

# Work Package Plan

# CD 200/564 Burntisland CD 200/494 Burntisland

# ECN2 18m 0050yds to 19m 0630yds

Start Date: 5/07/2021

Finish Date: 31/11/2021

Work Package Plan Number: WPP002: Burntisland CD

Controlled Copy Number Burntisland CD/WPP002/001

#### Construction Phase Plan Number

#### **Burntisland CD/CPP/001**

This document is the property of Amalgamated Construction 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. 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 from that accountability and responsibility, nor is it intended to confirm or suggest that Amalgamated Construction Ltd fully meets the statutory requirements.

Prepared by: Charlie Robertson

(Print Name)

(Signature) Senior Site Agent

(Job Title)

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

#### Phil Tait

(Print Name)

(Signature) Contracts Manager

(Job Title) **Civils** 

(CRE Discipline (as stated in the CPP)

#### Accepted on behalf of Network Rail / Client:

(Print Name)

(Signature)

Project Manager. (Job Title)



Always be sure the required plans and permits are in place, before you start a job or go on or near the line.

1 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Rail Construction Work	

17/03/21 .....Date

.....Date

.....Date



# **DISTRIBUTION LIST**

ISSUED TO:	JOB TITLE	ORGANISATION	VERSION
Document Control Master			

# VERSION CONTROL

REVISION NUMBER	SUMMARY OF CHANGES
Draft	
01	
02	

# Supporting guidance



2 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



AMCO Contract No: IS0xxxx

WPP Revision: 0

Revision Date: 17/03/2021

СС	NTENTS	
1	Introduction	4
	1.1 Brief outline of work methodology	4
	1.2 AMCO's delivery organisation	8
	1.3 Resources	9
2	Working Together	10
	2.1 At site communication	10
	<ul><li>2.2 Contact details</li><li>2.3 Other parties involved with the package of work (interfaces details)</li></ul>	letails) 11
•		/
3	Hazard Management 3.1 Work involving particular risks	<b>12</b> 12
	3.2 Significant railway and construction risks	12
	3.3 Lifesaving rules and High Risk Areas	21
4	Environmental and Waste Management Arrangements	22
•	4.1 Environmental management arrangements	22
	4.2 Waste management arrangements	23
5	Emergency Arrangements	23
	5.1 Site emergency arrangements	23
	5.1.1 First aid arrangements	23
	5.1.2 Evacuation arrangements	28
	<ul><li>5.1.3 Fire safety arrangements</li><li>5.1.4 Security arrangements</li></ul>	29
	5.1.4 Security arrangements 5.1.5 Environmental Emergencies	29 24
	5.1.6 Summoning emergency services	24
	5.1.7 Railway emergency (trains and electrical)	25
	5.1.8 Asbestos	25
	5.1.9 Utilities	26
6	Work Package Arrangements	26
	6.1 Site Layout	26
	6.2 Access and Egress	26
	6.3 Welfare	26
	6.4 Rail Traffic Management	26
_	6.5 Road Traffic Management	26
7	Hand Over and Hand Back Arrangements	<b>27</b> 27
	7.1 Hand over and hand back arrangements	
	PENDICES – Supporting information	28
-	pendix 1 – Risk Assessment	Error! Bookmark not defined.
•	pendix 2 – Drawings	37
Ар	pendix 3 – Site Layout Plan	40
Ар	pendix 4 – Spare	41

TO UPDATE THIS TABLE RIGHT CLICK AND CLICK ON TABLE". THEN CLICK ON "UPDATE ENTIRE TABLE"

3 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



#### **1** Introduction

#### 1.1 Brief outline of work methodology

1.1.1 **200/494 Burntisland 3** - Sea Defence 200/494 is situated to the west of Burntisland Town Centre, ECN2 19 miles 210 yards to 19 miles 630 yards. The defence consists of approximately 40 yards of reclaimed demolition concrete protection, 310 yards of undefended natural slope, 20 yards of concrete bag seawall and 60 yards of masonry revetment. The defence fronts directly onto the foreshore which consists of boulders, cobbles and along one section a large rock outcrop.

**200/564 Burntisland 4** - Coastal defence 200/564 is situated to the north west of the town of Aberdour, in Fife at an ELR and mileage of ECN2, 18m 0050yds respectively. It protects double tracked, non-electrified railway along a distance of 1725yds. It can be accessed from Silver Sands beach which is signposted from the A921 road which passes through Aberdour. The defence itself is comprised of 1250 yards of masonry revetment, 465 yards of natural rock outcrop and 70 yards of natural beach

AMCOGiffens brief is to carry out

- Masonry and concrete revetment repairs to with particular attention to be made where defence is in its poorest condition including previous repairs which have deteriorated.
- o Placement of rock or concrete armour at the toe of the defence.
- Provision of edge protection for track workers.
- Expose and unblock all piped outlets to allow for free flowing of water and remediation to small embankment slips.
- De-vegetation of structure and 5m surrounding envelope, roots to be treated to prevent regrowth, including treatment of any invasive species.

Note: Retaining wall to the lower slope and the overhanging rock section are different assets and are not part of this remit.

#### 1.1.2 The following tasks support this Work Package Plan:

Reference & Prepared by:	Task Briefing Sheet Title	Activity Start Date
WPP002	Burntisland Coastal Defence Repairs	11/07/21
WPP002/TBS001	Concrete and Masonry Repairs	11/07/21
WPP002/TBS002	Rock Armour Reinstatement	11/07/21
WPP002/TBS003	De-vegetation	11/07/21
WPP002/TBS004	Pipe Jetting	11/07/21

4 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



#### <u>General</u>

- All operatives will receive the site safety induction and sign the site safety induction log
- All personnel on the site will receive a task briefing to cover the methodology and health, safety and environmental risks associated with the activities.
- A daily white board briefing will be carried out each day which all site personnel will attend. Any new hazards will be identified at this point.
- A point of work risk assessment and daily briefing will be carried out each day which all operatives will sign to show they have understood the methodology and hazards. Any new hazards will be identified at this point.
- All suppliers to be notified of Traffic Management plan prior to commencement of works.
- A dilapidation photo survey shall be carried out before any works commence.
- All refuelling shall occur in a dedicated area at least 10m away from the watercourse
- All heavy plant operating in or within 10m of the watercourse will run using hydraulic Bio oil.
- All static plant shall be sat over a drip tray which can contain 110% of the fuel tank capacity. This plant shall be positioned at least 10m away from the water
- All waste shall be managed in accordance with the Site Waste Management Plan.
- Clean, check and dry process to be in place and briefed to all personnel and all plant to be cleaned down before coming to site.
- Nesting bird survey to be carried out prior to works commencing.

• All works shall comply with the requirements of the ecology report, Marine Scotland licence. *IMPORTANT INFORMATION REGARDING TIDAL WORKING* 

- No lone working is permitted at any time in or around the water course.
- Works are in a tidal area and therefore works will be planned accordingly. Any machine works to be carried out with machine in the coast footprint are only permitted 3 hours either side of low tide. At all other times, it is expected to be high tide and therefore no machine works are permitted Site supervisors should familiarise themselves with an approved Tide Times information service. These times will dictate working hours and limitations.

#### POSSESSION WORK

- Delivery of RRVs and Materials to AMCO site compound, Lammerslaw Road, Burntilsand, KY39BS adjacent to rail vehicle access point ECN2 19m 1030yds
- Delivery of Plant and Materials to site using RRVs in possessions accessing at Burnt Island RRAP ECN2 19m 1030yds
- Unloading excavator, dumper, rock armour and relevant materials
- All materials will be placed in a position of safety

#### TB001 – Revetment Repairs

- Marine Licence to be issued prior to AMCOGiffen entering the work area.
- Permit to work near the water to be issued prior to working.
- All permit requirements to be adhered to for duration of the below activity.
- A water monitoring kit shall be obtained from the AMCO Environmental Department and a sample shall be taken and recorded (photographed) by the Site Supervisor.
- Local emergency services, including the coastguard and lifeboat will be advised of the operations.
- All operatives must wear lifejacket and be fully briefed on activities risk and control measures along with the rescue plan.
- Upon completion of the main works, the above methods will be removed in opposite sequence with extra care taken to ensure no sediment is disturbed.

5 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



• Visual Inspections will be carried out before, during and after all proposed concrete works including masonry repairs and any issues highlighted to AMCO Site Management and works suspended.

#### **Masonry Repairs**

- Masonry repairs will be carried out as detailed on the Form003 drawings and repair schedules.
- Access to repairs will be gained from ground level.
- Access at higher level will be accessed using Alloy towers built, moved and dismantled by or under the supervision of a competent PASMA trained operative. This work will be carried out during periods of low tide only.
- Dilapidation Photos must be taken prior to any works commencing.
- The ecology report shall be referred to and nesting bird check undertaken prior to works commencing
- Pointing and filling is to be carried out in accordance with NR/CIV/SD/101.
- Operatives will use hand tools such as rake/hammer/chisel/scotch (and lightweight 110v breakers if required) to remove all loose mortar from the masonry courses to a required depth to provide a key for the new mortar installation. If a depth of 20mm or more mechanical tools to be used.
- Operatives to check to ensure that a depth of at least 25mm has been of achieved by the raking of old joints, using a suitably proportioned depth gauge for 25mm
- A lime mortar mix as per the design specification detailed on NR/CIV/SD/101 will then be dry mixed in the main compound before being transported round to the work area.
- A measured amount of water will then be added to the mix in the bucket to form the mortar, which will then be applied to the re-formed mortar beds before being struck flush.
- Utilising hand tools (trowel & pointing key), sweep mortar into the exposed joint area
- After the mortar has hardened (but before it goes off); all joints will be given a brushed finish. The mortar will be brushed with a soft brush to expose the course aggregate.
- Mortar Mix to be M6.

