



**Site supervisor to undertake a hazard review on site prior to works commencing to ensure that SWP & WPP are reflective of the conditions and hazards on site. This is to include walking route to/from site and conditions at the work area.**

**Checks are to be formally recorded within POWRA.**

**Prepared by:**

**Adam Ovenden** .....20/10/23.....Date

(Print Name) [Redacted]

(Signature) **Supervisor**

(Job Title)

**Approved by the Contractor's Responsible Engineer (CRE):**

.....Date

(Print Name)

(Signature)

(Job Title)

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

## Work Package Plan

**Med Risk**

<b>Job No.</b>	<b>MSC8598</b>
<b>Location</b>	<b>Queens Viaduct, Irvine</b>
<b>ELR / Mileage</b>	AYR4162/021 28M 880Yds
<b>Grid Reference</b>	<b>NS3122939869</b>

### Scour Repairs

**Start Date: 01/06/24**

**Finish Date: 07/07/24**

**Work Package Plan Number:**

**WPP No: 8598.162.021 Rev 1**

**Controlled Copy Number**

**Unique No: 01**

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

**Unique No: SCOAM18**

This document is the property of [Amalgamated Construction Ltd / Giffen Group Ltd](#), the [Principal Contractor](#) or [Contractor](#) on the project.

Controlled copies will have a controlled copy number shown in **RED**. Any variation will be regarded as uncontrolled for information only.

The responsibility for the health, safety and environmental management of the Works rests fully and unreservedly with the [Amalgamated Construction Ltd / Giffen Group Ltd](#). The acceptance of a Work Package Plan on behalf of Network Rail and involvement in Studies or Audits does not in any way absolve [Amalgamated Construction Ltd / Giffen Group Ltd](#) from that accountability and responsibility, nor is it intended to confirm or suggest that [Amalgamated Construction Ltd / Giffen Group Ltd](#) fully meets the statutory requirements



**DISTRIBUTION LIST**

ISSUED TO:	JOB TITLE	ORGANISATION	VERSION
TBC	Document controller	Amco – Giffen	04
G. Armstrong	CRE Civils – Site Agent	Amco – Giffen	04
A. Ovenden	Site Supervisor	Amco – Giffen	04
S. Todd	Site Supervisor	Amco – Giffen	04

**VERSION CONTROL**

REVISION NUMBER	SUMMARY OF CHANGES
Draft	
01	
02	

**SEGREGATION ASSESMENT**

<b>Segregated</b>	Yes / <b>No</b>
<b>Responsible Manager</b>	Name: Adam Ovenden Signature: [Redacted]
<b>COSS Certified Site Controller</b>	Name: Signature: PTS No:
<b>Appointed Site Controller</b>	Name: N/A
<b>Segregation</b>	Permanent physical Barrier / Fixed temporary physical barrier / Temporary portable barrier / Site Warden
<b>Segregation Comments</b>	<i>Works will be carried out under possession working</i>



**CONTENTS**

<b>1 Introduction</b>	<b>5</b>
1.1 Brief outline of work methodology	5
1.2 AMCO's delivery organisation	8
1.3 Resources	9
<b>2 Working Together</b>	<b>9</b>
2.1 At site communication	9
2.2 Contact details	10
2.3 Other parties involved with the package of work (interfaces details)	10
<b>3 Hazard Management</b>	<b>10</b>
3.1 Work involving particular risks	10
3.2 Significant railway and construction risks	11
3.3 Lifesaving rules and High Risk Areas	15
<b>4 Environmental and Waste Management Arrangements</b>	<b>16</b>
4.1 Environmental management arrangements	16
4.2 Waste management arrangements	16
<b>5 Emergency Arrangements</b>	<b>17</b>
5.1 Site emergency arrangements	17
5.1.1 First aid arrangements	15
5.1.2 Evacuation arrangements	15
5.1.3 Fire safety arrangements	15
5.1.4 Security arrangements	15
5.1.5 Environmental Emergencies	15
5.1.6 Summoning emergency services	15
5.1.7 Railway emergency (trains and electrical)	15
5.1.8 Asbestos	16
5.1.9 Utilities	16
<b>6 Work Package Arrangements</b>	<b>17</b>
6.1 Site Layout	17
6.2 Access and Egress	17
6.3 Welfare	17
6.4 Rail Traffic Management	19
6.5 Road Traffic Management	19

