



Template based on NR/L2/OHS/0044/F02

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12/09/2023.....Date

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12/09/2023.....Date

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CIVILS

CEM / **CRE** Discipline (as stated in the CPP)

**This Work Package Plan does not require
 acceptance by Network Rail / Client**

OR

.....Date

Accepted on behalf of Network Rail / Client:

(Print Name)

(Signature)

(Job Title)

(See clause 11 of NR/L2/OHS/0044 for the
 acceptance requirements)

Work Package Plan

MSC: 7742

Location: Stromeferry

Works: Sea defence

ELR: KYL

Structure: 200/518

Mileage: 53.0645 – 53.1315

Start Date: 04/09/2023

Finish Date: 04/10/2023

Work Package Plan Number:
WPP-7742-001

Controlled Copy Number:

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**Construction [Phase Plan /
 Reference] Number**

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Revision Date: 12/09/2023



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VERSION CONTROL

REVISION NUMBER	SUMMARY OF CHANGES
Draft	
01	
02	

Supporting guidance



L2OHS0044_F02.pdf

Segregation Assessment

Segregated	Yes / No		
Responsible manager	N/A	Appointed Site Controller	
Segregation	N/A		
Segregation Comments			



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1 Introduction

1.1 Brief outline of work methodology

1.1.1 Scope of Works

Infill areas of undermined and scoured with gabion fill then protect with gabion rock armour. Remove any loose or potential loose material making sure that the boundary fence line is secure. Particular attention to be paid to significant undercutting the entirety of section 2, place rock armour in undercutting to secure embankment and ensure that each rock has 3 points touching.

- The AMCO site supervisor shall brief site personnel on all aspects of the work.
- Including the contents of this WPP. The controller of site safety shall give all site personnel a COSS briefing followed by a question and answer session to ensure a full understanding of the briefing
- The white board will then be filled out and left on display along with the site access board.
- **APPROPRIATE P.P.E. MUST BE USED AT ALL TIMES, HARD HAT, SAFETY BOOTS, GLOVES, HI VI & GLASSES. ADDITIONAL P.P.E. TO BE USED IF REQUIRED FOR SPECIFIC TASKS. IF IN DOUBT CONTACT DEPOT MANAGER/ENGINEER!**
- All persons must be PTS trained or have TVP before accessing on or near the line. All personnel to carry the correct competency card for any skilled work, and that he will be asked for it prior to carrying out that piece of work by the supervisor.
- Site operatives/personnel will sign in to attendance register.
- The site supervisor is to undertake a hazard review on site prior to any works commencing to ensure the SWP & the WPP are reflective of the conditions and hazards on site. This is to include walking routes to / from site and at the point of works. POWRA book is to be completed to formally record the review and if any changes are required, the line manager (on call manager during out of hours) will be contacted to discuss and agree control measures that will be implemented and maintained during the works.
- Emergency Procedures are to be communicated and agreed prior to any works being carried out on site.

All Close calls to be reported!!

Methodology

- The ES will then set up worksite with permission of PICOP.
- ES to sign in COSS after permission to start work granted from PICOP.
- COSS will then brief contents of SWP and to Work party including limitations.



- COSS will then give permission to the Supervisor to access the track as per limitations in COSS brief.
- Access at stromeferry RRAP.
- Supervisor to assess access using POWRA to confirm access safe for use.
- Set up site compound including utilising the HOG welfare cabin and erecting herras fencing.
- Take delivery of Gabion stone and armour. Supervisor on site to confirm laydown area. Laydown area not to obstruct vehicle movements within the yard.
- POS Rep to confirm the RRAP and track Cant and gradient is suitable for RRV Excavator.
- Site Supervisor to check machine and operator certificates and competencies prior to accessing site
- Plant operators access permit and plant checklist to be completed on arrival to site.
- COSS/MC to control all RRV Excavator.
- Exclusion zone to be established around RRV Excavator and maintained when moving to the work area and while working on site.
- Travel to works location between 53.0645 – 53.1315.
- Set up site lighting and supervisor to take pre photographs before works commence.
- Supervisor to carry out nesting bird survey before any cutting works commence.
- **Site Supervisor to issue Permit to Work in Water.** This will be for works carried out beside the water course which will have a dry working area in place. If there is a requirement to enter the water course then the following will apply,
- Water samples will be measured against a baseline during the works, gathered upstream of the work area. Where samples fail, pollution mitigation measures are to be reassessed and works stopped until suitable pollution mitigation measure can be installed and confirmed that they are working effectively’.
- The Site Supervisor will monitor the water levels throughout the works. If the water levels rise significantly the works will be stopped and the water level allowed to recede, before re-entering the watercourse.
- All persons working within the water course will wear wellingtons or chest waders as is appropriate. The wellingtons/chest waders will be cleaned before entry to prevent contamination before works commence. NOTE: Follow Check, Clean, Dry procedure on access/egress to the watercourse.
- Install silt netting and oil absorbent booms along the perimeter of works and to be in place for the full duration off works.
- Silt controls to be monitored throughout the duration of works to evaluate effectiveness. **Works to be carried out at low tide only.**
- Supervisor to monitor tide levels/times and stop works once high tide commences.
- Carry out De-veg along top of the sea defence.
- Chip vegetation on site and dispose of chippings locally along track.
- Transport gabion fill via RRV trailers and strategically place gabion fill along sections of undercutting/scour. All works will be carried out from track level using the RRV excavators.



- Install Gabion rock armour in front of the gabion fill to protect embankments and prevent washout.
- Supervisor/engineer on site to confirm placement/locations of rock armour.
- Exclusion zones to be applied to all operatives when lifting and moving gabion stones. Banksman to control all movements.
- Supervisor to take post photographs once works are complete.
- Remove silt controls and ensure all captured silt is removed from site.
- Clear site of tools and materials and travel back to access to off track.
- Dismantle site compound and return Strome ferry yard to original working order.
- COSS to sign out of ES worksite.
- ES to hand back possession to PICOP to confirm line is clear of plant and materials and is safe for traffic.