#### **Concrete Repairs**

- As above concrete repairs will be carried out as per repair schedules
- This will consist of pointing to rock revetments or reinstating concrete wall sections
- If excavation is required the area will be CAT scanned and a permit to dig issued, before any excavation works commence.
- An excavator working under the supervision of a banksman and within an exclusion zone will excavate to a level set by AMCO's site engineer. Casting all excavated material into a tracked dumper which will be transported to an allocated safe area for later removal from site by an approved waste carrier.
- A min 50mm concrete blinding will be poured to form a clean and level base to set shutters on, and pinned at bottom to stop shutter failure during concrete pour of the invert blinding, the concrete will be brought to site.
- If access is suitable concrete will be placed using the excavator.
- Once blinding has cured shutters will be erected to give minimum 300mm base & 1200mm wall, the shutters will be transported where the joiners will fix and set shutter to correct line and level set by site engineer, shutters will be erected and shored.
- Fast set concrete will be either be brought to site premixed or hand batched from dry mixed 25kg bags
- Concrete will be poured at the start of low tide to allow adequate curing time.

6 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



#### TB002 – Rock Armour Installation

- All work will be carried out under the control of a permit to work within a watercourse.
- Rock armour will be loaded into dumper and transported to the work site. It will be stockpiled in this location for placement by excavator.
- All plant working within the vicinity of the coastal defence will be fitted with bio oil.
- Watercourse monitoring will be carried out throughout the duration of the task.
- All plant (Excavators / Dumpers) will be delivered by low loader to the beach access point and off loaded.
- All plant will be fuelled within this site compound via mobile bowser (No fuelled stored on site

   To be brought in as and when required). A spill kit facility will be available at all times. The machines will be stored at site compound at the beach access point overnight or out of site hours.
- An additional Welfare van will be at the main point works by agreement to provide facilities closer to the point of work.
- AT ALL TIMES DURING THE EXECUTION OF THESE WORKS DUE COGNISANCE WILL BE TAKEN WITH RESPECT TO PREVAILING WEATHER CONDITIONS TIDE TIMES AND HEIGHTS
- A suitably sized excavator will be located at the beach access point and tipping point of the imported rounded boulders.
- The imported rounded cobbles will be delivered to site via tipper wagons and tipped ready for loading by the excavator in the awaiting dumpers.
- Rock armour stone that meets the specification requirements will be delivered and stockpiled within the site compound.
- Rock armour will be visually inspected to check minimum, maximum and average stone sizes.
- A banksman will always be in attendance whilst the vehicles are reversing and to also direct members of the public who may require access to the beach whilst the works are being undertaken.
- Two number dumpers (Wheeled) will transport the imported cobbles along the beach, above the mean high tide point to the point of works. The cobbles will be tipped as directed by the second excavator located at the main point of works (sea defences). The site speed limit will be 5 mph.
- DUE COGNISANCE WILL BE TAKEN AT ALL TIMES WITH RESPECT TO MEMBERS OF THE PUBLIC WHO MAY BE ON THE BEACH WHILST THE WORKS ARE BEING UNDERTAKEN. PEDESTRIAN WILL HAVE RIGHT OF WAY.
- A second excavator will be located at the point of works (Sea defences). This machine will undertake the initial preparation works, removal of beach sand at the toe o to uncover the existing cobbles up to circa 2m from the toe of the existing sea defences, placing the sand or debris to one side.
- The cobbles will be tipped into this prepared are and shaped by excavator, followed by the reinstating of the excavated beach sand over the placed cobbles.
- This will be repeated over the area required, working from the southern end back toward the access point over the required area.
- On completion of the cobble placing the haul route will be reinstated along with any other areas disturbed as a result of the works.
- Following an inspection by the Site Supervisor or Agent and /or representative and an agreement the work has been satisfactorily completed, demobilisation will commence.

7 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



#### TB003 De-vegetation

- As part of the works at Cairnie Burn there will be a requirement to remove trees and vegetation to allow access.
- This work will be carried out by certified operatives.
- Where vegetation clearance (during bird nesting season) is required a bird survey will be carried out prior to the removal of trees. This will be carried out by a qualified ecologist.
- A bat specialist has previously checked the trees in this area within the NR boundary for bats/bat roost potential and found none.
- The AMCO supervisor will mark out the extent of the site to be cleared.
- All tree felling work will be carried out by NPTC/Lantra certificated operatives.
- Safety exclusion zones will be set using barrier fencing.
- Full PPE including helmet with visor and ear defenders, boots and gloves to be worn at all times.
- Road traffic management may be utilised where tree removal is required in the vicinity of the road.
- Tree removal will commence at a location agreed location with chainsaw certificated operatives who will directionally cut trees to stump level away from themselves using chainsaws within the site boundary.
- If required, all vegetation and small trees will be processed using chippers. The chips will be discharged to an allocated area and levelled.
- The personnel carrying out these duties must be a trained and competent person.

#### TB004 CCTV & Jetting Works

- Noted on repair schedules is a requirement to unblock existing storm drainage pipes which outlet at the costal defence location. This work will be carried out by a rail mounted jetting unit working from the adjacent track. This work will be carried out under possessions accessing at Burnt Island RRAP ECN2 19m 1030yds
- All personnel attending site will receive site induction, task briefing, whiteboard briefing, POWRA briefing & SWL1 briefing & any relevant permits to work will be issued prior to commencement of works.
- Engineering Supervisor will set up work site.
- COSS will sign in with Engineering Supervisor and give work force a site specific Safe System of Work briefings
- On arrival at the worksite 110v lighting or portable lights are to be erected, this fully illuminating the works area
- Under the supervision of a trained & competent CC the RRV will access at the RRAP on the Down line
- Jet Vac units under the supervisor of the CC will then travel from the RRAP access point on the down line to the work location
- Operatives will lift off existing catch pit covers and clean out the catch pit base
- Jetting operatives will then begin to jet from catch Pit downstream to the outlet.
- Operatives operating the CCTV unit will then commence carrying out a full CCTV survey to establish the full condition of the existing drainage
- This process will continue until all drainage been jetted & CCTV Survey carried out.
- All plant and excess materials will be removed from line side to safe storage location in site compound
- Form 005 confirming the track is fit for the passage of trains will then be issued by Amco-Giffen nominated person

8 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



• Engineering Supervisor along with the COSS will have a visual inspection of worksite and track and confirm the worksite is clear for the passage of trains hand back worksite

#### 1.2 AMCO's delivery organisation

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

Role	Name	Contact Number
Regional Director	Scott Kernachan	
Regional Manager	Daniel Harkins	
Contracts Manager	Phil Tait	
Senior Site Agent	Charlie Robertson	
General Foreman	David Findlay	
Contractors Engineering Manager	Daniel Harkins	
Contractors Responsible Engineer (Civils)	Phil Tait	
Contractors Responsible Engineer (Civils)	Ross McCaffer	
ALO Responsible Manager	Phil Tait	
ALO Planner / Coordinator	Charlie Robertson	
ALO Planner / Coordinator	David Findlay	
Temporary Works Co-Ordinator	Phil Tait	
Temporary Works Supervisor	Charlie Robertson	
H&S Advisor	Thomas McStay	
H&S Advisor	Neil Dunlop	
Sustainability & Assurance Advisor	Mike McDermott	
Material & Plant Procurement	Barnsley	

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
Whitcher Wildlife Ltd	Ecology Survey	Derek Whitcher	

#### 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

9 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work

AMCO Contract No: IS0xxxx



WPP Revision: 0

Revision Date: 17/03/2021

Document Ref	Document Title	Rev
138174-6000	CD200-494 Location Plan	00
138173-6000	CD200-564 Location Plan	00

#### People

Number of People and their competence associate	Task	
Competence	TBS Ref	
Agent – SMSTS, First Aid, CSCS	1	1,2,3 &4
General Foreman – SMSS, First Aid, CSCS	1	1,2,3 &4
General Operative – CSCS, First Aid, Plant Operators, PASMA,	3	1,2,3 &4
Dumper/Roller, Slinger/Signaller, Banksman	3	
Machine Operator	2	1,2,3 &4
Delivery Drivers – HIAB*if required	various	1,2,3 &4
De-vegetation Team *if required	2	3
Banksman/Vehicle Marshall	2	1,2,3 &4
Jetting Op	5	4

#### Plant, Equipment and Tools

Quantity of Plant, Equipment and Tools associated with this WPP		Task
Plant item	No	TBS Ref
Hand Tools	Various	1, 2 & 3
Welfare	Various	1, 2 & 3
Power tools	Various	1, 2 & 3
Devegetation equipment	Various	3
Excavator	2	1&2
Dumpers	2	1&2
Tipper wagons (Road Going)	2	1&2
Hiab's	Various	1, 2 & 3
Pickup(s)	1	1, 2 & 3
Heras Fencing	Various	1, 2 & 3
Red & White Barriers	various	1, 2 & 3
Alloy Tower	2	1
Jetting Unit	1	4
Spill Kits	Tbc	1, 2 & 3

#### Materials

Quantity of Materials		Task
Material	TBS Ref	
Concrete	Various	1
Stone	Various	1
Rock Armour (for permanent works)	60t	2
Masonry Repair Materials	Various	1

## 2 Working Together

#### 2.1 At site communication

2.1.1 Communication on site will be via phone and email between all parties involved within the contract. Any accidents or incidents that occur on site should be reported to AMCOGiffen on call manager and then after Network Rail's PM. All relevant details can be found within the CPP and WPP. Calls to emergency services will be made by mobile telephone.