**APPENDICES – Supporting information**

**Appendix 1 – Site Layout**

**Appendix 2 – Risk Assessment**

**Appendix 3 – Subcontractor RAMS**



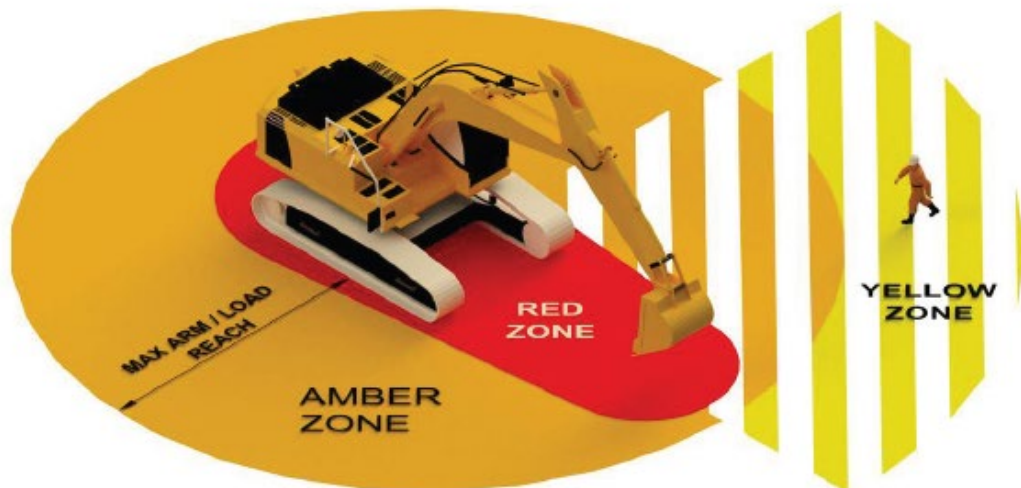
# AMCO·GIFFEN



## People Vehicle Plant Interface

# DO YOU KNOW YOUR SAFE ZONES?

### 360 Tracked Excavator



#### Plant Interface Zones

##### Yellow Zone

The Excavator Banksman (EB) or Machine Controller (MC) must remain within this zone to be able to direct the plant operator. All personnel approaching operating plant must do so from this zone to gain visual contact with the plant operator and authorisation from the EB or MC before entering Plant Interface Zones.

##### Amber Zone

Entry prohibited until positive visual contact is confirmed by the plant operator (e.g. thumbs up), authorisation from the EB / MC, the dipper arm / hydraulics are grounded, the machine is immobilised using the safety lever and the engine is switched off.

Where work in the amber zone is unavoidable a robust, task specific, safe system of work must be produced which minimises the time spent within the zone and includes detailed controls for communication between the machine operator and the EB / MC.

##### Red Zone

Entry prohibited unless the machine is completely isolated, the engine is switched off and a specific safe system of work is in place that prevents the machine being operated either inadvertently or deliberately.

##### Hatched Zone

Denotes typical sight lines of the plant operator



**Safety | Professionalism | Innovation | Respect | Integrity | Teamwork**



## 1 Introduction

### 1.1 Brief outline of work methodology

#### MSC4671 -

#### **Work Details / Remit – 23/24 Scour Repairs & Preventative Action –**

*Scour hole in the bed adjacent to the recently installed pitching stone bag (upstream of Pier 5) requires to be remediated- current scour score 15.92. Solution must not create an obstruction in watercourse which will cause a turbulent environment or protrude above normal conditions water level. Solution to be agreed with Asset Management prior to implementation. Marine Scotland license will be required.  
 (OPEX, POLICY TARGET X)*

#### **Authorising works commencement**

Site operatives will sign in to attendance register.

*The site supervisor will carry out a site specific briefing to the workforce prior commencing works including:*

- Work scope
- Whiteboard brief
- Location of emergency equipment
- NWR Site Hazard Map
- Known Hazards
- Welfare provisions & Locations
- **Check Competencies**

Site supervisor will confirm competencies, certification of plant and inspection of tools/plant prior commencement. The AMCO site supervisor must be on site at all times when works are taking place.

**The site supervisor is to undertake a hazard review on site prior to works commencing to ensure that the WPP and SWP are reflective of the conditions and hazards at site. This is to include walking routes to/from the site and at place of works. This hazard assessment is to be formally recorded on POWRA. The supervisor will communicate this to you and how any further control measures required will be implemented and maintained and this will be recorded on POWRA.**

Access to the worksite will be made via Old Bogside Station, Irvine KA12 8SN.

#### **Safeguarded Possession Working:**

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.

#### **Safeguarded Isolation Working:**

The ES/COSS will inform Nominated person to undertake isolation.  
 Nominated person and Earthing assistant will undertake OHLE isolation.  
 Nominated person will issue C-Permit to ES/COSS to confirm isolation is in place.  
 ES/COSS will then brief contents of SWP and to Work party including limitations.



ES/COSS will give permission to the Supervisor to access the track as per limitations in COSS brief.

**Use of a RRV Crane**

POS Rep to confirm the RRAP and track Cant and gradient is suitable for RRV Crane.

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/CC to control all RRV Crane movements.

Exclusion zone to be established around RRV Crane and maintained when moving to the work area and while working on site

**People, Plant Interface – Orange Zone**

Full segregation of people and plant

People to be restricted to the plant safe zone by demarcation that denotes the zone

A robust Safe System of Work required

Increased supervision and measures to prevent unauthorised access

**Lifting Operations – Removal of Aqua Bags/Installation of Rockrolls:**

Appointed person to complete/authorise lift plan for lifting operations.

Site Supervisor is to be in possession of Approved lift plan prior to any lifting operations.

Slinger/Signaller to assess condition of Plant and material, determine correct units as detailed within lift plan and confirmed fit for use prior to permitting lifting operations to go ahead.

Site Supervisor to establish exclusion zone around lifting operations with banksman in place to control vehicle movements.

