

Project Name: Dolgarrog Bridge

Corresponding Documentation:

[illegible]

Task Statement



1. Task: Removal of existing timber decking from Dolgarrog Bridge.



3. Labour/Plant to be Used:

Labour

- LCE CSCS trained operatives
-

Plant and Welfare to be Used:

- Transit van and small tools
- Cordless angle grinder
- Various Hand tools
- Certified lifting equipment
- Bogey trailer
- Heras fencing and pedestrian barriers
- Site signage

Task Statement



4. Personal Protective Equipment:																									
• Safety helmets, • high vis jackets, • Safety boots, • Gloves, (Cut 5) • Safety glasses • Face Covering All other items of PPE as required by risk assessments.																									
5. Significant Hazards Identified:	RA Index No.																								
<i>Public affected by LCE WORKS</i>	<i>LCE/RA/003</i>																								
<i>Slips and Trips and Falls</i>	<i>LCE/RA/002</i>																								
<i>Working on or close to high pressure water mains</i>	<i>LCE/RA/052</i>																								
Manual Handling	<i>LCE/RA/008</i>																								
HAVs	<i>LCE/RA/016</i>																								
Use of Abrasive wheels	<i>LCE/RA/018</i>																								
6. Required Permits to Work: Click boxes where relevant.																									
<table border="1"> <tr> <td>Permit to Excavate</td> <td>☐</td> <td>Clients Permit</td> <td>☐</td> </tr> <tr> <td>Excavation Check sheet</td> <td>☐</td> <td>COI</td> <td>☐</td> </tr> <tr> <td>Confined Space</td> <td>☐</td> <td>Lift Plans</td> <td>☐</td> </tr> <tr> <td>Hot Work</td> <td>☐</td> <td>Pressure Testing</td> <td>☐</td> </tr> <tr> <td>Permit to Load</td> <td>☐</td> <td>Other</td> <td>☐</td> </tr> <tr> <td></td> <td></td> <td>State below</td> <td></td> </tr> </table>	Permit to Excavate	☐	Clients Permit	☐	Excavation Check sheet	☐	COI	☐	Confined Space	☐	Lift Plans	☐	Hot Work	☐	Pressure Testing	☐	Permit to Load	☐	Other	☐			State below		
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Special measures during the Covid-19 pandemic: • Please to refer to LCE S.O.P (Standard Operating Procedures), paying particular regard to Covid-19 controls when working on site. These include, social distancing measures, personal hygiene and control at breaks i.e. staggering times and using your own crockery Working in a Pandemic : • BEFORE coming to work you must self-assess to ensure you feel as fit and as far as is reasonably practicable to ensure you are not showing any signs or symptoms of the virus (persistent, cough, sore throat, high temperature, breathless, lose of taste or smell etc). If in any doubt then STAY AT HOME!! • No more than 2 people allowed in a works van at as afr apart as possible and when shared, face covering must be worn. Keep windows slightly open to allow fresh air to circulate. • On arrival at work and throughout the working day you must wash your hands thoroughly and frequently using soap and hot water for at least 20 seconds, this is of particular importance after blowing your nose, sneezing or coughing. Where facilities																									

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to wash hands are not readily available, then bacterial hand wipes hand sanitiser must be used. minimise contact and avoid skin-to-skin and face-to-face contact.

- You should always try and keep 2m apart as much as possible during the work activity. If this isn't possible then must wear a face covering. If you have to break the 2m rule then make sure it's for limited periods of time. Where face-to-face contact is required, this should be kept to an absolute minimum (15 minutes) or less wherever possible and again, face coverings must be worn.
- As far as reasonable and practicable PPE must be clean and free of contamination
- **Where harmful respirable dusts are being created by site operations then as a minimum FFP3 RPE must be worn and not face coverings.**
- Always plan to keep the number of personnel to an absolute minimum possible when working within 2m of others
- As soon as an activity can be carried out by a single person, then others must move away and maintain 2m distance between them
- All contaminated PPE must be disposed of after the activity is completed in the bags provided.
- Some PPE will be in short supply, so efforts must be to maintain and to look after is as it may need to be re-used.
- Once the work has been completed make sure you thoroughly wash with soap and hot water for a minimum of 20 seconds.
-

Work should be planned to try as much as possible to maintain 2m social distancing and to minimise contacts.

7. Description of Work:

Inductions, training, and procedural compliance:

All site personnel taking part in the scheme will have received a Site-Specific Induction". Records of the inductions will be kept on site. All operatives will require a DCWW site induction for the water works.

