



TRANSPORT
SCOTLAND
CÒMHDHAIL ALBA

Environmental Impact Assessment Record of Determination

**A82 North of Cattle Ranch – Phase 2
Resurfacing**

Contents

Project Details	3
Description.....	3
Location	4
Description of local environment.....	5
Air quality.....	5
Cultural heritage	5
Landscape and visual effects	5
Biodiversity	6
Geology and soils	7
Material assets and waste	8
Noise and vibration.....	8
Population and human health	9
Road drainage and the water environment.....	9
Climate	10
Policies and plans.....	11
Description of main environmental impacts and proposed mitigation	12
Air quality.....	12
Landscape and visual effects	13
Biodiversity	13
Geology and soils	15
Material assets and waste	15
Noise and vibration.....	16
Population and human health	17
Road drainage and the water environment.....	18
Climate	19
Major Accidents and Disasters	20
Assessment cumulative effects.....	20
Assessments of the environmental effects	21
Statement of case in support of a Determination that a statutory EIA is not required.....	21
Annex A.....	23

Project Details

Description

BEAR Scotland has been commissioned by Transport Scotland to carry out resurfacing works on a stretch of the A82 carriageway, North of Cattle Ranch (approximately 3km southwest of the village of Spean Bridge).

Works will include the replacement of surface course over an approximate 700m length. The scheme covers an approximate area of 0.55ha.

The resurfacing procedure is as follows:

- Set up traffic management (TM) and mark out site
- Mill out old surface course
- Lay and roll new surface course
- Carry out lining/studding
- Remove TM and open road

The scheme is currently programmed to be completed within the first half of the 2023/2024 financial year, with a proposed start date of 21/06/2023. However, works may be delayed into the latter half of the 2023/2024 financial year (September 2023 to March 2024 inclusive). Works are expected to be completed over seven days, operating between the hours of 07:00 and 19:00; however, changes in the programme may result in the need for night works.

Traffic management (TM) will consist of single lane closures, facilitated by temporary traffic lights (TTLs) and a 10mph convoy traffic management system. If the programme changes, this may result in amendments to the exact TM requirements. Where required, alternative pedestrian routes will be included in the TM setup.

Location

The works are located on the A82 carriageway North of Cattle Ranch (3km southwest of the village of Spean Bridge), within the Highland Council area (National Grid References: NN 18348 79897 to NN 18936 80285) (Figure 1).

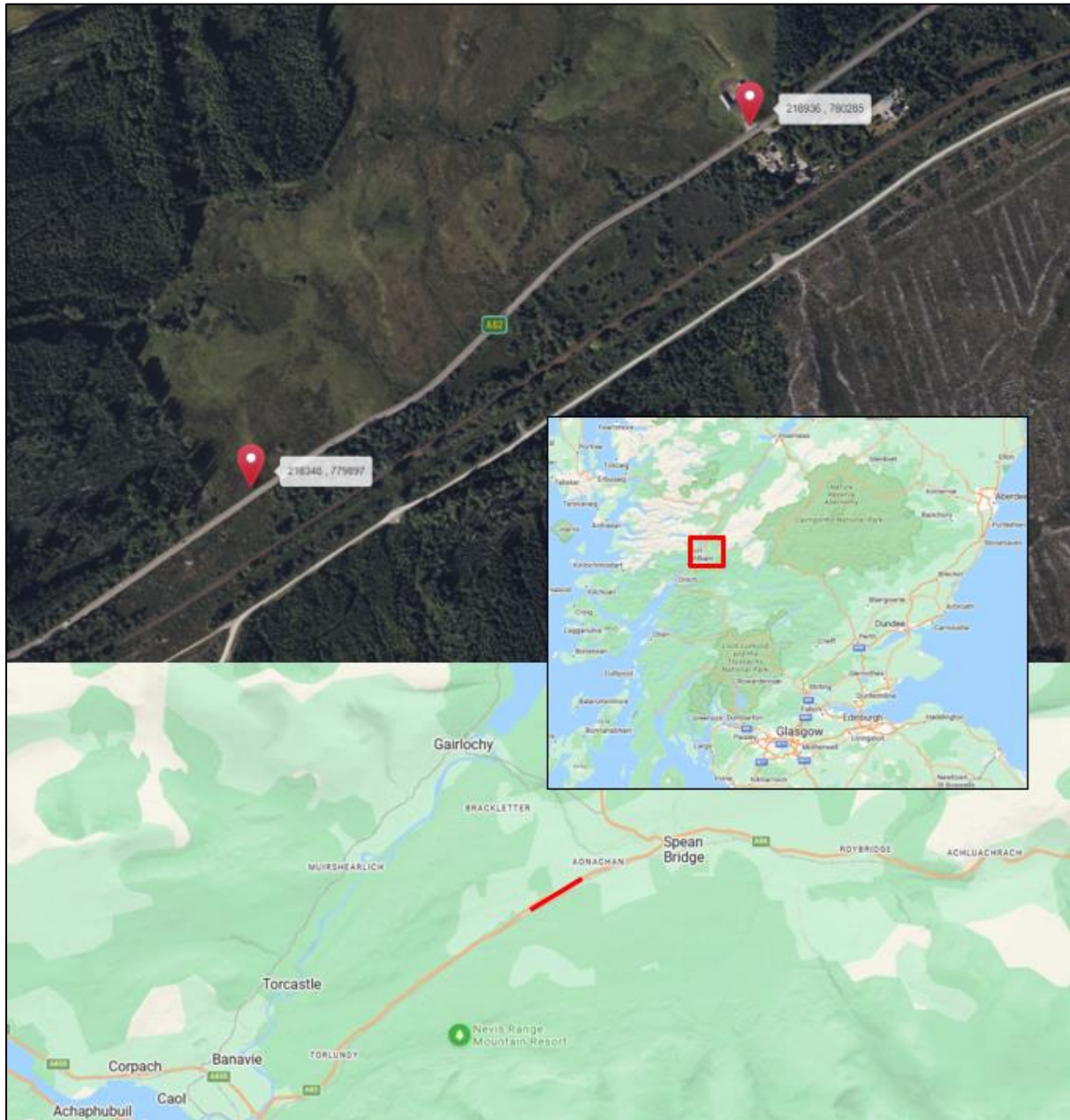


Figure 1. Location and scheme extent of the proposed resurfacing works at A82 North of Cattle Ranch (3km southwest of the village of Spean Bridge). Source: BEAR Scotland. F108 – Environmental Assessment Request (Scheme ref: 23-NW-0103-61).

Description of local environment

Air quality

The scheme does not fall within any Air Quality Management Areas (AQMA) ([Air Quality Scotland](#)) declared by the Highland Council. No Air Quality Monitoring Stations are located within 10km of the works ([Air Quality Scotland](#)).

One site registered on the Scottish Pollutant Release Inventory (SPRI) ([Scotland's Environment](#)) for air pollutant releases is located within 10km (7.3km southwest) of the works:

- Liberty Lochaber Aluminium, Lochaber Smelter - production and processing of metals.

Average Annual Daily Flow (AADF) for the A82 carriageway approximately 4.5km southwest of the scheme accounted for 4770 vehicles in 2021, of which 8.5% were heavy goods vehicles (HGV) ([Road Traffic Statistics](#)).

Baseline air quality at the scheme location is likely to be primarily influenced by traffic along the A82 trunk road, with secondary sources likely to arise from nearby forestry management practices. As the scheme is located within a rural setting, pollution levels are not expected to be high.

Cultural heritage

There are no World Heritage Sites, Scheduled Monuments, Listed Buildings, Conservation Areas, Garden and Designed Landscapes, Inventory Battlefields, Historic Environment Records or Canmore features identified within 300m of the scheme ([PastMap](#)).

As a result of the works taking place strictly within the existing man-made footprint, it has been determined that the proposed project has negligible potential to cause direct or indirect impact to features of cultural heritage importance.

As such, the impact has been assessed as being 'no change' and has been scoped out of requiring further assessment.

Landscape and visual effects

The scheme lies within a rural area, with land use surrounding the scheme dominated by forestry and agriculture. Urban development is limited to three

residential properties which lie in a cluster in proximity to the northern scheme extents.

Railway line 'Spean Bridge to Fort William' with its associated corridor lies 45m east of the scheme.

The scheme does not fall within any National Parks (NP) or National Scenic Areas (NSA) ([Sitelink](#)).

The Landscape Character Type (LCT) within the scheme extent is Broad Forested Strath (no. 235) ([Scottish Landscape Character Types](#)). The LCT is characterised by the following:

- Broad, low-lying straths with rolling relief and sculptural glacial landforms.
- Simple, large scale mosaic of forested ridges, rolling pastures and heather moorland, but dominated by swathes of forestry.
- A comparatively densely settled landscape with villages, houses and sporadic commercial development.
- Quarries hidden amongst the woodland cover.
- Strong communication and service corridors.
- Long distance views from surrounding hills over the glens, which are framed by steep glen sides.
- Lochs, rivers or canals on glen floor have often been engineered or substantially altered by man.

Biodiversity

A desktop study using Nature Scot SiteLink ([SiteLink](#)) has noted that the scheme extent is not situated within 300m of any European site (Special Protection Areas (SPAs), Special Areas of Conservation (SACs), Ramsar sites, biological Site of Special Scientific Interest (SSSI), National Nature Reserves (NNR) or Local Nature Reserve (LNR) ([SiteLink](#)).

Bird species were recorded within 2km over a 10-year period. Under the Wildlife and Countryside Act 1981, all wild birds and their active nests are protected.

The following records of invasive non-native species (INNS) of plants (depicted with *), as listed on Schedule 9 of the Wildlife and Countryside Act 1981 (as amended) (WCA), injurious weeds, as listed under the Weeds Act 1959, and invasive native perennials, as listed in the Trunk Road Inventory Manual were found using the same search criteria:

- Broad-leaved dock (*Rumex obtusifolius*)
- Common ragwort (*Jacobaea vulgaris*)

- Curled dock (*Rumex crispus*)
- Japanese knotweed (*Fallopia japonica*)*
- Spear thistle (*Cirsium vulgare*)

None of the noted invasive and injurious plant species lie within the scheme extents.

A search with Transport Scotland's Asset Management Performance System (AMPS) did not identify any invasive or injurious plant species within the scheme extents. All works will be restricted to the A82 carriageway boundary with no verge works required, therefore it is unlikely that any invasive or injurious weeds will be encountered.

Habitats in the surrounding area are dominated by conifer woodland and rough grasslands ([Scotland's Environment](#)). Freshwater habitat is provided by Allt Achadh na Dalach, which lies 140m west of the scheme, and numerous minor watercourses which are culverted beneath the A82 within the scheme or lie in proximity to the scheme. Overall, habitats in proximity to the scheme favour semi-aquatic and terrestrial protected species and nesting birds during the breeding period (March – August inclusive).

Although there is some suitable habitat for breeding birds in the vicinity of the scheme, nesting bird checks are not required for these works as there will be no tree-felling or vegetation clearance.

No woodland noted on the Ancient Woodland Inventory (AWI) has been identified within 300m of the scheme ([Scotland's Environment](#)).

Considering the nature, duration, size and scale of the scheme, the potential for significant species disturbance within the area of likely construction disturbance is also somewhat diminished. As such, a desktop study has been deemed sufficient for this assessment, and no ecological surveys have been carried out.

Geology and soils

The scheme lies within Parallel Roads of Lochaber SSSI ([SiteLink](#)) and Glen Roy and the Parallel Roads of Lochaber Geological Conservation Review Site (GCRS) ([SiteLink](#)).

The SSSI is noted for its landforms created by glacial retreat 12,900 and 11,500 years ago. This site provides the clearest and most complete assemblage of landforms and sediments providing evidence in Britain for the formation and drainage of ice-dammed lakes. The features were recognised internationally by the 19th century, and have subsequently been crucial to the development of geomorphological concepts and the understanding of landscape evolution ([SiteLink](#)).

The SSSI at the scheme extents is overlapped by Glen Roy and the Parallel Roads of Lochaber GCRS. There is no information available on sitelink regarding the geological features of the GCRS, but it is assumed that these will be the same or similar to those for the SSSI ([SiteLink](#)).

Bedrock within the scheme extent is comprised of the Fort William formation (micaceous psammite and semipelite), which is a metamorphic bedrock ([BGS GeolIndex](#)).

Superficial deposits within the scheme extent are comprised of Hummocky (moundy) Glacial (diamicton, sand and gravel) and Peat (peat) deposits, which are both sedimentary superficial deposits ([BGS GeolIndex](#)).

Soils within the scheme extent are recorded as peaty podzols ([Scotland's Soils](#)).

Material assets and waste

The proposed works are required to resurface the worn carriageway and reinstate road markings. Materials used will consist of:

- Asphaltic material
- Road-marking paint
- Bituminous emulsion bond coat
- Milled in road studs

Wastes are anticipated to be planings from the carriageway surface course, which will be fully recovered for re-use in line with BEAR Scotland's Procedure 126: The Production of Fully Recovered Asphalt Road Planings. The Contractor is responsible for the disposal of road planings and this has been registered in accordance with a Paragraph 13(a) waste exemption issued by SEPA, as described in Schedule 3 of the Waste Management Licensing Regulations 2011 (exemption number TBC).

A Site Waste Management Plan (SWMP) will be produced if required.

Investigations undertaken on the A82 confirmed coal tar absence within the scheme extent.

Noise and vibration

The scheme extent lies within a rural area, 3km southwest of Spean Bridge, within the Highland Council.

Three residential properties lie within 300m of the scheme. The nearest of these, 'Cabernish', lies within 15m of the trunk road and has partial screening from the scheme provided by intermittent 2-3m high conifer hedging. Remaining premises have suitable acoustical and visual screening from the scheme provided by intervening pockets of trees.