1.1.2 The following tasks support this Work Package Plan:

Reference & Prepared by:	Task Briefing Sheet Title	Activity Start Date
TBS-7742-001 prepared by T.Inglis	Strome ferry – Sea defence	04/09/2023

1.2 AMCO's delivery organisation

1.2.1 The following individuals from the AMCO's organisation will be involved during this work package:

Amend list as required

Role	Name	Contact Number
On call manager	R. Czarnocki	[Redacted]
Regional Director	Jim Double	[Redacted]
Operations Director	A Kane	[Redacted]
Project Manager	M Kennan	[Redacted]
Depot Manager	D Maclellan	[Redacted]
Site Supervisor	A Connelly	[Redacted]
Contractors Engineering Manager	A Kane	[Redacted]
Contractors Responsible Engineer (Civils) (As per CPP)	M Keenan	[Redacted]
ALO Responsible Manager	A Kane	[Redacted]
Temporary Works Coordinator	C Allan	[Redacted]
Site Engineer	J Mackay	[Redacted]
Trainee Engineer (Inverness Civils)	T Inglis	[Redacted]



H&S Advisor	Thomas McStay	[Redacted]
Sustainability & Assurance Advisor	M Mcdermott	[Redacted]
Procurement	Procurement North	01226 243 413

- 1.2.2 The following companies, specialist contractors and/or individuals will be involved during this work package as defined in the CPP:

Name of company, specialist contractor or individual, etc.	Work activity / Specialism	Point of contact details	
		Name	Mobile
Ready Power	RRV	Jim Capaldi	[Redacted]

1.3 Resources

- 1.3.1 The following resources will be used for this work package:

Relevant Design Documents

A copy of any drawings and other design documentation relevant to this task can be found in Appendix 2.

Document Ref	Document Title

People

Number of People and their competence associated with this WPP	
Competence	No of People
PIC / COSS	1
ES	1
RP ops	2
General Operative	2
Banksman	1



Plant, Equipment and Tools

Quantity of Plant, Equipment and Tools associated with this WPP	
Plant item	No
Welfare Van	1
Pick Up	1
Chipper	
RRV excavator	
Silt nets	
Oil absorbent boom	
Bush cutters	
Chainsaw	
Small Hand tools	1 sum
Lighting	

Materials

Quantity of Materials associated with this WPP	
Material	Quantity
Gabion fill	200T
Gabion armour	200T

2 Working Together

2.1 At site communication

2.1.1 The Site Supervisor will brief the contents of the WPP and relevant permits before works commence along with the NWR Hazard Map.

Other information to be discussed are as follows:

- Covid-19 site operation requirements.
- Daily Whiteboard
- Any Site specific requirements/details.
- Access/Egress arrangements to the works location.
- POWRA to be carried out before each task.

The Use of mobile phones must only be from a position of safety.

Any Minor Changes to the WPP must be agreed with the On Call Manager using the POWRA booklet refer to 1.2.1 in the WPP above for contact details.

Any significant changes will require an amendment to the WPP and signed off by the CRE/CEM refer to 1.2.1 in the WPP above for contact details.

Out of Hours any incidents or issues must be discussed with the On Call Manager refer to 1.2.1 in the WPP above for contact details.



2.2 Contact details

2.2.1 The following are the main contacts for this work package:

NR Project Team

Name	Role	Contact details	Tick to confirm number works and has been tested
A Davidson	NR PM (west)	[Redacted]	✓
A Sinclair	NR SPM	[Redacted]	✓
S Boslem	NR PM (east)	[Redacted]	✓
D Fleming	NR PM (Earthworks)	[Redacted]	✓

Regulators

Organisation	Contact details	Tick to confirm number works and has been tested
Emergency Services	Emergency – 112 / Non Emergency 101	✓
British Transport Police	0800 405040	✓
HSE	Fatalities and Major Injuries - 0845 3009923. Other - http://www.hse.gov.uk/riddor/report.htm	✓
ORR	020 7282 2000	✓
EA/SEPA/NRW	0800 807060	✓
Flood line	0345 9881188	✓
Spill clean up	0800 592827	✓

2.3 Other parties involved with the package of work (interfaces details)

2.3.1 The following working arrangements will apply with all parties / organisations that have been identified with this work package:

Interfacing Organisation	Interface Point for:	Point of Contact and contact details	Interface arrangements






3 Hazard Management

3.1 Work involving particular risks

3.1.1

The work in this package involves the following particular risk(s), as detailed in Regulation 12 (2), (Schedule 3) of the CDM Regulations 2015:


Risk	When and where will the risk be present?	Permits required	How will this risk be controlled
Working on Network Rail managed infrastructure 	At all times	No	ES to take possessions from PICOP– works to be carried out Green Zone working only. All personnel shall comply with NR standard of full orange hi viz and other task specific PPE.
Contractors non-compliance with standards and agreed method statements 	At all times	No	All sub contract staff to attend site white board briefing and sign in to AMCO safe system of work
Nipping, trapping and crushing 	At all times	No	Use Competent, trained staff and ensure that correct PPE including gloves are worn at all times. Pre-work briefing, toolbox talks. Operatives to complete Point of Work Risk Assessments if any changes to work.
Plant – use of portable tools and equipment	Task specific	No	Low voltage equipment (110v). Regular maintenance of tools. Circuit tests and PAT HAVs assessments to be undertaken.
Operating small tools	Task specific	No	Operatives must be trained and competent. Inspect plant before use and report any faults to site supervisor.
Slips, trips and falls	At all times	No	Get the right footwear with good tread and slip resistant soles. Take extra care at night and in poor weather conditions – always use a hat lamp, slow down and look ahead to where you are placing your feet. On track always walk ballast to ballast and avoid walking on troughs and sleepers as these are frequently slippery. Always use hand rails when climbing or descending stairs. Play your part in keeping your work place tidy – clear waste as it is generated, clean up spills and store materials safely. In extreme conditions stop work until actions are taken to make access ways safe. Always fix and report close calls, eg: poor underfoot conditions or access, unsafe stairs or walkways

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Manual handling	At all times	No	Correct lifting equipment and techniques. Use mechanical means where possible. Assess the load before lifting. Do not lift more than you are capable. Share the load when practical to do so
Access / egress from site  	At start and finish of shift	No	Use of designated crossing, access points and walking routes where applicable
Leptospirosis	At all times	No	Gloves to be worn at all times, hand washing and welfare facilities to be located on site for duration of the works
Noise / Occupational	When using power tools	No	Hearing protection to be worn when operating grinders, chainsaws, Stihl saws, strimmers, drills etc
Noise / environmental	Working in public area	No	Noise letters to be distributed to local residents as required. No shouting and swearing onsite and all non-essential plant to be switched off until required.
Excessive hours	At finish of shift	No	No working shift to exceed 14 hours, including travel. Monitor of hours worked in site register.
Working in the hours of darkness	During dark hours of nightshift	No	Task lighting to be set up during the hours of darkness to facilitate the works. Operatives to wear cap lamps when working in the hours of darkness
Works in darkness	During dark hours of nightshift	No	Sufficient lighting to all access points, worksites and walking routes. All operatives to wear personal head torches.
Ground conditions for RRV  	RRV operations	No	Approach road to on/off tracking point must be checked and deemed suitable prior to on/off tracking machine. Trailer and Box (landing areas) to be checked for suitability of load being placed.
Damage to infrastructure & plant during on/off tracking of RRV  	On & Off tracking RRV	No	Correct on/off tracking conditions as per COP007 to be used. Machine controller to supervise on/off tracking. On tracking point to be well illuminated. Terram and timber protection to infrastructure to be used as required.
Interface with public	At any potential time	No	Site boundaries: Defined boundaries physically, where necessary, by suitable fencing. The type of fencing should reflect the nature of the site and its surroundings. You must make sure objects cannot fall outside the site boundary. On scaffolds you can achieve this using toe-boards, brick guards and netting. Prevent people outside the boundary being struck while you are erecting, dismantling and using scaffolding and other access equipment. You can reduce the risks associated with the storage of materials by storing materials within the site perimeter, preferably in secure compounds or away from the perimeter fencing.
Use of chainsaws, strimmers and hedge trimmers, pole saws	Cutting & De-vegging	No	Trained and competent operatives only to use these items of tools. Chainsaw PPE to be worn. Railspec. Hi-viz over trousers. Chainsaw boots or wellies, gloves and helmet to be worn when cutting



