



## **Risk Assessment and Method Statement**

### **Longitudinal Timber Replacement Works (Beaulieu Viaduct Str 302/029)**


**November 2022**

	<b>Name</b>	<b>Company</b>	<b>Signature</b>	<b>Date</b>
<b>Prepared By</b>	Andy McMonagle	Inspired Access	[redacted]	09/11/2022
<b>Reviewed By</b>	Stephen Pearson	Inspired Access	[redacted]	11/11/2022
<b>Client Acceptance</b> (Where Applicable)				




### Document history and authority

[illegible]

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## 1.0 Introduction

This document has been prepared for the provision of a specialist access staff to support client staff during longitudinal timber replacement works on the Beaulieu Viaduct structure 302/029.

All work will be completed under the direction of the client and any onsite authority (where applicable). Contained within this document are details of the proposed method of works, access and egress methods and various scenarios regarding the recovery of personnel from the work areas should this be required. A separate Risk Assessment will be completed by all team members for the works (Risk assessment usually completed at planning stage). Works undertaken in accordance with:

- Inspired Integrated Management System (Manual) – IAS-MAN-001
- Inspired Integrated Management System (Manual) – IAS-MAN-002
- Technical Work Scope – 302.029 Beaulieu Viaduct (W.B). – Longitudinal Timber Replacement
- Form C and Design for Netting System
- IRATA (Industrial Rope Access Trade Association) International Code of Practice
- BS7985:2013 Code of practice for the use of rope access methods for industrial purposes
- PUWER 1998 (Provision and Use of Work Equipment Regulations)
- LOLER 1998 (Lifting Operations and Lifting Equipment Regulations)
- Construction (Design and Management) Regulations 2015.
- BSEN795:2012 Protection against falls from height – Anchor devices –Requirements and testing
- BS7883:2019 Code of practice for the design, selection, installation, use and maintenance of anchor devices conforming to EN795

This document contains the methods of access and safety for undertaking these works.

Subsequent changes to the method statement and risk assessment may be made by the Site Team Leader Team Leader on site based upon prevailing operational conditions or unforeseen circumstances. However, should changes to the work scope dictate changes to the method of work then ratification of these changes shall be made with the relevant Inspired and client Project Manager prior to divergence from this document.

## 1.1 Contact Details

Function/ Role	Name	Company	Contact 1	Contact 2
Managing Director	Stephen Pearson	Inspired Access	[redacted]	stephen@inspiredaccess.co.uk
Project Operations Manager	Andrew McMonagle	Inspired Access	[redacted]	andy@inspiredaccess.co.uk