The works do not fall within a Candidate Noise Management Area (CNMA) as defined by the Transportation Noise Action Plan (Road Maps) ([Transportation Noise Action Plan \(TNAP\)](#)).

Baseline noise levels within the scheme are likely to be primarily influenced by traffic travelling along the A82 trunk road, with secondary influences from nearby forestry management practices.

Population and human health

Three residential properties lie within 300m of the scheme. An access route to noted properties is located within the scheme extents.

There are no National Cycle Network (NCN) routes ([OS Maps](#)), core paths ([Scotland's Environment](#)) or walking routes as listed on WalkHighlands ([WalkHighlands](#)) within the scheme extents. There are also no paved footpaths, bus stops, or other pedestrian facilities along the A82 within the scheme extent.

TM will involve a single lane closure, facilitated by TTLs and a 10mph convoy traffic management system.

The A82 Trunk Road, within the North West NMC, connects Alexandria with Crianlarich, Fort William and Inverness. It commences immediately north of Tullichewan Roundabout in Alexandria leading generally northwards for a distance of 243 kilometres to its junction with the A9 at (but excluding) Longman Roundabout in Inverness. The A82 is predominantly single carriageway along its length, including the scheme location, with some lengths of '2+1' carriageway.

Road drainage and the water environment

No waterbodies classified by the Scottish Environment Protection Agency (SEPA) under the Water Framework Directive 2000/60/EC (WFD) are spanned or culverted beneath the A82 within the scheme extent ([SEPA Water Classification Hub](#)).

Allt Achadh na Dalach (ID: 20344) (classified waterbody) flows north to south, 140m west of the scheme at its nearest point, to the A82 carriageway. Allt Achadh na Dalach is a river in the River Lochy catchment of the Scotland river basin district

which has been classified by SEPA as having an overall status of 'Good' ([SEPA Water Classification Hub](#)). The main stem is approximately 9.8km in length ([SEPA Water Classification Hub](#)).

Numerous waterbodies, considered to be minor tributaries and drainage ditches, are culverted beneath the trunk road within the scheme extents and discharge into Allt Achadh na Dalach west of the scheme ([SEPA Water Classification Hub](#)).

There are numerous minor waterbodies (unclassified) which lie in proximity to the scheme.

The scheme falls within the 'Fort William' groundwater body, which was classified by SEPA in 2020 as having an overall status of 'Good' and is also a Drinking Water Protected Area (Ground) ([SEPA Water Classification Hub](#)).

There is no risk of river or surface flooding at the scheme location ([SEPA Flood Map](#)).

Climate

The Climate Change (Scotland) Act 2009 sets out the target and vision set by the Scottish Government for tackling and responding to climate change ([The Climate Change \(Scotland\) Act 2009](#)). The Act includes a target of reducing CO₂ emissions by 80% before 2050 (from the baseline year 1990). The Climate Change (Emissions Reduction Targets) (Scotland) Act 2019 amended the Climate Change (Scotland) Act 2009 to bring the target of reaching net-zero emissions in Scotland forward to 2045 ([Climate Change \(Emissions Reduction Targets\) \(Scotland\) Act 2019](#)).

The Scottish Government has since published its indicative Nationally Determined Contribution (iNDC) to set out how it will reach net-zero emissions by 2045, working to reduce emissions of all major greenhouse gases by at least 75% by 2030 ([Scotland's contribution to the Paris Agreement: indicative Nationally Determined Contribution - gov.scot \(www.gov.scot\)](#)). By 2040, the Scottish Government is committed to reducing emissions by 90%, with the aim of reaching net-zero by 2045 at the latest.

Transport Scotland is committed to reducing carbon across Scotland's transport network and this commitment is being enacted through the Mission Zero for Transport ([Mission Zero for transport | Transport Scotland](#)). Transport is the largest contributor to harmful climate emissions in Scotland. In response to the climate emergency, Transport Scotland are committed to reducing their emissions by 75% by 2030 and to a legally binding target of net-zero by 2045.

Policies and plans

This Record of Determination (RoD) has been undertaken in accordance with all relevant regulations, guidance, policies and plans, notably including the Environment and Sustainability Discipline of the Design Manual for Roads and Bridges ([Design Manual for Roads and Bridges \(DMRB\)](#)) and Transport Scotland's Environmental Impact Assessment Guidance ([Guidance - Environmental Impact Assessments for road projects \(transport.gov.scot\)](#)).

Description of main environmental impacts and proposed mitigation

Air quality

Construction activities associated with the proposed works have the potential to temporarily cause local air quality impacts. Activities undertaken on site may cause dust and particulate matter to be emitted to the atmosphere. However, taking into account the nature and scale of the works and the following mitigation measures, the risk of significant impacts to air quality are considered to be low.

- When not in use, plant and vehicles will be switched off; there will be no idling vehicles.
- All plant, machinery and vehicles associated with the scheme will be maintained in order to minimise emissions, as per manufacturing and legal requirements. No significant dust, particulate matter, and exhaust emissions (DPMEE) sources will be introduced by the works.
- Green driving techniques will be adopted, and effective route preparation and planning shall be undertaken prior to works.
- All delivery vehicles carrying material with dust potential will be covered when travelling to or leaving site, preventing the spread of dust beyond the work area.
- Activities involving cutting/planing out will be appropriately managed to reduce the potential for dust creation. This will involve use of measures such as dampening down or on tool extraction where required.
- Material stockpiles will be reduced as much as is reasonably practicable by using a 'just in time' delivery system. All material will also be stored on made ground.
- Any stockpiled material on site will be monitored daily to ensure no risks of dust emissions exists.
- Materials shall be removed from site as soon as is practicable.
- Good housekeeping will be employed throughout the work.

With the above mitigation measures in place, it is anticipated that any air quality effects associated with the proposed works are unlikely to be significant. This receptor is not considered further in this RoD.

Landscape and visual effects

There is potential for minor, temporary visual impacts to the local landscape during the construction phase as a result of littering or obstructed views due to vehicles and machinery. However, proposed works will be restricted to like-for-like resurfacing of the A82 carriageway and will be carried out over seven days on a rolling programme and land use will not change as a result of the works. Furthermore, the scheme does not lie within an area of land designated as an NSA or NP. In addition, the following mitigation measures will be put in place during works:

- Throughout all stages of the works, the site will be kept clean and tidy, with materials, equipment, plant and wastes appropriately stored, reducing the landscape and visual effects as much as possible.
- Works will avoid encroaching on land and areas where work is not required or is not permitted. This includes general works, storage of equipment/containers and parking.
- Where applicable, upon completion of the works, any damage to the local landscape must be reinstated as much as is practicable.
- The site will be left clean and tidy following construction.

With the above mitigation measures in place, it is anticipated that any landscape and visual effects associated with the proposed works are unlikely to be significant. This receptor is not considered further in this RoD.

Biodiversity

The scheme is not situated within or in 300m proximity to a 'sensitive area' designated for biodiversity features e.g., SAC, SPA, Ramsar or SSSI.

During road resurfacing, activities undertaken on site could potentially have a temporary adverse impact on biodiversity in the area as a result of an increased vehicle presence and the potential for disturbance to protected species and pollution of habitats.

Pollution controls and good practice measures to reduce impacts of works on the local environment will be detailed in the Site Environmental Management Plan (SEMP) and adhered to on site. Any protected species in the area are likely to be accustomed to road noise on the A82 and the scheme is of short duration, using a daytime programming. Therefore, with the following mitigation measures in place, the risk of significant impacts on biodiversity are considered to be low:

- Works will be strictly limited to areas required for access and works. Unnecessary encroachment onto terrestrial or aquatic areas will not be tolerated.
- All construction operatives will be briefed through toolbox talks prior to works commencing. The toolbox talks will provide information on the legislation, general ecology, and best practice measures for relevant protected species.
- No tree-felling or in-stream works are permitted.
- Site personnel shall remain vigilant for the presence of any protected species throughout the works period. Should a protected species be noted during construction, works will temporarily halt until the species has sufficiently moved on. Any sightings of protected species will be reported to the BEAR Scotland Environmental Team.
- Artificial lighting (if required) will be directed away from road verges, woodland, and waterbodies as far as is safe and reasonably practicable.
- Site personnel will remain vigilant for the presence of potentially unrecorded instances of INNS or injurious weeds in road verges throughout the works period. Should any INNS be identified in working areas, no works will take place within 7m of these areas until the BEAR Scotland Environmental Team can provide further advice on additional mitigation measures.
- A 'soft start' will be implemented on site each day. This will involve switching on vehicles and checking under/around vehicles and the immediate work area for mammals prior to works commencing to ensure none are present and that there is a gradual increase in noise.
- Any excavations, exposed pipes/drains, or areas where an animal could become trapped (e.g., storage containers) will be covered over when not in use, at the end of each shift, and following completion of the works to avoid animals falling in and becoming trapped.
- If fencing is utilised at any point during the works, a gap of 200mm from ground level will be provided, allowing free passage for mammals and preventing entrapment.

With the above mitigation measures in place, it is anticipated that any biodiversity effects associated with the proposed works are unlikely to be significant. This receptor is not considered further in this RoD.

Geology and soils

Although, the scheme lies within Parallel Roads of Lochaber SSSI and Glen Roy and the Parallel Roads of Lochaber GCRS, all works are confined to the A82 carriageway and are restricted to like-for-like replacement of the road surfacing material. The works do not involve movement of earth or any type of operation requiring consent from the Nature Scot. The impact on the SSSI and GCRS is assumed to be negligible.

The following measures will be applied to on site:

- The parking of machinery/personnel and storage of equipment on road verges will be minimised as far as is reasonably practicable.
- Upon completion of the works, any damage to the local landscape (i.e. damage to grass verges) should be reinstated as much as is practicable.
- Mitigation measures to prevent contamination of soils through loss of containment will be strictly adhered to.

With the above mitigation measures in place, it is anticipated that any geology and soils effects associated with the proposed works are unlikely to be significant. This receptor is not considered further in this RoD.

Material assets and waste

There is potential for impacts as a result of resource depletion through use and transportation of new materials. However, materials will be sourced locally where possible and the following mitigation measures will be put in place:

- Materials will be sourced from recycled origins as far as reasonably practicable within design specifications.
- Care will be taken to order the correct quantity of required materials to prevent the disposal of unused materials.
- Where possible, minimal packaging shall be requested on required deliveries to reduce unnecessary waste and production of packaging materials.

There is potential for impacts during works as a result of the improper storage or disposal of waste. The following mitigation measures will be put in place:

- The waste hierarchy (Reduce, Reuse, Recycle and Dispose) will be employed throughout the construction works.

- The subcontractor will adhere to waste management legislation and ensure they comply with their Duty of Care.
- Containment measures will be in place to prevent debris or pollutants from entering the surrounding environment.
- All wastes and unused materials will be removed from site in a safe and legal manner by a licensed waste carrier upon completion of the works. The appointed waste carrier will have a valid SEPA waste carrier registration, a copy of which will be provided to and retained by BEAR Scotland as early as possible.
- Road planings will be re-used or recycled under a SEPA Paragraph 13(a) waste exemption and in line with BEAR Scotland's Procedure 126: The Production of Fully Recovered Asphalt Road Planings.
- All appropriate waste documentation will be present on site and be available for inspection. A copy of the Duty of Care paperwork shall be provided and filed appropriately in accordance with the Code of Practice (as made under Section 34 of Environmental Protection Act 1990 as amended).
- Re-use and recycling of waste will be encouraged, and the subcontractor will be required to fully outline their plans and provide documentary evidence for waste arising from the works (e.g., waste carrier's licence, transfer notes, and waste exemption certificates).
- Staff will be informed that littering will not be tolerated. Staff will be encouraged to collect any litter seen on site.
- Where applicable, all temporary signage will be removed from site on completion of the works.

With the above mitigation measures in place, it is anticipated that any material assets and waste effects associated with the proposed works are unlikely to be significant. This receptor is not considered further in this RoD.

Noise and vibration

Construction activities associated with the proposed works have the potential to cause noise and vibration impacts through the use of equipment and construction vehicles for the proposed activities. The works will take place during daytime working hours on a rolling programme. The proposed scheme is anticipated to result in temporary minor adverse noise impacts. The following mitigation measures will be put in place:

- The Best Practice Means, as defined in Section 72 of the Control of Pollution Act 1974, will be employed at all times to reduce noise to a minimum.
- On-site construction tasks should be programmed to be as efficient as possible, with a view to limiting noise disruption to local sensitive receptors.
- All site personnel will be fully briefed in advance of works regarding the need to minimise noise during works and of the site-specific sensitivities.
- All plant, machinery and vehicles will be switched off when not in use.
- All plant will be operated in such a way that minimises noise emissions and will have been maintained regularly to the appropriate standards.
- Where fitted, and where permitted under Health and Safety requirements, white noise reversing alarms should be utilised during construction.
- Where ancillary plant such as generators are required, they will be positioned so as to cause minimum noise disturbance. Where deemed necessary, acoustic screens will be utilised.

With the above mitigation measures in place, it is anticipated that any noise and vibration effects associated with the proposed works are unlikely to be significant. This receptor is not considered further in this RoD.

Population and human health

During construction, activities undertaken on site may have temporary adverse impacts on local residents, vehicle travellers, and non-motorised road users (NMUs) as a result of vehicle noise and delays due to traffic management measures.

Works will be restricted to the A82 trunk road carriageway. Road users will be informed of works through a media release, which will provide details of construction dates and times. The works will be of short duration and will move progressively along the full individual scheme extents. With the following mitigation measures in place, the risk of significant impacts on population and human health is considered to be low:

- If access to local properties is restricted, then residents will be notified of the impending works. This notification will provide contact details (office phone number and e-mail address) for the Project Engineer as well as a 24-hour contact number for the BEAR Scotland Control Room.
- Where ancillary plant such as generators are required, they will be positioned so as to cause minimum noise disturbance.

- Appropriate provisions / measures will be implemented within the traffic management to allow the safe passage of NMUs of all abilities through the site.
- Journey planning information will be available for drivers online at the trafficscotland.org website. Journey planning information will also be available for drivers online through BEAR's social media platforms.

With the above mitigation measures in place, it is anticipated that any population and human health effects associated with the proposed works are unlikely to be significant. This receptor is not considered further in this RoD.

Road drainage and the water environment

During resurfacing works, there is potential for temporary impacts on the water environment. Potential changes in water quality from pollution events (either by accidental spillage of sediments, particulate matter, chemicals, fuels or by mobilisation of these in surface water caused by rain or tidal movements) during works have the potential to have a direct or indirect effect on the surrounding waterbodies. The following mitigation measures will be put in place to reduce the risk of pollution incidents as a result of works:

- Standard working practices to comply with The Water Environment (Controlled Activities) (Scotland) Regulations 2011 (as amended) for works near water are detailed in the SEMP and will be adhered to on site.
- The scheme will not entail any in-stream works.
- No discharges into any watercourses or drainage systems are permitted. Appropriate containment measures will be in place to prevent any loss of construction materials into the water environment.
- An incident response (contingency) plan will be put in place to reduce the risk from pollution incidents or accidental spillages. All necessary containment equipment, including suitable spill kits (for oil and chemicals) will be available on site, quickly accessible if needed, and staff trained in their use.
- All spills will be logged and reported. In the event of any spills into the water environment, all works will stop, and the incident will be reported to the project manager and the BEAR Scotland Environmental Team. SEPA will be informed of any such incident as soon as possible using the SEPA Pollution Hotline.

- All plant and equipment will be regularly inspected for any signs of damage and leaks. A checklist will be present to make sure that the checks have been carried out.
- All hazardous material stored on site is required to undergo assessment under the Control of Substances Hazardous to Health (COSHH) Regulations 2002. These assessment(s) will contain a section on environment which highlights any precautions and mitigation requirements for safe storage.
- Storage of hazardous material, oil and fuel containers shall be distanced more than 10m away from any watercourses.
- If required, a designated refuelling area will be identified. Fuel bowsers will be stored on an impermeable area and be fully bunded. This shall be distanced more than 10m from any watercourses.
- During refuelling of smaller mobile plant, a funnel will be used, and drip trays will be in place. Care will be taken to reduce the chance of spillages. Spill kits will be quickly accessible to capture any spills should they occur. The ground / stone around the site of a spill will be removed, double bagged and taken off site as special contaminated waste.
- Generators and static plant may have the potential to leak fuel and / or other hydrocarbons and will have bunding with a capacity of 110%. If these are not bunded then drip trays shall also be supplied beneath the equipment with a capacity of 110%.

With the above mitigation measures in place, it is anticipated that any road drainage and the water environment effects associated with the proposed works are unlikely to be significant. This receptor is not considered further in this RoD.

Climate

Construction activities associated with the proposed scheme works have the potential to cause local air quality impacts as a result of the emission of greenhouse gases through the use of vehicles and machinery, material use and production, and transportation of materials to and from site. The following mitigation measures will be put in place:

- BEAR Scotland will adhere to their Carbon Management Policy.
- Local contractors and suppliers will be used as far as practicable to reduce fuel use and greenhouse gas emitted as part of the works.
- Where possible, materials will be sourced locally to reduce greenhouse gas emissions associated with materials movement, and waste will be disposed at local landfill.

With the above mitigation measures in place, it is anticipated that any climate effects associated with the proposed works are unlikely to be significant. This receptor is not considered further in this RoD.

Major Accidents and Disasters

The trunk road, within the scheme extents, is not at risk of surface water flooding.

Works are restricted to the A82 carriageway boundary, and any TM will be designed in line with existing guidance. The proposed works are anticipated to last for a total of seven days. TM will consist of single lane closures with TTLs and a day-time convoy system. Where required, alternative pedestrian/cyclist measures of passage will be included in the traffic management setup to minimise impact of the works on NMUs.

These measures, along with mitigation measures and standard working practices, will be detailed in the SEMP and adhered to on site. The vulnerability of the project to risks of major accidents and disasters is considered to be low.

Assessment cumulative effects

During construction, the properties closest to the works may be subject to several types of minor temporary disturbance such as changes to noise and vibration and air quality. However, these impacts will be temporary in nature and are not anticipated to result in a significant cumulative effect. A search of the Highland Council Planning Portal ([Map Search](#)) identified no planning applications within 300m of the scheme.

A search of the Scottish Roads Works Commissioner's website ([Map Search](#)) has identified that no other roadworks are currently ongoing, or noted as being planned at the same time as this scheme, on the trunk road at the schemes location and within 3km of the scheme. Due to the nature of the proposed works, and absence of other developments in the vicinity of the works, there are no cumulative effects anticipated.

