

# A83 Rest and Be Thankful

MTS EIAR VOLUME 4, APPENDIX 4.2 First Iteration  
Environmental Management Plan

Transport Scotland

A83AAB-AWJ-EAC-MTS\_GEN-RP-LE-000449

## A4. First Iteration Environmental Management Plan

### A4.1. Introduction and Background to Project

#### Purpose of the First Iteration Environmental Management Plan

- A4.1.1. A first iteration of the Environmental Management Plan (FIEMP) has been produced in accordance with [Design Manual for Roads and Bridges \(DMRB\) LA 120 'Environmental management plans'](#) (hereafter referred to as DMRB LA 120), as an appendix to the Environmental Impact Assessment (EIA) Report for the A83 Rest and Be Thankful Medium-Term Solution (hereafter referred to as the Proposed Scheme). According to DMRB LA 120, the EMP “*shall set out the conclusions and the actions needed to manage environmental effects identified within the environmental assessment during construction and operation of a development*”.
- A4.1.2. DMRB LA 120 stipulates that a FIEMP shall be produced at the design stage of the Proposed Scheme and thereafter it should be refined and updated for the consented project in advance of construction, and at the end of construction to support future management and operation. To reflect the current stage, the EMP is referred to as the FIEMP.

#### The Project

- A4.1.3. The A83 Trunk Road through Glen Croe is the highest point on the A83 (approximately 265m Above Ordnance Datum (AOD)) and lies in a known risk area for landslides and debris flow. These events have increased in frequency and severity over recent years due to an increase in intense and prolonged rainfall.
- A4.1.4. In addition to the development of a permanent solution to address the landslide and debris flow risk to the A83 (known as the 'Long-Term Solution' (LTS)), interventions are proposed to the existing privately owned Old Military Road (OMR) which runs parallel to the A83 and is currently used as an emergency diversion route when the A83 is closed (known as the 'Medium-Term Solution' (MTS)).
- A4.1.5. The purpose of the Proposed Scheme, is to deliver a safe, proportionate and more resilient diversion route along the OMR when the A83 Trunk Road is closed. The interventions will be in place prior to the construction of the LTS and will reduce disruption to road users during the LTS construction.

A4.1.6. The Proposed Scheme location as it passes through Glen Croe is shown in Plate 1.



**Plate 1 – Proposed Scheme Location (red inset box)**

A4.1.7. Key components of the Proposed Scheme include the following (see Volume 2, Chapter 4: The Proposed Scheme for further detail):

- introduction of debris catch fences above the A83
- extension of the existing HESCO Barrier by approximately 150m
- construction of a new earth bund adjacent to the OMR, and within the disused quarry adjacent to the A83
- widening of the existing single-track OMR over a length of 1.4km to provide a total two-way carriageway length of 2.1km
- targeted widening at three sharp bends to ease movement for larger vehicles
- installation of a new proprietary structure at Croe Water to facilitate two-way operation and widening of Bridge B
- improved road and cut-off drainage throughout the widening works
- installation of 14 new culverts and extension of three existing culverts to upsized diameters and

- in-channel watercourse reprofiling.

- A4.1.8. Through the introduction of these interventions, improvements will be made to safety, operational capacity and resilience, and reduce journey times when in operation.
- A4.1.9. Improvements to safety and resilience through the introduction of measures including landslide mitigation measures of bunds and fences to provide a barrier to any potential future debris flow or landslide events and provide a safer environment for either a diversion or the clean-up of the event. The resilience of the OMR will also be improved through upgrading drainage and watercourse crossings to provide additional capacity to allow the route to operate under a 1 in 50 year storm event.
- A4.1.10. It is currently anticipated that construction will last for one year duration following appointment of a Contractor, based on a continuous working approach. The Appointed Contractor is required to update and monitor the construction programme throughout the duration of the Proposed Scheme this should include reference to timings for discharging the mitigation measures. A copy of the construction programme should be included in Annex H: Construction Programme of the Appointed Contractor's Second Iteration Environmental Management Plan (EMP).

#### Environmental Context and Constraints

- A4.1.11. The Proposed Scheme is located within Glen Croe, within the Loch Lomond and The Trossachs National Park (LLTNP) (Northern Area) and is adjacent to the North Argyll Area of Panoramic Quality. The northern section of the Proposed Scheme is within the Argyll Forest Park.
- A4.1.12. At the northern extent of the glen there is a viewpoint and car park known as the 'Rest and Be Thankful' viewpoint which offers a view south across the entire glen. This is the site of a Category C listed structure – 'Rest and be Thankful' Stone,
- A4.1.13. The Proposed Scheme is not located within any designated sites. However, several designated sites are present within the vicinity, including the [Beinn an Lochain Site of Special Scientific Interest \(SSSI\)](#) which is located adjacent to the Proposed Scheme. Within the wider area, the [Glen Etive and Glen Fyne Special Protection Area \(SPA\)](#) is located 2.2km to the north of the Proposed Scheme and [Loch Lomond Woods Special Area of Conservation \(SAC\)](#) is located approximately 5.5km to the east.
- A4.1.14. Two private residences are located immediately adjacent to the Proposed Scheme, including, of particular importance, an agricultural business (farm) on the lower flanks of Glen Croe which utilises the OMR for access. The land immediately surrounding the Proposed Scheme comprises of fields of improved

and semi-improved pasture, agricultural outbuildings, small areas of forestry plantation and rough grazing.

A4.1.15. The location of the Proposed Scheme in relation to the local area and key environmental constraints is shown on Figure 1.2 of the EIA Report as provided in Annex A: Environmental Features) of this FIEMP.

### Project Objectives

A4.1.16. The key objectives of the Proposed Scheme as reported in the EIA are as follows:

- increase resilience of a temporary diversion route by reducing the likelihood of closure due to landslides, flooding, or other incidents
- maximise the operational benefits of a temporary diversion route, for all vehicles, by providing a route that achieves a proportionate balance of time to implement, cost and impact and
- reduce the likelihood of accidents on a temporary diversion route.

A4.1.17. The objectives align with the design strategy and objectives in [DMRB GG 103](#) (Introduction and general requirements for sustainable development and design) and [DMRB LD 117](#) (Landscape design).

## A4.2. Project Team Roles and Responsibilities

### Roles and Organisations Involved in the Delivery of the FIEMP

A4.2.1. Transport Scotland will be responsible for overseeing management of the Proposed Scheme. Some of the site supervision roles involved in the delivery of the mitigation detailed within the FIEMP will be the responsibility of the Appointed Contractor such as the Ecological Clerk of Works (EcCoW).

A4.2.2. The Appointed Contractor will be responsible for the construction phase of the Proposed Scheme, this will include for the appointment and management of any subcontractors. The Appointed Contractor will be contracted in writing by Transport Scotland to plan, manage, monitor and coordinate health and safety during this phase. The Appointed Contractor will also be responsible for overseeing environmental management on site (including construction site compounds) and will have responsibility for updating the FIEMP once the design and construction stage plans have been finalised. Furthermore, they will provide an updated EMP to Transport Scotland for monitoring during future management and operation of the Proposed Scheme.

A4.2.3. The Appointed Contractor will be required to delegate responsibilities (prior to and during construction) to experienced onsite personnel within the key areas of the site. The delegation of responsibilities will be clearly identified within relevant Proposed Scheme documents and site files.



A4.2.4. A summary of key personnel and a summary of their anticipated responsibilities are provided in Table A4-2.1. The responsibilities of onsite personnel will be clearly identified within relevant project documents and site files. The Appointed Contractor will be required to keep a record of competent expert statements including contact details and lines of escalation for personnel involved in the implementation, reporting and monitoring of the environmental mitigation. Key roles for which records will be kept include those described below in Table A4-2.1.

**Table A4-2.1-1 Key Project Organisations and Associated Responsibilities**

Organisation	Responsibility
Transport Scotland Project Manager	<ul style="list-style-type: none"> <li>- Overseeing and monitoring the implementation of the Proposed Scheme including the responsibilities of those roles identified through this table.</li> </ul>
Appointed Contractor’s Environmental Clerk of Works (ECoW)/Environmental Specialists	<p>The responsibilities of the ECoW include but are not limited to:</p> <ul style="list-style-type: none"> <li>- Monitoring the implementation of the EMP</li> <li>- maintaining environmental records and delivering any specific mitigation as detailed in the Record of Environmental Actions and Commitments (REAC)</li> <li>- providing guidance for the site team in dealing with environmental matters, including legal and statutory requirements affecting the works</li> <li>- reviewing environmental management content of method statements</li> <li>- reporting environmental performance to the Site Manager</li> <li>- liaison with statutory bodies with an environmental interest throughout the construction works</li> <li>- producing and undertake environmental toolbox talks and</li> <li>- ensure the appropriate precautions are taken at specific locations during construction through the identification of appropriate skills.</li> </ul>
Appointed Contractor’s Ecological Clerk of Works (EcCoW) (and Ecological Operatives)	<p>The responsibilities of the EcCoW will include but are not limited to:</p> <ul style="list-style-type: none"> <li>- manage ecological operatives undertaking pre-construction surveys and any advance mitigation measures</li> <li>- advise on protected and notable biodiversity receptors during construction and provide practical and on-site support</li> <li>- produce Species Protection Plans and other protection Plans set out in the LEMMP</li> <li>- manage ecological operatives engaged in ecological mitigation activities during construction, such as undertaking ecological watching briefs and translocation of protected species and</li> <li>- manage protected species licencing as necessary.</li> </ul>

Ecologist (acting on behalf of Transport Scotland)	<ul style="list-style-type: none"> <li>- Auditing the Contractor's EcCoW to confirm compliance with specific mitigations.</li> <li>- Engage with and, where required, provide technical guidance to the Contractor's EcCoW.</li> </ul>
Appointed Contractor's Community Liaison Officer	<ul style="list-style-type: none"> <li>- Providing consultation and engagement with and between all relevant parties in relation to the Project including site personnel, Transport Scotland, relevant local authorities; other statutory bodies and regulatory authorities, community groups; and residents affected by the construction works.</li> <li>- Notifying owners and occupiers of nearby properties of the nature and anticipated duration of planned construction works that may affect them.</li> <li>- Establishing a dedicated freephone telephone helpline, email address and postal address for enquiries and complaints. These details will as a minimum be displayed on signs around the site as well as being published on the project website. All enquiries and complaints will be logged by the Community Liaison Officer in a register and appropriate action will be taken and recorded in response to any complaints received.</li> </ul>

A4.2.5. Further information on the key project roles and environmental responsibilities are detailed in the REAC (Table 4-2.3). These will be reviewed and agreed in subsequent stages. Upon appointment the Appointed Contractor will confirm individual names and contact details for each role and the FIEMP will be updated where applicable prior to the commencement of construction.

## A4.3. Environmental Actions and Commitments

### Record of Environmental Actions and Commitments

A4.3.1. The REAC (provided in Table 4-2.3) identifies the environmental commitments made during the design stage to address the potential environmental effects of the Proposed Scheme as detailed within the EIA Report. Table A4-2.2 provides the EIA Report chapter numbers which relate to the mitigation item codes used in the REAC.

**Table A4-2.2 Mitigation Item References**

Chapter Number	Chapter Title	Mitigation Item Reference
Chapter 1 – 6	Various	GEN
7	Population and Human Health	PH
8	Geology, Soils and Groundwater	GSG
9	Landscape	LV
10	Visual	LV

A4.3.2. Volume 2, Chapter 12: Schedule of Environmental Commitments of the EIA Report collates the environmental mitigation from those chapters listed in Table A4-2.2 above and those carried through to the schedule from the EIA Screening / Scoping Report, each of which have their own unique identifier which relates to Volume 4, Appendix 6.1 Summary of EIA Scoping.

A4.3.3. The REAC will be updated throughout the design and construction of the Proposed Scheme and will be finalised at the end of construction period upon completion of the Proposed Scheme. Following completion of the construction works the Third Iteration EMP (TIEMP) will be provided to Transport Scotland for the future maintenance and operation.

A4.3.4. The REAC states at which stage of the project the environmental mitigation commitment is aligned to. The management and monitoring of change will be the responsibility of the Appointed Contractor and will be recorded in Annex E: Copy of Evaluation of Change Register, as appropriate.

A4.3.5. The REAC requires the Appointed Contractor to produce and develop multiple Environmental Management Plans and Method Statements which will be updated throughout the construction period as appropriate. Annex B: Relevant Management Plans and Annex C: Environmental Method Statements have been provided as placeholders for the Appointed Contractor to populate and they list the management plans and method statements that are required as mitigation through the REAC as detailed in the Schedule of Environmental Commitments.



- A4.3.6. The Appointed Contractor is required to monitor the achievement of the committed mitigation and will be required to develop achievement criteria as well as utilising the Completion Record column of the REAC. Any risks associated with non-compliance of the commitments will be managed by the Appointed Contractor and recorded in their Project Risk Register (refer to Annex G: Risk Register which has have been provided as a placeholder for the Appointed Contractor to populate).

Table A4-2.3 Record of Environmental Actions and Commitments

Mitigation Item/Source	Location of Measure	Timing of Measure	Mitigation Purpose/Objective including legislative requirements if applicable	Environmental Actions/Commitments	Responsible Party for Overseeing Implementation	Specific Consultation or Approval Required	Monitoring / Compliance	Completion Record
GEN1	Scheme Wide	Construction	To set a framework for the implementation of construction activities in accordance with the mitigation and environmental commitments contained in the EIA Report.	<p>The appointed Contractor will, through contractual requirements, be required to produce a CEMP in accordance with DMRB LA 120 'Environmental management plans' to provide a framework for the implementation of construction activities and how they intend to operate the construction site. Construction mitigation measures are detailed through the EIA Report and have been included with the table below. The CEMP must be in place prior to the start of construction work and will be developed throughout the construction period as required to avoid, reduce or mitigate construction impacts on the environment and the surrounding community.</p> <p>The CEMP will include but not be limited to, plans including those identified in Section 12.2. A First Iteration Environmental Management Plan has been developed and is included in Volume 4, Appendix 4.2.</p>	Appointed Contractor	Consultation with Loch Lomond and The Trossachs National Park, Argyll and Bute Council and other statutory bodies and regulatory authorities.	Employer's Requirements in the Contract.	
AQ1	Scheme Wide	Construction	Control dust during construction to mitigate risk of construction dust impacts	<p>Mitigation measures to control dust during construction will be specified within contract documentation and will be incorporated into the Construction Environmental Management Plan (CEMP) prior to construction of the Proposed Scheme.</p> <p>Dust mitigation, appropriate to a high dust risk potential, will be required when working in the vicinity of ecological sites. The exact measures will be reviewed and included in the CEMP as relevant and agreed in consultation with the local authority and relevant third parties at the time of writing.</p>	Appointed Contractor	Not applicable	On-going monitoring of Construction works by Environmental Clerk of Works (ECoW)	

Mitigation Item/Source	Location of Measure	Timing of Measure	Mitigation Purpose/Objective including legislative requirements if applicable	Environmental Actions/Commitments	Responsible Party for Overseeing Implementation	Specific Consultation or Approval Required	Monitoring / Compliance	Completion Record
				Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.				
CH1	A26: 223822 706461, A27: 223855 706411, A29: 223914 706316, A30: 223979 706258, A37: 224018 706185, A41: 224058 706047	Construction	To mitigate the direct physical impacts by retaining the character of the walls.	Stone from sections of walls (A26, A27, A29, A30, A37 and A41) will be retained and used for future reinstatement. This should be done by an experienced drystone wall contractor with experience of working in this area. The walls should be of the same construction and appearance as the sections of retained walls such as A7 and A12. Prior to removal, the sections of wall should be photographed as a means of recording. This would remove the significant effects.  Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.	Appointed Contractor	West of Scotland Archaeological Service (WoSAS)	Not applicable	
CH2	A6: 223354 707246, A43: 224075 706000; A44: 224076 705995, A10: 223023 707217. A23: 223733 706613	Pre-construction and construction	To mitigate the direct physical impacts by preservation through record and maintaining the character of bridge A6.	Photographic and documentary recording of a bridge (A6), bridge piers (A43 and A44), and brick structures (A10 and A23) prior to start of construction. The works must be undertaken by an appropriately qualified archaeological organisation. The existing stone for widening bridge A6 should be reused to mirror the original design of the sections which were removed for widening purposes so that the bridge retains the character of the current bridge. Photographic and documentary recording and the reuse of stone would remove the significant effects.  Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.	Appointed Contractor	West of Scotland Archaeological Service (WoSAS)	Not applicable	
BIO1	Scheme Wide	Construction	To ensure adherence to legislative requirements and mitigation impacts for	All construction activities will be controlled by strict adherence to best practice procedures (including <a href="#">Guidance</a> )	Appointed Contractor	Not applicable	Not applicable	

Mitigation Item/Source	Location of Measure	Timing of Measure	Mitigation Purpose/Objective including legislative requirements if applicable	Environmental Actions/Commitments	Responsible Party for Overseeing Implementation	Specific Consultation or Approval Required	Monitoring / Compliance	Completion Record
			designated sites, terrestrial habitats, aquatic habitats and protected species.	<p><a href="#">for Pollution Prevention (GPP)</a>, and Construction Industry Research and Information Association (CIRIA, 2001) guidance "<a href="#">Control of water pollution from construction sites. Guidance for consultants and contractors (C532D)</a>" to avoid or reduce the polluting effects of construction activities on the surrounding environment. These include implementation of pollution prevention measures and dust control. They also include buffer zones and, where relevant, restriction of working hours and following <a href="#">BS5489 Code of Practice for the Design of Road Lighting around sensitive features</a>, within the Appointed Contractors CEMP.</p> <p>Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.</p>				
BIO2	Scheme Wide	Construction	To ensure adherence to measures outlined within the CEMP.	<p>A suitably experienced full-time Ecological Clerk of Works (EcCoW) and supporting team (consisting of suitability experienced and / or licenced ecologists) will be appointed by the Appointed Contractor prior to and for the duration of the construction period. The Employer's Ecologist will observe that the Appointed Contractors EcCoW's are suitably experienced to undertake their role and will audit the contractual obligations with regards to the environmental safeguarding and mitigation requirements.</p> <p>Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.</p>	Appointed Contractor – EcCoW	Transport Scotland – Employers Ecologist (where required)	Not applicable	
BIO3	Scheme Wide	Design and Construction	To ensure adherence to relevant legislation/policy.	Production of Species Protection Plan (SPP) and a habitats protection plan (HPP). The following SPPs (as a minimum) will need produced:	Appointed Contractor - EcCoW	Transport Scotland – (Employers Ecologist)	On-going monitoring of	

Mitigation Item/Source	Location of Measure	Timing of Measure	Mitigation Purpose/Objective including legislative requirements if applicable	Environmental Actions/Commitments	Responsible Party for Overseeing Implementation	Specific Consultation or Approval Required	Monitoring / Compliance	Completion Record
				Aquatic ecology, birds (including golden eagle), otter, pine marten, red squirrel, bats, badger, reptiles and any other species as deemed necessary from the pre-construction surveys conducted. Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.			Construction works by ECoW	
BIO4	Scheme Wide	Pre-Construction	To ensure adherence to relevant legislation/policy.	Surveys for protected species surveys need to be undertaken in advance of construction programme starting to inform any licence requirements for protected species such as bats, badger or otter. Survey programme to inform European Protected Species (EPS) or other protected species licences will follow good practice / <a href="#">NatureScot guidelines for protected species licencing applications</a> . Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.	Appointed Contractor - EcCoW	Transport Scotland – (Employers Ecologist)	Ecological surveys, apply for EPS licences (if required) and on-going monitoring of Construction works by EcCoW	
BIO5	Scheme Wide	Pre-Construction and During Construction	To ensure adherence to relevant legislation/policy.	Any NatureScot licence applications will be required to be applied for and granted prior to construction. The results of the aforementioned surveys will inform each application. The licenced method statement will be produced. Where an EPS or other protected species NatureScot licence is applied for and granted, appropriate compensation and mitigation measures will be implemented to maintain the favourable conservation status of the species being licenced. These measures will also be fed into the SPP's produced and implemented during construction. Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.	Appointed Contractor - EcCoW	NatureScot	Ecological surveys, apply for EPS licences (if required) and on-going monitoring of Construction works by EcCoW, including any monitoring specified in a licence method statement	



Mitigation Item/Source	Location of Measure	Timing of Measure	Mitigation Purpose/Objective including legislative requirements if applicable	Environmental Actions/Commitments	Responsible Party for Overseeing Implementation	Specific Consultation or Approval Required	Monitoring / Compliance	Completion Record
BIO6	Scheme Wide	Pre-Construction and During Construction	To ensure adherence to relevant legislation/policy.	Implementation of the HPP and SPPs including any preconstruction surveys immediately prior to construction starting and during construction e.g. nesting bird checks, are required in line with the relevant HPP and SPPs. Pre-construction surveys should be completed as close to the construction period as possible, and good practice should be followed for timings. For example pre-construction surveys for otter are to be completed no more than 3 months before the start of works ( <a href="#">NatureScot Standing Advice for Otter</a> ). Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.	Appointed Contractor - EcCoW	NatureScot	Monitoring of protected species prior to and during construction works by EcCoW	
BIO7	Scheme Wide	Post-Construction	To ensure adherence to relevant legislation/policy.	Any monitoring (if required) for habitat reinstatement and protected species mitigation. To ensure any remedial measures are implemented in line with agreed mitigation measures. Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.	Appointed Contractor - EcCoW	Not applicable	On-going monitoring of Post Construction works by ECoW	
BIO8	Scheme Wide	Design and Construction	To ensure adherence to legislative requirements and maintain permeability for protected mammal species.	Protected mammal species mitigation is outlined in Volume 3, Figure 9.3 Landscape and Ecological Mitigation. Temporary fencing and / or barriers may be erected to secure the working area(s). It is anticipated that the design will include a requirement at Bridge B on the OMR and retention of mammal passage at the Croe Water culvert. Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.	Appointed Contractor	Not applicable	Not applicable	
MAW1	Scheme Wide	During Construction	Minimise waste and maximise resource efficiency through the	As part of the CEMP, a Materials Management Plan (MMP) shall be produced by the Appointed Contractor to manage, monitor and maximise reuse of	Appointed Contractor	Transport Scotland	On-going monitoring of	



Mitigation Item/Source	Location of Measure	Timing of Measure	Mitigation Purpose/Objective including legislative requirements if applicable	Environmental Actions/Commitments	Responsible Party for Overseeing Implementation	Specific Consultation or Approval Required	Monitoring / Compliance	Completion Record
			management of materials throughout the construction period.	excavated arisings from the Proposed Scheme, in accordance with regulatory guidance produced by SEPA on <a href="#">Promoting the sustainable reuse of greenfield soils in construction</a> (2010) and international soils reuse guidelines, i.e. those similar to the <a href="#">CL:AIRE 'Definition of Waste: Development Industry</a> Code of Practice for excavated materials (2008). As a requirement of the MMP, testing of Site arisings will be a critical step in validating suitability for reuse in different structural and non-structural applications. Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.			Construction works by ECoW	
MAW2	Scheme Wide	During Construction	Minimise waste and maximise resource efficiency through the management of materials throughout the construction period.	A Site Waste Management Plan (SWMP) as part of the CEMP will be produced by the Appointed Contractor to manage, monitor and report site waste effectively to maximally reduce associated impacts and potential harm to the environment during construction, where possible. Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.	Appointed Contractor	Transport Scotland	On-going monitoring of Construction works by ECoW	
NV1	Scheme Wide	During Construction	To mitigate noise and vibration impacts during construction.	During the construction phase best practicable means (as defined in Section 72 of the Control of Pollution Act 1974) will be adopted, this includes the adoption of the advice contained within <a href="#">BS 5228-1:2009+A1:2014</a> and <a href="#">BS 5228-2:2009+A1:2014</a> , and will be secured through the CEMP prepared by the Appointed Contractor. Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.	Appointed Contractor	To change construction impacts on site throughout the duration of the construction and restoration period	On-going monitoring of Construction works by ECoW	

Mitigation Item/Source	Location of Measure	Timing of Measure	Mitigation Purpose/Objective including legislative requirements if applicable	Environmental Actions/Commitments	Responsible Party for Overseeing Implementation	Specific Consultation or Approval Required	Monitoring / Compliance	Completion Record
EC1	Scheme Wide	Pre-construction and Construction	To mitigate and manage GHG emissions.	The Appointed Contractor will produce a Carbon Management Plan (CMP) as part of their contract. The CMP will set out how GHG emissions will be managed and reduced over the lifetime of the Proposed Scheme. The Appointed Contractor should also set targets for GHG emissions reductions for each stage of the Proposed Scheme which will be included within the CMP.  Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.	Appointed Contractor	Not Applicable	On-going monitoring of Construction works by the Appointed Contractor	
RDWE1	Scheme Wide	Pre-Construction and During Construction	Pollution prevention.	The CEMP shall include methodologies to manage potential pollutants and ensure contingency plans for any pollution incidents, including sediment management. A Construction Runoff Permit shall be included. These documents will include considerations in relation to extreme weather events during the construction phase. This suite of documentation shall be developed by the Appointed Contractor and subject to approval prior to construction, remaining as a live document throughout the construction phase.  Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.	Appointed Contractor	SEPA	On-going monitoring of Construction works by ECoW	
RDWE2	Scheme Wide	Pre-Construction	Appropriately designed engineering solutions that minimise impact upon local channels, in particular the Croe Water.	Applications for authorisation under The Water Environment (Controlled Activities) (Scotland) Regulations 2011 shall be developed and submitted, following initial conversations held with SEPA Water Permitting team. Drainage design to minimise potential impacts on the Croe Water main river system.	Design Team initially, with Appointed Contractor/Designer confirming design details pre-construction	SEPA	On-going monitoring of Construction works by ECoW	

Mitigation Item/Source	Location of Measure	Timing of Measure	Mitigation Purpose/Objective including legislative requirements if applicable	Environmental Actions/Commitments	Responsible Party for Overseeing Implementation	Specific Consultation or Approval Required	Monitoring / Compliance	Completion Record
				Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.				
PHH1	Scheme wide	Construction	To reduce impacts to receptors including walkers, cyclists and horse-riders as well as members of the local community.	Construction Environmental Management Plan (CEMP), Traffic Management Plan (TMP) and Community Engagement Plan will be enacted during the construction phase. This will provide a framework for the implementation of construction activities including plans related to geology and land contamination, surface water and groundwater, air quality (e.g. dust), and noise and vibration. In respect of the Community Engagement Plan, this will ensure that local communities are kept informed of the nature and duration of the works.	Appointed Contractor	Not Applicable	On-going monitoring of Construction works by Appointed Contractor	
PHH2	Scheme wide	Construction	To ensure the soil resource is appropriate restored.	Any Land temporarily used for construction will be restored to a condition equivalent to its original state. This will be achieved by means of a Soil Resource Plan (SRP) following best practice set out in guidance such as <a href="#">DEFRA's Construction Code of Practice for the Sustainable Use of Soils on Construction Sites</a> , <a href="#">SEPA Promoting the sustainable reuse of greenfield soils in construction sites</a> or equivalent guidance.	Appointed Contractor	Not Applicable	On-going monitoring of Construction works by Appointed Contractor	
PHH3	OMR	Construction	To reduce impacts to receptors including walkers, cyclists and horse-riders.	During construction on the Old Military Road, walking, cycling and horse riders will be convoyed through the route.	Appointed Contractor	Not Applicable	On-going monitoring of Construction works by Appointed Contractor	
PHH4	Scheme wide	Construction	To ensure the soil resource is appropriate restored.	Where unrestricted agricultural uses are to be resumed on land disturbed during the construction of the Proposed Scheme, the Appointed Contractor will	Appointed Contractor	Not Applicable	On-going monitoring of Construction works by	

Mitigation Item/Source	Location of Measure	Timing of Measure	Mitigation Purpose/Objective including legislative requirements if applicable	Environmental Actions/Commitments	Responsible Party for Overseeing Implementation	Specific Consultation or Approval Required	Monitoring / Compliance	Completion Record
				be responsible for ensuring no long-term reduction in the quality of the disturbed land, through the adoption of good practice techniques in handling, storing and reinstating soils and field drains.			Appointed Contractor	
GSG1	Scheme Wide	Pre-Construction, During Construction	To reduce impact upon groundwater receptors	Implementation of a Dewatering Management Plan (DMP) would be required for any dewatering activities being carried out. This document would outline how to remove excess water from the construction site and minimise environmental impacts, enabling groundwater recharge whilst taking account of local slope stability. Any dewatering activities will be compliant with industry standards and best practice and the PMP. Working areas are to be kept to a minimum for construction of the project to reduce habitat loss.	Appointed Contractor	SEPA	On-going monitoring of Construction works by ECoW	
GSG2	Specific GWDTE Locations (M10 habitats)	Design, Pre-Construction, During Construction	To ensure continuity of shallow groundwater flowpaths to GWDTE, if applicable	GI works shall include additional groundwater data, due to be reported in 2025, which shall reduce uncertainty. Data with relevance to M10 habitats shall be reviewed against previous findings to verify the assessment outcome. On the basis that uncertainty remains, groundwater level and water quality monitoring shall be undertaken by Design Team or Appointed Contractor in accordance with SEPA LUPS- GU31 guidance, including locations both upslope and downslope of the Proposed Scheme covering the period preceding construction until post-construction, across a number of seasons. Ecological monitoring would be undertaken, in parallel, for any change to M10 community in comparison to baseline as part of this process. This data shall be used to update and refine the M10 habitat assessment.	Appointed Contractor and Designer	SEPA	If applicable, monitoring shall commence pre-construction and continue through post-construction, using appropriately skilled staff for various activities.	

Mitigation Item/Source	Location of Measure	Timing of Measure	Mitigation Purpose/Objective including legislative requirements if applicable	Environmental Actions/Commitments	Responsible Party for Overseeing Implementation	Specific Consultation or Approval Required	Monitoring / Compliance	Completion Record
				<p>Should outcomes emerge that indicate these habitats are subject to a residual effect greater than current assessment, proportionate design adaptations shall be considered in latter design stages, taking into account challenging ground conditions and slope instability. If feasible, these could include sub-surface cross-drains, to enable shallow groundwater pathways to continue supply to downslope habitats.</p> <p>This approach will ensure any effect upon GWDTE, based on emerging information, does not exceed slight adverse significance, as currently reported.</p> <p>SEPA shall be consulted at all above stages. This measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.</p>				
GSG3	Scheme Wide	Design and Construction	To minimise disturbance and ensure sensitive management of any excavated carbon rich soil (including peat) material.	<p>Following outcome of pre-construction Ground Investigation reporting, likely arisings and management of carbon rich soils (including peat) shall be incorporated into the relevant section of the CEMP. Any encountered material shall be treated sensitively to minimise moisture and carbon loss, with appropriate handling, temporary storage and reuse plans identified and agreed with SEPA.</p> <p>Measure was identified during the EIA Screening / Scoping, refer to Volume 4, Appendix 6.1 Summary of EIA Scoping.</p>	Appointed Contractor and Designer	SEPA	On-going monitoring of Construction works by ECoW	
LV1	Scheme Wide	Pre-Construction and during Construction	To mitigate the direct impacts on landscape and visual receptors	Construction activity will be kept to the minimum practicable time to reduce the duration of impacts. Areas will be cleared for construction as close as possible to the works commencing and topsoiling, reseeded and planting will be	Appointed Contractor	Not applicable	On-going monitoring of Construction works by ECoW	



Mitigation Item/Source	Location of Measure	Timing of Measure	Mitigation Purpose/Objective including legislative requirements if applicable	Environmental Actions/Commitments	Responsible Party for Overseeing Implementation	Specific Consultation or Approval Required	Monitoring / Compliance	Completion Record
				undertaken as soon as possible after the works are complete, allowing for the appropriate planting/seeding season.				
LV2	Scheme Wide	Construction	To mitigate the direct impacts on landscape and visual receptors	Work compound and storage areas will, as far as practicable, be located where existing features can provide screening.	Appointed Contractor	Not applicable	On-going monitoring of Construction works by ECoW	
LV3	Scheme Wide	Construction	To mitigate the direct impacts on landscape and visual receptors	Construction areas will be kept tidy and free of litter and debris.	Appointed Contractor	Not applicable	On-going monitoring of Construction works by ECoW	
LV4	Scheme Wide	Construction	To mitigate the direct impacts on landscape and visual receptors	Work will be avoided during hours of darkness as far as is practicable and where necessary, directed lighting will be used to minimise glare.	Appointed Contractor	Not applicable	On-going monitoring of Construction works by ECoW	
LV5	Scheme Wide	Construction	To protect soil quality	<p>To protect soil quality:</p> <ul style="list-style-type: none"> <li>• uncontaminated topsoil for re-use shall be stored in un-compacted mounds up to 2m in height separate from subsoil material</li> <li>• stripped topsoil shall be used in areas of the same vegetation type and</li> </ul> <p>subsoil in proposed planting areas shall be replaced after construction and ripped to a depth agreed with the ECoW, landscape architect or soil scientist as appropriate prior to topsoiling and planting.</p>	Appointed Contractor	Not applicable	On-going monitoring of Construction works by ECoW	
LV6	Scheme Wide	Construction	To mitigate the direct impacts on landscape and visual receptors	Minimise loss of all existing vegetation as far as practicable. Retention of existing trees and vegetation and incorporation with new planting proposals. Trees shall only be removed where it can be demonstrated that this is required for construction or safety purposes.	Appointed Contractor	Not applicable	On-going monitoring of Construction works by ECoW	



Mitigation Item/Source	Location of Measure	Timing of Measure	Mitigation Purpose/Objective including legislative requirements if applicable	Environmental Actions/Commitments	Responsible Party for Overseeing Implementation	Specific Consultation or Approval Required	Monitoring / Compliance	Completion Record
LV7	Scheme Wide	Construction	To mitigate the direct impacts on landscape and visual receptors	Fence off existing trees and shrubs not affected by construction with a suitable type of fencing which shall extend to the root zone of the tree canopy and remain in situ until works are completed.	Appointed Contractor	Not applicable	On-going monitoring of Construction works by ECoW	
LV8	Scheme Wide	Design and Construction	To mitigate the direct impacts on landscape and visual receptors	<p>Earthworks proposals will:</p> <ul style="list-style-type: none"> <li>• use retaining solutions where appropriate to avoid extensive cuttings into slopes or large embankments which increase land disturbance and</li> <li>• sensitive grading of earthworks to integrate with surrounding landform and/or reduce requirement for/extent of felling.</li> </ul>	Appointed Contractor	Not applicable	On-going monitoring of Construction works by ECoW	
LV9	Scheme Wide	Design and Construction	To mitigate the direct impacts on landscape and visual receptors	Mitigation planting to replace trees lost during the construction of the Proposed Scheme. Planting shall aid integration with the landscape character and be predominantly based on native species established in the area. Planting or density of planting shall be light to align with landscape character or to afford open or glimpsed views of landscape features. Species-rich mixes for the majority of grass verges with the aim of integrating these into the wider landscape character. The exception to this would be the use of less diverse grass species in areas associated with visibility splays which are capable of withstanding regular cutting. Refer to Volume 3, Figure 9.3 Landscape and Ecological Mitigation.	Appointed Contractor	Not applicable	On-going monitoring of Construction works by ECoW	
LV10	Scheme Wide	Design and Construction	To mitigate the direct impacts on landscape and visual receptors	The detail of any required mammal fencing shall be designed to minimise landscape and visual impact.	Appointed Contractor	Forestry and Land Scotland, Loch Lomond and The Trossachs National	On-going monitoring of	

Mitigation Item/Source	Location of Measure	Timing of Measure	Mitigation Purpose/Objective including legislative requirements if applicable	Environmental Actions/Commitments	Responsible Party for Overseeing Implementation	Specific Consultation or Approval Required	Monitoring / Compliance	Completion Record
						Park Authority (LLTNPA)	Construction works by ECoW	

## A4.5. Consents and Permissions

- A4.5.1. During the construction of the Proposed Scheme the Appointed Contractor will be required to comply with the conditions of all permits, consents and licences obtained. Table A4-2.4 lists those consents and licences anticipated to be required.
- A4.5.2. This will be reviewed and updated by the Appointed Contractor, as required.

**Table A4-2.4 Anticipated Consents / Licences Required**

Consent / Licence Required	Relevant Legislation	Description	Relevant Mitigation Item	Timing	Responsible for Obtaining Party
Protected Species Licence: Potential licences required in respect of works necessary to construct Proposed Scheme	Conservation (Natural Habitats, &c.) Regulations 1994 (as amended in Scotland)	Licences in respect of works necessary to construct the Proposed Scheme that are likely to breach applicable conservation legislation will be obtained where required. The Contractor will comply with the requirements or conditions of any granted licence.	BIO5	Preconstruction and Construction	Appointed Contractor
Construction Runoff Permits (CRP): Road Drainage and the Water Environment (formerly referred to as a construction site licences (CSL))	The Water Environment (Controlled Activities) (Scotland) Regulations 2011	Any discharge of water run-off from a construction site to the water environment must be authorised by SEPA.	RDWE1	Preconstruction and Construction	Appointed Contractor
CAR Licence: Road Drainage and the Water Environment	The Water Environment (Controlled Activities)	CAR consent for engineering activities in the water environment, particularly in relation to	RDWE2	Preconstruction and Construction	Appointed Contractor

Consent / Licence Required	Relevant Legislation	Description	Relevant Mitigation Item	Timing	Responsible for Obtaining Party
	(Scotland) Regulations 2011 (as amended) (CAR)	sediment management and fuel/hydrocarbon control. Regulated by SEPA			

## A4.6. Environmental Asset Data and As-Built Drawings

### Collection and Submission of Environmental Data

- A4.6.1. The gathering of environmental data has been a developing process since the outset of the Proposed Scheme and the design, collection and submission of environmental data is achieved through the publication of the EIA Report where information on data gathering is reported in Chapters 7 to 10 and the associated appendices. Where additional data is required during the preconstruction and construction phases, the Appointed Contractor will be responsible for the collection and submission to Transport Scotland and any relevant stakeholders / statutory bodies.
- A4.6.2. Table A4-2.2 summarises the ecological surveys undertaken for the Proposed Scheme.
- A4.6.3. This will be reviewed and updated by the Appointed Contractor, as required.

**Table A4-2.2. - Summary of Species Surveys Obtained to Date**

Survey Type	Date	Location
Terrestrial Habitats Survey (Ukhab and National Vegetation Classification)	May to September 2023, November 2023,  May 2024 <sup>1</sup>	250m buffer around the Proposed Scheme <sup>1</sup>
Aquatic Habitats and Species Surveys (Watercourse Walkover Survey, Watercourse River Condition Assessment: Modular Physical (MoRPh) Survey, Watercourse Electric Fishing Survey, Watercourse and Loch Aquatic Macroinvertebrate Survey, and Loch Macrophyte Survey)	June, July and November 2023,  March and June 2024 <sup>1</sup>	Watercourses and waterbodies within 150m of the Proposed Scheme <sup>1</sup>
Breeding Birds Assemblage Survey	April to July 2023	500m buffer around the Proposed Scheme
Black Grouse (Habitat Suitability Survey, Lekking Survey)	April to July 2023	1.5km buffer around the Proposed Scheme
Barn Owl	April to July 2023	Up to 1km buffer around the Proposed Scheme
Otter (Habitat Suitability, Presence/Likely Absence)	February to July 2023	Watercourses and waterbodies within 250m of the Proposed Scheme



Survey Type	Date	Location
Otter Resting Site Monitoring	February to September 2023, June to August 2024	Features with suitability for use by otters within 50m of the Proposed Scheme
Pine Marten (Scoping and Presence/Likely absence)	March to April 2023, July to September 2023 and May to June 2024	250m buffer around the Proposed Scheme
Red Squirrel (Scoping and Presence/Likely absence)	March and April 2023 and July to August 2023	100m buffer around the Proposed Scheme
Bats	February to September 2023, December 2023 and between March and August 2024	100m buffer around the Proposed Scheme
Badger	June and November 2023	200m buffer around the Proposed Scheme
Terrestrial Invertebrates	August 2023, July 2024	250m buffer around the Proposed Scheme
Reptile Habitat Suitability Survey	September and November 2023	50m study area around the Proposed Scheme

<sup>1</sup> UKhab and MoRPh surveys undertaken in 2024, were completed for the Enhancement Sites, no areas outside of the boundary were surveyed.

### Collection and Submission of Engineering Data

- A4.6.4. The method of procurement and contract is to be decided however the project is progressing on the basis of a Design and Build (D&B) type contract. Should the project progress under this form of contract, the Appointed Contractor will undertake both the detailed design and construction of the Proposed Scheme. Responsibility for operating and maintaining the trunk road following completion of the Proposed Scheme including any maintenance period would remain with the Scottish Government.
- A4.6.5. Engineering data, including design drawings, used in the EIA Report and DMRB Stage 3 Report will be made available to the tenderers and the successful Appointed Contractor.
- A4.6.6. The Appointed Contractor will be responsible for developing the detailed design of the Proposed Scheme and will be required to submit design drawings including as built drawings on completion to Transport Scotland.

## A4.7. Details of Maintenance and FIEMP Monitoring Activities

### Environmental Monitoring Requirements

#### Monitoring of Committed Mitigation

- A4.7.1. The Appointed Contractor will be responsible for implementing and monitoring, the mitigation measures outlined in Table A4-2.3. Routine inspections to check that mitigation measures are in place will be undertaken by the ECoW (delegated to the EcCoW for biodiversity measures, as needed). The ECoW will compile and produce periodic inspection reports (the frequency of which is to be agreed with Transport Scotland).
- A4.7.2. Monitoring of compliance (including with any licence conditions) will also be conducted by the ECoW and/or the EcCoW. The Employers Requirements of the Design and Build Contract will detail the specific measures to monitor compliance.
- A4.7.3. The Appointed Contractor will be required to keep a record of monitoring activities and any potential areas of non-compliance through development and population of Annex F: Final Environmental Investigation and Monitoring Reports.
- A4.7.4. In instances where the requirements of the FIEMP are not upheld, a Non-Conformance and Corrective Action Notice will be produced. The Appointed Contractor will be responsible for ensuring a corrective action plan is established and implemented to address the identified shortcoming, with associated 'lessons learned'.
- A4.7.5. The ecologist appointed by Transport Scotland, will also monitor / audit the management of valued biodiversity receptors (including mitigation and European Protected Species (EPS) and protected species licencing).

#### Environmental Management Plans

- A4.7.6. Annex B: Relevant Management Plans provides a list of some of the environmental management plans that are likely to be required as part of the Proposed Scheme works, these plans will detail environmental data collation and monitoring activities. The Appointed Contractor will monitor compliance using these management plans and will be required to update Annex B as appropriate.

## A4.8. Induction, Training and Briefing Procedures for Staff

### Introduction

- A4.8.1. A project specific training plan that identifies the competency requirements for all personnel allocated with environmental responsibilities will be produced by the Appointed Contractor (an Indicative Training Programme has been provided in Table A4-2.6). Training will be provided by the Appointed Contractor to ensure that all persons working on site have a practical understanding of environmental issues and management requirements prior to commencing activities. The Appointed Contractor will ensure that environmental emergency plans are drawn up and will conduct regular checks to ensure that the plan is effective by means of emergency drills.
- A4.8.2. The Appointed Contractor must keep the list of environmental training “live” and identify any requirements for additional training throughout the design and construction of the Proposed Scheme. A record of all training delivered must be maintained for audit and monitoring purposes.
- A4.8.3. All training requirements will be reviewed and updated by the Appointed Contractor, as required.

**Table A4-2.6 Indicative Training Programme**

Topic	Personnel	Delivery	Description
Site Safety Induction and Environmental Awareness	All	Site Induction	All personnel involved in the Proposed Scheme will receive environmental awareness training. The environmental training and awareness procedure will ensure that staff are familiar with the principles of the Second Iteration EMP (SIEMP), the environmental aspects and impacts associated with their activities, the procedures in place to control these impacts and the consequences of departure from these procedures
Toolbox talks	All	Site Induction	Specific toolbox talks will be provided to contractors prior to work commencing. The talks will be delivered by a suitably experienced ECoW / EcCoW who will explain any legal requirements that are in place as well as highlighting measures such as sensitive zones within the construction area and appropriate

Topic	Personnel	Delivery	Description
			working methods that must be implemented.

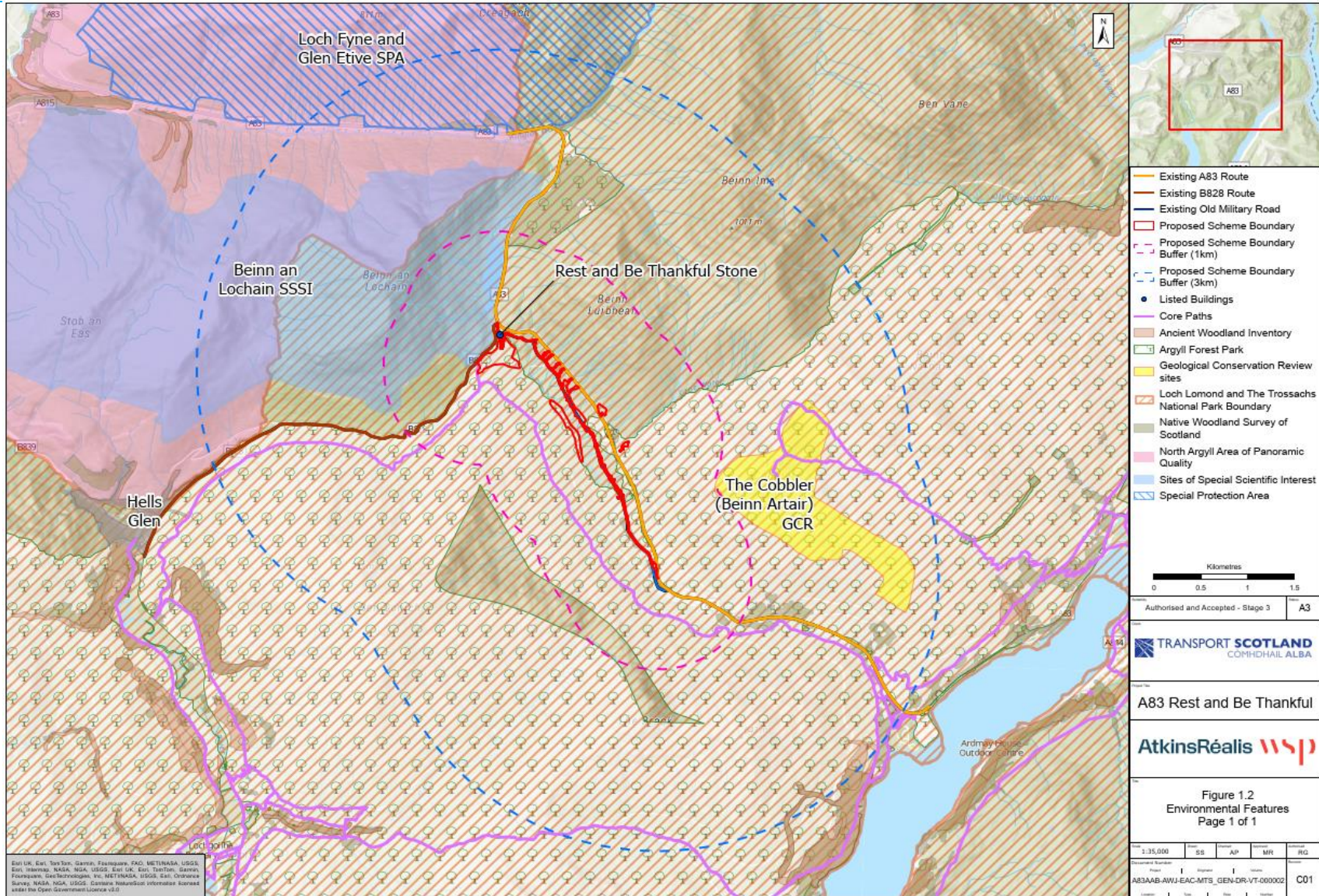
### Environmental Competencies

- A4.8.4. A project specific plan that identifies the competency requirements for all personnel allocated with environmental responsibilities will be produced by the Appointed Contractor who will be required to monitor and record that all staff have attended the relevant environmental induction or training as listed above
- A4.8.5. The Contractor is required to develop criteria for evaluating the effectiveness of any training.

# Annexes

## Annex A : Environmental Features







## Annex B: Relevant Management Plans

The Appointed Contractor will be required to produce environmental management plans including, but not limited to:

- Air Quality and Dust Management Plan (including Dust Control Plan, identifying suitable mitigation measures to be employed in accordance with the [Institute of Air Quality Management Construction Dust Guidance](#), 2024)
- Archaeological Management Plan
- Bio-Security Plan, including the management of invasive, non-native species
- Carbon Management Plan
- Community Engagement Plan
- Construction Lighting Management Plan
- Designated Sites Protection Plan
- Dewatering Management Plan
- Ecological Management Plan, including specific Species Protection Plans, Designated Sites and Habitat Management Plans
- Flood Response Plan
- Groundwater and Surface Water Management Plans, including Water Quality Monitoring Plan, adherence to Pollution Prevention Guidelines, Flood Response and Pollution Incident Control and Response Plans
- Habitat Protection Plan
- Landscape Ecological Management and Monitoring Plan
- Noise and Vibration Management Plan (identifying how to appropriately control and minimise construction noise impacts as far as is reasonably possible)
- Pollution Prevention Measures and Incident Control Plan
- Details of pre-construction surveys, including ecology and drainage
- Private Water Supply Protection Plan
- Site Waste Management Plan
- Soil and Peat Management Plan
- Soil and Materials Management Plan
- Species Protection Plan (covering the following species / species groups as a minimum: aquatic species, otter, birds, pine marten, red squirrel, bats, badger, reptiles and any other species as deemed necessary from the pre-construction surveys conducted)
- Surface Water Management Plan and
- Traffic Management Plan, including walkers, cyclists and horse-riders.

This Annex should be updated with these management plans where available and appropriate.

This will be reviewed and updated by the Appointed Contractor, as required.

## Annex C: Environmental Method Statements

Prior to construction, the Contractor will develop environmental method statements, as required.

Section inserted for the Appointed Contractor to populate.

## Annex D: Emergency Procedures and Record of Any Environmental Incidents

A Site Environmental Emergency Plan will be prepared prior to construction and communicated to all members of the project team including sub-contractors and Emergency Services, this plan will include emergency procedures and specific Oil/Hydrocarbon spill response measures.

The plan will detail the following controls:

- site drainage controls
- fuel handling procedures
- incident notification procedures
- encountering unexpected ground conditions procedures
- dealing with contaminated materials procedures
- pollution control equipment requirements
- procedures for the control of dust and mud and
- measures to protect watercourses and wildlife from chemical spills or sediment laden run off.

Responsible staff will be trained in emergency procedures to form an Emergency Team, so that these procedures can be implemented swiftly and effectively. Periodic testing of emergency procedures will be undertaken by the Appointed Contractor who will report on results. Any corrective actions shall be taken forward for review and approval.

Should an emergency incident occur, the ECoW will be notified immediately. The emergency response will be co-ordinated by the Appointed Contractor's Project Manager. Protective measures, mitigation, clean up and remediation actions will be identified from the evaluation and shall be put into place, having regard for the sensitivities of the environment. A record of the emergency incident will be kept and communicated with relevant internal and external stakeholders to show the nature of the corrective action undertaken and enable 'lessons to be learned' on this and other projects.

This will be reviewed and updated by the Appointed Contractor, as required.

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# Annex E: Copy of Evaluation of Change Register

Section inserted for the Appointed Contractor to populate.

# Annex F: Final Environmental Investigation and Monitoring Reports

Section inserted for the Appointed Contractor to populate.



## Annex G: Risk Register

Section inserted for the Appointed Contractor to populate.

# Annex H: Construction Programme

Section inserted for the Appointed Contractor to populate.