			above waist height. Exclusion zone to be enforced around working area. Fuelling to be carried out on plant nappy, on level ground. IF IN DOUBT ASK!
Chippers	Chipping cut vegetation	No	PPE to be worn: safety helmet, Eye protection, hearing protection, Gloves with long, close-fitting cuffs that can be tucked into sleeves. Safety boots with good grip and ankle support, Non-snap outer clothing appropriate to the prevailing weather conditions. High-visibility clothing. Each person should carry a personal first-aid kit including a large wound dressing. Before working with a machine, check it has been properly converted from any transport mode. Ensure guards for dangerous parts (eg belts, pulleys, shafts etc.) are secure and undamaged. Ensure protective devices, such as the infeed control bar (incorporating the stopping device), are working correctly). Ensure any lock for the chipping components has been disengaged. Ensure the infeed hopper is clear of any materials. Ensure any noise warning signs are in place. Position the chipper so that operators do not have to stand on embankments/ slopes when feeding material into the machine.
Planning to work in a watercourse	Scour repairs	Yes	WPP to have been approved by both A Kane and J. Double . Amco Environmental team to have commented on requirements. Sepa approval as required or Marine Scotland if below high water mark. Environmental survey to have been carried out prior to commencing works. Carry out works as per approved WPP.
Security of plant and materials	In between shifts	No	Erect temporary secure compounds. Wherever possible, locks should comply with current British standards. Positioning of equipment such as extending hydraulic arms especially if this can be used to block in other smaller equipment.

3.2 Significant railway and construction risks

- 3.2.1 The following are the significant railway and construction safety and health risks that apply during this work package. A copy of the risk assessments associated with this WPP can be found in **Appendix 1**

What are the main risks (including Health) during this work package?	How will the risk be controlled?
Working on/near Network Rail managed infrastructure	A safe system of work will be established and maintained by ES/COSS, i.e. worksite within a possession of the railway or blockage of the line with isolation where necessary. All operatives will be PTS minimum certified and wear full orange PPE.

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Working in the vicinity of a public highway/public	Observe all highway rules (direction of traffic/bus lanes/etc.). Site vehicles to be parked responsibly without causing disruption to flow of traffic or blockage of accesses. Vehicle conspicuous Colour white/yellow. Beacons visible from 360 degrees. Beacons to be switched on at all times during manoeuvring from site to public roads.
3rd Party Interfaces	Be aware of pedestrians/vehicles that may be using the access point areas and the site. All members of the public are to be treated politely and courteously.
Weil's Disease	Identify locations and eliminate where possible. Carry Information card. Be aware of symptoms. Protect cuts and damaged skin. Wear appropriate PPE. Do not ingest. Personal hygiene. Inform GP if reporting 'flu symptoms.
Sharps	Identify possible locations. Remove into sharps box using appropriate PPE and equipment. Dispose of sharps box at agreed location. Instruction on procedure in event of cutting / puncture. Encourage the wound to bleed, prevent further contamination. Report to hospital, taking offending sharp with patient. Inform NR Sharps control on 01904 525 894.
Slips, trips or falls on same level	Identification and maintenance of dedicated access routes. Removal of tripping hazards. Safe storage of materials. Cleaning up spills. Removal of rubbish and debris to an approved location. Use of non-slip flooring. Repair worn or damaged walking surfaces.
Lack of site Knowledge	All operatives, NR Staff and visitors will receive a full site induction prior to being permitted on to the works areas. This will identify any hazards/risks associated with the works at site.
Vandalism	All sites are adequately signed and demarcated with suitable and sufficient barriers. Areas to be secured at all times outside normal working hours. Remove all valuables and potential hazards when out of use. No dangerous plant or materials to be left accessible when unattended.

3.3 Lifesaving rules and High Risk Areas

3.3.1 The following table highlights those Life Saving Rules applicable to this WPP





	✓ or X		✓ or X
	✓		✓
	✓		✓
	X		X
	✓		✓
	X		✓

3.3.2 The following table highlights those HRA's applicable to this WPP

Breaking Ground	Change Management	Confined Spaces	Electrical & Stored Energy	Fire & Hot Work
X	X	X	X	X
Lifting Activities	People & Plant	Railway Operations	Working at Height	Work Related Road Risk
X	✓	✓	X	X



4 Environmental and Waste Management Arrangements

4.1 Environmental management arrangements

4.1.1 The following environmental issues are applicable to this WPP

Environmental Issues	Project Control Measures	Environmental Consents and Permits
Management of oils and chemicals	<ul style="list-style-type: none"> All tanks shall be bunded in accordance with the oil storage regulations. Storage facilities shall be positioned at least 10m away from a watercourse Drip trays shall be used whilst refuelling. Containers shall be fit for purpose, labelled and have proper fitting lids. Containers and tanks shall be made secure against vandalism or theft Refuelling and concrete washout shall take place in a dedicated area at least 10m away from a watercourse Spill kits shall be kept on site in high risk areas and shall be appropriate to the risk and amount of oils and chemicals present 	
Management of silt	<ul style="list-style-type: none"> Consideration shall be given to the silt hierarchy where potential for silt/soil pollution on site i.e., 1-eliminating work within the water, 2- isolation of working area, 3- minimising soil/silt movement through choice of methodology or reducing veg strip; 4-controlling runoff/silty water using straw bales, sedimats, silt fences, etc? 	•
Dust, Noise, Odour	<ul style="list-style-type: none"> Dust from cutting or grinding to be suppressed using water Stockpiles of soil to be battered back Noise hierarchy to be followed in accordance with BS5228 – Eliminate, Substitute, Isolate, Control Hybrid or battery operated technology to be utilised Silenced plant to be used Screening to be used . 	•
Works affecting flora or fauna	<ul style="list-style-type: none"> Ecology survey to be undertaken and recommendations complied with Work to stop if protected species or nesting birds found and advice sought. 	•
Flood Risk Management	<ul style="list-style-type: none"> Monitoring of compliance with any permit / licence / consent affecting watercourses and flood risk Daily completion of the Permit to Work Within, Over, and Adjacent to a Watercourse (HS131) Review and communication of weather forecast, flood information and tide times. Use of national flood warning services: https://flood-warning-information.service.gov.uk/warnings Checking of any temporary works to ensure that they suitable and sufficient to cope with seasonal weather / river flows Measures to be established to prevent debris entering the watercourse which may pose a flood risk. 	•