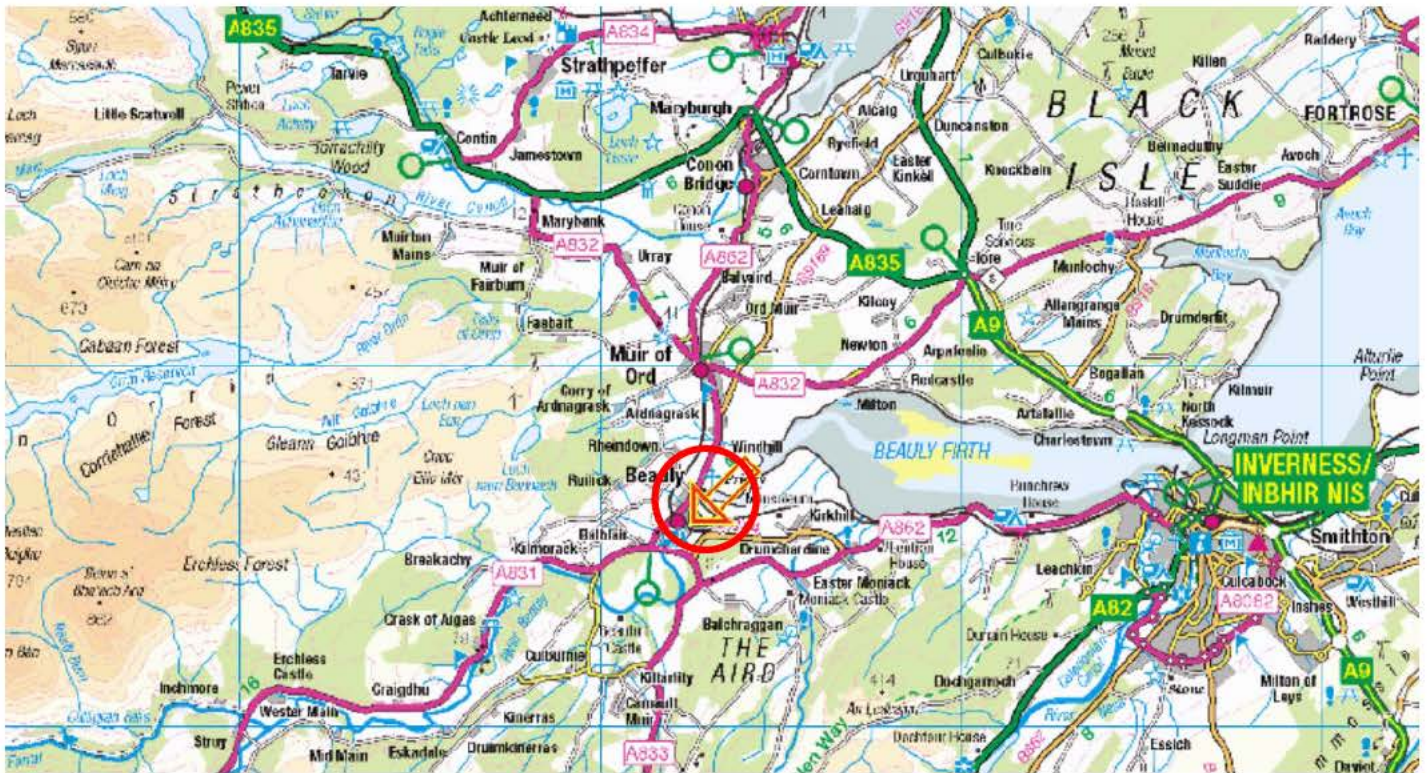
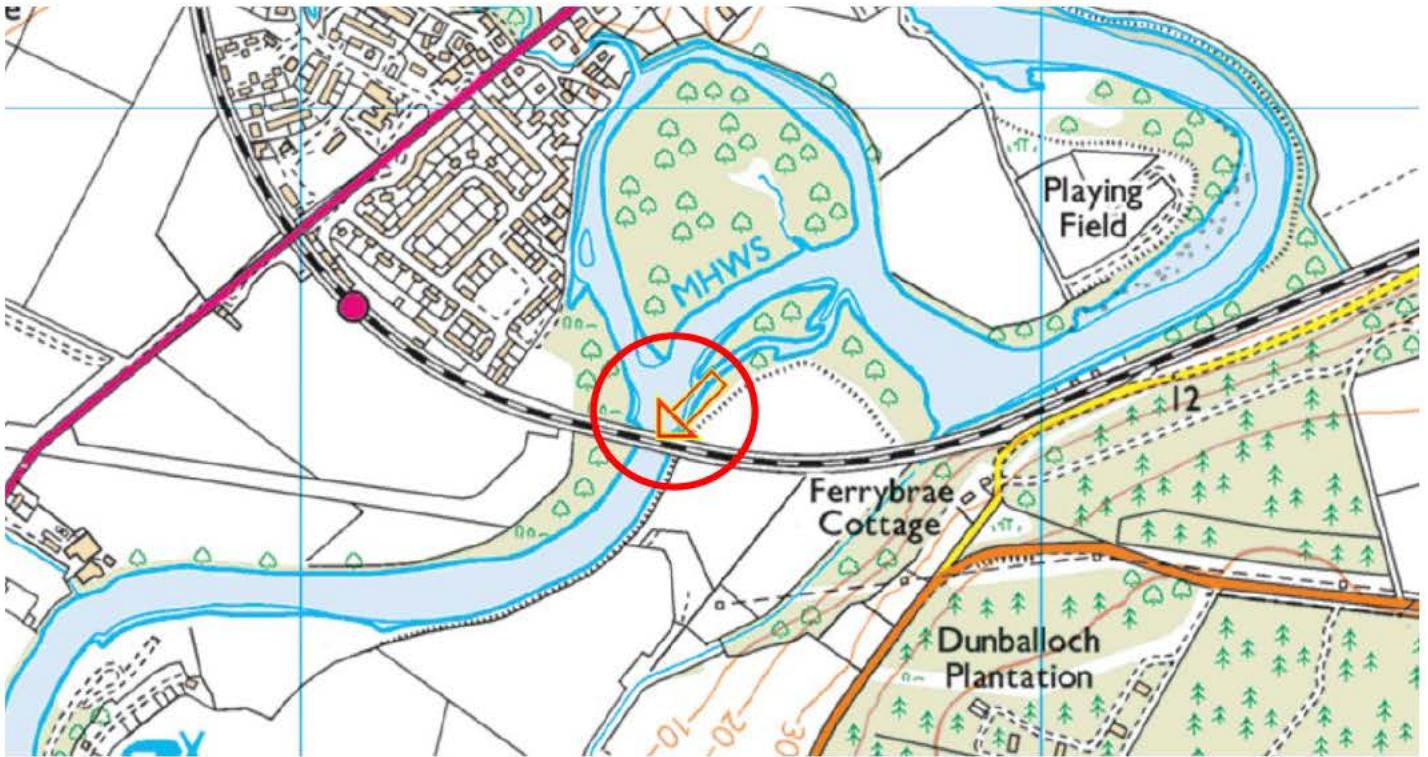
## 1.2 Location Details

The structure is in the Inverness to Wick Line area.

Structure	OS Ref	What 3 Words	Nearest Postcode
302/029	NH52414558	amicably.gained.trek	IV4 7ES