10 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



#### 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
Nicky Ferguson	NR PM		$\checkmark$
Lesley Percy	NR SPM		$\checkmark$
Rod Hendry	NR CM		$\checkmark$
Craig Robertson	NR Project Engineer		$\checkmark$
Chris Lyall	HSEA Specialist		$\checkmark$

#### 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	$\checkmark$
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	$\checkmark$
Local Authority	Highland Council - 01349 886 606	$\checkmark$
Spill clean up	0800 592827	$\checkmark$

#### 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
Land Owner	Land Access	TBC (correspondence through Network Rail)	tbc
Marine Scotland	Marine Licence	Marine Scotland 0300 244 5046	tbc

11 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



#### **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 <u>Regulation 12 (2)</u>, (Schedule 3) of the CDM Regulations 2015:

Risk	When and where will the risk be present?	Permits Required	How will this risk be controlled?
Work which puts workers at risk of burial under earthfalls, engulfment in swampland or falling from a height, where the risk is particularly aggravated by the nature of the work or processes used or by the environment at the place of work or site.	Excavation	Permit to Dig	Follow good digging practices and guidance described in the methodology. All excavation sides to be battered back to reduce the risk of collapse. Personnel only to enter excavations if safe to do so and under the guidance of the banksman. Stop blocks, water filled barriers to be used to prevent accidental incursion by plant/personnel onto the track. Regular inspections of excavation carried out by site supervisors. Weather forecasts to be monitored and periods of high tide levels to be identified and works within the dry working area avoided if possible during this time. Ensure rescue equipment and lifesaving PPE is on site and utilised during this time. All works to be carried out with Fall Prevention Equipment in place. No working next to a leading edge unless personnel are wearing a harness with lanyard "clipped on" to a suitable fixed anchor point. Exclusion zone to be set up, signed and maintained below all works at height including deliveries. Banksman to control all plant movements and exclusion zones. Any access to the back of a flatbed van or HGV must only be completed once a safety rail system has been installed. All works at the top of embankments to be carried out with banksman in a position of safety. Only authorised personnel involved in the works to enter the exclusion zone under the control of the banksman. Ensure equipment is certified and checked prior to each and every use. Exclusion zone to be identified, barriers and warning signs to be erected.
Work which puts workers at risk from chemical or biological substances constituting a particular danger to the safety or health of workers or involving a legal requirement for health monitoring.	During all refuelling activities. Working with imported aggregates. Working with concrete.		MSDS and COSHH assessments to be communicated to workforce with all control measures detailed in the assessment adhered to. Suitable PPE / RPE as detailed in the COSHH assessment to be used whilst working with substances hazardous to health. Gloves to be worn should be rubber coated completely as appose to rubber palm coating only. During periods of excessive dry warm weather water suppression will be sprayed over aggregate to prevent dust. Face masks of FFP3 variety should be worn. Face masks to be worn during working with dry dusty material operations. During concrete operations, all personnel should ensure bare skin is covered with an appropriate barrier against concrete splashes. Footwear should prevent ingress of cementitious liquid through to skin.

12 of 41	Proforma uncontrolled when printed RFM-	
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work

AMCO Contract No: IS0xxxx

WPP Revision: 0

Revision Date: 17/03/2021

			Gloves should be PVC with the ability to block liquids reaching skin.
Work which puts workers at risk of falling from a height, where the risk is particularly aggravated by the nature of the work or processes used or by the environment at the place of work or site.	During all deliveries and working next to an edge. Masonry repairs carried out from alloy tower.	Permit to work at height.	All works to be carried out with Fall Prevention Equipment in place. No working next to a leading edge unless personnel are wearing a harness with lanyard "clipped on" to a suitable fixed anchor point. Exclusion zone to be set up, signed and maintained below all works at height including deliveries. Banksman to control all plant movements and exclusion zones. Any access to the back of a flatbed van or HGV must only be completed once a safety rail system has been installed. All works at the top of embankments to be carried out with banksman in a position of safety. Only authorised personnel involved in the works to enter the exclusion zone under the control of the banksman. Ensure equipment is certified and checked prior to each and every use. Exclusion zone to be identified, barriers and warning signs to be erected. PASMA towers only permitted to be constructed, maintained and dismantled by or under the supervision of a trained an competent PASMA trained operative.
Work exposing workers to the risk of drowning.	All works within the shoreline.	Permit to work near water.	Weather conditions, Tidal flow to be monitored before commencing works adjacent to or in the water. Life jackets to be worn during periods of increased water levels and rescue buoys and life lines to be positioned on the banks adjacent to the work site. Working area to be established for works within the river. Due to the tidal nature of the works, shift plans to take cognisance of the tidal times and machine works only authorised during periods of low tide or approx. 3hours either side of low tide point Rescue boat employed if assessed as required. Wear approved PPE. Whistle to be worn to raise alarm incase of emergency. No lone working in or around water.
Work carried out by divers having a system of air supply	All diving operations.	Permit to work near water	Employ suitabley trained and competent sbcotnractor with suitably trained and comeptant dive team. Rescue boat on site and local emergency services to be informed of the work. Safe system to be set up for the diving operstions. Inspect and check all plant and equipment prior to first entry into the water. Welfare facilities to be provided and maintained on site for divers to have rest breaks and also store/dry/maintain plant and equipment.
Work involving the assembly or dismantling of heavy prefabricated components.	During all deliveries and collections	Permit to Lift.	All lifting operations to be planned and assessed and lift plan produced. All lifting equipment to be checked and records kept on site. All lifting to be controlled by banksman/signaller. Banksman/slinger to control all plant movements if installed using kill switch. All lifting to take place from a failsafe position. Exclusion zones to be established and maintained around all lifting operations. These are to be fenced off using heras type fencing. Fall/edge protection must be in place for any personnel having to access either the back of an HGV or pick up.

13 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



#### 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
Change Management	Throughout the lifetime of this package of works.		Adhere to the following: If you haven't been briefed on a certain task, don't do it. If the work activity differs from what you have been briefed on, stop. If you become unsure how to progress your works, stop. If in doubt, speak to your line manager or supervisor. Undertake a POWRA detailing the change control measures, consult with the supervisor and proceed if safe to do so. Do not restart works until you have been re-briefed on the task. At all times, CHANGE = STOP
Working in/adjacent to watercourse	Masonry Repairs and Rock Armour Installation.	Permit to Work Near Water	Static plant to be sited minimum 10m from water with suitable plant nappy to prevent oil/diesel spillage. Awareness of hazardous flora and fauna. Correct PPE. Adherence to Weill's Disease procedures. Prevent contact with water. Minimise working in river bed prior to dry working area being set up to prevent spread of silt. Rescue point to be set up at prior to the works commencing and to contain as a minimum. Life Ring and Life Line. Operatives to be conversant with the Rescue Procedure and a "Dummy" rescue carried out. Marine Licence to be in place and conditions adhered to. Tidal times to be monitored at regular intervals and shift plans adjusted to suit working only around low tide until dive working area is in place. Ensure that all non-essential plant, unsecured equipment and unsecured materials are removed from the worksite prior to high tide. All personnel involved in the works to be competent. Suitable PPE to be provided for operatives including good quality Waterproof jacket and trousers. Waterproof welly boots to be used for when working within the low tide working area as a minimum. No lone working at any time within the Working Area. Silt levels to be monitored up and down stream of the works, before during and after the works are complete to identify the potential for any issues and allow for mitigation measures to be implemented. All plant working in river to be fitted with Bio Oil. All operatives working in and around river to wear life jackets.
COVID 19 - Travel	Throughout the lifetime of the project		Wherever possible workers should travel to site alone using their own transport and sites need to consider: • Parking arrangements for additional cars and bicycles

14 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work

AMCO Contract No: IS0xxxx



Revision Date: 17/03/2021

r	
	<ul> <li>Other means of transport to avoid public transport e.g. cycling</li> <li>Providing hand cleaning facilities at entrances and exits. This should be soap and water wherever possible or hand sanitiser if water is not available</li> </ul>
COVID 19 – Site Setup	<ul> <li>How someone taken ill would get home</li> <li>Stop all non-essential visitors</li> <li>Introduce staggered start and finish times to reduce congestion and contact at all times</li> <li>Monitor site access points to enable social distancing – you may need to change the number of access points, either increase to reduce congestion or decrease to enable monitoring</li> <li>Require all workers to wash or clean their hands before entering or leaving the site</li> <li>Allow plenty of space (two metres) between people waiting to enter site</li> <li>Regularly clean common contact surfaces in reception, office, access control and delivery areas e.g. scanners, turnstiles, screens, telephone handsets, desks, particularly during peak flow times</li> </ul>
	<ul> <li>Reduce the number of people in attendance at site inductions and consider holding them outdoors wherever possible</li> <li>Drivers should remain in their vehicles if the load will allow it and must wash or clean their hands before unloading goods and materials.</li> </ul>
COVID 19 – Contact with Persons.	<ul> <li>Review all activities to be carried out – are these critical or non-essential?</li> <li>Non-essential physical work that requires close contact between workers should not be carried out</li> <li>Work requiring skin to skin contact should not be carried out</li> <li>Plan all other work to minimise contact between workers</li> <li>Re-usable PPE should be thoroughly cleaned after use and not shared between workers</li> <li>Single use PPE should be disposed of so that it cannot be reused</li> <li>RPE – should not be reused unless designed for purpse.</li> <li>Stairs should be used in preference to lifts or hoists</li> <li>Where lifts or hoists must be used: Lower their capacity to reduce congestion and contact at all times Regularly clean to unless designed for.</li> <li>Increase ventilation in enclosed spaces</li> <li>Regularly clean the inside of vehicle cabs and between use by different operators.</li> </ul>
COVID 19 - Welfare	<ul> <li>Dedicated eating areas should be identified on site to reduce food waste and contamination</li> <li>Break times should be staggered to reduce congestion and contact at all times</li> <li>Hand cleaning facilities or hand sanitiser should be available at the entrance of any room where people eat and should be used by workers when entering and leaving the area</li> <li>The workforce should be asked to bring preprepared meals and refillable drinking bottles from home</li> </ul>

15 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work

# 



#### Network Rail Project No:

AMCO Contract No: IS0xxxx

WPP Revision: 0

			<ul> <li>Workers should sit 2 metres apart from each other whilst eating and avoid all contact Payments should be taken by contactless card wherever possible Crockery, eating utensils, cups etc. should not be used</li> <li>Drinking water should be provided with enhanced cleaning measures of the tap mechanism introduced</li> <li>Tables should be cleaned between each use</li> <li>All rubbish should be put straight in the bin and not left for someone else to clear up</li> <li>All areas used for eating must be thoroughly cleaned at the end of each break and shift, including chairs, door handles, vending machines and payment devices.</li> </ul>
Excavations and breaking ground	All excavation works.	Permit to break ground	Ensure excavations are carried out using a permit to dig. All areas for excavation to be CAT scanned and service drawings checked before work commences. All services to be marked on the ground, Positions of disconnections to be marked up. Check exactions at the beginning and end of each shift and record on appropriate Phoenix form. Backfill excavations as soon as possible. Fence off excavation if they have to be left unattended. Do not leave excavations within the watercourse open overnight. Operatives excavating within the area of a known live service must wear flame retardant overalls, gauntlets and hard hat with visor. Installation of sheet piling will take place around tides. Ensure initial inspection of previously installed piles is carried out each shift start.
Stability of Excavations	During all excavation and fill works.	Permit to excavate. F91 excavation register.	Site supervisor to carryout daily inspections of all excavations prior to shift start and throughout the shift. These are to be recorded in a site excavations inspection file and held on site. Exclusion zone managed by banksman to prevent unauthorised personnel from entering excavation. Banksman to maintain a safe position at all times during the works. Excavations at tie ins to be excavated to a maximum gradiant of 1:2 to a maximum depth of 1800mm. Centre sections excavated to 800mm square to the abutments. Upon completion of the excavation, Permit to Proceed to be completed by the TWS prior to commence filling operation. Excavation to be monitored during the filling operation as above with permit to proceed completed upon completion of the filling operation.
Buried Services	All Excavation & Fill Operations.	Permit to Break Ground.	All areas of disturbed ground to be scanned with CAT and Genny, this to include areas for roadway and compound installation. Services drawings checked prior to excavation. Hand dig to locate services. Permit to dig to be in place and briefed to all personnel. No mechanical excavation within 1.2m of known buried service without director's approval. Operatives excavating within the area of a known live service must wear flame retardant overalls, gauntlets and hard hat with visor. Follow the guidance of AMCO procedure HS33. Temporary works and setting up of delivery HIAB jacks to take cognisance of underground services.

16 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



Network Rail Project No:

AMCO Contract No: IS0xxxx

WPP Revision: 0

			ALO plan must be produced, approved and briefed to all operatives involved in the works. Works will be
ALO	Excavation and fill works.	ALO Plan and Daily Checklist	below the level of the track however the excavator will be working in a position where it will be feasible to breach the ALO. In addition to the above all excavators are to be fitted with Kill Switch preventing excavator leaving predefined exclusion zone. Banksman to receive briefing on Kill Switch working. Prior to any excavator movements, Kill Switch to be checked each shift using mock test to ensure fit for purpose. This will involve turning on excavator and hitting the kill switch to ensure it is fully functional. Banksman and operator to maintain communications utilising Dect Comms at all times. Banksman and machine op to ensure that banksman is in a positon of safety outwith the slew/reach of the machine. If the banksman requires to enter the dig, the machine operator should idle the machine and ensure the machine is unable to be moved until the banksman regains a position of safety.
Plant Movements	During the lifetime of the site activities.		Only Trained and authorised personnel to use plant. Plant not to be overloaded and load not to restrict drivers view. Reversing horns to be working on mobile plant at all times whilst reversing. Banksman with machine at all times whilst working or travelling. Exclusion zones to be established around working / manoeuvring plant. Site records to document adherence to this. Use of VCAS system on dumpers. Exclusion zones around all operating plant. All Excavators to be fitted with Kill Switches. Banksman to assist with these movements where possible. No parking off site due to the narrow of road. Ensure entry gate is set back to allow for the safe locking and unlocking of the gate.
Lifting operations	Deliveries		All lifting to be planned and assessed with a lift plan. All members of the lifting team to sign the lift plan. All lifting equipment to be checked & records kept. All lifting to be controlled by a banksman/signaller. All lifting from a failsafe position. Exclusion zones to be established around all lifting operations.
Environmental interface	Throughout Entirety of Project		Consult with Authorities. Ecology survey has been carried out. 24hr spill response team on standby. Trained and competent staff and personnel. Well informed personnel. Fuelling over plant nappies and static plant to be set on nappies. Chemical and fuel spill kits to be positioned adjacent to the point of potential spill i.e. next to fuel bowser and flamebank. All static plant to have plant nappies underneath. All spills reported and dealt with accordingly. No refuelling or storing of COSHH materials within 10m of the river. Nesting bird survey to be carried out prior to start. Water sampling to be carried out throughout works. No fuelling operations or fuel storage within 10m of water . Do not create soil bunds adjacent to the watercourse where run off could enter the watercourse. Use of bio oil in machinery working in or adjacent to watercourse. embankment and not directly into the river. Oil booms and spill kits to be available adjacent to the worksite. Marine Licence to be in place and conditions adhered to. Site will maintain

17 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work

AMCO Contract No: IS0xxxx

WPP Revision: 0

Revision Date: 17/03/2021

		communications with fisheries during the lifetime of the project.
Hazardous substances	During the lifetime of all site activities.	Also all work to be carried out at low tide. COSHH Assessments. Methodology defined in WPP. Correct PPE and RPE. FFP3 masks to be worn when spreading stone during dry dusty conditions if required, additional water suppression is to be put in place. Suitable welfare facilities. Full rubber gloves to be worn when working with liquid materials to protect back of hands. Cover skin when mixing or working with grout or concrete. Ensure additional breaks and water is available if working in warm weather. Ensure hazardous materials are stored more than 10m away from the shore
Manual Handling	During the lifetime of all site activities.	All personnel to have received Manual Handling Training. Restriction of weight. Restriction of distance carried. Eliminate twisting when loading. Use of additional personnel. Use mechanical means where possible.
Use of small tools/hand tools/power tools	During the lifetime of all site activities.	Use of battery powered tools. Low voltage equipment (110v). Regular circuit test/PAT. HAVS assessments to be undertaken and briefed. Noise assessments to be undertaken. Ensure you complete the HAVS register at the end of each shift.
Noise	During the lifetime of all site activities.	Noise levels to be monitored and hearing protection worn if required. When noise levels reach 85db hearing protection shall be mandatory. When using any hand held power tools or near or with machinery hearing protection shall be mandatory. Letter Drop local residents before works begin.
Dust	During all drilling, cutting and working with dusty materials.	Use water supression methods at all times if dry conditions are causing dusty atmosphere. Wear FFP3 dust masks at all times during filling operations on dry dusty days. Carry out occupational health assessments. FFP3 masks to be used when cutting pipes or stone work. Ensure water bottles available with cut off saws. Monitor condition of Unamed Road and organise road sweeper if required to reduce mud/dust on surrounding roads. Haul Road to be kept clean and washed as required to reduce slips, trips and falls.
HAVS	Throughout the lifetime of all works.	Use low vibration tools. Where appropriate use anti vibration handles. HAVS monitoring to be completed daily. Ensure ELV's are not breached and actions are taken when EAV are reached. Rotate personnel Be aware of your permitted trigger times prior to starting work. Do not exceed trigger times. Note trigger times may differ to operation times. Trigger times for tools in use for these operations are whacker plate (greater than 24hrs to EAV), cut off saw (789mins to EAV), cordless drill (245mins to EAV), TE30ATC (99mins to EAV), TE40ATC (105mins to EAV). Trigger times noted within the HAVS file. Ensure you are familiar with times prior to starting an operation. If the tool to be used isn't listed stop and speak to a supervisor to acquire the required data.
Weil's Disease	Throughout Entirety of Project.	Identify locations and eliminate where possible. Carry Information card. Be aware of symptoms. Protec cuts and damaged skin. Wear appropriate PPE. Do not ingest. Personal hygiene. Inform GP if reporting 'flu symptoms

18 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work

# 



Network Rail Project No: AMCO Contract No: IS0xxxx

WPP Revision: 0

Vehicle Movements	Throughout the lifetime of this package of works.	Vehicle marshals to be used at all times on site to monitor and control plant/vehicle movements. Segregated walking routes to be formed within the compound. Gates at the compound and the main site to be closed and locked at all times. Do not leave gates open at any time. Warning notification signage to be erected on approach roads advising members of the public of the presence of Construction traffic and the site entrance. All suppliers to be notified of the Traffic Management Plan for the site including the requirement to notify/book in deliveries to allow for AMCO attendance at the gate and remove the requirement for Signage to be erected advising contact numbers for access for any suppliers who fail to notify of a delivery time. Site traffic to be advised site speed limit of 5mph. Vehicles exiting the site to give priority to vehicles entering the site to prevent a coming together. Banksman to assist with these movements where possible. Ensure site gate is set back from the main carriageway to allow for the safe locking and unlocking of the gate. Banksman and machine operators to ensure the use of Dect Comms during all plant movements.	
Sharps	Throughout the lifetime of this package of works.	Identify possible locations. If discovered, fence o and advise site management who in turn will info NR control. Do not touch or remove the sharp. Instruction on procedure in event of cutting / puncture. Encourage the wound to bleed, preven further contamination. Report to hospital, taking offending sharp with patient. Inform NR control o 0141 335 2020. Due to remote location, no expectation to find needles on this site however vigilance is key.	
Theft or vandalism	Throughout the lifetime of this package of works.	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. Remote CCTV guarding on site from Black Diamond during all periods when AMCO has no attendance on site. During busy shifts with multiple persons/contractors, store man to be used to monitor comings and goings from stores.	
Fire	Welding operations, refuelling operations and cutting of anchors.	Avoidance of accumulation of combustible material. Correct storage of gasses and highly flammable liquids. Control of sources of ignition. Firefighting equipment to be readily available, serviced and maintained. No smoking to be permitted on site. Electrical appliances and small tools to be inspected. Hot works permit. Ensure welding operations carried out by a trained and competent welder. Exclusion zone around welding operations to be set up and maintained. Fire point to be set up, one at the compound and one at the bridge. Both to contain a first aid kit, fire extinguisher set and signage advising types of fie for each extinguisher.	
Public Interface ( Local residents)	Throughout the lifetime of this	Ensure that good communication and correspondence is kept between AMCO, Network Rail and the local Council. Always ensure the area is clean and tidy. Always give public right of way and	

19 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work

# 



Network Rail Project No:

AMCO Contract No: IS0xxxx

WPP Revision: 0

	package of works.	be polite and courteous at all times. Site manager to ensure no vehicles park on the unamed road at any times without TM in place. Letter drop to be completed prior to works commencing to residents within a 200m boundary of the worksite, road closure and compound. Ensure walking route is kept clear, tidy and away from overhead services where possible. Site hazard warning signage to be erected throughout the works site. Assist vehicles entering/exiting the site onto local roads to minimise
Eye Injuries	Throughout the lifetime of this package of works.	nuisance to local residents.         Standard safety glasses to be worn for general site         work and impact resistant goggles for powered tools.         Impact resistant visors and goggles to be to         EN1661B standard. High Impact goggles to be worn         during all cutting/drilling tasks. If wearing the Bolle         tracker type glasses for high impact work, the head         band must be worn to achieve high impact status.
Environmental Spillages (Site activities)	Throughout the lifetime of the project.	Use drip trays and nappies with static plant. A&A Environmental to be on 24hr call out. Spillage granules and spill kits are to be available on site. Ensure refuelling point and storage is set up 10m (minimum) away from a known gully or watercourse. Ensure oil booms are positioned alongside the silt curtain to prevent any risk of oil from the machine entering the water course.
Fuel spillage from compound generator	Throughout the lifetime of the project.	Secure-set generator to be used (containerised, with built in fuel tank and bund to 110% capacity). Nappies to be used during refuelling. Spill kits and granules to be available on site. A&A Environmental to be on 24hr call out.
Working in inclement weather	Throughout the lifetime of this package of works.	Adequate Safety Footwear to be worn at all times. Lace up boots at all times unless wet weather working or carrying out a task with water. Remove trip obstructions. Remove signs from temporary fencing during forecast periods of high winds. Water suppression in periods of excessive heat/dry weather. Regular breaks when working in and around water. Site team to monitor the longer range forecasts daily and identify periods of concern. Where possible works to take into consideration periods of severe weather. Site to monitor water levels at periods going into and during high tide. If any concern, clear the dry working area or personnel/equipment and stop works until safe to do so. At start of the works, monitor high tide levels over a few days to identify the average height of water. During wet weather ensure drying facilities are operational and wet weather clothing is available to all. Weather station to be set up to monitor for high winds etc. Monitor long and short range weather/tide forecasts for periods of concern.
Working in a remote location.	Throughout the lifetime of this package of works.	Works are in a remote location. Signal has been checked at compound and is sufficient for raising emergency help and also making contact with head office/management. In the event of failure of phone signal, local residences to be asked for assistance. Radios to be used if required for communications between the work parties.

20 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



# 3.3 Lifesaving rules and High Risk Areas

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

Always		Never	
	√ or X		√ or X
N N N	$\checkmark$		$\checkmark$
×	$\checkmark$		$\checkmark$
4	X	K	$\checkmark$
	$\checkmark$		~
Res la construction de la constr	<b>~</b>		$\checkmark$

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
Yes	Yes	No	No	Yes
Lifting Activities	People & Plant	Railway Operations	Working at Height	Work Related Road Risk
Yes	Yes	Yes	Yes	Yes

21 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



## 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> <li>All tanks shall be bunded in accordance with the oil storage regulations.</li> <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 concrete washout 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>	
Management of silt	<ul> <li>Consideration shall be given to the silt hierarchy where potential for silt/soil pollution on site, this will be controlled by creation of a dry working area and overpump assisted by the below:</li> <li>Sediment Filtration Bags</li> </ul>	Marine Licence and Permit to Work near Water
Dust, Noise, Odour	<ul> <li>Dust from cutting or grinding to be suppressed using water</li> <li>Stockpiles of soil to be battered back</li> <li>Noise hierarchy to be followed in accordance with BS5228 – Eliminate, Substitute, Isolate, Control</li> <li>Hybrid or battery operated technology to be utilised</li> <li>Silenced plant to be used</li> <li>Screening to be used .</li> </ul>	•
Works affecting flora or fauna	<ul> <li>Ecology survey to be undertaken and recommendations complied with</li> <li>Work to stop if protected species or nesting birds found and advice sought.</li> </ul>	•
Flood Risk Management	<ul> <li>Monitoring of compliance with any permit / licence / consent affecting watercourses and flood risk</li> <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: <u>https://flood-warning-information.service.gov.uk/warnings</u></li> <li>Checking of any temporary works to ensure that they suitable and sufficient to cope with seasonal weather / river flows</li> <li>Measures to be established to prevent debris entering the watercourse which may pose a flood risk.</li> </ul>	•

22 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work

AMCO Contract No: IS0xxxx



Revision Date: 17/03/2021

	Where possible, materials, plant and other items shall be stored at least 10m from the watercourse edge or, preferably, off the flood plain altogether.
Nesting birds	Nesting bird survey to be carried out prior to works     commencing
Potential for otters	<ul> <li>Carry out works during daytime hours to prevent disturbance to foraging/commuting otters.</li> <li>If habitat is discovered then stop works and consult specialist ecologist.</li> <li>Install pipe through dry working area to allow for passage of otters and other wildlife/aquatic life</li> </ul>

#### 4.2 Waste management arrangements

AMCO GIFFEI

 Our Lifesaving Rules

 everyoar

 immesafe

 immesafe

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)
Mixed Waste	Skip	No	Non-Haz	D
Excavated material	Loose	Yes	Non-Haz	D

#### **5 Emergency Arrangements**

#### 5.1 Site emergency arrangements

#### 5.1.1 First aid arrangements

#### 5.1.1.1 *The first aid arrangements for this package of work are*

	Name	Qualifications
first aiders	Charlie Robertson	British Red Cross Trained
inot aldoro		St Andrews Ambulance Trained
	David Findlay	St Andrews Ambulance Trained
	Minor Injuries, Falls From Height	t, knocked down, drowning.
Likely injuries		
associated with		
this work package		
	Equipment	Location
First aid equipment	— q=:p=:==	
provision	First Aid Boxes, rescue	Supervisor's vehicle + Site
providion	equipment, accident book. Life	vehicles + site offices + First
	ring and safety line set up	Aid Points + life ring point.
	downstream and upstream of	0.1
	the works. Operatives entering	
	the watercourse or working	
	within close proximity to the	
	water course to have life	
	jackets issued along with	
	waders. Only enter water	
	course during low tide times.	
	course during low lide littles.	