	<ul style="list-style-type: none"> Where possible, materials, plant and other items shall be stored at least 10m from the watercourse edge or, preferably, off the flood plain altogether. 	
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4.2 Waste management arrangements

4.2.1 The following waste management arrangements are applicable to this WPP. All waste shall be reused or recycled in accordance with the Site Waste management Plan.

Waste type	How will it be stored?	Testing required prior to disposal	Waste classification	Reuse (R) onsite / Disposal off site (D)
General site waste	Depot Skip	Yes / No	Non Haz	D

5 Emergency Arrangements

5.1 Site emergency arrangements

Contact	Name or Location	Tel. Number
Ambulance, Fire	Various	999 (112 from Mobile)
BT Police	Control Centre	0800 405 040
Incident Controller	Network Rail	0141 335 2020
Gas	Nation Grid	0800 111 999
NR Sharps	Network Rail	01904 525 894
Scottish water	Emergency	0845 600 8855
Nearest A & E Hospital	Raigmore Hospital, Inverness, IV2 3UJ	01463 704 000
SEPA	Control Centre	0800 807 060
Flood line	National Flooding Helpline	0845 998 118
Spill response	Addler & Allan	0800 592 827

Reporting of Accidents, Incidents & Close Calls

All H&S Accidents, Major Environmental Incidents, Damage to Client or Utility Infrastructure and Rail Possession Irregularities are to be verbally reported as soon as practicable, to line management. Any Incident/Accident must be reported through the AMCO on-call as soon as site is safe and in a position to do so and or request your assistance to update NWR Control.

Person reporting to the AmcoGiffen 'On-Call Manager' to Check and Confirm the following:

- Who you are (Joe blogs),
- Your location (Example East Junction or near to SH20 (sierra, hotel, two, zero) signal
- Identify what has happened i.e. the accident/incident/significant close call
- What action needs to be taken i.e. Emergency Assistance, Emergency Line Block etc?
- Confirm whether this has been reported to NWR Control (Decide who will report this) Reporting to NWR must be within 2 hours of the event happening.
- Photographs to be taken of location



5.1.1 First aid arrangements

5.1.1.1 The first aid arrangements for this package of work are:

First aiders	Name	Qualifications
	A Connelly	First aid at work
Likely injuries associated with this work package	<ul style="list-style-type: none"> Cuts Abrasions Eye injuries Broken bones Sprains Burns 	
First aid equipment provision	Equipment	Location
	First Aid Kit	Welfare Van

A first Aid risk assessment can be found in Appendix 5 of the CPP.

5.1.2 Evacuation arrangements

5.1.2.1 Evacuation arrangements can be found in Appendix 6 of the CPP

5.1.3 Fire safety arrangements

5.1.3.1 A Fire Risk assessment can be found in Appendix 6 of the CPP.

5.1.4 Security arrangements

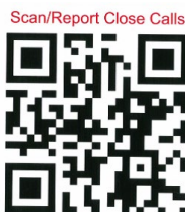
5.1.4.1 None required.

5.1.5 Environmental Emergencies

5.1.5.1 Extreme Weather and Flooding: *(state here the contingency and accident arrangements which are in place to minimise the impact of flooding)*

5.1.5.2 Oil Spill: Adopt the following procedure where safe to do so: STOP the source of the spill. CONTAIN the spill using available spill equipment. NOTIFY your Site Manager. CLEAN UP the spill and dispose of waste materials as a hazardous waste. If the spill is beyond your control, contact the 24hr emergency response contractor on 0800 592827.

5.1.5.3 Silt Incident: Adopt the following procedure where safe to do so: STOP the source of the silt disturbance where possible. CONTAIN the silt using resources on site (e.g., straw bales, sedimats, and creation of diversion drains). NOTIFY your Site Manager. CLEAN UP any silty water held and remove used silt mitigation measures once water quality has returned to normal.



5.1.6 Summoning emergency services

5.1.5.1 PIC/Supervisor on shift

5.1.7 Railway emergency (trains and electrical)

5.1.6.1

	Contact Details
ECO	N/A
Signal box	Refer to SWP
Protection Signals Ref	Refer to SWP

In the event of an emergency affecting the safety of the railway the following actions will be undertaken.

1. Do not place yourself or the safety of others in danger
2. The lead communicator on site will be one of the following people and in this order – PICOP > Route Setting Agent > Protection Controller > COSS or SWL or IWA.
3. In an emergency a train can be stopped by raising both arms in the air or at night by waving a light vigorously
4. In an emergency the signaller / ECO shall be contacted immediately via mobile phone or using the nearest signal post telephone.
 The lead communicator shall state (*using the phonetic alphabet to communicate any difficult words*) :
 - ‘This is an emergency call’
 - Confirm who you are speaking to the right person *ie usually the signaller or Electrical Control Operator (ECO)*
 - Tell them
 - who you are (*Joe bloggs*),
 - what you do (*ie COSS*); and
 - your location (for example *Shapton East Junction or near to SH20 (sierra, hotel, two, zero) signal*
 - Describe the problem and what part of the railway is affected *ie Down Main xx or Level crossing at yy*
 - Tell them what action needs to be taken *ie any emergency service required*
 - Ask the person to ‘repeat back’ the information
 - The Signaller or ECO shall end the conversation.

Access to the track shall be via the following rail access point

5.1.8 Asbestos

5.1.7.1 N/A

5.1.9 Utilities

5.1.8.1 X



Organisation	Contact details
Electricity	0800 048 3516
Gas	0800 912 1722
Telecoms	0800 023 2023
Water	08000 778 778

6 Work Package Arrangements

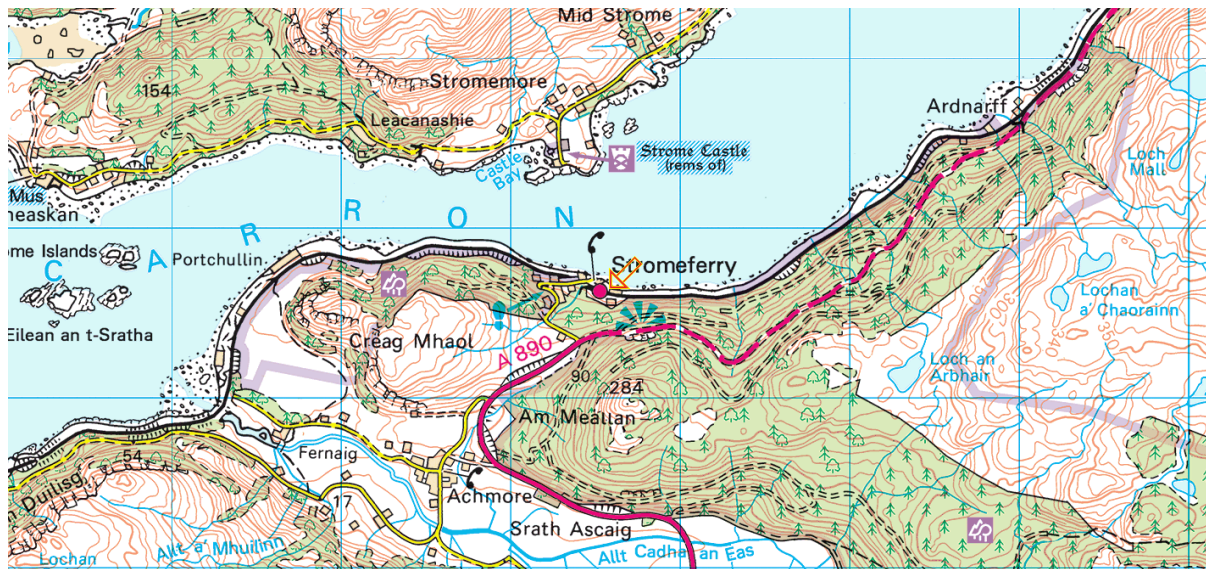
6.1 Site Layout

6.1.1 A site layout plan can be found in Appendix 3.

6.2 Access and Egress

6.2.1 Access at Strome ferry RRAP.





6.3 Welfare

6.3.1 AMCO shall comply with the requirements of the Network Rail Welfare Standard NR/L3/INI/CP0036 Appendices A & B. Details on site welfare provision can be found in Appendix 3 of the CPP.

Assessment Matrix

No. of Persons	No. of work periods (consecutive shifts, days or nights)						1	2	>2
	1	2	3	4	5	6	Week	Weeks	Weeks
1	A	A	B	B	B	B	B	B	B
2	A	A	B	B	B	B	B	C	C
3	A	A	B	B	B	B	C	C	C
4	A	B	B	C	C	C	C	C	C
5	A	B	B	C	C	C	C	C	C
6	A	B	B	C	C	C	C	C	C
7	A	B	C	C	C	C	C	C	C
8	A	B	C	C	C	C	C	C	C
9	B	B	C	C	C	C	C	C	C
10	B	C	C	C	C	C	C	C	C
11+	C	C	C	C	C	C	C	C	C

KEY

Category A: Transient site. Arrange for sufficient and suitable local facilities to be used. These may be public or private facilities, e.g. NR stations/depots/buildings/signal boxes, garages and shops.

Category B: Transient site. Arrange for suitable and sufficient temporary welfare facilities, e.g. welfare vehicles.

Category C: Non-Transient site. Establish a site cabin with fixed welfare facilities, car parking, traffic management, site access control, etc.

Note 1 The overall travel time to any toilet provision shall be not more than 20 min from the point of work, but ideally within 10 min



Note 2 In certain circumstances local facilities, if suitable, permanently available and by agreement, may be preferable to temporary site welfare facilities.

6.4 Rail Traffic Management

6.4.1 Refer to the SWP.

6.5 Road Traffic Management

6.5.1 **X**

7 Hand Over and Hand Back Arrangements

7.1 Hand over and hand back arrangements

7.1.1 COSS to sign out of ES worksite. ES to hand back possession to PICOP to confirm line is clear of plant and materials and is safe for traffic.



Appendix 1 – Risk Assessment

Control of activity risks

The table identifies particular hazards and risks that may be present during the works. Toolbox talks will be given where on these risks are deemed necessary but at a rate of not less than one per week. Weekly site audits will be undertaken by the Site Supervisor / Site Manager.

PREPARED BY:	T Inglis	DATE PREPARED:	29/05/2023	OVERALL RISK	
SEVERITY		PROBABILITY		RISK	
LOW	1	NOT LIKELY	1	LOW	1 TO 6
SLIGHT - FIRST AID TREATMENT	2	POSSIBLE - OTHER FACTORS NEEDED BUT NOT LIKELY	2	MEDIUM	7 TO 15
MODERATE - OVER 3 DAYS INJURY	3	QUITE POSSIBLE - OTHER FACTORS NEEDED - LIKELY	3	HIGH	16 TO 25
HIGH - MAJOR INJURY / DEATH	4	LIKELY - OTHER FACTORS THEN WILL HAPPEN	4	Severity multiplied by probability	
VERY HIGH - MULTIPLE DEATH	5	VERY LIKELY - WAITING TO HAPPEN	5		

Applicable Tasks	
1.	Rock armour install
2.	
3.	

If there are any further hazards identified when arriving on site or at any point during the works the supervisor must complete the POWRA booklet and contact the on call manager is discuss before proceeding.

Hazard	Hazard outcome	S	P	Initial Risk	Risk control measures	AMCO Ref	Residual Risk	Applicable Tasks			
								1	2	3	4
Working in a Railway Environment	Fatal or Major Injury	5	4	20	<ul style="list-style-type: none"> Green Zone working. Wearing of correct PPE. COSS Briefings. Use of competent staff and adequate supervision. 		5	✓			



Hazard	Hazard outcome	S	P	Initial Risk	Risk control measures	AMCO Ref	Residual Risk	Applicable Tasks			
								1	2	3	4
					<ul style="list-style-type: none"> Adherence to Rule Book and work package plan requirements. TVP Planned and COSS to be with Visitor at all times. 						
Changes in conditions that affect your safe system work Falling / failing light Darkness Fog Mist Snow Heavy Rain Reduced / reduction of sighting Restricted Clearance Entering Red Zone Working Prohibited areas Loss of Communication with office/signal box	Death Serious injury Injury	4	3	12	If SSOW is no longer safe or useable due to changes in the working environment then: <ul style="list-style-type: none"> Stop Move to a position of safety Set up new safer system of work or Leave activity and site Think – have the conditions changed and has the risk increased? Review your risk assessment and use POWRA to manage change where appropriate. Act – make sure your workplace is tidy, you have the appropriate clothing for the conditions and role and that you have assessed the driving conditions. Prevent – if you feel that your safety or the safety of others around you is compromised, speak to your ROES, your Supervisor or the H&S Advisor. Scaffolding should be inspected each time it is exposed to conditions likely to cause deterioration e.g. following adverse weather conditions or following substantial alteration. 		3	✓			
Falling into previously unrecorded drainage features Open chambers Ditches Drains Culverts	Serious injury, Injury	3	4	12	<ul style="list-style-type: none"> Staff awareness Precautionary approach Review of all previous records Request information from client relating to hazards Avoid entering dense vegetation Presence of hydrophilic plants / wets areas often 		6	✓			