All training records to be made available and checked for compliance before the work begins. All training records will be kept within the site files for inspection

All site operatives will be familiarised with the site and made aware of any hazards. The Lewis Site Manager must be in possession of the approved risk RAMS for the works. Prior to authorising the commencement of work and the issuing of any Permits. All site operatives must be briefed as to the requirements of the risk assessments and task and any permits to work. The Site Manager is responsible for the satisfactory completion of the works.

The Site Manager / Ganger shall ensure that the works proceeds according to the approved risk assessments and task.

A Daily Site Safety Briefing will be given to all site personnel prior to works commencing specific to the task.

HAVS Monitoring is by individual, personal booklet by each operative. This booklet is then used to fill in the HAVS record sheet and then handed in to the SHEQ advisor in Lewis Civil Engineering Head office.

Task Statement



This task statement has been written to detail the activities involving the removal of the existing timber boards from Dolgarrog Bridge.

Sequence of works

Prior to the works being carried out to remove the original timber decking from Dolgarrog Bridge RS Scaffold will install a Scaffold crash Deck along the entire length and width of the bridge, this will provide a safe and secure platform for the operatives to work from, in addition this will also provide the primary means of pollution prevention as any debris falling caused by the removal of the timber decking will be captured by the scaffold crash dek and can then be collected and removed from site.

All working areas will always be segregated from pedestrians This will be by means of erecting signing and guarding in the form of block foot type metal pedestrian barriers and heras fencing. Clear warning signs will be attached to the barriers to warn people of the inherent dangers within or work area.

Any lifting straps chains and shackles will have current test certificates and will be selected in accordance with the required SWL. LCE's current lifting colour is **RED** A nominated person will bank the machine during the lifting operations and whenever a movement is required. Any lifting activities will be covered by a lift plan which will clearly stipulate the maximum load to be lifted and the maximum radius of the lift.

The individual boards are approximately 5 Mtrs long by 300mm wide and 40mm thick these are retained on the steel transoms by two stainless steel bands as per illustration below.



Task Statement



Once the Scaffold access has been installed and checked by RS Scaffold the first boards will be removed working from the Western side of the Bridge, each band will be cut using either tin snips or a 4" cordless angle grinder, once the bands at either end of the decking board has been cut the individual length of timber decking will be lifted out by two operatives and stored away from the Bridge.

N.b Refer to your HAV's folder for exposure time. It is our company policy not to expose anyone to more than 100pts per day. HAVs exposure to be recorded daily and submitted weekly to site manager. Ensure all tools have been inspected and tested.

Once two boards have been removed the operatives will have the necessary space to be able to stand directly on the scaffold crash deck beneath the existing timber decking, this is required to avoid any accidents or injuries caused by the operatives standing on the existing condemned timber decking.

As the work progresses a bogey will be used to transport the decking along the scaffold crash deck to avoid excessive manual handling, indicative illustration below.



This operation will be repeated until all of the boards have been removed and stockpiled ready for removal from site to a licensed tip.

IF AT ANY TIME DURING THE TRIAL HOLE THE INTEGRITY OF ANY OF THE MAINS IS COMPROMISED THEN ALL WORKS WILL STOP.

DCWW MUST THEN CLARIFY A SAFE METHOD OF WHICH THE MAINS CAN BE RE WORKED ON

REMEMBER That CHANGE MEANS STOP!!

9. Environmental Issues: • CEMP to be briefed to the workforce in advance of any works being carried out. • Check the Site Environmental Plan for any restrictions prior to works commencing. • Ensure scaffold crash deck is installed correctly as to avoid any items of plant or material being able to fall into the river throughout the works.	
10. Any other information:	

[illegible]

(C) CONSEQUENCE

1. Negligible/No effect
2. First Aid Injury (NLT)
3. Lost Time Injury (LT)
4. RIDDOR injury
5. Fatalities

(L) LIKELIHOOD

1. Negligible
2. Unlikely
3. Likely
4. Very Likely
5. Inevitable

(RR)

