

<b>Location/Site:</b> Tribeca, London, Camley Street & Granary Street	<b>RAMS NO:</b> BB1695 – RA01	
<b>Assessed by:</b> Chris Walne	<b>Assessment Date:</b> 11/09/2024	<b>Assessment Review Period:</b> After significant changes to the work activity*/ as dated*:
<b>Brief description of Activity:</b> Installation of New Pedestrian Footbridge – Civils & Installation		

Likelihood (L)		Severity (S)		Risk Level (R)		Evaluation Matrix						
1	Extremely Unlikely	1	Minor Injury (First Aid)	Low		Severity	5	M	M	H	H	H
2	Unlikely	2	Moderate Injury (Lost Time)	Medium			4	L	M	H	H	H
3	Likely	3	Serious Injury (RIDDOR Reportable)	High			3	L	M	M	H	H
4	Extremely Likely	4	Major Injury (RIDDOR Reportable)				2	L	L	M	M	H
5	Almost Certain	5	Catastrophic Injuries (Fatality)				1	L	L	L	M	M
							1	2	3	4	5	
							Likelihood					

Activity Ref	Individual activity description	Groups at Risk	Hazards Identified	Risks before controls			Existing and additional risk control measures	Risk remaining after controls		
				L	S	R		L	S	R
1.0	Vehicle & plant movement	All employees, subcontractors, public and visitors.	Contact with moving vehicles leading to potential fractures, crush injuries, fatalities due to persons being struck by moving vehicles / collision with structures / overturning of vehicles.	3	4	12	<p>All plant and vehicles to be used correctly and to manufacturer's instructions; All statutory checks to be conducted and recorded; all thorough examination certificates to be available for inspection.</p> <p>Before starting work ensure exclusion zones are established with sufficient barriers and signage in place to prevent access by the public and unauthorised personnel.</p> <p><b>Vehicle and pedestrian routes to be agreed and explained at pre-start briefing.</b></p> <p>Ground and weather conditions to be monitored and work should only proceed if agreed by site manager</p> <p>All plant &amp; vehicle operators to be trained &amp; competent and hold appropriate and valid certification. Vehicles will not reverse without the assistance of a banksman; Vehicles will not join a highway, where lines of sight are compromised, without the assistance of a</p>	1	4	5

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						16	<p>banksman; Vehicles to operate flashing amber hazard beacons</p> <p>Operatives working alongside plant &amp; vehicles will not position themselves any closer than necessary to the machinery and will ensure they can be seen by the operator.</p> <p>A traffic management plan and construction site management plan are to be produced to ensure an adequate, safe system of work is in place, and engagement with local authority and local stakeholders will take place to ensure all parties are on board with intended mitigations.</p>			
2.0	Manual Handling	All employees, subcontractors, public and visitors.	Personal injury (musculoskeletal injuries etc.)	4	4	16	<p>All operatives to observe and practice manual handling techniques. Ensure all manual handling is carried out within the capabilities of the individual. If required seek assistance and where possible kinetic method for lifting.</p> <p>Ensure an even floor and sufficient rest/recovery time. Maintain a good posture; if the task is repetitive then more operatives may be required to ensure rest periods are taken.</p> <p>Appropriate gloves are to be issued for the load to be lifted during the manual handling operations. Hand protection to be worn. Cover all sharp edges where possible.</p> <p>Avoid twisting, stooping, reaching, and carrying loads long distances.</p> <p>Use mechanical means if possible. If this is not practicable, and the load is within the accepted weight ranges as set out in the HSE guidelines, lift the load with your back straight and your knees bent looking straight ahead,</p>	1	4	4

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				L	S	R		L	S	R
							taking the strain on your legs. If the load is too heavy or awkward seek assistance- DO NOT attempt to lift it on your own.			
3.0	Slips, Trips & Falls	All employees, subcontractors, public and visitors.	Cuts, abrasions, contusions, strains, fractures from tripping / falling	3	5	15	<p>Wear PPE as directed above.</p> <p>Conduct visual check of the work area to identify features that may present a slip or trip hazard; make others aware.</p> <p>Ensure there is an agreed area or container for temporary storage of waste</p> <p>Ensure all building materials and components are stored in the designated lay-down area until needed</p> <p>Ensure waste materials are removed from work area frequently</p> <p>Monitor the positions of power cable, hoses, ropes etc. and ensure they are kept away from thoroughfares</p>	1	5	5
4.0	Working at Height	All employees, subcontractors, public and visitors.	Injury; fractures, contusions, or fatality from falling	3	5	15	<p>Where there is a risk of a fall from height, ensure sufficient edge protection is provided.</p> <p>Where edge protection is not practicable, operatives should wear safety harness with lanyard, secured to a suitable fixed or mobile anchor point.</p> <p>Operatives involved in loading / unloading operations to be trained and competent</p> <p>Conduct visual check to assess condition of trailer bed and any foot / hand holds and to identify spillages or debris</p>	1	5	5