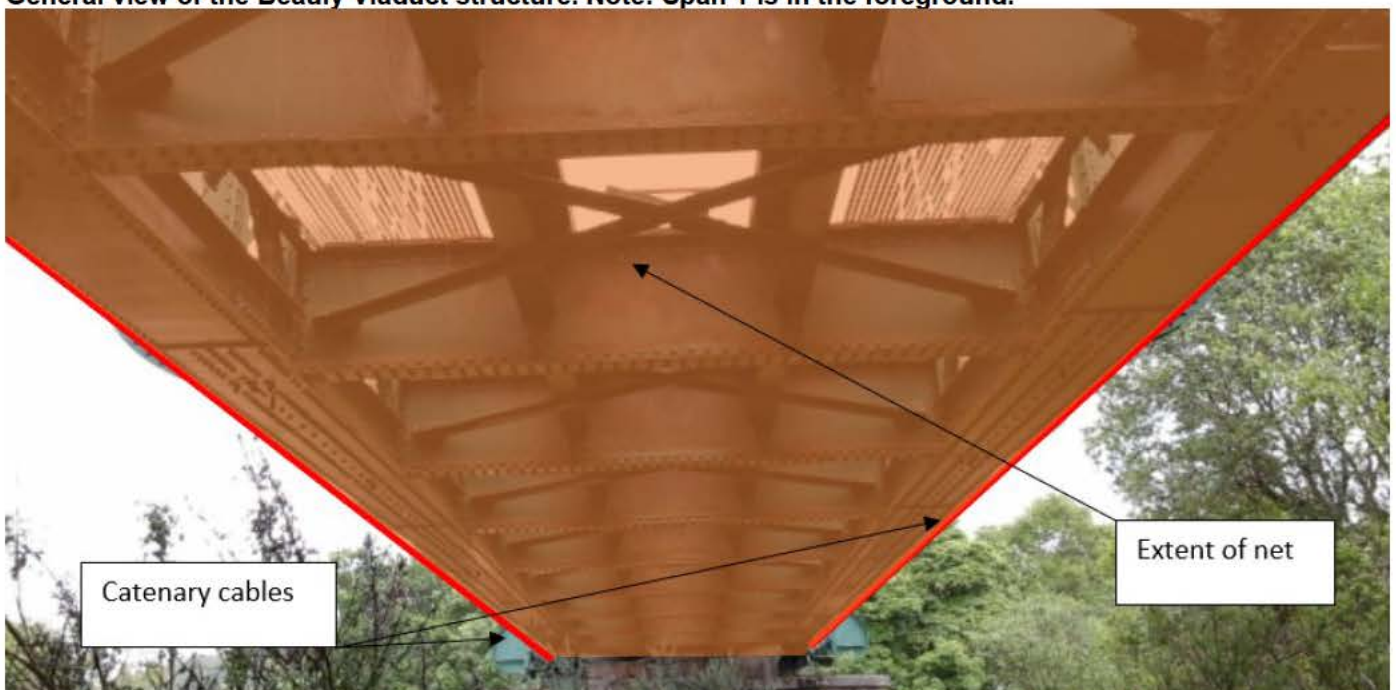
## 2.0 Scope of Work

The scope of works includes:

- Design of a fall arrest netting system and creation of a Form C
- Installation of a fall arrest netting system to the soffit of Span 2 below track level using rope access methods and IRATA staff
- Provision of IRATA staff to attend site and support the timber replacement works
- Provision of IRATA staff to attend site and maintain working at height systems as required by the client



General view of the Beaulieu Viaduct structure. Note: Span 1 is in the foreground.



The fall arrest netting system shall protect staff and equipment from a fall through the bridge deck to ground level below. Note: catenary cables will be utilised for installation only.






Typical bearing area located at pier. Staff to ensure netting system is terminated correctly in this area to avoid gaps in the system.



Extent of netting on span 2.