Hazard	Hazard outcome	S	P	Initial Risk	Risk control measures	AMCO Ref	Residual Risk	Applicable Tasks			
								1	2	3	4
					indicate failed or missing drainage features <ul style="list-style-type: none"> Land topographic features may give clues to drainage presence 						
Working in cold weather	Serious injury Minor injury	4	4	16	<ul style="list-style-type: none"> Walking anywhere during the cold and icy weather requires extra care to avoid slipping and falling. Make sure you pay attention to good housekeeping and keep pathways and steps as clear as possible to allow safe access to buildings and around the sites. Ensure there is adequate lighting provided around the site and is kept maintained at all times. Ensure there is an adequate supply of rock salt available to grit walking routes etc. Wear warm clothing - thermals, warm socks, hats, scarves etc. Wear waterproof clothing if the weather is wet. This will prevent you getting wet and therefore keep you warmer. The waterproofs generally act as wind-proofing as well. Warm up before you start work. This should be done at least 15 minutes before you start work. Check the treads on your boots, have they got any and do your boots support your ankles. If not get a pair that do. Wear warm gloves. Fingerless gloves will still provide your hands with warmth if you need to carry out precision work. Warm drinks - Keep yourself warm from the inside out. 		4	✓			



Hazard	Hazard outcome	S	P	Initial Risk	Risk control measures	AMCO Ref	Residual Risk	Applicable Tasks			
								1	2	3	4
Travelling in cold weather	Death serious injury minor injury	5	4	20	<ul style="list-style-type: none"> Check weather forecasts before travelling and unless really necessary postpone your journey. Allow extra time for your journey. Ensure your vehicle is prepared for your journey. 		4	✓			
Struck by a train Walking adjacent to/along the operational railway Working on Or near the line Lone working Working as part of a group Visitors to the infrastructure Accessing infrastructure from track level	Multiple death Death Serious injury Injury Minor injury Near Miss	5	4	20	<ul style="list-style-type: none"> Only PTS staff to be used as a minimum standard Network Rail PTS and other track competency training and specification with the Rule Book/PTS Handbook relevant to the activity to be compiled with at all times. Use approved Safe System of Work (SSOW) for rail work. Use approved walking routes. Access site via safe authorised accesses. HV clothing (Orange Rail Approved) and other PPE to be worn at all times 		5	✓			
Working with hand tools (vibration)	Reportable or minor Injury	3	4	12	<ul style="list-style-type: none"> Identification and use of tools lowest HAV characteristics. Use HAVS register to record time on equipment. Wearing of gloves and correct PPE for the task. Maintenance of tools. Rotation of workforce to reduce exposure times. Maintenance of exposure records. Health surveillance for personnel at risk. 		3	✓			
Working with hand tools (noise)	Noise induced deafness	3	4	12	<ul style="list-style-type: none"> Identification and use of noise reduced power tools. Regular maintenance. Sharp cutting edges on attachments. Use of appropriate hearing protection and compatible PPE for the task. 		3	✓			



Hazard	Hazard outcome	S	P	Initial Risk	Risk control measures	AMCO Ref	Residual Risk	Applicable Tasks			
								1	2	3	4
					<ul style="list-style-type: none"> Rotation of workforce using tools to reduce exposure times. Identification and establishment of noise hazard areas. 						
Working with hand tools (electrocution)	Reportable or minor Injury	2	3	6	<ul style="list-style-type: none"> Use battery power where practicable. Use 110v as the alternative. Ensure PAT is in date. Check for damage before use. Protect cable and keep out of water. Do not use if damaged and report to manager. 		2	✓			
Slips, trips or falls on same level	Reportable or minor Injury	3	3	9	<ul style="list-style-type: none"> Identification and maintenance of dedicated access routes. Removal of tripping hazards. Safe storage of materials. Cleaning up spills. Removal of rubbish and debris to an approved location. Use of non-slip flooring. Repair worn or damaged walking surfaces. 		3	✓			
Repetitive strain injury	Reportable or minor Injury	3	3	9	<ul style="list-style-type: none"> Eliminate by design. Mechanise where practicable. Train personnel in risk control measures. Rotation of workforce to reduce exposure. Task breaks to reduce exposure. Reduce repetitive tasks. 		3	✓			
Using defective or inappropriate tools	Reportable or minor Injury	3	3	9	<ul style="list-style-type: none"> Regular inspection and maintenance. Remove damaged or faulty tools from service. Select and use appropriate tools for the task. Use of appropriate PPE. 		3	✓			
Working within the hours of darkness or in unlit areas	Reportable or minor Injury	3	3	9	<ul style="list-style-type: none"> Maintain clear access. Eliminate trip hazards. Adequate task lighting and background lighting. Use of torches or cap lamps. 		6	✓			



Work Package Plan – [NR Project Name & Number] – Draft/Issue #



Hazard	Hazard outcome	S	P	Initial Risk	Risk control measures	AMCO Ref	Residual Risk	Applicable Tasks			
								1	2	3	4
					<ul style="list-style-type: none"> A pre use safety inspection is to be performed before use. All defected tools are to be taken out of service and returned to the Site Manager. All work areas to be inspected before use for any potential trip hazards. All work zones to be fenced off to control any unwanted entry. Warning signage to be in place with the recommended PPE on. Ear / eye protection and masks to be worn i.e. ear muffs / ear plugs. Ensure all PPE issued is being worn / used. All equipment to be silenced, serviced and in good condition 						
Lorries tipping on-site	Fatal or Major Injury	5	4	20	<ul style="list-style-type: none"> Make sure that everyone is aware tipping is about to happen and only those people involved in the tipping are in the immediate area. Tipping sites should be: level, firm and stable (the whole site must be able to hold the vehicle and the load during tipping, clear overhead (there must be no power cables or pipe work) Articulated vehicles must be tipped with the cab and trailer in line. The vehicle should remain level at all times, even if it is being driven forward during tipping. Make sure that the tailgate is released and then locked open or removed completely, before tipping starts. Never allow anyone to stand or walk behind the vehicle when the body is raised or during tipping. 		5	✓			