23 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



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 No plant or materials will be left unsecured on site at any time – only remaining items that will be left on site are site fencing and locked/secured plant. CCTV active out with working times. Return all plant and materials to the compound for storing overnight. All loose plant & materials to be removed from dry working area outwith operational hours.

#### 5.1.5 Environmental Emergencies

- 5.1.5.1 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

This will be via mobile phone. The compound will be given as the site location and this can be found within the WPP. On arrival the emergency services will be met by the nominated person (Site Supervisor)

24 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



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

#### 5.1.6.1

	Contact Details
ECO	N/A
Signal box	TBC

Protection	See SSOW Pack
FIOLECTION	
Signals Ref	
Signals Rel	

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
- 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
- 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 - tbc

#### 5.1.8 Asbestos

5.1.7.1 N/A

25 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



#### 5.1.9 Utilities

5.1.8.1 Buried service pack will be obtained by AMCOGiffen for the works and this will be available on site during construction works

Organisation	Contact details
Electricity	0800 300 999
Gas	0800 111 999
Telecoms	0800 800 154
Water	0800 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 to the compound will be signed from AMCO site compound, Lammerslaw Road, Burntilsand, KY39BS. The site route will be via the foot and road ways within the car park.

#### 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.

#### 6.4 Rail Traffic Management

6.4.1 All works requiring to access from track will be carried out during a Line Blockage. Any persons accessing the line must be in possession of a PTS card or TVP. ES/SWL2 to set up worksite. COSS with SWL1 competencies to complete briefing of SSOW pack info. All personnel to ensure they have Network Rail approved PPE and cap lamps for night working. All OTP will access on the down line from Burnt Island RRAP access controlled by CC.

#### 6.5 Road Traffic Management

6.5.1 The works will not require traffic management.

26 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



## 7 Hand Over and Hand Back Arrangements

#### 7.1 Hand over and hand back arrangements

7.1.1 Certificate of Completion will be sought from Network Rail on completion of the works. Handback file will be produced by AMCOGiffen and submitted to Network Rail.

27 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work





AMCO Contract No: IS0xxxx

WPP Revision: 0

Revision Date: 17/03/2021

**APPENDICES – Supporting information** 

# Appendix 1 – Site Specific Risk Assessment

**RISK ASSESSMENT** 

# AMCO-GIFFEN

Work Activity: WPP002 Coastal Defence Works Contract Name: 200/494 & 565 Burntisland Contract Number: ISOOXXXX

Note for the Risk Assessor

Where the residual risk is high or medium then further control measures to reduce the risk should be considered. Use guidance table below.
 Where the residual risk is h

SEVERITY		PROBABILITY		RISK	×
NON	4	1 NOT LIKELY	1	NOT	1 TO 6
SLIGHT - FIRST AID TREATMENT	2	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	HOIH	16 TO 25
HIGH - MAJOR INJURY / DEATH	4	LIKELY - OTHER FACTORS THEN WILL HAPPEN	4		
VERY HIGH - MULTIPLE DEATH	5	VERY LIKELY - WAITING TO HAPPEN	5		

28 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work





AMCO Contract No: IS0xxxx

WPP Revision: 0

		Dist																										
	ual	Risk		ŝ				_		ŝ	_			_			4		_		-	s						
	Residual	Probability		-						-							-					-						
M	_	Severity		s						s							4					s						
SME		Procedures		HS66						HS66							HS31					HS52	HS44	HS57				
RISK ASSESSMENT		Risk Control and Minimisation Measures	Site Hazards / Risks	<ul> <li>Separated green zone to be in place using double</li> </ul>	clipped heras fencing and stabilised using	concrete sleepers in accordance to sketches in WPP & TB's.	<ul> <li>SSWOP's Pack, COSS Brief, PTS trained</li> </ul>	operatives.	<ul> <li>All works to comply with rule book GE/RT8000.</li> </ul>	<ul> <li>ALO Responsible Manager, Planner &amp; Co-</li> </ul>	ordinator	<ul> <li>Competent Driver operators with a Competent</li> </ul>	Banksman in attendance	<ul> <li>Selective excavator boom range Machine tracks</li> </ul>	parallel with face of rock armour, not reach to	within 3m of running rail	<ul> <li>Fencing to be erected as shown in WPP to allow a</li> </ul>	delivery pull in point at Ynyslas Yard where they	can then await assistance from the site manager.	<ul> <li>All deliveries to be supervised by a nominated</li> </ul>	vehicle marshall.	<ul> <li>Permit to work in watercourse to be issued by the</li> </ul>	Amco representative.	<ul> <li>Only suitably experienced personnel to work on</li> </ul>	project. Lifejackets or dry to be worn by all	personnel while on riverbanks or working on or	near the river.	<ul> <li>Ensure time is given for allowance of machinery to not be overcome by tidal conditions</li> </ul>
		Risk	Haza	20						20							16					20						
	Initial	Probability	Site	4						4							4					4						
		Severity		s						s							4					s						
AMCOGIFFEN		Hazard Outcome			<ul> <li>Damage to the</li> </ul>	infrastructure.				<ul> <li>Persons struck by trains.</li> </ul>	<ul> <li>Damage to the</li> </ul>	infrastructure.	<ul> <li>Damage to plant or</li> </ul>	equipment				<ul> <li>Close proximity to level</li> </ul>	crossing			<ul> <li>Falls into watercourse</li> </ul>	<ul> <li>Flooding</li> </ul>	<u>5</u> ,	<ul> <li>Unsafe conditions for</li> </ul>	machine access around the	water course	
AMCO		Hazard			near the	infrastructure				Operational Railway – ALO	Working		^					ce with	vehicles on B4353			Working within Watercourse	- personal injury, damage or	flooding to plant				

29 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work





AMCO Contract No: IS0xxxx

WPP Revision: 0

																							٦
	le	Risk					4										4						
	Residual	Probability					4										+						
NT	"	Severity					Ŧ										4						
SME		Procedures					HS52 HSAA										HS33						
RISK ASSESSMENT		Risk Control and Minimisation Measures	<ul> <li>Life rings and life lines to be in place and personnel briefed on using them in emergencies</li> <li>River flows to be monitored at all times during</li> </ul>	the works by the subcontractors supervisor & Amco representative, particular attention given	<ul> <li>to ensure incoming river does not affect safe operation of personnel or plant.</li> <li>Uncafe conditions due to rising in river flows etc</li> </ul>	will be ceased.	All plant and machinery to inspected for oil leaks     arise to use dank defects to be reported to	Amoo/external plant hire.	<ul> <li>Bio-degradable oil to be used for all plant working</li> </ul>	in or near river.	<ul> <li>All re tuelling to be carried out at the site</li> </ul>	<ul> <li>Compound over plant napples</li> <li>Temporary works to be in plane as ner EA</li> </ul>	consent to prevent contamination caused by	permanent works.	<ul> <li>Suitably sized spill kits to be in place on the work</li> </ul>	area when operating plant etc	<ul> <li>Desk top study of buried service report.</li> </ul>	<ul> <li>CAT scanning to be carried out by certified</li> </ul>	personnel.	<ul> <li>Hand dig in areas within the regions of buried</li> </ul>	services have been identified.		
		Risk					16										16						
	Initial	Probability					4										4						
		Severity					4										4						
AMCO GIFFEN		Hazard Outcome					<ul> <li>Pollution to a main river, sea or 5551 Site</li> </ul>										<ul> <li>Damage to buried utility</li> </ul>	services.	<ul> <li>Damage to buried/surface.</li> </ul>			<ul> <li>Disruption to operational infrastructure</li> </ul>	
'n							А	А								_	A		A		Α.	A	$\frac{1}{2}$
AMCC		Hazard					Working within Watercourse - Environmental										Services – Buried and surface						