All lifting operations to be controlled by slinger/signaller.

**Working Over and in a Watercourse:**

Site Supervisor to issue Permit to Work Over and in Water. This will be for works carried out over the water course. For works that require working in a watercourse, 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 Dive suits as is appropriate. The Dive suits will be cleaned before entry to prevent contamination before works commence. **NOTE: Follow Check, Clean, Dry procedure on access/egress to the watercourse.**





Prior to works commencement, the Site Supervisor/COSS will brief the contents of the WPP and SWP including access/egress arrangements and associated hazards. The work party will then sign to accept this brief.

The Site Supervisor will set up task lighting throughout the access point, highlighting any hazards within this area. Once this has been actioned and is deemed fit for purpose, access will then commence.

Prior to the possession, the site Supervisor will carry take water samples from upstream and downstream and record the findings on the permit to work in a watercourse, Once this has been actioned the Site Supervisor will then complete the permit to work over a watercourse.

Once the possession/isolation has been granted and the C-Form issued, entrance to the track will now be made.

The RRV will access via Byres Hill RRAP. The RRV crane will have all relevant checks carried out and competencies checked, the machine will be on tracked and loaded with materials, it will then head to the structure.

**Hold Point – only the machine and machine operator will be accessing at this point. No authorised personnel will be at accessing this point. All machine movements will be controlled by the machine controller.**

The rescue boat will be launched from the allocated section of the slip by the rugby club and head for the structure.

On arrival to site the Supervisor will set up task lighting and test for suitability.

On arrival of the RRV to the worksite, the RRV will be stood in a static position outside of the work area. The Site Supervisor and Machine Controller will liaise and create a suitable exclusion zone. On agreeing the exclusion zone, the remaining work group will be paled into a position of safety away from the machine. The RRV will then move into the work area and the exclusion zone created. This will in the form of cones and hazard tape. Once created this will be tested for suitability. Once tested this will be briefed to the workgroup.

**Hold Point – If the exclusion cannot be maintained, then works will cease with immediate effect and the exclusion zone re-assessed. Only when the exclusion has been re-assessed as is deemed fit for purpose, works can re-commence.**

The lift plan will then be checked for suitability. Once deemed fit, works will commence.

With the rescue boat in place below and utilising the crane, the aqua rock bags will be removed from the scour hole on pier 5. These will be placed onto the trailer ready for removal from site.



Displaced aqua rock bag to be removed and replaced with rock rolls



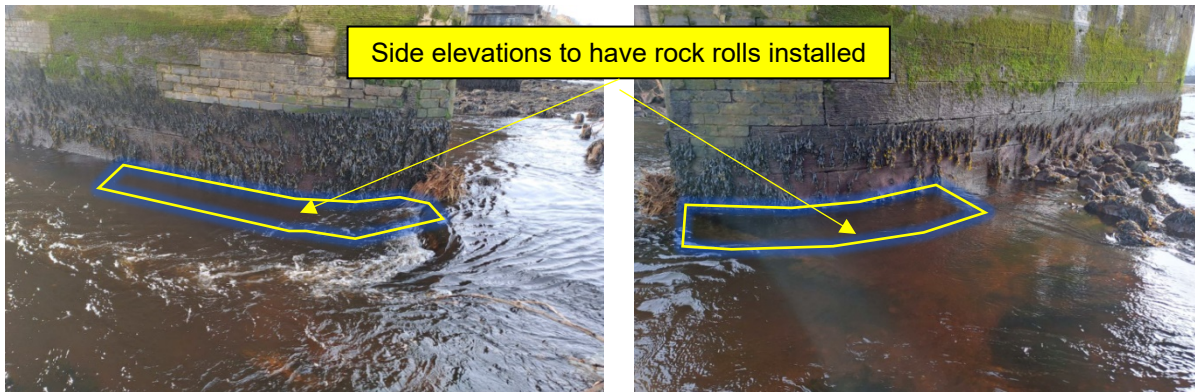
The bundles rock rolls will then be lifted and placed into the scour hole. Additional rock rolls will be placed to the side elevation of the structure to fill the scour hole and protect the structure.

The rock rolls will then be secured by drilling in dowels. Once the dowels have been secured, nuts and washers will then be placed on to the dowel to secure.

Once this has been completed, the RRV will be removed from site and off tracked.

Site Supervisor to record extent of works undertaken and take pictures throughout works.

Work area is to be confirmed safe, clear and fit for normal traffic, at the end of each shift.



**Hold Point - All works must be carried out in line with the Ecologist recommendations.**

**Hold Point - Monitoring for silt and pH is required before and at all times works are taking place.**

**Hold Point - Sediment and pH monitoring will be carried out before and during the works with a stop work policy in place should there be any change until suitable mitigation has been applied and is effective where possible.**

On completion of works the site supervisor will take water samples from upstream and downstream and compare to previous readings and then sign off the permit to work in a watercourse.

All material, waste material and plant used through the works are to be cleared from site and taken back to the depot.

Site Supervisor to ensure the site is clear and fit for traffic on completion of the shift.

1.1.2 The following tasks support this Work Package Plan:

Reference & Prepared by:	Task Briefing Sheet Title	Activity Start Date
TBS1 8598.162.021 Rev 1	Scour Repairs	01/06/24

**1.2 AMCO's delivery organisation**

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

Role	Name	Contact Number
Regional Director	J. Double	[Redacted]
Operations Director	A. Kane	
Contract Engineering Manager	D. McGahon	
Project Manager (CRE)	G. Armstrong	
On Call Manager	TBC	
Site Supervisor	A. Ovenden	





<b>Site Supervisor</b>	S. Todd	[Redacted]
<b>H&amp;S Advisor</b>	T. McStay	
<b>Sustainability &amp; Assurance Advisor</b>	M. McDermott	
<b>Procurement</b>	*	

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
SAS	Rescue Boat	Scott Duff	TBC
Readypower	RRV Crane	J. Capaldi	TBC

### 1.3 Resources Relevant Design Documents

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

Document Ref	Document Title	Rev

### People

Number of People and their competence associated with this WPP		Task
Competence	No of People	TBS Ref
AMCO PIC/COSS/Supervisor	1	TBS1
Machine Operator	1	TBS1
M.C	1	TBS1
Boat Operator	3	TBS1
General Operatives	4	TBS1

### Plant, Equipment and Tools

Quantity of Plant, Equipment and Tools associated with this WPP		Task
Plant item	No	TBS Ref
Welfare Van	1	TBS1
Site vehicles	3	TBS1
Peli Lights	Various	TBS1
Generator	1	TBS1
Cordless Hammer Drill	2	TBS1
110v Leads	Various	TBS1
Rescue Boat	1	TBS1

### Materials

Quantity of Materials		Task
Material	Quantity	TBS Ref
Rock Rolls	Various	TBS1
Dowels	TBC	TBS1
Washers & Nuts	TBC	TBS1

## 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:



- 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 WDM West	[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 300 9923. Other - <a href="http://www.hse.gov.uk/riddor/report.htm">http://www.hse.gov.uk/riddor/report.htm</a>	✓
ORR	020 7282 2000	✓
SEPA	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?
<b>Work near high voltage power lines</b> 	At times when working on the rail infrastructure	N/A	<ul style="list-style-type: none"> <li>• OHLE will be live at all times</li> <li>• All plant, materials and tools will be carried at waist height.</li> <li>• 9ft (2.75m) Rule will apply at all times</li> </ul>



			<ul style="list-style-type: none"> <li>• Non-conductive tools to be used at all times</li> <li>• Any power cables within the trough route will be identified by the S&amp;T team and marked accordingly</li> <li>• All known services and overhead equipment will be briefed prior to works commencement</li> </ul>
---	--	--	---

**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?	When and where will the risk be present?	Permits Required	How will the risk be controlled
Ecology Survey 	Prior to works commencement	N/A	<ul style="list-style-type: none"> <li>• Ecologist will carry full survey of the culvert and the surrounding area</li> <li>• Ecologist to advise on site team of any protected species and invasive plants/weeds</li> <li>• Once ecologist has confirmed that the area is safe to work in, works can now proceed</li> </ul>
OHLE 	Works on track	C-Permit	<ul style="list-style-type: none"> <li>• ES/COSS to brief SWP and work site limits.</li> <li>• Nominated person and Earthing assistant will undertake OHLE isolation.</li> <li>• Nominated person will issue C-Permit to ES/COSS to confirm isolation is in place.</li> <li>• NO works at height on the line until confirmed in possession of C-Permit.</li> </ul>
Working on or near the line 	At all times when accessing the operational railway	SWP	<ul style="list-style-type: none"> <li>• ES/COSS to take Possession of the worksite.</li> <li>• ES/COSS to brief the SWP before accessing on or near the line.</li> <li>• ALL persons will have PTS or have a TVP to access near the line.</li> <li>• New PTS cardholders and TVP holders are to wear blue Hard hats</li> <li>• Full Orange Hi-Vis Clothing to be worn at All times</li> </ul>
RRV Crane 	When traveling to and from site and when working on site	Plant Operators access permit	<ul style="list-style-type: none"> <li>• POS Rep to ensure RRAP and track cant and gradient is suitable for RRV Crane.</li> <li>• COSS/CC to control all RRV movements throughout works.</li> <li>• Care to be taken when loading plant/materials onto personnel carrier.</li> </ul>




			<ul style="list-style-type: none"> <li>Exclusion Zone to be set and maintained at all times while Machine in use.</li> </ul>
<p>Lifting Operations</p>	Lifting Aqua Bags	Approved Lift plan Training Competency	<ul style="list-style-type: none"> <li>Appointed person to complete/authorise lift plan.</li> <li>Approved lift plan to be in place for all lifting operations.</li> <li>Site Supervisor to ensure plant, materials and equipment within lift plan match equipment on site.</li> <li>Plant, material and equipment to be checked prior to use.</li> <li>Exclusion zone to be established around lifting operations.</li> <li>All plant movements to be controlled by banksman and undertaken within established exclusion zone.</li> </ul>
<p>People, Plant Interface (HRA – HS50/58)</p>	Working with RRV Crane		<ul style="list-style-type: none"> <li>Orange Zone hierarchy will be use for the works</li> <li>Site Supervisor will introduce a safe working area by means of a visual demarcation or</li> <li>This safe system will be briefed to the group</li> <li>The safe working area is to be adhered to at all times</li> <li>If any personnel move into the safe working then works will cease immediately and the plan reviewed</li> <li>Traffic Cones and barrier will be used to demarcate the exclusion</li> </ul>
<p>Use of Link Trolley</p>	When traveling to and from track level work site	Hand trolley checklist	<ul style="list-style-type: none"> <li>Hand trolley controller competence required.</li> <li>Carry out pre inspection and brake &amp; push test to be carried out prior to works.</li> <li>Complete hand trolley checklist.</li> <li>Correct manual handling technique.</li> <li>Consider the site conditions.</li> <li>Load trolley evenly.</li> <li>Load to be secured prior to putting trolley into use</li> </ul>
<p>Working in a watercourse</p>	At all times when working in or over watercourse	Permit to work within a watercourse  Marine Licence	<ul style="list-style-type: none"> <li>Permit to work in watercourse to be issued before works commence.</li> <li>This will be for works carried out in the water course which will have a dry working area in place.</li> <li>All persons working within the water course will wear</li> </ul>







			<ul style="list-style-type: none"> <li>Harmful substances to be used as per Manufacturers recommendations</li> <li>COSHH items stored off site when not in use</li> <li>Operatives to be equipped with task specific PPE at all times whilst using COSHH items</li> </ul>
<p>Operating Small Plant and tools</p> 	When using Rock Drills/small tools	N/A	<ul style="list-style-type: none"> <li>Operators must be trained and competent.</li> <li>Impact goggles/face shield to be worn at all times.</li> <li>Inspect plant and equipment before use and take damaged sections out of use and seek replacements.</li> <li>Take damaged plant out of use</li> <li>Ensure guards remain in place.</li> <li>Plant &amp; equipment to be sited on plant nappies</li> <li>Use HAVS register to record time on equipment. Wearing of gloves and correct PPE for the task. Maintenance of tools. Sharp points. Rotation of workforce to reduce exposure times.</li> </ul>
Night shift Slips Trips and falls	At All times on Site	N/A	<ul style="list-style-type: none"> <li>Prior to works commencing, Site Supervisor will carry out a trip hazard review of the worksite including access and walking routes and brief to the workforce.</li> <li>Care to be taken when walking on site.</li> <li>Safe walking routes to be used at all times</li> <li>Cat Lamps to be used at all times when working into the evening</li> <li>Walking routes to be clearly lit as required</li> <li>Steel toe cap boots must be worn at all times.</li> <li>Clear all waste and debris from site on regular basis.</li> <li>Establish safe means of access prior to undertaking works.</li> </ul>



**3.3 Lifesaving rules**

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

Always		Never	
	✓ or X		✓ or X
	✓		✓
	✓		✓
	✓		✓
	✓		✓
	✓		✓

**3.4 High Risk Activities**

3.4.1 The following table highlights the High Risk Activities applicable to this WPP

Breaking Ground	Change Management	Confined Spaces	Electrical & Stored Energy	Fire & Hot Work
Yes	Yes	No	Yes	No
Lifting Activities	People & Plant	Railway Operations	Working at Height	Work Related Road Risk
Yes	Yes	Yes	Yes	No
Works In, Over or Near Water	Works producing dust, noise & vibration	Activities with Potential to Cause Pollution	Works Affecting Protected or Invasive Species	
Yes	Yes	Yes	Yes	



#### 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"> <li>Storage facilities shall be positioned at least 10m away from a watercourse</li> <li>Drip trays shall be used whilst refuelling.</li> <li>Containers shall be fit for purpose, labelled and have proper fitting lids.</li> <li>Containers and tanks shall be made secure against vandalism or theft</li> <li>Refuelling and mixing shall take place in a dedicated area at least 10m away from a watercourse</li> <li>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</li> </ul>	
Dust, Noise, Odour	<ul style="list-style-type: none"> <li>All Personnel to be equipped with Ear defenders when noisy machinery is being used</li> <li>All Plant stood down when not in use</li> <li>Use silenced plant where possible</li> <li>Dust masks to be used where applicable</li> </ul>	
Flood Risk Management	<ul style="list-style-type: none"> <li>Daily completion of the Permit to Work Within, Over, and Adjacent to a Watercourse (HS131)</li> <li>Review and communication of weather forecast, flood information and tide times. Use of national flood warning services: <a href="https://flood-warning-information.service.gov.uk/warnings">https://flood-warning-information.service.gov.uk/warnings</a></li> <li>Where possible, materials, plant and other items shall be stored at least 10m from the watercourse edge or, preferably, off the flood plain altogether.</li> </ul>	
Ecology, Protected/Invasive species at Risk	<ul style="list-style-type: none"> <li>Ecologist to carry out full eco survey prior to works commencement</li> <li>All works are to be carried in line with Ecologist recommendations</li> </ul>	
Working in or near a watercourse	<ul style="list-style-type: none"> <li>Works undertaken above water level, access outside of watercourse.</li> <li>Weather forecast to be monitored, work undertaken during low water levels.</li> <li>Dry working area to be put in place prior to any works proceeding.</li> <li>Correct PPE to be worn</li> <li>Check, Clean, Dry procedure followed</li> </ul>	Marine Licence in place for all works

##### 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**

<b>Site Location: Queens Viaduct – AYR4 – 162/021 – 28m 880yds</b>		
<b>Grid Reference: NS3122939869</b>		
Contact	Name or Location	Tel. Number
Ambulance, Fire	Various	999 (112 from Mobile)
BT Police	Control Centre	0800 405 040
Incident Controller	NWR	0141 335 2020
Gas	Nation Grid	0800 111 999
NR Sharps	NR	01904 525 894
Scottish water	Emergency	0845 600 8855
Nearest A & E Hospital	University Hospital Crosshouse	01563 521 133
SEPA	Control Centre	0800 807 060 24/7/365
Flood line	National Flooding Helpline	0345 988 1188.
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 Manger' to Check and Confirm the following:

- Who you are (Joe bloggs),
- 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

**KA12 8SN – AYR4 – 162/021 – 28m 880yds**

**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. Ovenden S. Todd	First Aid at Work
Likely injuries associated with this work package	Slips, trips and falls Use of rope access equipment Working in a Watercourse Use of Rescue Boat People Plant Interface	
First aid equipment provision	Equipment	Location
	First Aid Kit	Welfare Van & On-Site

**First Aid Kit to be checked prior to starting work**

**5.1.2 Evacuation arrangements**

5.1.2.1 All site personnel will evacuate using the designated emergency exit route and make their way to the fire assembly point / muster point immediately after hearing the emergency alert. They will wait there until further notice.



**Muster point will be via Old Bogside Station, Irvine KA12 8SN.**

In the event of a fire, the person who identifies the fire will alert the workforce and all site personnel will evacuate using the designated emergency exit route and make their way to the fire assembly point / muster point immediately after hearing the emergency alert, they will wait there until further notice.

**5.1.3 Fire safety arrangements**

5.1.3.1 Fire extinguishers to be stationed by Petrol/diesel plant. Powder will be on site.

**5.1.4 Security arrangements**

5.1.4.1 Ensure access gates are secured on access/egress. Keep site vehicles locked when not attended and remove all plant, tools and materials at end of every shift and during breaks.

**5.1.5 Environmental Emergencies**

5.1.5.1 **Extreme Weather and Flooding:** If water levels rise to a level that the supervisor deems unsafe then works will be postponed until the water level lowers.

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**

5.1.6.1 Emergency Services can be summoned by using the COSS/Site supervisors Mobile (Location to be agreed within Pre start Briefings on site) in the case of this work package plan the workforce will inform the emergency services of the following information relating to the location.

**KA12 8SN – AYR4 – 162/021 – 28m 880yds**

**5.1.7 Railway emergency (trains and electrical)**

5.1.7.1

	Site Supervisor to enter details prior to briefing	Tick on completion
ECO	0141 335 4087	✓
Signal box	N/A Possession Working	✓
Protection Signals Ref.	N/A Possession Working	✓

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.

**5.1.8 Asbestos**

5.1.8.1 N/A

**5.1.9 Utilities**

Organisation	Contact details
Electricity	0141 567 4155
Gas	0800 912 1722
Telecoms	0800 917 3993
Water	01382 563 666

**6 Work Package Arrangements**

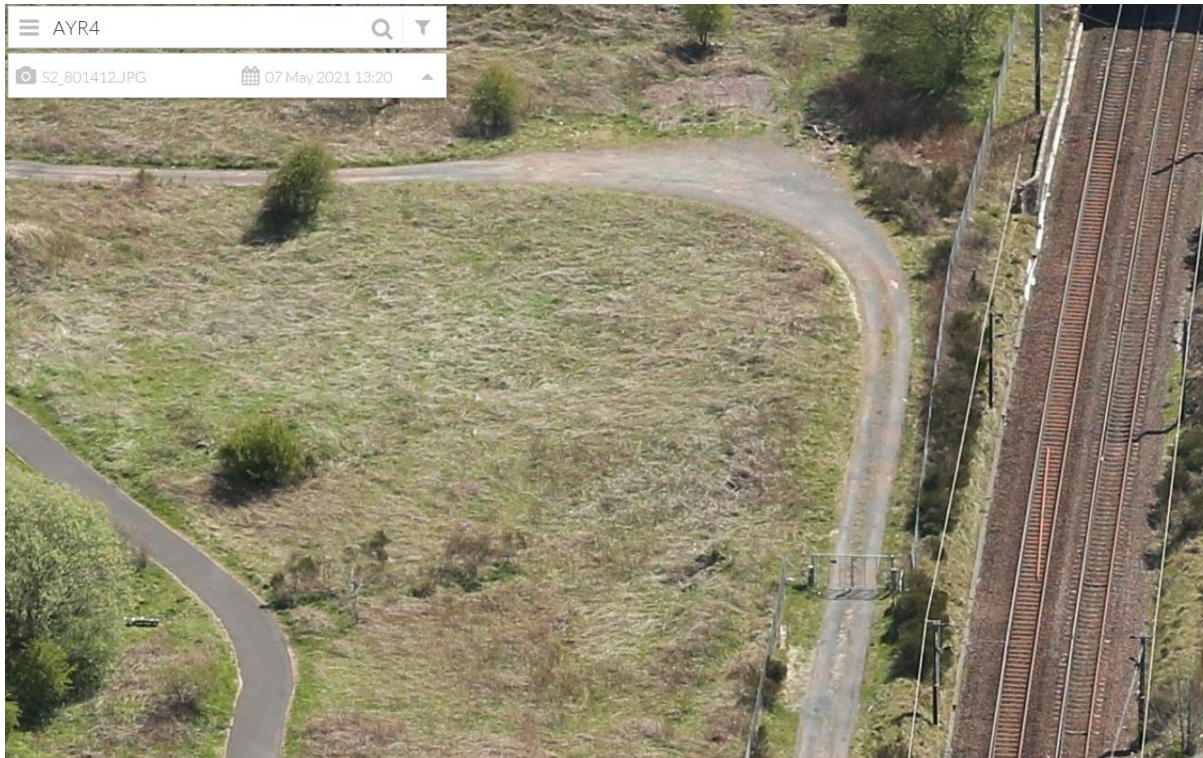
**6.1 Site Layout**

6.1.1 *Vehicles will be stored at Old Bogside Station, Irvine KA12 8SN, for works on track. Works off track will access via The Rugby Club, Irvine KA12 8SE (Rescue Boat Access).*

**6.2 Access and Egress**

6.2.1 *Access to the worksite will be made via Old Bogside Station, Irvine KA12 8SN, for works on track. Works off track will access via The Rugby Club, Irvine KA12 8SE (Rescue Boat Access).*

**Old Bogside Station Access –**



**Parking/access area** – Parking will be made just outside the access area. The parking and access area ground make up is of good condition, the access section at the track area consists of compacted gravel. The access area has discarded materials laying sporadically around the area. Site lighting will be required to highlight the hazards

**Walking to the Works Location** – It is a short walk from the access to the structure. The walk will be under typical railway conditions. Ballast to ballast method of walking will be utilised.

**Works Location** – The works area comprises of a typical railway construction. The main hazards would be the slippery sleepers, dropped rail and trough routes and cables.

**Rugby Club Access Point –**



**Parking/access area** – Parking will be made within the access area. The parking and access area ground make up is of good condition, the access section at the works area consists of grass/tarmac.



**Walking to the Works Location** – It is a short walk from the access to the structure. The walk will be through the playing fields which are in good condition. The ground is made up of grass to the access area. Care to be taken getting to the base of the structure.

**Works Location** – The works area comprises of a typical watercourse environment. Lots of seaweed at the works location which is a slip hazard. Wellingtons/Waders to be worn at all times.

**6.3 Welfare**

6.3.1 Welfare facilities to be provided in the form of a Welfare Van. 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.

No. of Persons	No. of work periods (consecutive shifts, days or nights)								
	1	2	3	4	5	6	1 Week	2 Weeks	>2 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	B	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*







No. of Female Toilets	N/A
Required	N/A
Other:	N/A
<b>Washing Facilities</b>	
No. of Sinks Required	N/A
Method of Drying Hands	N/A
Other:	N/A
<b>Storage &amp; Drying of Work Wear</b>	
Clothes Storage	N/A
Drying Facilities	N/A
Other:	N/A
<b>Rest Facilities</b>	
Tables/Chairs	N/A
Heating Food	N/A
Heating Water	N/A
Drinking Water	N/A
Other:	N/A
<b>Maintenance &amp; Cleaning</b>	
Effluent and Waste Disposal	N/A
Cleaning Details / Frequency	N/A
Other:	N/A
<b>External Facilities</b>	
External Lighting	N/A
Protected Accesses	N/A
Car Parking Arrangements	N/A
Other:	N/A

**General comments on site welfare** (Include size, type, number of units, justification for any non-compliance)

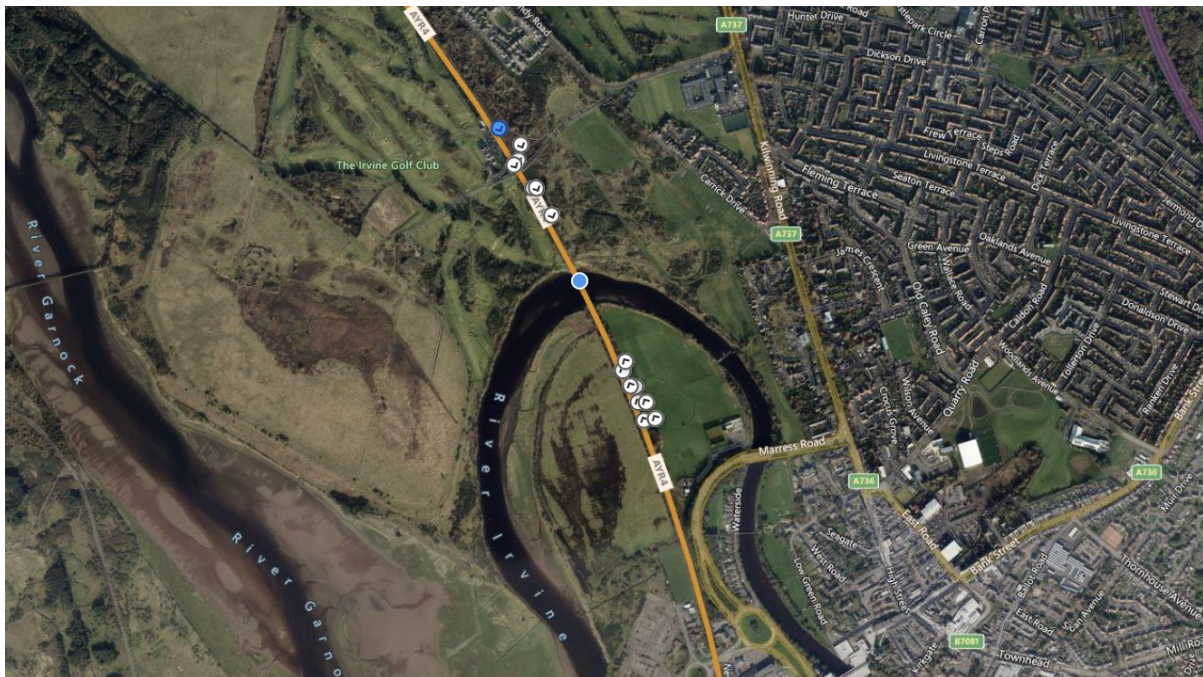
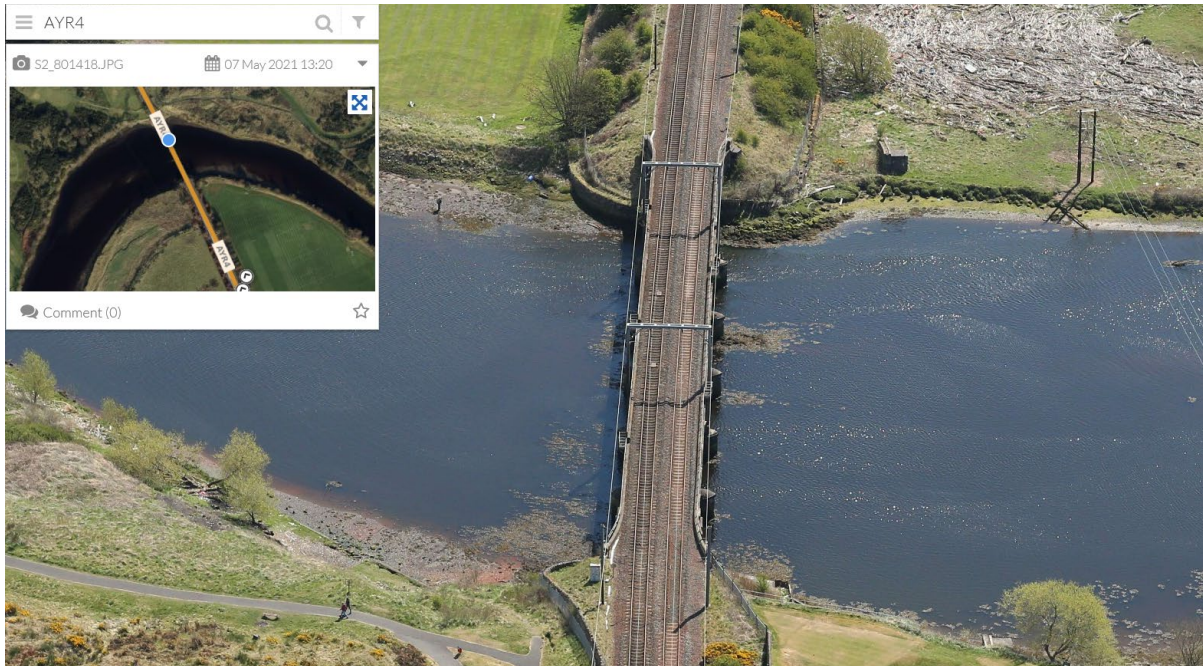
**Multiple welfare vans to be on site when work force increases**







**Appendix 1 – Site Layout**





**Network Rail Project No:** SCOAM18

**AMCO Contract No:** MSC8598

**WPP Revision:** 01

**Revision Date:** 20/10/23

**Appendix 2 – Risk Assessment**

See attached RA 8598.162.021 Rev 1

26 of 27	Proforma uncontrolled when printed	RFM-HS-006-05
Parent Procedure:	HS52: Planning and Managing Rail Construction Work	



**Network Rail Project No:** SCOAM18

**AMCO Contract No:** MSC8598

**WPP Revision:** 01

**Revision Date:** 20/10/23

**Appendix 3 – Subcontractor RAMS**

Please see attached RAMS from SAS

27 of 27	Proforma uncontrolled when printed	RFM-HS-006-05
Parent Procedure:	HS52: Planning and Managing Rail Construction Work	