



RISK ASSESSMENT WCTRA S25 Construction of Wall and Railing at Wharf Road

Wendover Canal	Canal compound at Wharf Road, Wendover.		<i>All work to be carried out with accordance with the HSE Guidance Note HSG150.</i>
Work Location: Boundary	Operation: wall and railing construction	RA Sheet No: 1 of 7	Date Task Starts: 12 th January 2024

Likelihood (L):

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

Severity (S):

1	FAC	First Aid Required
2	Min	Minor injury, near miss
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
	FAC	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	Travelling to site	Motor vehicles	Volunteers. Breakdown, collision with other vehicles	2	3	6	M	Properly maintained vehicle. Carry out vehicle checks before driving. Arrange breakdown cover insurance	1	3	3	L	
2		Weather	Volunteers. Vehicle collision, loss of control	3	5	15	H	Check weather conditions before travelling. Clear screens to ensure good visibility. Check traffic reports on the radio.	1	5	5	M	Monitor weather conditions, road conditions and adjust driving to suit. Monitor traffic reports.



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				L	S	R V	RL		L	S	R V	RL	
							H	Ensure lights are in full working order in case of poor visibility				M	
3		Poor light	Volunteers. Vehicle collision, loss of control.	2	5	10	H	Check vehicle before driving make sure lights are working and properly adjusted. Carry spare bulbs. Adjust driving to suit light conditions. Plan the journey to travel in daylight.	1	5	5	M	Monitor light conditions.
4	Arrival on site	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 are not diverted onto a road.	1	5	5	M	
5		Weather	Volunteers, visitors. Effects of cold, precipitation.	4	1	4	M	Wear appropriate clothing to suit weather conditions. Take drinks and food as appropriate. Establish a shelter for people.	1	1	1	L	Monitor weather conditions during the work day
6		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	
7		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	



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				L	S	R V	RL		L	S	R V	RL	
8		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.
9	Removing Existing steel mesh fencing and installing new railings.	Mesh fencing and railings	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 during fence removal and erection.
10		Mesh fencing and railings	Volunteers, public. Impact injury from falling fence panels.	3	3	9	M	Do not leave fence unattended until fully secured. Check footway for members of the public before moving fence panels. Tie-back fence into compound area.	1	3	3	L	Monitor fence during working day. Check for wind speed and direction.
11		Mesh fencing, railings and hand tools.	Volunteers. Entrapment injury.	3	3	9	M	Keep hands away from feet of fence when removing. Keep fingers away for the inside of clips when securing them. Wear suitable gloves.	1	3	3	L	
13		Cordless drill	Volunteers. Vibration related injury	3	3	9	M	Use properly maintained and low vibration equipment. Ensure drill bit is sharp. Limit trigger time. Use job rotation to reduce trigger time. Take breaks.	1	3	3	L	
14	Building the wall and installing railings	Hand tools	Volunteers. Cuts, grazes, abrasions.	3	3	9	M	Use the right tool for the job. Train volunteers in the use of tools. Ensure tools are properly maintained. Wear gloves.	1	3	3	L	



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				L	S	R	RL		L	S	R	RL	
15		Hand tools	Volunteers. Musculoskeletal injury.	3	3	9	M	Use correct brick laying techniques. Use correct manual handling techniques. Train volunteers in manual handling. Take regular breaks to avoid fatigue.	1	3	3	L	Supervise volunteers.
16		Concrete/cement mortar	Volunteers. Skin and eye irritation.	3	3	9	M	Avoid contact with wet mortar on skin. Wash any splashes off skin with water. Follow the COSHH assessment. Wear suitable gloves and eye protection.	1	3	3	L	Provide COSHH assessment
17		Flying debris when cutting bricks	Volunteers. Impact injury, debris in eye	3	3	9	M	Use hand tools to cut bricks. Cut bricks in a designated area. Wear eye protection and appropriate gloves.	1	3	3	L	
18	Setting up the mixer	Mixer	Volunteers. Manual handling injury.	3	2	6	M	Only use volunteers capable of lifting the load. Avoid stretching and twisting when positioning the mixer. Place the mixer close to the materials.	1	2	2	L	
19		Mixer	Volunteers. Entrapment, impact injury	3	2	6	M	Set the mixer up on a level surface. Keep hands and fingers away from where they can be trapped.	1	2	2	L	
20	Mixing mortar and concrete	Concrete/cement mortar.	Volunteers. Skin and eye irritation	4	3	12	H	Train volunteers how to mix materials. Provide COSHH assessment Wear eye protection, long sleeves and gloves. Do not stand in front of mixer drum when splashes are likely. Avoid contact with cement	1	3	3	L	
21		Cement and sand dust	Volunteers, public.	4	4	16	H	Site mixer in designated area away from other activities and public.	1	4	4	M	Monitor wind conditions



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				L	S	R V	RL		L	S	R V	RL	
			Respiratory problems				H	Provide screens in windy conditions. Place materials in mixer drum in a controlled manner. Wear dust masks Provide training in use of dust masks				M	
22		Wash water	Environment. Pollution	4	2	8	M	Collect wash water from mixer. Allow solids to settle before disposing of water	1	2	2	L	
23		Cement / sand. Emptying full mixer	Volunteers. Manual handling injury	3	3	9	M	Place materials close to mixer to reduce travel distance. Avoid excessive twisting and lifting. Take regular breaks to avoid fatigue. Training in correct use of mixer and control during emptying.	1	3	3	L	Monitor volunteers for signs of fatigue.
24		Mixer / spade	Volunteers. Impact and entrapment from spade catching inside the mixer drum	3	2	6	M	Training in correct use of mixer. Do not allow the spade to enter the mixer drum during operation.	1	2	2	L	
25	Working near and over water	Water	Volunteers. Weil's Disease	3	5	15	H	Awareness of Weil's Disease and carry warning card. Avoid contact with standing water. Cover cuts and open wounds. Avoid touching mouth, nose or eyes. Wash hands before eating, drinking or smoking.	1	5	5	M	
26		Falls	Volunteers. Fall into the canal, impact injury	3	5	15	H	When working over water work outside the compound area. Work from a sound base, i.e. the pavement. Work away from the water edge.	1	5	5	M	Supervise the work. Protect the edge outside working hours.



WENDOVER CANAL TRUST

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				L	S	R	RL		L	S	R	RL	
							M	Ensure the water edge is visible. Face to edge while working. No lone working.				L	
27	Refuelling the mixer	Petrol.	Volunteers. Skin irritation.	3	3	9	M	Refuel in a designated area. Use funnels when refuelling. Have spill kit available. Avoid contact with skin and eyes. Wear gloves and protective glasses.	1	3	3	L	
28		Petrol	Volunteers, environment. Burns/fire.	3	3	9	M	Allow the engine to cool before refuelling. Refuel in a designated area. Use funnels when refuelling to avoid spillage.	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: 27 th December 2023
AUTHORISED BY:	Name (Printed) Mike Wright Health & Safety Coordinator	Name (Signed)	Date: