows to move tools and equipment.					
7	Installing stop planks	Stop planks	Volunteers. Musculoskeletal injury	3	3	9	M	Use excavator to lift planks. Use guide ropes when placing planks.	1	3	3	L	
8		Timber	Volunteers. Cuts, abrasions, splinters, entrapment.	3	3	9	M	Avoid running hands along timber. Keep hands away from timber as it is being slotted into the stop plank channel. Use bars to direct timber into stop plank channel. Wear gloves	1	3	3	L	
9		Timber	Volunteers. Impact injury	3	5	15	H	Use slinger to attach stop plank to excavator. Use suitable lifting equipment. Ensure the lifting equipment carries an up-to-date test tag. Use guide ropes to move stop planks. Do not lift over volunteers.	1	5	5	M	Supervise the lifting operation.
10	Access to canal bed	Fall	Volunteers. Impact injury from falling.	3	4	12	H	Establish point of enter. Set up access ladder and secure ladder in place. Provide edge protection other than access point.	1	4	4	M	
11		Deep mud	Volunteers. Slips trips and falls.	3	3	9	M	Probe mud before entry to identify any obstructions or voids. Check depth of mud before entry. Wear appropriate footwear.	1	3	3	L	Monitor work area for obstructions.
12		Water	Volunteers. Leptospirosis.	3	5	15	H	Avoid contact with standing water. Wash hands before eating, drinking or smoking. Provide instruction and warning cards to volunteers.	1	5	5	M	If any volunteers suffers flu like symptoms advise them to see their GP and let the GP know of work conditions.
13	Uncovering the bed joint	Mud	Volunteers. Musculoskeletal injury.	3	3	9	M	Use the right tool for the job. Do not lift beyond your capability. If load is too heavy seek	1	3	3	L	



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				L	S	R V	RL		L	S	R V	RL	
							H	assistance. Take regular breaks to avoid fatigue.				L	
14		Water ingress	Volunteers. Water inundation.	4	3	12	H	Use hand tools to expose the bed joint and Bentomat tail. Use the right tool for the job. Ensure a site pump is on standby and is ready for use. Ensure there is adequate secure access. If water enters the excavation, move to safety and start pumping.	1	3	3	L	Monitor any water ingress and supervise the work at all times.
15		Damage to canal lining	Bentomat. Puncture damage	3	3	9	M	Use hand tools to excavate the soil to expose the Bentomat. Do not use sharp tools likely to puncture the Bentomat. Inspect the Bentomat for damage once exposed.	1	3	3	L	
16	Cleaning joints	Hand tools	Volunteers. Cuts and abrasions.	3	3	9	M	Use the right tool for the job. Keep hands and fingers away from sharp edges. Wear gloves.	1	3	3	L	Supervise volunteers when using tools.
17		Hand tools	Volunteers. Musculoskeletal injury.	3	3	9	M	Use the right tool for the job. Take regular breaks to avoid fatigue. Share task to avoid repetitive injury.	1	3	3	L	Supervise work to ensure breaks are taken.
18	Sealing joints	Sealant	Volunteers. Musculoskeletal injury.	3	3	9	M	Instruct volunteers in the use of the sealant gun. Take regular breaks to avoid fatigue. Share task to avoid repetitive injury.	1	3	3	L	
19		Sealant and primer	Volunteers. Skin and eye irritation.	3	3	9	M	Avoid contact with eyes and skin. Follow COSHH assessments. Wear gloves and eye protection.	1	3	3	L	Have eye wash available



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20	Breaking out concrete	Breaker and hand tools.	Volunteers. Musculoskeletal injury	3	3	9	M	Select the breaker suitable for the work. Only lift the breaker if it is within volunteer capability. Select the right tool for the job. Take regular breaks to avoid fatigue.	1	3	3	L	Supervise manual handling.
21		Breaker	Volunteers. Vibration injury.	3	3	9	M	Select low vibration equipment. Limit time spent using breaker. Wear gloves to keep hands warm.	1	3	3	L	
22		Hand tools	Volunteers. Cuts, grazes abrasions, impact injury.	3	3	9	M	Use the right tool for the job. Keep hands and fingers away from cutting edge. Hold the tool in the correct position. Wear suitable gloves.	1	3	3	L	
23	Mixing concrete/mortar.	Sand/ballast, cement.	Volunteers. Musculoskeletal injury.	3	3	9	M	When loading mixer avoid overloading shovels/gauging buckets. Place materials close to mixer. Avoid twisting with loaded shovel/gauging bucket.	1	3	3	L	
24		Cement dust.	Volunteers. Respiratory/eye injury.	3	3	9	M	Move cement in a controlled manner. Use gauging buckets. Follow the COSHH assessment. Wear a dust mask.	1	3	3	L	
25		Wet concrete/mortar	Volunteers. Skin/eye irritation.	3	3	9	M	Avoid skin contact with wet concrete/mortar. Wash and splashes immediately. Follow the COSHH assessment. Wear long clothing, gloves and eye protection.	1	3	3	L	
26	Placing concrete	Wet concrete	Volunteers. Musculoskeletal injury	3	3	9	M	Only lift within your capability. Avoid twisting when carrying a load. Take regular breaks to avoid fatigue.	1	3	3	L	



WENDOVER CANAL TRUST

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				L	S	R V	RL		L	S	R V	RL	
27		Wet concrete/mortar	Volunteers. Skin/eye irritation.	3	3	9	M	Avoid skin contact with wet concrete/mortar. Wash and splashes immediately. Follow the COSHH assessment. Wear long clothing, gloves and eye protection.	1	3	3	L	

CAN THE JOB PROCEED? <i>(Tick one box)</i>	<input type="checkbox"/>	Safe using existing control measures	
	<input checked="" type="checkbox"/>	Safe using existing + additional control measures	
	<input type="checkbox"/>	Not safe to proceed	
ARE THERE ANY LONG-TERM CONTROLS?	Carry out a dynamic Risk Assessment when you arrive on site and adapt the Risk Assessment to suit any changes that may have occurred, particularly weather conditions.		
ASSESSED BY:	Name: M Bradley	Name (signed) M Bradley	Date: 22 nd April 2024
AUTHORISED BY:	Name (Printed) Mike Wright Health & Safety Coordinator	Name (Signed)	Date: