



RESIDUAL DESIGN HAZARDS
 (The following information has been collected from Preconstruction Information and the AmeyArup CDM Hazard Management Process.)

- LEGEND**
- Site of Special Scientific Interest (SSSI)
 - Inventory of Gardens and Designed Landscapes
 - Scheduled Monuments
 - Inventory of Historic Battlefields
 - Category A Listed Building
- Environmental appraisal impact**
- Major Adverse Impact alignment section
 - Moderate Adverse Impact alignment section
 - Minor Adverse Impact alignment section

P02	Final	AC	JC	FM	NH	AF
		17/04/18	18/04/18	18/04/18	18/04/18	18/04/18
P01	Draft	AC	JC	FM	NH	AF
		10/04/2018	11/04/2018	11/04/2018	12/04/2018	13/04/2018
Revision	Revision details	Created	Checked	Reviewed	Approved	Authorised
		dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer
 Precision House
 McNell Drive
 Motherwell
 ML1 4UR

Client
 58 Port Dundas Road
 Glasgow
 G4 0HF

Project Name
A96 Dualling: East of Huntly to Aberdeen

Drawing Title
First Fix Environmental Appraisal of Alignment CS02

Project Ref. No. 250002-92	Stage Stage 2	Scale : 1:25,000 @A1 Dimensions :
-------------------------------	------------------	--------------------------------------

Drawing Number	Project	Originator	Volume
A96PEA - AMAR - EGN - CC	- AMAR - EGN - CC	- DR-EN - 000005	- DR-EN - 000005
Location	Type	Role	Number

Suitability S4	Suitability Description Fit for Stage Approval	Revision P02
-------------------	---	-----------------

© Crown copyright and database right (2017). All rights reserved. Ordnance Survey Licence number 100046668
 Contains Historic Environment Scotland and Ordnance Survey data © Historic Environment Scotland - Scottish Charity No. SC045925 © Crown copyright and database right 2018
 Copyright Scottish Natural Heritage Contains Ordnance Survey data © Crown copyright and database right 2018

Alignment	Landscape and visual impact	Landscape and visual commentary	Water	Water commentary	Ecology	Ecology commentary	People and community	People and community commentary	Noise	Noise commentary	Air quality	Air quality commentary	Cultural heritage	Cultural heritage commentary	Plans and policies	Plans and policies commentary	Soil and geology	Soil and geology commentary
CS02-001		10km of the alignment lies within the Bannachie Special Landscape Area (SLA). Major adverse effects on this section are mainly due to earthworks of more than 15m and substantial loss of woodland and ancient woodland. Due to the SLA designation and the high quality of the landscape the rating will be Major adverse for the whole section within the SLA. Outwith the SLA, Major adverse effects are due to the loss of ancient woodland. Moderate adverse effects along the alignment are due to earthworks of 5-15m and loss of woodland and ancient woodland. The overall assessment of the alignment is Major adverse.		Route crosses extensive floodplain of the Lin Burn (ch.3150m) and is not perpendicular to flow (major adverse). This localised area of extensive floodplain could be avoided by crossing further upstream or downstream. Route crosses extensive floodplain of the Tuach Burn (ch.17750m) and is not perpendicular to flow (major adverse). Route crosses the extensive floodplain of the River Don (ch.8050m) and is perpendicular to flow (moderate adverse).		Ecological receptors/constraints include three local designated sites (including Bannachie), several areas of woodland, badger habitat, and one water crossing.		The following properties lie within the alignment: The Bungalow and Hay Lee at Whitecross. The Mill House, Bannachie. Well-Heys off the 8994. East Leylodge Cottage and South Lee Cottage, at East Leylodge near Kintore. Bighead Farm Shop. Concrag Bothy, Boghead. Marshall's Farm Shop. One very small area of class 3.1 agricultural land to the north of the route (at Whitecross). Distance of only 200m along route only. Predominantly class 3.2 along alignment with pockets of class 4.1 and 4.2.		There is noticeable potential decrease to level of the existing noise climate in Inverurie and Kintore resulting from the introduction of new roads and rerouting of existing traffic. However, changes to the noise climate may take place upon communities with a relative high population count, which are located close to the new roads.		The baseline alignment between Huntly and Inverurie is sparsely populated. The new alignment moves the road to a similarly sparsely populated area. All of the alignments are distant from inhabited areas with population seemingly <10pp/km.		The alignment passes in close proximity to a cluster of assets at the northern end of the route and may impact on the setting of Category A Listed Harthill Castle (Listed Building - LB16132), Maiden Castle fort (Scheduled Monument - SM12012), and Category B Listed Pittodrie House (LB2853). This applies to all of the alignments. The alignment would likely be visible within the key view south-west from East Aquorthies stone circle (SM9026 and HES Property in Care), causing an impact on its setting. The alignment would also be visible within the key view south-east from Category A Listed Aquorthies House (LB9073) and Category B Listed Manar House (LB9074). The alignment passes in proximity to South Leylodge steading stone circle (SM12350) and may have an effect on its setting.		The route does not pass through any LDP allocations or settlements. It does pass within close proximity of a number of small scale committed developments. It passes directly through Tom's Forest which is an area of tree felling and within the established boundary of Tom's Forest Quarry.		Small area of prime agricultural land, contaminated land (made ground, worked ground), and mineral resources over large areas of alignment.
CS02-002		10.8km of the alignment lies within Bannachie SLA. Major adverse effects occur along a 5km section mainly due to earthworks of more than 15m and substantial loss of woodland and ancient woodland. Due to the SLA designation and the high quality of the landscape, the rating will be Major adverse for the whole section within the SLA. Outwith the SLA, Major adverse effects are due to the loss of ancient woodland and earthworks of more than 15m. Moderate adverse effects along the alignment are due to earthworks of 5-15m and loss of woodland. The overall assessment of the alignment is Major adverse.		Route crosses extensive floodplain of the Lin Burn (ch.3700m) and is not perpendicular to flow (major adverse). This localised area of extensive floodplain could be avoided by crossing further upstream or downstream. Route crosses the extensive floodplain of the River Don (ch.8650m) and is perpendicular to flow (moderate adverse). Potential for active morphology at crossing of Tuach Burn at ch.17200m (moderate adverse).		Ecological receptors/constraints include three local designated sites (including Bannachie), several areas of woodland, badger habitat, and two water crossings.		The following properties lie within the alignment: Bighead Farm Shop. Concrag Bothy, Boghead. Marshall's Farm Shop. No class 3.1 land or above, it is predominantly class 3.2 with pockets of Class 4.1 and 4.2.		Potential noticeable decrease to level of current noise climate at Inverurie and Kintore, resulting from rerouting traffic via new roads. The increase to noise from the new roads, potentially impacts communities with a relative medium population count, which are located close to the new roads.		The baseline alignment between Huntly and Inverurie is sparsely populated. The new alignment moves the road to a similarly sparsely populated area. All of the alignments are distant from inhabited areas with population seemingly <10pp/km.		The alignment passes in close proximity to a cluster of assets at the northern end of the route and may impact on the setting of Category A Listed Harthill Castle (LB16132), Maiden Castle fort (SM12012), and Category B Listed Pittodrie House (LB2853). This applies to all of the alignments. The alignment would also be visible within the key views south-east from Category A Listed Aquorthies House (LB9073) and Category B Listed Manar House (LB9074). The alignment passes in close proximity to Castle of Halfforest (SM92) and is likely to cause an impact on its setting.		The route does not pass through any LDP allocations or settlements. It does pass within close proximity of a number of small scale committed developments. It passes directly through Tom's Forest which is an area of tree felling and within the established boundary of Tom's Forest Quarry.		Small area of peat, contaminated land (made ground), and mineral resources are all present.
CS02-003		10.9km of the alignment lies within Bannachie SLA. Major adverse effects are predicted along a 6km section mainly due to loss of ancient woodland, earthworks of more than 15m and the introduction of a new structure across the River Don. Due to the SLA designation and the high quality of the landscape, the rating is Major adverse for the part of the alignment within the SLA. The overall assessment is Major adverse.		Route crosses extensive floodplain of an unnamed watercourse (ch.10500m) and is not perpendicular to flow (major adverse). This localised area of extensive floodplain could be avoided. Route crosses the extensive floodplain of the River Don (ch.9400m) and is perpendicular to flow (moderate adverse). Potential for active morphology at crossing of Tuach Burn at ch.16850m (moderate adverse).		Ecological receptors/constraints include two local designated sites (including Bannachie), several areas of woodland, badger habitat, and one water crossing.		The following properties lie within the alignment: Riverbank House (including farm buildings), near Kemnay. Bighead Farm Shop. Concrag Bothy, Boghead. Marshall's Farm Shop. No class 3.1 land or above, it is predominantly class 3.2 with pockets of Class 4.1 and 4.2.		There is noticeable potential decrease to level of the existing noise climate in Inverurie and Kintore resulting from the introduction of new roads and rerouting of existing traffic. However, changes to the noise climate may take place upon communities with a relative high population count, which are located close to the new roads.		The baseline alignment between Huntly and Inverurie is sparsely populated. The new alignment moves the road to a similarly sparsely populated area. All of the alignments are distant from inhabited areas with population seemingly <10pp/km.		The alignment passes in close proximity to a cluster of assets at the northern end of the route and may impact on the setting of Category A Listed Harthill Castle (LB16132), Maiden Castle fort (SM12012), and Category B Listed Pittodrie House (LB2853). This applies to all of the alignments. The alignment passes in close proximity to Castle of Halfforest (SM92) and is likely to cause an impact on its setting.		The route does not pass through any LDP allocations or settlements. It does pass within close proximity of a number of small scale committed developments.		Small area of peat, contaminated land (worked ground, infilled ground, tank), and mineral resources are all present.
CS02-004		11.5km of the alignment lies within Bannachie SLA. Major adverse effects occur along a 10km section mainly due to a substantial loss of ancient woodland, earthworks of more than 15m and the introduction of a new structure across the River Don. Given the SLA designation and the high quality of the landscape, the rating will be Major adverse for that part of the alignment within the SLA. The overall assessment is Major adverse.		Route crosses extensive floodplain of the Tuach Burn (ch.17650m) and is not perpendicular to flow (major adverse).		Ecological receptors/constraints include two local designated sites (including Bannachie), several areas of ancient woodland, badger habitat, and one water crossing.		The following properties lie within the alignment: Riverbank House, near Kemnay. House near to Hill of Cottown. Marshall's Farm Shop. Hawthorne Cottages (No 1 and 2). Heathland Park (Nos. 9-12 and 14) and Torness & Rohan, at Kintore. No class 3.1 land or above within the alignment, and it is mostly 3.2, 4.1 and 4.2 along the alignment with some 5.1 to the north.		There is noticeable potential decrease to level of the existing noise climate in Inverurie and Kintore resulting from the introduction of new roads and rerouting of existing traffic. However, changes to the noise climate may take place upon communities with a relative high population count, which are located close to the new roads.		The baseline alignment between Huntly and Inverurie is sparsely populated. The new alignment moves the road to a similarly sparsely populated area. All of the alignments are distant from inhabited areas with population seemingly <10pp/km.		The alignment passes in close proximity to a cluster of assets at the northern end of the route and may impact on the setting of Category A Listed Harthill Castle (LB16132), Maiden Castle fort (SM12012), and Category B Listed Pittodrie House (LB2853). This applies to all of the alignments. It is assumed that the alignment can be moved such that Newton of Braco ring cairn (SM12011) would not be directly affected. The setting of the cairn is likely to be impacted, due to the proximity of the alignment, depending how much and which areas of the forestry plantation are felled. Impacts on the settings of Woodend cairn (L2009) and Chapel o' Sink cairn (SM12178) are also likely due to their proximity to the alignment.		The route does not pass through any LDP allocations or settlements. It does pass within close proximity of a number of small scale committed developments.		Small area of peat, contaminated land (worked ground, infilled ground), and mineral resources are all present.