

Process: Enablers – Health Safety and Environment

Mandatory

HA PROCESS

Title: Environmental Alert Form (Full)

Generic

Guidance

Contract Specific

**HA7****ENVIRONMENTAL ALERT FORM (Full)**

To be completed by Engineering or Operations Staff

*Circle appropriate response where provided; fill in spaces provided as necessary*

<b>Name of Designer: (Print)</b>	Dave MacMillan	<b>Works Order No:</b>	52200806
<b>Scheme Name &amp; Location inc OSGR or NGR:</b>	M11 Site B – Junction 6	<b>Completion Date:</b>	12.11.14
	X 547836          Y 201297		
		<b>Revision:</b>	-

**Provide sufficient information on the scheme location and scope of works to fully explain the scheme and its extents. Please attach relevant drawings/plans/photos/other information:**

The site is split into four sections (Sections B1, B2, B3 and B4) based on location of observed geotechnical defects. All of these sections need remediation to ensure slope stability. It is thought that the major factor in slope instability is the pore water pressure regime and that soil slope failure is more shallow slip rather than global stability. Elevated water content within the Embankment Fill is likely to have been caused by carriageway surface water run-off infiltrating the embankment and causing localised saturation and softening of materials. Elevated water conditions are therefore likely to have caused localised soil failure within the upper section of the embankment slope. As such, if drainage is restored and/or enhanced then the moisture content of the embankment fill can be lowered. This could be achieved by undertaking the following:

- Prevention of carriageway run-off onto the embankment slope face and reduce water content in embankment fill by restoring and/or enhancing existing drainage assets (a CCTV drainage survey is required first),
- Restore failed soil materials in the uppermost 2m of embankment to initial slope geometry with use of granular materials, and
- Install erosion matting within upper failed section of embankment to prevent further surface movement of the embankment slope should drainage become dysfunctional again in the future.

Other associated works required as part of the scheme are as follows:

- Repaire any damaged kerbs adjacent to the hard shoulder
- Removal and replacement of existing VRS along NB verge
- Resurfacing of the main carriageway with Lanes 1 and 2 and the Hard Shoulder

<b>Is the site, including contractors' accommodation, totally contained within the highway boundary?</b>		<b>YES</b>	<b>NO</b>
<b>Overall character of the location:</b>	<b>RURAL</b>	<b>SEMI-RURAL</b>	<b>URBAN</b>
		<b>INDUSTRIAL</b>	
<b>Was a Short Environmental Alert Form completed and submitted to the Environment Team at the Value Management Stage?</b>	<b>NOT KNOWN</b>	<b>YES</b>	<b>NO</b>
<b>Has the Highways Agency been informed of any environmental issues justifying or arising from this scheme through the Value Management or other process?</b>	<b>NOT KNOWN</b>	<b>YES</b>	<b>NO</b>

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<b>Please state whether this is a strictly maintenance scheme or improvement scheme.</b>	<b>MAINTENANCE</b>	<b>IMPROVEMENT</b>
<b>Is the total works area likely to be over 1 ha?</b> <i>See Note 2 below</i>	<b>YES</b>	<b>NO</b>
<p>Note 1: Funding from a 'MAINTENANCE' budget – Record of Determination <u>IS NOT</u> required;  Funding from a 'NON-MAINTENANCE' budget AND works area &gt; 1 ha – Record of Determination <u>IS</u> required.  Funding from a 'NON-MAINTENANCE' budget AND works area ≤ 1 ha – Record of Determination <u>IS NOT</u> likely to be required.</p> <p>Note 2: Total works area <u>COMPRISES</u> the sum of the respective areas in which works are to be carried out AND materials are to be stored AND equipment/vehicles are to be stored/parked AND accommodation/welfare provisions are to be located.  Total works area <u>DOES NOT INCLUDE</u> areas occupied <u>EXCLUSIVELY</u> by measures installed for the management of road traffic.</p>		
<b>Is the cost of the works expected to exceed £300,000?</b> <i>See Notes 3, 4 &amp; 5 below</i>	<b>YES</b>	<b>NO</b>
<b>Is the cost of the works expected to exceed £500,000?</b> <i>See Notes 3, 4 &amp; 5 below</i>	<b>YES</b>	<b>NO</b>
<p>Note 3: '...the cost is the price in the accepted tender or, if there is no tender, the cost of labour, plant and materials, overheads and profit.' – <i>The Site Waste Management Plans Regulations 2008</i>.</p> <p>Note 4: A site waste management plan is a statutory requirement for works costing more than £300,000.  An environmental plan is required where works cost more than £500,000.</p> <p>Note 5: According to IAN 153/11, schemes that exceed £300,000 will require a Simple Level of Assessment for Materials &amp; Resources;  Schemes which exceed £500,000 will require a Detailed Materials &amp; Resources Assessment.</p>		

## NOISE, VIBRATION & AIR QUALITY

<b>Are there any dwellings and/or business premises within 300m of the scheme?</b>		<b>YES</b>	<b>NO</b>
<b>Are any of the following sensitive locations within 300m of the scheme?</b>		<b>NOT KNOWN</b>	<b>YES</b> (identify below) <b>NO</b>
SCHOOL	HOSPITAL	RESIDENTIAL / NURSING HOME	OTHER ( <i>Specify</i> )
<b>Is the scheme likely to significantly increase noise levels at nearby premises or sensitive locations?</b>	NOT KNOWN	<del>YES</del> Permanently	<b>YES</b> During Works only <b>NO</b>
<b>Is the scheme likely to significantly increase local atmospheric particulate levels (e.g. dust) at nearby premises or sensitive locations?</b>	NOT KNOWN	<del>YES</del> Permanently	<b>YES</b> During Works only <b>NO</b>
<b>Is the scheme likely to produce noticeable unpleasant odours, fumes etc. or any noxious discharges to the atmosphere at nearby premises or sensitive locations?</b>	NOT KNOWN	<del>YES</del> Permanently	<b>YES</b> During Works only <b>NO</b>
<b>Is the proposed equipment/machinery likely to cause high levels of vibration?</b>	NOT KNOWN	<b>YES</b>	<b>NO</b>
<i>(Provide brief details as appropriate)</i> <b>Excavation, resurfacing and drainage works</b>			

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**LANDSCAPE**

Does the scheme require <b>PERMANENT/TEMPORARY</b> landtake from any of the following?					NONE	TEMPORARY	PERMANENT
ARABLE LAND	ROCK CUTTING	PASTURE/MEADOW	PARK / PLAYING FIELD		WOODLAND		
FLOOD PLAIN	ESTUARY	MARSH/WETLAND	RESIDENTIAL PROPERTY		BUSINESS PROPERTY		
OTHER (Specify)							
Are there any trees within falling distance of the proposed works?					NOT KNOWN	YES	NO
Does the scheme require <b>TEMPORARY</b> or <b>PERMANENT</b> removal of any of the following vegetation?					NOT KNOWN	YES	NO
TREE(s)	SHRUB	HEDGEROW(s)	SCRUB	GRASS	AQUATIC VEGETATION (e.g. pond weed, reeds, rushes, sedges, etc.)		
OTHER (Specify) <b>General Vegetation works</b>							
<b>IF VEGETATION DISTURBANCE WILL BE REQUIRED PLEASE SUBMIT A PLAN SHOWING THE LOCATIONS WITH THIS ALERT FORM</b>							

**CULTURAL HERITAGE**

Are there any Cultural Heritage features within a 300m radius of the scheme (e.g. archaeological sites, historic buildings, historic landscapes, etc)?				NOT KNOWN	YES (provide details below)	NO
(Provide brief details as appropriate)						

**NATURE CONSERVATION**

Is there evidence of any of the following fauna on or adjacent to the site?				NOT KNOWN	YES (identify below)	NO
BADGERS	FOXES	BIRDS		AMPHIBIANS (e.g. newts, frogs, toads)		
RABBITS	OTHER MAMMAL	FISH		REPTILES (e.g. snakes, slow worms)		
NOT SURE (Specify)						
Is there evidence of any of the following invasive/injurious plants on or adjacent to the site?				NOT KNOWN	YES (identify below)	NO
COMMON RAGWORT	JAPANESE KNOTWEED	GIANT HOGWEED		HIMALAYAN BALSAM		
NOT SURE (Specify)						
Is the scheme located within or in close proximity to any environmentally sensitive site?				NOT KNOWN	YES (identify below)	NO
AONB	SAC	SPA		Ramsar		
Please state others: e.g. SSSIs Local Nature Reserves.						

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**ROAD DRAINAGE & THE WATER ENVIRONMENT**

Will the scheme require <b>PERMANENT</b> physical changes to existing watercourses, water bodies, or other features of the water environment?						NOT KNOWN	YES (identify below)	NO
CANAL	LAKE	POND	RIVER	STREAM	DITCH	OTHER (Specify)		

Will the scheme require <b>TEMPORARY</b> (during works only) physical changes to existing watercourses, water bodies, or other features of the water environment?						NOT KNOWN	YES (identify below)	NO
CANAL	LAKE	POND	RIVER	STREAM	DITCH	OTHER (Specify)		

Will the scheme change the local drainage infrastructure and/or catchment area? Will the volume of discharge be increased?						NOT KNOWN	YES (identify below)	NO
The works aim to prevent carriageway run-off onto the embankment slope face and reduce water content in embankment fill by restoring and/or enhancing existing drainage assets.								

Are there likely to be liquid discharges from the works in relation to any of the following activities?						YES (identify below)	NO	
DUST SUPPRESSION		HYDRO-DEMOLITION		PRESSURE WASHING				
DRAINAGE CLEANSING		DEWATERING		EXCAVATIONS				
OTHER (Specify – e.g. chemical processes)								

Are appropriate pollution prevention/control measures being considered with respect to liquid discharges identified above?						NOT APPLICABLE	YES	NO
Will any fuel and/or chemicals be stored on site?						NOT KNOWN	YES	NO
Are appropriate pollution prevention/control measures being considered with respect to potential leakages/spillages of any stored fuel and chemicals?						NOT APPLICABLE	YES	NO

**COMMUNITY EFFECTS & ALL TRAVELLERS**

Will the scheme cause <b>PERMANENT</b> disruption and/or restriction of access to any of the following existing features?						NOT KNOWN	YES (identify below)	NO
RESIDENCES	SENSITIVE LOCATIONS	FARMS	OTHER BUSINESSES	PUBLIC CALL BOXES				
POST BOXES	BUS STOPS/SHELTERS	PUBLIC RIGHTS OF WAY	LOCAL TRAFFIC	THROUGH TRAFFIC				
(Provide brief details as appropriate)								

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<b>Will the scheme cause TEMPORARY (during works only) disruption and/or restriction of access to any of the following existing features?</b>				NOT KNOWN	YES (identify below)	NO
RESIDENCES	SENSITIVE LOCATIONS	FARMS	OTHER BUSINESSES	PUBLIC CALL BOXES		
POST BOXES	BUS STOPS/SHELTERS	PUBLIC RIGHTS OF WAY	LOCAL TRAFFIC	THROUGH TRAFFIC		
<i>(Provide brief details as appropriate)</i> Lane closures may affect local and through traffic.						

<b>Will the completed scheme permanently adversely affect views from local properties?</b>	NOT KNOWN	YES	NO
<b>Does the scheme involve works taking place at night?</b>	NOT KNOWN	YES	NO
<b>Is the location of the scheme regarded as an accident black spot?</b>	NOT KNOWN	YES	NO
<b>Is there a high level of local community interest in the scheme and/or its consequences?</b>	NOT KNOWN	YES (provide details below)	NO
<i>(Provide brief details of any known community issues)</i>			

**GEOLOGY & SOILS**

<b>Will the scheme involve excavation works?</b>		YES	NO
<b>Has the site been previously excavated?</b>	NOT KNOWN	YES	NO
<b>Is any part of the site located on contaminated ground (e.g. previously a site of an industrial process, disused landfill site)?</b>	NOT KNOWN	YES (provide details below)	NO
<i>(Provide brief details as appropriate)</i>			
<b>Will any excavated materials be retained on site?</b>	NOT APPLICABLE	NOT KNOWN	YES
<b>If yes, please give details of how will the excavated materials be stored</b>	<i>(Provide brief details as appropriate)</i> <b>To be Confirmed</b>		

**WASTE & MATERIALS**

<b>Will the works generate waste (including excavated materials)?</b>			NOT KNOWN	YES (identify below)	NO
PLANINGS (pavement surfacing)	CONCRETE / HARDWARE	PLASTICS			
METALS	WOOD	EARTH			
OTHER: <i>(Specify - e.g. batteries, drainage cleansing arisings, septic tanks contents, office paper)</i>					

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<b>Is any waste likely to be hazardous?</b> <i>See Note 6 below</i>	Not applicable	NOT KNOWN	YES	NO
Note 6: For initial identification purpose – “a waste <u>marked with an asterisk</u> in the List of Wastes is considered listed in the List of Wastes as a hazardous waste for the purposes of regulation 6(a) of the Hazardous Waste Regulations.” Ref. 'The List of Waste (England) Regulations 2005' & The Hazardous Waste(England and Wales) Regulations 2005				
<b>Is there an Asbestos Survey for this section of the carriageway/structure?</b>	NOT KNOWN (Refer to Note 7 below)	YES	NO (Refer to Note 8 below)	
Note 7: To determine whether an Asbestos Survey has been undertaken for the location please contact [REDACTED] for Roads Schemes or [REDACTED] for Structures. Note 8: If an Asbestos Survey is required for the location, please refer to <a href="#">CON/IUH-MAC09-7SE26</a> Asbestos Checks for Planned Works				

**SUSTAINABILITY MANAGEMENT**

<b>Have any recycling/reuse options been considered for use in this scheme with respect to site-generated waste?</b>	NOT APPLICABLE	YES (provide details below)	NO	
<i>(Provide brief details as appropriate)</i>				
<b>Have any recycling/reuse options been considered with respect to materials imported for use in this scheme (e.g. aggregate)?</b>	NOT APPLICABLE	YES (provide details below)	NO	
<i>(Provide brief details as appropriate)</i>				
<b>Where completed scheme requires a permanent energy supply, have the use of any following energy sources been considered/implemented?</b>	NOT APPLICABLE	NOT KNOWN	YES (identify below)	NO
SOLAR	WIND	BIOMASS	OTHER <i>(specify)</i>	
<i>(Provide brief details as appropriate)</i>				
<b>Where completed scheme requires a permanent lighting installation, have the use of any of the following devices been considered/implemented?</b>	NOT APPLICABLE	NOT KNOWN	YES (identify below)	NO
LOW-ENERGY LIGHT UNITS	TIMER CONTROL UNITS	PCUs	OTHER <i>(specify)</i>	
<i>(Provide brief details as appropriate)</i>				
<b>Where completed scheme requires a permanent water supply, have water recycling/water harvesting systems been considered/implemented?</b>	NOT APPLICABLE	NOT KNOWN	YES (identify below)	NO
<i>(Provide brief details as appropriate)</i>				

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Please submit completed form along with an appropriately sized plan indicating location and extent of works, and any other relevant information (e.g. photographs if available, proposed designs) to the Environment Team at the IDH at the email address below:

[environment.birmingham@amey.co.uk](mailto:environment.birmingham@amey.co.uk)

Anticipated works start date <i>(if known):</i>	March 2015	Anticipated duration of works:	12 weeks	Requested latest response date:	09.12.14
Return details: <i>(Name/address/e-mail)</i>	[REDACTED]				