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### 3.0 Method of Work

#### 3.1 Method of Works – Access via Rope Access Techniques

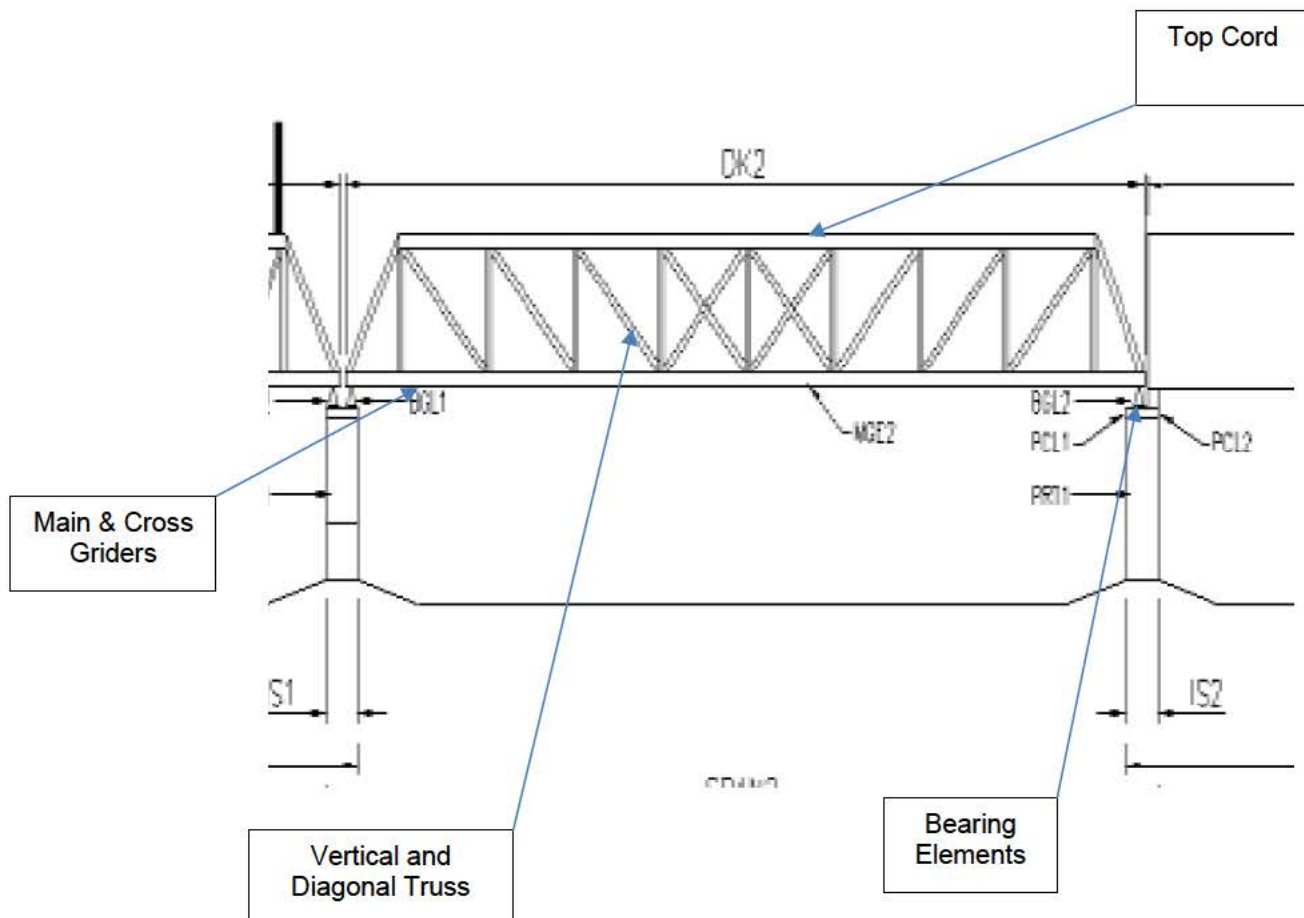
- Vehicles to be parked in authorized areas (Refer to **Section 1.2**)
- Confirm all relevant permits and preliminary paperwork is in place prior to accessing site. The team must only access the site when given permission from the owner, operator or client.
- Staff to attend COSS briefing. COSS to authorise access to the structure once safe and possession confirmed.
- Team to familiarize themselves with the site and scope of works. RAMS to be signed by whole team and any third parties working under the Inspired safe system of work. Site Team Leader to liaise with site representative regarding additional briefs and the completion of site documentation and other requirements.
- Staff will hold and record a toolbox talk using **Form 061** and task risk assessment with all parties involved in the work scope in accordance with client and company procedures. Any identified hazards to be noted and discussed with all parties affected. A risk assessment will have been carried out pre-contract however, technicians may use the rear of the toolbox talk “newly identified hazards” to highlight new dangers.
- Site Team Leader and team to complete walk through of proposed job highlighting risks and proposed sequence of events including recovery method.
- Site team leader to liaise with Vital staff to discuss scope of works and detail of rescue scenario(s).
- An adequate exclusion zone is to be erected around and below the proposed work area with signs of prohibition where required. Site Team Leader to monitor need for exclusion zones and size in relation to work scope. Third parties to contact supervisor and request safe passage through the exclusion zone. This will be granted at the first opportunity when tools are downed, and the area is safe.
- Site Team Leader will rig and test all ropes and associated equipment unless where staff are using aid climbing techniques in which case agreement on proposed anchorage throughout to be agreed with the Site Team Leader prior to commencement. Rope access systems to be rigged from available suitable and adequate structure. Twin rope access systems to be installed ensuring ropes are of adequate length to reach the safe walking route or water below taking into account weather conditions. Refer to **Section 3.2**.
- The Site Team Leader must complete a specific access procedure for any areas of rigging that are complicated or present difficult recovery scenarios by their nature. This represents any non-standard application of rope access techniques.
- All team members to be aware of the method of recovery in the event of an emergency. See **Section 6.3** for further details.
- Site Team Leader to confirm safe system of work have been implemented and are ready for use.
- Team to complete works as per scope **Section 2.0**.
- Once the works are complete the team leader is to ensure the work site is left as found through the use of good house-keeping habits. Remove all debris and waste from worksite and dispose of in accordance with site regulations.
- Notify appropriate authority of completion of works. Complete walk through with client and have completion signed off where required.



### 3.2 Method of Works – Primary Anchor Points and Rigging Arrangements

The Site team leader will assess the suitability of primary anchor on site. Form 060 (Specific Access Procedure) to be utilised should it be required.

Staff to utilise suitable structural members for main anchorage as detailed below. All elements to be inspected prior to use to confirm suitability. Anchor selection to consider machine movements and third party works.



### 3.3 Method of Works – Access at Ground Level/ River Bank










The works bring staff near river bank with the risk of entering the water present in these areas. An edge protection system acting as a fenced area will be utilised to prevent staff from entering the water course accidentally during the netting works. Edge protection to be installed as per below with staff utilising rope access systems to protect fall into the watercourse during this phase of the works:










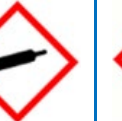

Typical fencing to be utilised for the works

## 4.0 Health, Safety and Environmental


### 4.1 PPE Requirements

								
Harness & Lanyard	Safety/ Hard Hat/ Helmet	Safety Boots	Safety Gloves	Hi-visibility clothing	Eye protection	Hearing protection	Respiratory protection	Lifejacket
Y	Y	Y	Y	Y	Y	Y	Y	Y
<b>Detail Specific PPE Requirement where Y is located above.</b>								
At all times	At all times	At all times	At all times	At all times	At all times	Where task risk assessment or other requires	Where task risk assessment or other requires	Where task risk assessment or other requires

### 4.2 COSHH

<b>COSHH/Hazardous Substances</b>								
								
N	N	N	N	N	N	N	N	N
Toxic	Serious Long Term Effects	Health Effects	Danger to Environment	Oxidizing	Flammable	Explosive	Compressed Gas	Corrosive
<b>Detail Substances/ Chemicals Identified</b>								
<b>Substance/ Chemical</b>	<b>COSHH Assessment Required Y/N</b>		<b>Substance/ Chemical Used For?</b>					



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#### 4.3 Welfare

In line with Inspired's Welfare Policy (IAS-POL-011), we will assess each worksite individually and have arrangements in place for the provision of adequate welfare facilities which are clean, properly maintained and fit for purpose.

This includes for transient and non-transient members of our work force as defined in the Construction (Design and Management) Regulations 2015.

#### 4.4 Occupational Health

All staff working on the contract have been briefed on Inspired's Work Safe Policy (IAS-POL-004) and Fatigue and Working Hours Policy (IAS-POL-006).

All staff will have a valid NR medical.

#### 4.5 Waste

It is not anticipated that any waste will be created.