30 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work





AMCO Contract No: IS0xxxx

WPP Revision: 0

		Risk			•					2	4				<b>m</b>				m						m	
	Residual	Probability			-										Ţ				-						+	
Ţ	Re	Severity			m					2	4				m				m						m	
MEN		Procedures			HS49					HS54	HS33				HS30				HS30						HS30	
RISK ASSESSMENT		Risk Control and Minimisation Measures	<ul> <li>Bulk timbers / plywood utilised to navigate heavy machinery / nast trough routes and</li> </ul>	surface cables.	<ul> <li>Working at height justification check sheet to be</li> </ul>	complete.	<ul> <li>Permit to work at height to be complete and</li> </ul>	signed off.	<ul> <li>All working at height equipment to be certified.</li> </ul>	<ul> <li>Letter drop to advise of times working in close proximity to properties.</li> </ul>	<ul> <li>Awareness of cable routes / ducting affixed to</li> </ul>	structures (if necessary).	<ul> <li>All services to be located and briefed in the site</li> </ul>	induction prior to works commencing.	<ul> <li>Workforce awareness.</li> </ul>	<ul> <li>If large amounts are identified, a specialist</li> </ul>	contractor will be brought in to remove from	site and dispose of in a licensed facility.	<ul> <li>Attention to be paid and workforce awareness of</li> </ul>	pedestrians and road traffic within station area.	<ul> <li>Vehicle marshal to escort large Lorries for</li> </ul>	deliveries of plant and materials to site.	<ul> <li>Exclusion zones to be in place to segregate the</li> </ul>	vehicles from pedestrians.	<ul> <li>Along pre determined routes from authorised</li> </ul>	access points as given to you in the site induction.
		Risk			12										6				12						6	
	Initial	Probability			4					4	2				m				m						m	
	-	Severity			m					2	4				m				4						m	
GIFFEN		Hazard Outcome	Damage to plant and equipment		<ul> <li>Falls from height.</li> </ul>	<ul> <li>Workforce injury.</li> </ul>				Nuisance to residents.	<ul> <li>Striking service.</li> </ul>	<ul> <li>Damage to plant and</li> </ul>	equipment.	> Damage to infrastructure.		<ul> <li>Workforce injury (needle</li> </ul>		> Illness.		<ul> <li>Contact with road traffic.</li> </ul>						Morkforce injury.
AMCOGIF		Hazard			Working at Height					Private residential properties	Overhead services	(Power/Telecoms)			Sharps / Needles on site				Access / egress – to/from	access point					Access / egress – between	access point and worksite

31 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work





AMCO Contract No: IS0xxxx

WPP Revision: 0

	$\square$	Risk					Т									Т							Π
	ual			m			+	n								ŀ	đ						+
	Residual	Probability		-			-	•								ŀ	•						
NT		Severity		m				n									t						
SME		Procedures		HS30				HSSU								0000	USCH	HS49					
RISK ASSESSMENT		Risk Control and Minimisation Measures	<ul> <li>All access / egress routes will be pre-determined and accessed, any tripping hazards with be marked or removed.</li> <li>Exclusion zones to be in place to segregate the plant from pedestrians.</li> <li>Site to be kept safe clean and tidy at all times.</li> </ul>	<ul> <li>Workforce awareness.</li> </ul>	<ul> <li>Management environmental training.</li> </ul>	<ul> <li>Ecologist to visit site to complete initial survey.</li> </ul>		<ul> <li>Appropriate PPE to be worn and open wounds</li> </ul>	covered.	<ul> <li>Staff trained in problems such as Weils Disease</li> </ul>	and associated hygiene requirements.	<ul> <li>Be aware of symptoms.</li> </ul>	<ul> <li>Protect cuts and damaged skin.</li> </ul>	<ul> <li>Leptospirosis cards to be carried out by staff.</li> </ul>	<ul> <li>Hand washing prior to eating to be briefed in the</li> </ul>	site induction.	<ul> <li>wind to be monitored on a regular basis and it</li> </ul>	supervisor states that it is not safe for working	works will be ceased.	<ul> <li>Ensure no works are carried out at height such as</li> </ul>	from aluminium towers when high winds are	forecasted.	•
		Risk		6				ת								:	71						
	Initial	Probability						n								,	n						
		Severity		m			,	n								,	t						
AMCOGIFFEN		Hazard Outcome		<ul> <li>Contamination.</li> </ul>	<ul> <li>Impact on protected</li> </ul>	species/fauna.		<ul> <li>Leptospirosis / Weil's</li> </ul>		r Illness								<ul> <li>Contact between Timber</li> </ul>		Falls From Height			
AMCO		Hazard		Possible discovery of	'Protected species, fauna or	invasive species'.		Intestation of rodents, vermin									Exposure to High Winds						

32 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



AMCO Contract No: IS0xxxx

WPP Revision: 0

	al	Risk		4															9											
	Residual	Probability		-															5											
Ν	"	Severity		4															ŝ											
SME		Procedures		HS41	HS57														HS41	HS57										
RISK ASSESSMENT		Risk Control and Minimisation Measures	Activity Hazards / Risks	<ul> <li>Certified plant and equipment.</li> </ul>	<ul> <li>Only fully trained/authorised personnel are</li> </ul>	permitted to use machinery.	<ul> <li>Exclusion zones to be in place for</li> </ul>	loading/unloading area.	<ul> <li>Physical bunds to be in place to prevent runaway</li> </ul>	plant when working on slope.	<ul> <li>Suitable loading/unloading point identified at</li> </ul>	access point.	<ul> <li>Banks man in attendance for all machine</li> </ul>	movements.	<ul> <li>Ground conditions checked by a competent</li> </ul>	person.	<ul> <li>Lift plans to be produced and signed for all lifting</li> </ul>	operations specific to each task.	<ul> <li>RRV Plant &amp; Associated equipment procured</li> </ul>	from single approved supplier with RPOL	<ul> <li>Competent Crane/Machine controller to be</li> </ul>	appointed to control on/off tracking and on track	plant movements by maintaining exclusion zones	round plant whilst positioned in a Position of	Safety	<ul> <li>Plant shall only be operated by competent</li> </ul>	authorised operators (CPCS/NCCA certs)	<ul> <li>Plant shall only be used for lifting when a lift plan</li> </ul>	has been prepared by a competent lift planner	and all operational checks have been carried out
		Risk	ty Ha	16															20											
	Initial	Probability	ctivit	4															4											
		Severity	A	4															s											
AMCOGIFFEN		Hazard Outcome		<ul> <li>Workforce injury (crushing).</li> </ul>	<ul> <li>Damage to plant and</li> </ul>		<ul> <li>Damage to infrastructure.</li> </ul>														<ul> <li>Lifting Operations</li> </ul>									
AMCO		Hazard		Use of plant and equipment -	Mechanical	<ul> <li>Lifting operations</li> </ul>	Workforce	<ul> <li>Stability on Uneven</li> </ul>	grounds										Use of On Track Plant – RRV's											_

33 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work





AMCO Contract No: IS0xxxx

WPP Revision: 0

		Risk								Т														
	ual				2					•	m								m		m			_
	Residual	Probability			-					ŀ	-								-		-			
NT	-	Severity			2					,	m								m		m			
SME		Procedures			HS41	HS57	HS37				HS41	HS5/	HS40						HS57		HS30			
RISK ASSESSMENT		Risk Control and Minimisation Measures	<ul> <li>Lifting shall only taking place on level firm ground</li> <li>Plant and trailer braking systems shall be checked before on tracking</li> </ul>	<ul> <li>Plant movements will take place at walking pace (3-5mph)</li> </ul>	<ul> <li>Fit for use plant under PUWER regulations.</li> </ul>	<ul> <li>Use noise reduced plant (if necessary).</li> </ul>	<ul> <li>Use of hearing protection and correct PPE for the</li> </ul>	task.	<ul> <li>Rotation of the workforce using plant to reduce exposure times</li> </ul>		<ul> <li>Complete a HAV register for each operative;</li> </ul>	ensuring maximum exposure times are not	exceeded.	<ul> <li>Use hand tools that have low HAV characteristics.</li> </ul>	<ul> <li>Wearing of normal work gloves and correct PPE</li> </ul>	for the task.	<ul> <li>Rotation of workforce using tools to reduce</li> </ul>	exposure times.	<ul> <li>Dust masks to be worn at all times whilst mixing</li> </ul>	of cutting and trimming of greenheart timber.	<ul> <li>Inspect all plant and machinery for leaking parts</li> </ul>	prior to use.	<ul> <li>Refuelling of plant in designated areas only.</li> </ul>	<ul> <li>Adequate numbers of spill kits on site.</li> </ul>
		Risk			12						17								12		12			
	Initial	Probability			4						4								4		4			
		Severity			m					,	m								m		m			
GIFFEN		Hazard Outcome			Loss reduction of hearing	function.					HAV injuries.								<ul> <li>Loss of respiratory function.</li> </ul>	Y Illness.	<ul> <li>Spillages.</li> </ul>	<ul> <li>Contamination.</li> </ul>		
AMCOGIF		Hazard			Use of plant and equipment -	Working with noise					Use of plant and equipment -	Working with vibration							Dust		Use of plant and equipment –	Polluting of working area		