- 1 – 5
- 6 – 10
- 12 – 25

RISK RATING

- | |
|--------|
| Low |
| Medium |
| High |

C – Consequence, L - Likelihood, RR – Residual Risk

RISK ASSESSMENT MATRIX

		Consequence (C)				
		No Effect 1	Minor Injury (First Aid) 2	Serious Injury 3	Lost Time / Riddor Injury 4	Fatalities 5
Likelihood (L)	Remote (Very Rare) 1	Low 1	Low 2	Low 3	Low 4	Low 5
	Unlikely 2	Low 2	Low 4	Medium 6	Medium 8	Medium 10
	Possible (Could Occur) 3	Low 3	Medium 6	Medium 9	High 12	High 15
	Very Likely 4	Low 4	Medium 8	High 12	High 16	High 20
	Inevitable 5	Low 5	Medium 10	High 15	High 20	High 25
Low 1-5		Risks are considered low enough for work to start with no additional controls required. Always seek to improve existing controls if reasonably practicable. Monitoring is required to ensure controls remain effective				
Medium 6-10		Risks should be reduced where reasonably practicable before work starts. Risks where works are in progress should be reduced to as low as practicable. Controls must be monitored to ensure they remain effective				
High 12-25		Work MUST NOT start until controls are in place to reduce the risk to a minimum of a medium risk rating				

(C) CONSEQUENCE	(L) LIKELIHOOD	(RR)	RISK RATING
1. Negligible/No effect	1. Negligible	1 – 5	Low
2. First Aid Injury (NLT)	2. Unlikely	6 – 10	Medium
3. Lost Time Injury (LT)	3. Likely	12 – 25	High
4. RIDDOR injury	4. Very Likely		
5. Fatalities	5. Inevitable		

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HAZARD	THOSE at RISK	RISK / EFFECT	Before Control			CONTROL	After Control		
			(C)	(L)	(RR)		(C)	(L)	(RR)

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LCE/RA/052 Working on or close to high pressure water mains	Site operatives	Serious injury or possible death as a result of being hit by high pressure water escaping from leaking pipe work.	5	3	15	- We will request that the main be isolated prior to works commencing. If YES: A and safe to be worked on. If NO: Then we will request that the mains pressure to be lowered as much as possible with strict controls in place in order to carry out work safely. Pressure levels will be monitored throughout after it has been lowered. If possible, we will request that the main be drained down prior to being worked on. - If main is GRP then no work will be carried out live. - Following repair of water main all site operatives will vacate the excavation/chamber/immediate area prior to re-charging. - If main continues to leak after charging, no further work will take place until the main has been depressurised / isolated and another COI to be issued by the operator. Only when main has been isolated/depressurised and drained down will operatives re-enter. - All excavations to be supported using shoring ie. trench boxes or sheet piles and frames.	5	2	10
	Site Mangers	Risk of water main exploding causing Serious injury or possible death as a result of being struck by moving pipe work							
	Visitors	Risk of entrapment. Serious injury or possible death as a result of being buried by unsupported or washed away ground. Risk of drowning as a result of vast amount of water escaping from leaking pipes							

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LCE/RA/002 Slips Trips & Falls on site	Site operatives	Injury due to falls at height or ground level.	5	3	15	- Work areas will be segregated with security fencing and pedestrian barriers. - Solid barriers will be erected around excavations and open chambers. - Signing will be erected to warn of construction work taking place. - Openings will be adequately secured to prevent persons falling through. - If reasonably practicable, all excavations will be backfilled and reinstated prior to demobilisation at end of working day - Good house-keeping standards will be maintained throughout the site. Work areas and pedestrian routes will be well lit and kept clear of leads, hoses, rubbish and materials. - Waste materials will be disposed of in the skips provided. - Materials will be stored in segregated designated areas. - Pedestrian and security fence bases will be placed to prevent trips. The ends of the bases will be highlighted to warn pedestrians. - Road plates and footpath boards will be laid flat and secured against movement. Edges will be feathered with temporary tar where required.	5	1	5
	Visitors to site Those who gain access to the site illegally	Falling onto sharp or awkward objects. Falls into excavations or chambers that have no barriers or edge protection. Poor house keeping standards that could result in personnel/pedestrians tripping over discarded materials.							