#### 4.6 Asbestos

All Inspired Site Staff are trained to recognise asbestos.

If any asbestos is identified on site, staff must stop work and report to the project manager.

#### 4.7 Site Access

Site will be accessed as per requirements in **Section 1.2**.


#### 4.8 Flora and Fauna

A general awareness of plants and potential wildlife around the work areas is required.

All staff have been briefed on the identification of invasive species (IAS-GN-013)

#### 4.9 Fire

Risk of fire will be identified in risk assessment.

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## 5.0 Resource Requirements

### 5.1 Staff

Staff will be competent in the duties they are undertaking and trained in the use of equipment stated within the Tools & Equipment section of the RAMS

### 5.2 PPE

Standard mandatory PPE as detailed in **Section 4.1** to be worn at all times. Adhere to PPE requirements in COSHH **Section 4.2**.


Masks for the protection against Covid-19 shall be worn at all times when required by current COVID-19 guidance and where social distancing cannot be adhered to.

### 5.3 Materials

None.

### 5.4 Tools & Equipment

Industrial rope access equipment – Standard  
Industrial rope access equipment – Rescue  
Fall Arrest and Components

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## 6.0 Emergency Arrangements

In the event of an emergency the priority is the health, safety and welfare of all operatives, the emergency services and the general public.

### 6.1 First Aid Arrangements

A first aid kit will be kept in the site staff vehicle within 10 metres of the site. Where this is not possible, the first aid kit will be taken to site.

The Site Team Leader will familiarise themselves with the location of the nearest hospital casualty department.

At least one person undertaking the site works will be trained to the level of Emergency First Aid. This person will be identified during site briefings and included in the site-specific information.

Minor cuts, abrasions etc. will be reported to the nominated First Aider for cleaning and protection. All injuries will be recorded.


All major injuries will be reported to the nominated First Aider, who will inform the Site Team Leader who will determine further action. Personal safety is paramount.

First aid arrangements will be in accordance with the obligations laid down by the Health & Safety (First Aid) Regulations 1981, as amended 2018.

### 6.2 Evacuation Arrangements

If an emergency arises all personnel will leave the worksite ensuring that all tools and equipment are clear of any carriageways or footpaths and proceed to a position of safety as per site rules and procedures.



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### 6.3 Recovery of Casualty

## **A DESIGNATED RESCUE BAG WILL BE ONSITE AT ALL TIMES - THIS WILL BE EASILY IDENTIFIED AS ORANGE**

- In the event of injury to team members working below the following procedure will be adhered to:
- All operatives who cannot assist immediately to down tools and reach a position of safety, preferably not at height.
- Site Team Leader will be responsible for the recovery of the casualties(s) from the worksite. There will be specific recovery systems rigged for all worksites to assist with this. Site Team Leader will, when possible, rig for rescue.
- However, the safe system of work in place may be used in conjunction with additional rescue devices to recover the casualty to safety. This will be left to the discretion of the onsite Site Team Leader.
- All recovery systems will be prepared utilising dedicated "recovery kits" that are present on all worksites where work is being performed. These are identified by their fluorescent orange rucksacks and contain a variety of rope access equipment to be used for recovery of personnel.
- First Aid, as required, will be administered by the First Aider until the arrival of the Medic.
- Where possible, direct rope drops will be rigged for each work site to ensure easier recovery of any casualty.
- In the event of an emergency, the most efficient means of evacuation will be to recover the casualty and descend with them to the ground.
- Dependent upon the work location the evacuation point will be discussed and confirmed by the team for the most suitable point for delivering the casualty for further assistance or medical attention.
- Site Team Leader must never place them self in a situation where they may need to be rescued. This will depend on the nature of the job however, in most cases; they must not perform work positioning techniques.
- All team members must be clear on the proposed method of recovery. Work should not commence unless this has been carried out.
- Some situations may require the Site Team Leader to complete a short rescue plan detailing rigging method and method of recovery if an incident were to occur. Blank forms shall be kept in the work packs.

### 6.4 Specific Recovery Methods

Refer to **IAS-FORM-061**.

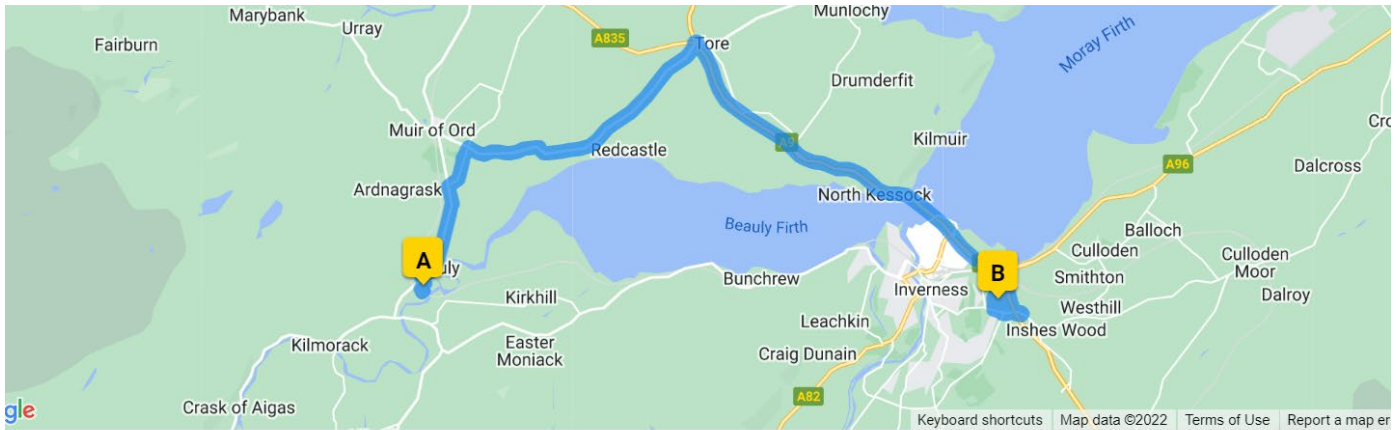
### 6.5 Emergency Services

If emergency services are required, it is the Site Team Leaders responsibility to call 999 or nominate a member of the site team to do so.