34 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work





AMCO Contract No: IS0xxxx

WPP Revision: 0

		Risk																										
	dual	Probability		m						_	e					_	m							_	4			_
	Residual										1						-							_	-			
Z		Severity		m							m						m								4			
SME		Procedures		HS39	HS57						HS30						HS57	HS38							HS57	HS15	HS69	HS32
RISK ASSESSMENT		Risk Control and Minimisation Measures	<ul> <li>Small fuel containers and hand held plant to be stored on drip trays.</li> </ul>	<ul> <li>All machinery to be checked for leaks prior to</li> </ul>	use.	<ul> <li>Gloves and goggles to be worn at all times during</li> </ul>	refuelling and mixing of cement.	<ul> <li>Fit for purpose PPE used in accordance with</li> </ul>	COSSH assessments.	<ul> <li>COSSH data sheets briefed and on site.</li> </ul>	<ul> <li>Adequate numbers of in date fire extinguishers</li> </ul>	on site (Do not use water fire extinguishers).	<ul> <li>Muster point to be inducted to each personnel.</li> </ul>	<ul> <li>Only refuel plant once it has been turned off.</li> </ul>	<ul> <li>Designated refuelling point.</li> </ul>	<ul> <li>All fuel to be stored in fire safe lock box.</li> </ul>	<ul> <li>Use mechanical means where possible.</li> </ul>	<ul> <li>Kinetic lifting.</li> </ul>	<ul> <li>No more than 20kg per man.</li> </ul>	<ul> <li>Correct P.P.E. to be worn.</li> </ul>	<ul> <li>Regular tool box talks on manual handling.</li> </ul>	<ul> <li>Manual handling assessments to be produced for</li> </ul>	awkward or repetitive manual handling tasks and	briefed to operatives.	<ul> <li>Adequate numbers of trained first aiders and first</li> </ul>	aid boxes on site.	<ul> <li>Accident reporting forms on site.</li> </ul>	<ul> <li>Emergency and accident reporting plans in place.</li> </ul>
		Risk		12							12						12								12			
	Initial	Probability		4							4						4								m			
		Severity		m							m						m								4			
GIFFEN		Hazard Outcome		Illness / injury		Ground Contamination					Fire.	Workforce injury (Burns)		equipment.	Damage to infrastructure.		Musculoskeletal injuries.								Workforce injury.	Damage to plant and		Damage to infrastructure.
ň				А	A	A				_	A	Å	A		A		A							_	A	A		A
AMCOG		Hazard		COSSH substances – Diesel,	petrol & hydraulic oil.						Sources of ignition						Manual handling of small	plant/equipment and	materials						Accidents			

35 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work





AMCO Contract No: IS0xxxx

WPP Revision: 0

Revision Date: 17/03/2021

	al	Risk		m	
	Residual	Probability		<del></del>	
NT	"	Severity		m	
SME		Procedures		HS57	
RISK ASSESSMENT		Risk Control and Minimisation Measures		<ul> <li>All personnel and visitors to wear the minimum requirement for PPE including: hard hat, safety</li> </ul>	boots, hi visibility waist coat or jacket, hi visibility trousers and gloves.
		Risk		6	
	Initial	Probability		m	
		Severity		m	
GIFFEN		Hazard Outcome	<ul> <li>Safety of operational railway.</li> </ul>	> Work force injury.	
AMCOGIFF		Hazard		Personal Injury	

36 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



# Appendix 2 – Site Layout Plan

# 200/564 Burntisland (Sections 1-3)

Sections 1, 3, 5, 8 & 10

Poorest-condition defence



Section 1 18.0020-18.0235

high.

Section 2 18.0235-18.0450 Section 3 18.0450-18.0830

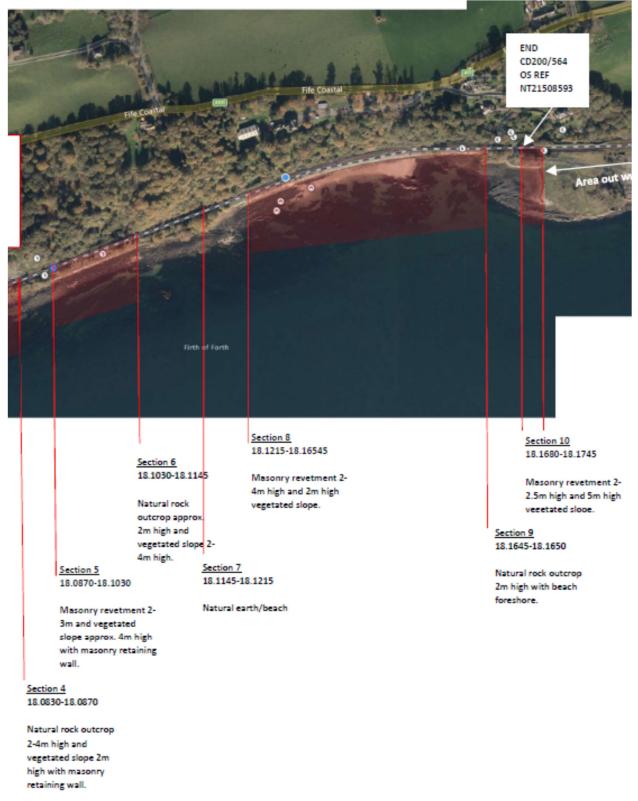
Masonry revetment approx. 4m high and vegetated slope 6-8m Natural rock outcrop

Masonry revetment 2-4m high and coastal footpath 4m high.

37 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



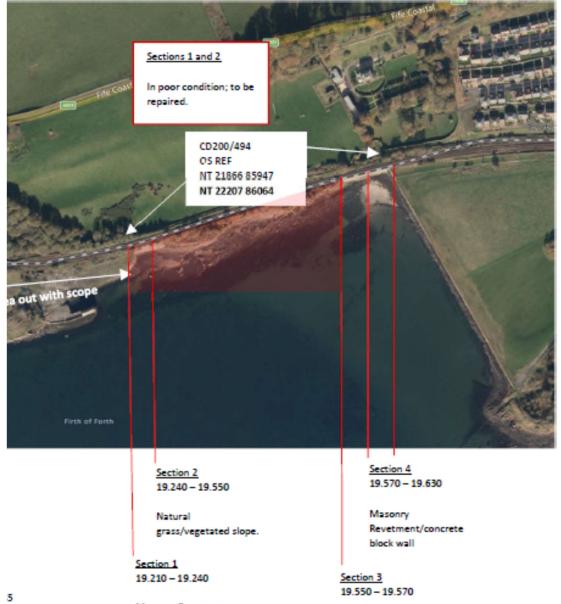
200/564 Burntisland (Sections 4-10)



38 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



200/494 Burntisland (Sections 1-4)



nent 2im high Masonry Revetment and vegetated slope. Revetment height approx. 2m and 4m to railway line.

> Recent Repairs 19.210 - 19.630

Concrete bagwork sea

wall.

Removal of vegetation and installation of rock armour along length

39 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work



# Appendix 3 – Route to Hospital

Queen Margaret Hospital Whitefield Road Dunfermline KY12 0SU 01383 623 623

Bow	ershall	Auchtertool
Wellwood	Town all B 1023 194 Mossmorran	
Dunfe	endire	nearn
ford	DULOCH Aberdour	A Burnt stand
Google	PITREAVE	Rebordana@2027
From: 🛛 Burnti	island, UK n Margaret Hospital, Whitefield Road, Dunfermline, UK	Distance:9.7 miles Time: 21 mins
Distance	Directions	Total
Start:	Burntisland, UK	
0.0	Head north-west on Kirkgate	0.0
0.0	At the roundabout, take the <b>2nd</b> exit onto <b>High St</b>	0.0
0.2	At the roundabout, take the 1st exit onto Cromwell Rd/A921	0.2
0.3	At the roundabout, continue straight onto <b>Cowdenbeath Rd/A909</b> Continue to follow A909	0.5
2.9	Turn left to stay on A909	3.4
0.0	Turn right to stay on A909	3.5
1.2	At the roundabout, take the 1st exit onto B925	4.7
2.4	Turn right onto Main St/B981	7.1
0.0	Turn left onto Dunfermline Rd/B925	7.1
0.4	At the roundabout, take the <b>2nd</b> exit onto <b>A92</b>	7.5
0.5	At Halbeath Junction, take the 3rd exit onto A907 Go through 1 roundabout	8.0
0.5	At the roundabout, take the 3rd exit onto Halbeath Rd/A907	8.5
0.3	At the roundabout, take the <b>2nd</b> exit and stay on <b>Halbeath Rd/A90</b>	<b>07</b> 8.7
0.4	Turn right onto Whitefield Rd/B912	9.2
0.3	Turn left	9.4
0.1	At the roundabout, take the <b>2nd</b> exit onto <b>Access Rd 3</b> Destination will be on the left	9.6
0.1	Arrive: Queen Margaret Hospital, Whitefield Road, Dunfermline, U	K 9.7
	Section time: 21 mins 17 s, Total time: 21 mins 17 s	

40 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work





AMCO Contract No: IS0xxxx

WPP Revision: 0

Revision Date: 17/03/2021

Appendix 4 – Spare

41 of 41	Proforma uncontrolled when printed	RFM-HS-006-04
Parent Procedure:	HS52: Planning and Managing Ra	ail Construction Work