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LCE/RA/003 General public who may be affected by our work	Members of the public	Possible death or injury due to falling, tripping and contact with plant and machinery.	5	3	15	- All reasonably practicable measures will be taken to ensure that access cannot be gained to the site compounds and work areas during day and night. This will usually be achieved by erecting 2m high security fencing around the work area. - If reasonably practicable, all excavations will be backfilled and reinstated prior to demobilisation at end of working day. - Road and footpath plates will be used to cover excavations that cannot be barriered off. - Chapter 8 compliant barriers and signs will be provided to safely direct pedestrians away from work areas where required. - Solid barriers will be erected around excavations and open chambers - Measures will be taken to consider the visually impaired, the disabled and mothers with pushchairs when erecting pedestrian routes. - Pedestrian Routes will be compliant with Chapter 8 requirements and be kept clear of obstructions. - Banksmen will be provided to accompany plant travelling in areas where there is a risk of interface with pedestrians. - Keys will be removed from construction plant when not in use. - Small plant and harmful substances will be secured inside locked containers or vans when not in use. - Measures will be taken to avoid the creation of or to minimise dust and noise from work activities to reduce exposure to members of the public.	5	2	10
	Road users	Accidents that may occur due to ignorance of the dangers that exists in construction site.							
	Those who gain access to the site illegally	General public (especially children) gaining access to the construction site.							
		Working in close proximity to members of the public.							



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			(C)	(L)	(RR)		(C)	(L)	(RR)
			(C)	(L)	(RR)		(C)	(L)	(RR)

[illegible]

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LCE/RA/008 Manual Handling on site	Site operatives	Pulled muscles, serious back injury, resulting in loss time accidents from attempting to lift / push any awkward / heavy loads.	4	3	12	- Employees are requested to make the company aware of any known musculoskeletal conditions that may increase the risks associated with manual handling activities. - Manual handling operations will be avoided whenever reasonably practicable, consideration will be given to the use of mechanical handling, for example by the use of excavator, HIAB, etc. - Where mechanical means are not reasonably practicable, lifting aids will be provided for example; kerb lifters, pallet trucks, sack trucks, etc. - Loads will be positioned mechanically, as close as possible to its final position, to reduce the distance for manual handling. - Operatives will be trained in the methods of kinetic lifting and handling techniques. - Loads to be manually lifted will be limited to HSE guidelines of 25kg (men) 16kg (women) whenever possible. Where these loads are to be exceeded an additional risk assessment will be carried out. - No person will be required to manually handle a load unless supervisors are satisfied that they are suitably fit, willing and able to do so. - Loads will be examined to determine weight, dimension and content. - Loads will be broken down into smaller parts where possible. - Area of lift and route along which the load is to be transported, will be well lit, with non-slip surface and clear of any slip/trip/fall hazards. - Good levels of housekeeping will be maintained.	4	2	8
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LCE/RA/016	Site Operatives	Onset of Vibration White Finger and/or Carpal Tunnel Syndrome.	4	3	12	- HAV's folder provided to all gangs identifying expected vibration levels of plant and EAV trigger times of all tools provided. - LCE will ensure all new tools and equipment will be low vibration models when reasonably practicable. - LCE operatives will be instructed not to exceed the Exposure Action Value (EAV) max of 2.5m/s² or 100pts in any 8hr period. - All vibrating tools will be visually expected weekly and be subject to regular maintenance. - All LCE operatives will be trained on the effects of using vibrating tools and on the symptoms of HAV / Carpal Tunnel Syndrome. - Operatives will be instructed on additional control measures such as keeping hands warm, rotating tasks, to avoid forcing tools and stopping smoking. - All operatives using vibrating tools and equipment to be subject to three yearly health checks.	3	1	3
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LCE/RA/018 Use of Abrasive Wheels	Operators	Injury to user and other personnel from flying debris or incorrect use of wheel.	4	3	12	- All operatives will be trained in the safe use of disc cutters. - All users will wear the following PPE: - Medium Impact Safety Goggles (to BS EN 166 B) - Use ear defenders with SNR of >29 - Gloves (Cut 5) - Dust mask (FFP3) - Only trained and competent persons to change blades. Blades will be matched to tasks i.e. stone/metal. - Disc cutters and grinders will be only be used with guards in place. They will be subject to weekly visual inspection and three monthly thorough examination. - Water suppression will be used when using a disc cutter to cut stone /concrete etc. - Use of abrasive wheels to be limited to <100pts per day. - Appropriate work clothing will be worn to prevent entangled in the moving parts of the machine. - When using to cut metal, fire extinguishers will be in place and Hot works Permit issued. Screens will be used to prevent sparks form causing fire or damaging paintwork. - Re-fuelling will only take place after the machine has cooled down.	4	2	8
	Site Operatives	Damage to hearing from noise							
	Others standing close by	Damage to health from exposure to dust particles.							
		Vibration White Finger from prolonged use.							
		Entanglement of hair or clothing.							
		Risk of fire from ejected particles and when filling with petrol.							