Work Package Plan – [NR Project Name & Number] – Draft/Issue #



Hazard	Hazard outcome	S	P	Initial Risk	Risk control measures	AMCO Ref	Residual Risk	Applicable Tasks			
								1	2	3	4
Construction and work sites Supervising contractors/site staff Accessing sites through others works sites					<ul style="list-style-type: none"> Avoid entering areas where plant and machinery in operation Keep clear of on-track and other plant and do not ride in or on machines or plant Awareness and vigilance Do not undertake any tasks that prevent you looking up and detecting approaching plant or machines 						
RRV Failing whilst on track	Fatal or major injury	5	4	20	<ul style="list-style-type: none"> Pre checks to be carried out. Fitter to attend site at all times. CC to control movements of RRV and checks of tracking area pre and post. If RRV fails on site and it is then subsequently repaired it will be off tracked and no further work will take place during that shift with that machine out with making the track safe for the passage of trains. If the machine is being used on the following shift reassurance must be given from the hirer that the machine has been thoroughly checked beforehand and that it is fit for purpose. 		5	✓			
Working on or over water	Fatal or Major Injury	4	3	12	<ul style="list-style-type: none"> Use of safety nets. Lifelines, rescue buoys, safety boat, trained rescue personnel if applicable. Emergency preparedness and fall recovery procedure. Trained first aiders. SEPA informed if required. Permit to work in watercourse. 		4	✓			
Working near water	Reportable or minor Injury	3	3	9	<ul style="list-style-type: none"> Awareness of hazardous flora and fauna. Correct PPE. Use of insect repellents. Adherence to Weill's Disease procedures. Prevent access/ contact with water. 		3	✓			



Hazard	Hazard outcome	S	P	Initial Risk	Risk control measures	AMCO Ref	Residual Risk	Applicable Tasks			
								1	2	3	4
Slips trips while wearing wellington boots	Reportable or minor Injury	3	4	12	<ul style="list-style-type: none"> Wear correct size of boots. Ensure treads are not worn. Steel toe capped and steel shanked mid-sole. Don't drive with them on. Not perished. Stored in the proper manner ie standing up away from oil, grease and fuel. Make sure worn on correct feet. 		2	✓			
Use of chainsaw	Fatal or major injury	5	3	15	<ul style="list-style-type: none"> Competent & Certified operatives with NPTC competency for appropriate scope of works. Experienced tree workers for more considerable tasks. Operatives utilising chainsaw will wear appropriate noise protection and chain saw protective clothing, boots, overalls, visor, gloves. All operations will be carried out in compliance with current legislation and limits regarding Hand Arm Vibration. Please refer to exposure limits sheet for the particular item of plant. Record all exposure/ trigger times into HAVS register. – 		5	✓			
Working on Slippery Ground	Reportable or minor Injury	3	4	12	<ul style="list-style-type: none"> Eliminate condition where possible grade out uneven land, drain off standing water.) Extra care particularly on slopes. Adequate Safety Footwear to be worn at all times. Remove trip obstructions. 		5	✓			
Working on inclined ground	Reportable or minor Injury	3	4	12	<ul style="list-style-type: none"> Identify alternative access. Identify safe working locations. Consider installing steps, safety barriers or fall protection. Secure plant and equipment from slipping. 		3	✓			

Work Package Plan – [NR Project Name & Number] – Draft/Issue #



Hazard	Hazard outcome	S	P	Initial Risk	Risk control measures	AMCO Ref	Residual Risk	Applicable Tasks			
								1	2	3	4
Ground worker being struck by slewing excavator causing crush injury or fatality or Ground workers being struck by material being lifted by excavator	Fatal or major injury	5	4	20	<ul style="list-style-type: none"> Machine operators CPCS trained and competent. No unauthorised personnel allowed within operations. Workers to wear hi visibility vests and helmets at all times. Workers to keep clear of moving excavator at all times and not to approach until signalled by excavator operator. Keep out of swing radius of machine. Ancillary devices to be fully operational. Hazard beacons lights on at times of operation. No use of mobile phones when operating plant. Fire extinguishers in cabin. Remove keys and secure plant when not in use. Operators to access egress from plant using the steps provided and must maintain contact with the vehicle at all times. Where possible no works will be undertaking next to excavations. Fencing, signage, bunds and or block stops to be placed around excavations to prevent plant entering excavations. 		7	✓			
Quick Hitch & Other Mechanical Failure	Fatal or major injury	5	3	15	<ul style="list-style-type: none"> All Excavator Operators to have attended "Changing Bucket and Attachments Course" and Issued with Training Card, the associated CPCS training and certification. All quick hitches fitted with manual safety bar. Safety bar must be inserted before use of buckets or attachments. All quick hitches to have valid 6 month inspection certification in machine file. All Excavator Operators to do pre-daily checks on quick hitch, excavator and excavator accessories. 		5	✓			



Hazard	Hazard outcome	S	P	Initial Risk	Risk control measures	AMCO Ref	Residual Risk	Applicable Tasks			
								1	2	3	4
					<ul style="list-style-type: none"> Any defects or concern with quick hitch cease all operations with machine and report concerns to Site Management. Quick hitches to be greased as per manufacturers recommendations. All excavators must have quick hitch manual in cab of machine. The bucket is to be changed in an excluded area. Ensure no persons work under bucket or attachments fitted to quick hitch at any time. All buckets and attachments when not in use are to be stored in a safe secure area. 						
Engulfment, injuries, fire.	Fatal or Major Injury	3	2	6	<ul style="list-style-type: none"> Fire extinguisher in each machine. Emergency drill will be practiced and familiarised on site during work activities at a time to be decided by the Principal Contractor. First aiders available on site. Emergency telephone numbers will be distributed to all on site in TBS 		2	✓			
Working in or alongside watercourses Falling into river Vermin around river Unexpected flooding	Major or Reportable Injury	3	2	6	<ul style="list-style-type: none"> Suitable welfare facilities. Operatives to be aware of good hygiene practises. Information to operatives about the effects/symptoms of Leptospirosis. Scaffold barrier to be placed at water's edge to prevent accidental access to waterside. Carry out a COSHH assessment where exposure to biological agents. Ensure cuts and abrasions are cleaned immediately. 		4	✓			