The Site Team Leader or their nominee will give the emergency services all required information which will include the nearest access point. The Site Team Leader or nominee will also go to meet the emergency services at the access point and wait for their arrival.

## 6.6 A&E Hospital


Raigmore Hospital  
Old Perth Rd  
Inverness  
IV2 3UJ



📍 Aird Road, Beauly IV4 7ES, UK  
📍 Inverness IV2 3UJ, UK

**Distance:** 17.0 miles  
**Time:** 27 mins

Distance	Directions	Total
<b>Start:</b>	Aird Road, Beauly IV4 7ES, UK	
0.0	Head <b>northeast</b> on <b>Aird Rd</b> toward <b>Maple Vale</b>	0.0 <a href="#">Show map</a>
0.0	Turn <b>left</b> to stay on <b>Aird Rd</b>	0.0 <a href="#">Show map</a>
0.1	Turn <b>right</b> onto <b>Beaufort Gardens</b>	0.1 <a href="#">Show map</a>
0.2	Turn <b>right</b> onto <b>Station Rd/A862</b> Continue to follow A862	0.3 <a href="#">Show map</a>
1.8	Turn <b>right</b> onto <b>B9169</b>	2.1 <a href="#">Show map</a>
0.8	Turn <b>right</b> onto <b>A832</b>	2.9 <a href="#">Show map</a>
4.9	At <b>Tore Roundabout</b> , take the <b>4th</b> exit onto <b>A9</b>	7.8 <a href="#">Show map</a>
6.0	At the roundabout, take the <b>2nd</b> exit and stay on <b>A9</b>	13.8 <a href="#">Show map</a>
1.9	Slight <b>left</b> onto <b>Culloden Rd</b>	15.7 <a href="#">Show map</a>
0.1	Turn <b>left</b> onto <b>Culloden Rd/B9006</b>	15.8 <a href="#">Show map</a>
0.3	At <b>Inshes Roundabout</b> , take the <b>4th</b> exit onto <b>Old Perth Rd/B9006</b>	16.1 <a href="#">Show map</a>
0.2	Turn <b>right</b> onto <b>Raigmore Hospital</b>	16.4 <a href="#">Show map</a>
0.6	Turn <b>right</b>	16.9 <a href="#">Show map</a>
0.0	<b>Arrive:</b> Inverness IV2 3UJ, UK	17.0
<b>Section time: 27 mins 58 s, Total time: 27 mins 58 s</b>		

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## 7.0 Risk Assessment

Client	Vital Human Resourcing Ltd	Date of Assessment	09/11/2022	Assessor	Andy McMonagle
Description of Works	Safe access of span 2 of bridge to undertake the installation of netting systems and fall protection equipment.				

EM	Employee	Likelihood		Severity of Injury or Damage			
P	Member(s) of Public	Category	Definition	Category	People	Assets	Environment
C	Third Party Contractor	Low - L	Unlikely	Low - L	No Injury	No Damage	No Damage
A	Asset	Med - M	Possible	Med - M	First Aid	Minor Damage	Minor Damage
E	Environment	High - H	Very Likely	High - H	LT Injury	Major Damage	Major Damage

Severity	H	T	U	U	Unacceptable – Do Not Proceed
	M	A	T	U	
	L	A	A	T	Tolerable – Proceed and Monitor
		L	M	H	
	Likelihood				Acceptable – Proceed

Hazard & Harm	Who is Effected					Risk Rating			Control Measures	Residual Risk		
	E	P	C	A	E	S	L	R		S	L	R
Catching or Transmitting COVID-19	X	X	X			H	M	U	<ul style="list-style-type: none"> <li>Maintain social distancing on site</li> <li>Wear appropriate PPE</li> <li>Always thoroughly wash hands with antibacterial soap or hand gel before touching the face or mouth</li> <li>All briefings to be outdoors, observing the 2m social distancing rule</li> <li>Ensure site staff have no symptoms/not required to self-isolate</li> </ul>	H	L	T
Falling from height (Rope Access)	X					H	M	U	<ul style="list-style-type: none"> <li>Rope access operations to be planned and undertaken adhering to IRATA International Code of Practice, BS7985 and ISL-MAN-002</li> <li>Refer to project specific rope access risk assessment method statement document.</li> <li>Buddy checks to be undertaken</li> <li>Rope access SSOW to utilise a minimum of two points of attachment for each individual rope access system. Anchor points to have a combined capacity of 15kN. <b>See section 3.2.</b></li> <li>Suitable structure to be used as primary means of anchorage when working on underbridges and other suitable structures. Sling or steel strop to be rigged through stiffeners.</li> <li>All anchor points to be selected and assessed by the IRATA level 3 including those during aid climbing operations. Unquestionably sound anchor</li> </ul>	H	L	T
Serious Injury or Death												