BEAR Scotland programmes all of their proposed works in line with appropriate guidance and contractual requirements. All schemes are programmed to take into account existing and future planned works, with a view of limiting any cumulative effects relating to traffic management. As a result of this exercise, where a potential for cumulative impacts is identified, BEAR will reprogramme schemes to avoid / limit any cumulative effects or will utilise existing traffic management to complete multiple schemes at once. This approach allows BEAR Scotland to effectively manage the potential cumulative effects as a result of traffic management, resulting in minimal disruption to users of the Scottish trunk road network.

Overall, it is unlikely that the proposed works will have a significant cumulative effect with any other future works in the area.

Assessments of the environmental effects

As detailed in the Description of Main Environmental Impacts and Proposed Mitigation section within this Record of Determination, there are no significant effects anticipated on any environmental receptors as a result of the proposed works.

Statement of case in support of a Determination that a statutory EIA is not required

This is a relevant project in terms of section 55A(16) of the Roads (Scotland) Act 1984 as it is a project for the improvement of a road and the completed works (together with any area occupied by apparatus, equipment, machinery, materials, plant, spoil heaps, or other such facilities or stores required during the period of construction) are situated in whole or part in the Parallel Roads of Lochaber SSSI, which is a sensitive area within the meaning of regulation 2(1) of the Environmental Impact Assessment (Scotland) Regulations 1999.

The project has been subject to screening using the Annex III criteria to determine whether a formal Environmental Impact Assessment (EIA) is required under the Roads (Scotland) Act 1984 (as amended by The Roads (Scotland) Act 1984 (Environmental Impact Assessment) Regulations 2017). Screening using Annex III criteria and review of available information has not identified the need for a statutory EIA.

The project will not have significant effects on the environment by virtue of factors such as:

Characteristics of the scheme:

- The total working area does not exceed 1 ha.
- The works will be temporary, transient, localised, and completed during daytime hours on a rolling programme.
- The works will be like-for-like in nature and will be restricted to the existing A82 carriageway, and as such there will be no residual change to the local landscape as a result of the works.

- Changes to the local landscape during the construction phase will be minor, temporary and not considered significant. In addition, no operational impacts are anticipated.
- Containment measures of the working area will be in place to prevent debris or pollutants from entering the surrounding environment.
- Works are not expected to result in disturbance to protected species that may be present in the wider area.
- No in-combination effects have been identified.
- The risk of major accidents or disasters is considered to be low.
- By removing the carriageway defects this will provide this part of the A82 carriageway with another life cycle, and significantly improve the ride quality, which will result in safer conditions for road users.

Location of the scheme:

- Although the works are located within Parallel Roads of Lochaber SSSI and Glen Roy and the Parallel Roads of Lochaber GCRS, the works will not have an impact on the geological SSSI or GCRS.
- The scheme will be confined within the existing carriageway boundaries and as a result will not require any land take and will not alter any local land uses.
- Any impacts to the local landscape during the construction phase will be minor, temporary and not considered significant. In addition, no operational impacts are anticipated.

Characteristics of potential impacts of the scheme:

- Any potential impacts of the works are expected to be temporary, short-term, non-significant, and limited to the construction phase.
- The SEMP will include plans to address environmental incidents.
- No impacts on the environment are expected during the operational phase as a result of works. The works are expected to result in positive impacts on road users during the operational phase.
- As the works will be limited to the like-for-like replacement of the structural components, there is no change to the vulnerability of the road to the risk or severity of major accidents/disasters that would impact on the environment.
- Mitigation measures detailed above (and in the SEMP) will be put in place with the objective to prevent and, if required, subsequently control any potential impacts on sensitive receptors.

Annex A

“sensitive area” means any of the following:

- land notified under sections 3(1) or 5(1) (sites of special scientific interest) of the Nature Conservation (Scotland) Act 2004
- land in respect of which an order has been made under section 23 (nature conservation orders) of the Nature Conservation (Scotland) Act 2004
- a European site within the meaning of regulation 10 of the Conservation (Natural Habitats, &c.) Regulations 1994
- a property appearing in the World Heritage List kept under article 11(2) of the 1972 UNESCO Convention for the Protection of the World Cultural and Natural Heritage
- a scheduled monument within the meaning of the Ancient Monuments and Archaeological Areas Act 1979
- a National Scenic Area as designated by a direction made by the Scottish Ministers under section 263A of the Town and Country Planning (Scotland) Act 1997
- an area designated as a National Park by a designation order made by the Scottish Ministers under section 6(1) of the National Parks (Scotland) Act 2000.



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