First Aid – Site Risk Assessment

CONTRACT NAME:	SCOAM18			CONTRACT NO:	MSC 7742		
WORK ACTIVITY:	Stromeferry – Sea defence						
HAZARD	HAZARD OUTCOME	SEVERITY	PROBABILITY	INITIAL RISK	RISK CONTROL AND MINIMUMISATION MEASURES	PROCEDURES	RESIDUAL RISK
First Aider not available on site	No First Aid administered to injured party may affect the outcome for the injured person and recovery time. Liable to prosecution.	3	2	6	It is envisaged that there will be no more than 10 employees on site at any one time, therefore, 1 first aider and 1 first aid kit will be sufficient. However, if site conditions change it may be necessary to increase the amount of first aiders and first aid boxes. Examples of this below: - hazardous activities on site such as COSHH, confined spaces, working at height - Cover for First Aider absence sickness / holidays - Cover for weekend shifts.	HS69 – First Aid	2
First Aider not within the vicinity of injured person or contactable.	Delayed first aid response to injury may affect the outcome for the injured person	4	2	8	No lone working and worksite is small, therefore, 1 first aider and 1 first aid box will be sufficient.		2

First Aider not having relevant skills for the injury	No or incorrect first aid may affect the outcome for the injured person	4	2	8	No specialist knowledge is required for first aider. Procedure for contacting emergency services for serious injuries to be in place.		2
First Aid boxes not in correct location or stocked adequately	Risk to both the First Aider and injured person	4	2	8	Ensure that First Aid Kits are checked by a nominated person on a weekly basis. Ensure suitable protection available for First Aider – Gloves and mouth guards Ensure first aid kit is relevant to the tasks carried out in the location and numbers of personnel.		2
Slips, trips and falls	Minor injury	3	3	9	1 x first aider + 1 x first aid kit per 25 persons		3



Manual Handling – Site Risk Assessment

Contract: MSC 7742	Assessment No. 01
Location: Attadale – Stromeferry	Date: 29/05/2023

Site supervisor to add unforeseen operations to assessment as required.

Operations covered by this assessment					
Carrying small plant, tools and materials to worksite					
Section A - Preliminary assessment					
Q1. Do the operations involve a significant risk of injury?					a.1 NO
If Yes or unsure go to question 2 If No go straight to section C					
Q2. Can the operation reasonably be avoided or mechanised?					a.2 NO
If No Complete section B (detailed assessment) and check result is satisfactory If Yes go straight to section C					
Section C - Overall assessment					
What is the overall assessment of risk of injury					Low
If Not Insignificant go to section D, If Insignificant no further action required.					
Section D - Remedial action required					
Ensure access and worksite has all trip hazards remove before manual handling operations begin					
Level off all lumps and bumps or find another route which bypasses especially rough ground					
Do not try to carry too many items at once. If load especially heavy break down into smaller individual loads					
Bend knees/straight back when lowering load to ground					
See Risk Assessment below.					
SECTION B - Detailed assessment					
Points to consider		Level of Risk			Possible remedial action
		Lo w	Me d	Hig h	
The Tasks - do they involve:					
• Holding loads away from trunk?	no	x			Use wheelbarrow or other lifting/carrying aids
• Twisting?	no	x			
• Stooping?	no	x			Bend knees when placing load



• Reaching upwards?	no	x			Share load
• Large vertical movement?	no	x			Share load
• Strenuous pushing or pulling?	no	x			Share load
• Unpredictable movement or loads?	no	x			Ensure load is stable before lifting
• Repetitive handling?	no	x			Share the work
• Insufficient rest or recovery?	no	x			Rest breaks
• An imposed work rate?	no	x			Work to individuals strengths
The Loads - are they:					
• Heavy?	no		x		Share or use mechanical aids
• Bulky/unwieldy?	no		x		Can load be broken down
• Difficult to grasp?	no		x		Share or use wheelbarrow
• Unstable/unpredictable?	no	x			Can load be broken down into smaller parts
• Intrinsically harmful (e.g. sharp/hot)?	no	x			Correct PPE eg appropriate gloves. Do not carry hot loads
The Working environment - are there:					
• Constraints on posture?	no	x			Share load
• Constraints on movement?	no	x			Share load use wheelbarrow
• Poor floors?	yes		x		Ensure any trip hazards are evened out/removed from route
• Variations in levels?	yes			x	Personal awareness of surroundings. Even out lumps and bumps
• Hot/cold/humid conditions?	no			x	Operatives to be dressed appropriately for the weather conditions
• Strong air movements?	no		x		Do not carry large sheet items if windy
• Poor lighting conditions?	no				Appropriate task lighting and well lit routes to site
Individual capability - does the job:					
• Require unusual capability?	no	x			Re assess whether load can be split
• Hazard those with a health problem?	yes	x			Ensure any illnesses are identified at start of shift
• Call for special information/training?	no	x			Identify risks involved, can task be done a different way. If not what info/training is required



Other factors					
• Is movement or posture hindered by clothing or PPE?	yes	x			Ensure loose/bulky items of clothing are removed/tucked in.

Assessment carried out by: **T Inglis**.....

Signed: *Tinglis*.....

Correct Lifting Techniques

Plan lift

- Ensure that you are wearing suitable footwear and appropriate clothing for lifting.
- Consider the destination.
- Examine Load - Is help required with the load?
- 4. Can it be reduced in size?
- 5. Make sure area is free from clutter.

Place the Feet

- Approximately shoulder width apart.
- Face the direction intended.
- Leading leg forward.
- Heaviest part of load towards you.

Adopt good posture

- Slight bending of the back, hips and knees.

Move the Load

- Lift load to waist height.
- Move slowly to avoid jerky movements.
- Keep close to load.
- Maintain your vision.

Note: Always test the load before attempting to lift whilst keeping the body in its natural position' – if in doubt seek assistance.



Lifesaving Rules

NetworkRail



Our Lifesaving Rules

Safe behaviour is a requirement of working for Network Rail.
 These Rules are in place to keep us safe and must never be broken.
 We will all personally intervene if we feel a situation or behaviour might be unsafe.

Working responsibly

-  Always be sure the required plans and permits are in place, before you start a job or go on or near the line.
-  Always use equipment that is fit for its intended purpose.
-  Never undertake any job unless you have been trained and assessed as competent.
-  Never work or drive while under the influence of drugs or alcohol.

Working with electricity

-  Always test before applying earths or straps.
-  Never assume equipment is isolated – always test before touch.

Driving

-  Never use a hand-held or hands-free phone, or programme any other mobile device, while driving.
-  Always obey the speed limit and wear a seat belt.

Working at height

-  Always use a safety harness when working at height, unless other protection is in place.

Working with moving equipment

-  Never enter the agreed exclusion zone, unless directed to by the person in charge.

We will always comply with our Lifesaving Rules

For more information about our Lifesaving Rules go to safety.networkrail.co.uk/LSR





Appendix 2 – Drawings

X



Appendix 3 – Site Layout Plan





Appendix 4 – Photographs



Photo 8: View at start of monitored section in Section 2 (14/05/23)