Hazard & Harm	Who is Effected					Risk Rating				Control Measures	Residual Risk		
	E M	P	C	A	E	S	L	R	S		L	R	
										points to be utilized at all times. <ul style="list-style-type: none"><li>Technicians to be briefed on each phase or move to new work area. Rescue plans to be well briefed with all parties understanding roles.</li></ul>			
Working on Railway Infrastructure  Staff and Equipment Hit by Railway Vehicles	X	X	X	X	X	H	M	U		<ul style="list-style-type: none"><li>All works to be undertaken under possession conditions with no open line working. Staff to follow instruction from COSS for all matters concerning track access and egress.</li><li>Staff required to have PTS or TVP.</li><li>All works to be planned in collaboration with client and safety critical staff to ensure deconfliction.</li><li>Staff to ensure all equipment located at track level is removed at the end of every shift.</li><li>Staff to ensure temporary netting equipment and associated components will not interfere with the railway.</li></ul>	H	L	T
Falling from Height (Non-IRATA staff)	X		X			H	M	U		<ul style="list-style-type: none"><li>Non-IRATA staff will be advised by Inspired staff throughout the works.</li><li>Non-IRATA staff will be advised by IRATA team should a rescue be required.</li><li>Inspired Access staff to control all hauling, casualty movements and work at height requiring rope access techniques.</li></ul>	H	L	T
Being put in danger due to use of mobile phone	X			X	X	M	M	T		<ul style="list-style-type: none"><li>Always to be used in position of safety only</li><li>Use to be minimized whilst working</li><li>Only to be used if required for duties</li></ul>	M	L	A
Slip, trip, fall leading to personal injury due to hazardous underfoot conditions	X					M	M	T		<ul style="list-style-type: none"><li>Undertake Site Specific Risk Assessment</li><li>Approved Safety footwear to be worn</li><li>Approved access routes to be used</li><li>Known slipping and tripping hazards to be identified and briefed to all personnel prior to work commencing</li><li>Particular care should be taken when standing on banks adjacent to rivers / water courses / culverts etc</li><li>Staff not to carry excess equipment</li></ul>	M	L	A
Hypothermia, heat exhaustion, heat stroke, dehydration or other condition caused by extreme weather	X	X	X			H	M	U		<ul style="list-style-type: none"><li>Consult weather forecasts</li><li>Staff to be issued with appropriate PPE appropriate for the time of year.</li><li>Rotate duties</li><li>Take frequent breaks to cool off or warm up</li><li>Work to be postponed if unable to be carried out without affecting staff safety or welfare.</li></ul>	H	L	T




Hazard & Harm	Who is Effected					Risk Rating				Control Measures	Residual Risk		
	E M	P	C	A	E	S	L	R	S		L	R	
conditions													
Working at Height (Netting Systems)	X	X	X	X		H	M	U	<ul style="list-style-type: none"><li>• Netting system shall be designed by a suitably competent engineer and a Form C produced accordingly.</li><li>• SWL of netting system must not be exceeded with excess staff and equipment above at track level.</li><li>• Adhere to designer risk assessment in <b>Appendix A</b>.</li></ul>	H	L	T	
Falls from Height (Sharp edges)	X					H	M	U	<ul style="list-style-type: none"><li>• Adhere to guidance in IRATA International Code of Practice Annex P by following the hierarchy in order of priority:<ul style="list-style-type: none"><li>• 1 - Remove (the hazard, where feasible)</li><li>• 2 - Avoid (the hazard) through rigging or choice of rigging area</li><li>• 3 - Protect (against the hazard) with edge protectors</li></ul></li><li>• Rope protection to be used on each rope on each contact point where we are to protect the equipment against the hazard (step 3)</li><li>• IRATA Level 3 to monitor the position and adequacy of edge protection throughout the works.</li></ul>	H	L	T	
Falls from Height (Equipment failure)	X					H	M	U	<ul style="list-style-type: none"><li>• All equipment to be properly managed through the course of use in line with the LOLER 1998 regulations and IRATA Code of Practice Annex H.</li><li>• All equipment subject to 6 monthly thorough inspections, pre use and onsite inspections before each use of the equipment.</li><li>• All equipment to be stored in an appropriate manner when onsite. Damaged equipment must be quarantined, and the store manager notified.</li></ul>	H	L	T	
Working over water (Drowning)	X					H	M	U	<ul style="list-style-type: none"><li>• Operatives to use industrial rope access safe system of work when working above water.</li><li>• Edge protection/ fencing to be utilised to protect staff at river bank location – see <b>Section 3.3</b></li><li>• Adhere to ISL-MAN-002, IRATA International Code of Practice and to project specific rope access risk assessment method statement document.</li><li>• Rescue boat and operator to be utilised when working over larger bodies of water e.g. loughs/ lakes/ coastal areas.</li><li>• All operatives to wear self-inflating life jackets at all</li></ul>	H	L	T	