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							Any ladders used to access vehicles to be footed at all times and used for short duration tasks only.			
5.0	Use of Hazardous Substances / Environmental Risk	All employees, subcontractors, public and visitors.	<p>Injury or chronic ill-health through contact with skin (dermatitis), contact with eyes, inhalation, ingestion of substances used while carrying out the work</p> <p>Damage to the environment through spillages of fluids or other substances in powder form.</p> <p>Contamination of the ground &amp; watercourses by discarded substances and waste materials</p>	4	4	16	<p>Read the Material Safety Data Sheet (MSDS) provided for the substances used.</p> <p>Gloves &amp; eye protection to be worn when refuelling machinery</p> <p>Gloves, eye protection and FFP3 mask to be worn when mixing cements, mortars, or grouts</p> <p>Keep all substances away from foodstuffs. Do not eat, drink, or smoke while working. Wash hands thoroughly before breaks and at the end of each shift.</p> <p>Refuelling of machinery to be carried out in well ventilated areas and at least 20m from any water course</p> <p>Drip trays / plant nappies to be positioned beneath machinery when not in use</p> <p>Ground will be protected using an appropriate sheet material in work areas where any mixing of cements or mortars will be carried out</p>	1	4	4

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						16	<p>Spill kits will be made ready in the area where work is being carried out; operatives to be briefed on their use</p> <p>An area is to be designated for the setting down of waste materials during the works and suitable temporary containers and ground protection to be used. Work areas to be cleared of waste materials frequently</p> <p>Carry out a thorough check of the area when work is complete and ensure all waste is collected and removed from site</p>			4
6.0	<b>Vibration</b>	All employees, subcontractors, public and visitors.	<p>Development of hand arm vibration syndrome (HAVS) through exposure to vibration of handheld power tools</p> <p>Activities to be assessed against these outputs and exposures measured using HSE HAVS Calculator</p>	4	4	16	<p>Always wear gloves</p> <p>Ensure equipment is clean, dry and in good condition</p> <p>Conduct a visual inspection before use</p> <p>Operatives to ensure that they remain warm and dry</p> <p>Operatives to ensure that they are using the correct tool for the job and to manufacturer's instructions</p> <p>Share the task to reduce individual exposure</p>	1	4	4

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7.0	<b>Noise</b>	All employees, subcontractors, public and visitors.	<p>Temporary or permanent damage to or loss of hearing through prolonged or acute exposure to high levels of noise</p> <p>Activities / Noise levels to be assessed against these outputs and exposures measured using HSE Exposure Calculator</p> <p>Note: Other noise sources may be present on site, and these should be taken into consideration and assessed at pre-start stage</p>	4	4	16	<p>Ear defenders to be worn when operating power tools</p> <p>Limit number of fixing operations by preparing / pre-fabricating off-site</p> <p>All operators, visitors, and other contactors to wear appropriate hearing protection when these operations are taking place</p> <p>All visitors to be supervised and given instruction with regard to noise and hearing protection if present when these operations are being carried out.</p> <p>All plant and equipment is to be monitored to ensure the noise does not exceed the limits using a noise monitoring device.</p>	1	4	4
8.0	Work Equipment	All employees, subcontractors, public and visitors.	Injury to operatives while using work equipment	4	4	16	<p>All operatives to be competent in the use of their work equipment</p> <p>Visual checks to be conducted on all equipment before use to check for damage and deterioration in any of the components and assess its suitability. Any defects should be brought to the attention of the supervisor and a replacement provided.</p> <p>Operatives to ensure that they are using the correct tool for the job and operating in line with manufacturer's instructions.</p>	1	4	4