Hazard & Harm	Who is Effected					Risk Rating				Control Measures	Residual Risk		
	E M	P	C	A	E	S	L	R	S		L	R	
										times when working near or above water. <ul style="list-style-type: none"><li>If deemed necessary, operative to be situated on riverbank with throw rope.</li></ul>			
Weils Disease (Leptospirosis)  Ill health/ death	X					H	M	U		<ul style="list-style-type: none"><li>Ensure hands are washed prior to touching the face or mouth, eating or smoking.</li><li>Avoid placing hands in water course where possible.</li></ul>	H	L	T
Dangers from Noise	X	X	X	X	X	M	M	T		<ul style="list-style-type: none"><li>All staff to be provided with and use ear defenders when working in noisy environments</li><li>Ear protection to be worn when operating fog horn in confined spaces. Direct horn away from staff.</li></ul>	M	L	A
Being hit by loose material falling from structure while in the process of being removed during works.					X	M	M	T		<ul style="list-style-type: none"><li>Having identified loose (area) material closely inspect to determine / quantify area of loose material</li><li>Note, any tell-tale signs to establish extent of loose material, e.g. cracks in concrete, condition of joints in brickwork etc.</li><li>Consider any adjacent material, and condition once loose section has been removed</li><li>Ensure that area directly below or could be affected by falling material is clear, this includes plant</li><li>Take a position adjacent to the loose material, not directly underneath, and close enough to effect control over the task</li><li>Remove the material by prising the loose material away from the parent material, use other tools to further loosen by striking away from the all persons on site</li><li>Use appropriate PPE</li></ul>	M	L	A
Lapses of concentration due to excessive working hours	X	X	X	X	X	H	M	U		<ul style="list-style-type: none"><li>Take adequate rest breaks and rest periods between shifts</li><li>If tired do not drive or work</li></ul>	H	M	T
Accidents caused by ill health	X				X	H	M	U		<ul style="list-style-type: none"><li>Before commencing any working activity inform your line manager or STL of any permanent or temporary medical condition that could incapacitate you whilst working</li></ul>	H	L	T
Violence from members of the public	X	X				M	M	T		<ul style="list-style-type: none"><li>Do not provoke or get involved in any confrontation with members of public</li><li>Avoid conflict, back down and do not return anger</li><li>Close Call</li></ul>	M	L	A
Injury due to working during	X					M	M	T		<ul style="list-style-type: none"><li>Site to be visited during hours of daylight where possible to assess possible hazards.</li></ul>	M	L	A

Hazard & Harm	Who is Effected					Risk Rating				Control Measures	Residual Risk		
	E M	P	C	A	E	S	L	R	S		L	R	
the hours of darkness									<ul style="list-style-type: none"><li>Adequate lighting systems, preferably battery powered, to be provided and maintained, adjusting where necessary to prevent dazzle.</li><li>Ensure all areas of work and access/egress routes are illuminated sufficiently.</li><li>No lone working at night</li><li>All staff to have and use own fully charged head torches</li><li>PPE should be suitable for the task at hand and in good condition</li></ul>				
Injury from incorrect manual handling	X					M	M	T	<ul style="list-style-type: none"><li>Manual Handling Awareness training to be undertaken by all staff</li><li>Manual handling assessment to be undertaken before lifting</li><li>Correct equipment and kinetic lifting techniques to be used</li><li>Staff to lift loads only within their personal capability</li><li>Manufactures instructions to be followed where provided</li><li>Team lifting to be utilised if possible</li></ul>	M	L	A	
Slips, trips and falls due to vegetation	X					M	M	T	<ul style="list-style-type: none"><li>Site Risk Assessment to be carried out when vegetation may present a problem.</li><li>Additional equipment to be used to assist stability when navigating embankments where vegetation is present.</li><li>When vegetation is encountered that is considered too difficult to navigate details of the nature and extent of those problems should be recorded for further action.</li><li>Suitable caution to be exercised where loose or low-lying vegetation is known or suspected to be present</li><li>Where appropriate to facilitate the examination, vegetation shall be cleared from the structure. Only no-powered hand tools shall be utilised for the clearance work and a suitable exclusion zone shall be set up to prevent other members of the team being injured by the tools or any cut vegetation.</li><li>All cleared vegetation shall be stacked in a safe place ensuring that does not cause any obstruction, especially to any walking route or watercourse.</li><li>Any invasive species that are identified shall not be touched and reported via the appropriate channels.</li></ul>	M	L	A	
Diseases form Infestation and contamination by rodent, pigeons, vermin or other wildlife	X		X			M	M	T	<ul style="list-style-type: none"><li>Appropriate PPE to be worn and thoroughly cleaned and dried after use, consider</li><li>Cover open wounds with waterproof plaster.</li><li>Staff trained in risks such as Weil's disease, and associated hygiene requirements.</li><li>Attention to personal hvgiene particularly before</li></ul>	M	L	A	

Hazard & Harm	Who is Effected					Risk Rating				Control Measures	Residual Risk		
	E M	P	C	A	E	S	L	R	S		L	R	
										meal breaks or smoking • All staff to be aware of potential problem, potential sites to be highlighted and identified in the TBS • Staff to wear correctly fitting ori-nasal face masks when near pigeon infested sites.			
Health issues and injuries from contact with substances hazardous to health (General)	X					M	M	T		• Compliance with COSHH assessment • Training where applicable • Issue and use of correct PPE. • Attention to personal hygiene, particularly before meal breaks.	M	L	A
Health issues due to dust	X				X	M	M	T		• Dust masks and eye protection to be worn when working in dusty environment or for work likely to produce or disturb dust. • Attention to personal hygiene, particularly before meal breaks.	M	L	A
Health issues due to Asbestos	X	X	X	X	X	H	M	U		• Train personnel in the identification of the material – Asbestos Awareness (CATA) • Avoid disturbance • Seal and sign all areas of asbestos. • Set up suitable air monitoring and medical surveillance where necessary.	H	L	T
Health issues due to Injurious and Invasive plants (Japanese Knotweed, Giant Hogweed, Himalayan Balsam, Ragwort, Wild Parsnip)	X	X	X	X	X	M	M	T		• Reference recognition of plants in ISL-GN Identification of Invasive Species • Do not disturb	M	L	A
Health issues due to Syringes	X	X	X			M	H	U		• All staff to be aware of potential problem, potential sites to be highlighted and added to SSOW packs. • Where syringes found, staff are to be vigilant and avoid all contact. • Use of correct PPE, included safety footwear and gloves. • Advise fault control on location of syringes to arrange for removal.	M	L	T



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	<b>Risk Assessment &amp; Method Statement</b> <b>Longitudinal Timber Replacement Works</b> <b>(Beaulieu Viaduct Str 302/029)</b>	

**Appendix A – Netting System Design**