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							Tools and equipment to be PAT evaluated where appropriate			
9.0	Lifting Operations	All employees, subcontractors, public and visitors.	<p>Damage to property or injury to personnel by crane /excavator operation</p> <p>Overturning of excavator</p> <p>Mechanical breakdown or structural damage</p> <p>Personnel falling from delivery vehicles during slinging of loads</p> <p>Injury to personnel or damage to property from falling objects</p> <p>Risk from suspended loads</p>	4	5	20	<p>Ensure a sufficient lifting plan is in place. *</p> <p>Ensure exclusion zones are enforced</p> <p>All machine operators to be trained, competent and certified</p> <p>Lift supervisor to check and monitor ground conditions and stop work if necessary</p> <p>All lifting operations to be conducted under direction of the lift supervisor.</p> <p>All plant to be fully maintained with full service and testing history and all examination certificate available</p> <p>Manufacturer's instructions to be always followed</p> <p>No operatives to enter the area below a suspended load</p>	1	5	5

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				L	S	R		L	S	R
						20	If ladders are required to be used during slinging operations, these should be always footed and used for short duration tasks only.			
10.0	Excavations	All employees, subcontractors, public and visitors.	Injury or damage to property from contact with buried services; Injury to personnel from tripping or falling in or near an excavation	4	5	20	<p>Consult statutory services drawings and conduct CAT &amp; Genny scan prior to works</p> <p>If you suspect that you may have uncovered services do not continue to use heavy machinery and inform the site supervisor</p> <p>Dig around services with hand tools if necessary. If you think you may have damaged services while digging, stop work, clear the immediate area of all personnel, and contact the relevant utilities provider</p> <p>When practicable, excavations should always have edge protection</p> <p>Excavations should not be left unattended without edge protection and warning signs</p> <p>Excavations should not be left overnight without edge protection and warning signs</p> <p>A temporary works design will be produced to ensure existing structures are protected during</p>	1	5	5



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							the excavation works. Noise and vibration monitoring may be required.			
12.0	Adverse weather	All employees, subcontractors, public and visitors.	Hypothermia/Pneumonia from working in adverse weather	4	4	16	<p>Site manager is to monitor the weather reports closely</p> <p>A daily briefing is to be given daily prior to any works commencing and an assessment of the conditions shall be made then, operatives to be given the days adverse weather plan at this point</p> <p>Increased duration/frequency of breaktimes may be required to enable operatives and PPE to dry out sufficiently</p> <p>Site manager (BB) to monitor weather in real time throughout the shift and make a judgment call alongside main contractor site manager as to whether works should cease.</p>	1	4	4
13.0	Working Near Water	All employees, subcontractors, and visitors.	Risk of drowning hypothermia by immersion, ill-effects of waterborne disease and bacteria	4	5	20	<p>This will be a well supervised operation and the main and obvious hazards associated with working near water; drowning, hypothermia is less prevalent. However, in extreme weather, rivers and watercourses can quickly become engorged and fast flowing and in this event, work may be stopped.</p> <p>Life buoyed to be situated on both sides of the water in close proximity to the working area.</p> <p>Any operative working over or near water, with an unprotected edge, must wear safety harness with lanyard secured to a suitable fixed or mobile anchor point; operatives will</p>	1	5	5

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							<p>wear lifejacket when working above or near water</p> <ul style="list-style-type: none"> <li>If an operative has entered the water, and is in difficulty, lines with lifebuoys attached will be thrown from the bank and the operative pulled back to the bank by others in the rescue team.</li> <li>If the casualty is unconscious, and it is considered safe to do so, member of the rescue team will enter the water attached to a lifeline and retrieve the casualty with assistance from other team members on the bank</li> <li>All operatives will be briefed on the action to take should someone accidentally enter the water</li> <li>All fall arrest and rescue equipment to hold current and valid examination certificate where appropriate. Water levels and weather conditions are to be monitored by site manager</li> </ul> <p>Lone working is prohibited near water.</p> <p>Water levels and weather conditions are to be monitored by site manager.</p> <p>Weils Disease, waterborne diseases &amp; bacteria</p> <p>Foodstuffs should be kept away from the water. Do not eat, drink, or smoke while working. Hands should be washed thoroughly before breaks and at the end of each shift. If you feel unwell after working near water, seek medical advice and inform your manager.</p>			