



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

- LEGEND**
- Significant Environmental Issues
 - Wildcat Priority Area
 - 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

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|----------|------------------|------------|------------|------------|------------|------------|
| 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 | dd/mm/yy |

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Project Name
A96 Dualling: East of Huntly to Aberdeen

Drawing Title
First Fix Environmental Appraisal of Alignment D+01

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

| | | | |
|--------------------------|---------|------------|--------|
| Drawing Number | Project | Originator | Volume |
| A96PEA - AMAR - EGN - CD | | | |
| Location | Type | Role | Number |
| | | | |

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

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| 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 |
|-----------|-----------------------------|---|-------|---|---------|---|----------------------|---|-------|--|-------------|--|-------------------|--|--------------------|---|------------------|---|
| D+01-001 | | The appraisal has identified 47% of the alignment as having Moderate adverse impacts. The moderate impacts occur in areas of medium sensitivity with earthworks of 5-15m, causing a loss of woodland and tree lines. Major adverse impacts are predicted for 39% of the alignment, due to long cuttings of up to 36m in depth and the introduction of a large structure. The long sections of large scale earthworks mean that the overall rating is Major adverse. | | No crossings of extensive floodplain. A number of watercourse crossings of floodplain <100m wide (minor adverse). | | Wildcat priority area, two local designated sites and eight water crossings. | | Residential receptor: Greystone property | | There is minor or negligible potential change to level of the existing noise climate, resulting from the introduction of new roads and/or rerouting of existing traffic. The small increase in noise around Fisherford is identified at communities with a relative low population count. | | The baseline alignment between Hurty and Inverurie is sparsely populated. The new alignment moves the road to a similarly sparsely populated area. Alignment is distant from inhabited areas with population seemingly <10pp/km. | | There is a potential for this alignment to cause an impact upon the setting of Mummies Reave cairn (Scheduled Monument - SM11629). | | Route entirely outwith settlement boundaries and LDP allocations and committed development. | | Area of peat (422m) which forms small proportion of overall alignment length. Small area of mineral resources also present. |
| D+01-001A | | The appraisal has identified 82% of the alignment as having Major adverse impacts. These are due to the large scale of the earthworks, with cuttings reaching depths of over 25m, the introduction of at least one large structure, and the loss of woodland. Moderate adverse impacts are assessed for 18% of the alignment. The overall rating of this alignment is Major adverse. | | No crossings of extensive floodplain. A number of watercourse crossings of floodplain <100m wide (minor adverse). | | Wildcat priority area and three water crossings. | | Residential receptor: Greystone property | | There is minor or negligible potential change to level of the existing noise climate, resulting from the introduction of new roads and/or rerouting of existing traffic. The small increase in noise around Fisherford is identified at communities with a relative low population count. | | The baseline alignment between Hurty and Inverurie is sparsely populated. The new alignment moves the road to a similarly sparsely populated area. Alignment is distant from inhabited areas with population seemingly <10pp/km. | | There is a potential for this alignment to cause an impact upon the setting of Stonefield Stone Circle (SM48). | | Route entirely outwith settlement boundaries and LDP allocations and committed development. | | No Adverse impacts. |
| D+01-002 | | The extension of large scale earthworks of >15m and the impacts on residential properties lead to an overall impact that will be Major adverse. | | No crossings of extensive floodplain. A number of watercourse crossings of floodplain <100m wide (minor adverse). | | One local designated site and five water crossings. | | Non-prime land located along the entire alignment. 3.2 or above. | | There is minor or negligible potential change to level of the existing noise climate, resulting from the introduction of new roads and/or rerouting of existing traffic. The small increase in noise around Fisherford is identified at communities with a relative low population count. | | The baseline alignment between Hurty and Inverurie is sparsely populated. The new alignment moves the road to a similarly sparsely populated area. Alignments 002 is within <200m from populated areas >10pp/km, hence Minor beneficial. | | There is a potential for this alignment to cause an impact upon the setting of Stonefield Stone Circle (SM48). | | Route entirely outwith settlement boundaries and LDP allocations and committed development. | | Area of peat (525m) which forms small proportion of overall alignment length. |
| D+01-003 | | The appraisal identifies 40% of the alignment as having Moderate adverse effects. These occur at the south end of the alignment, and are due to long sections of earthworks of over 5m and proximity of visual receptors, such as Fisherford. Major adverse effects are predicted for the 29% of the alignment due to long sections of large scale earthworks, with cuttings of over 40m and the introduction of a new large structure across Garlet Burn. The long sections of large scale earthworks give an overall assessment of Major adverse. | | No crossings of extensive floodplain. A number of watercourse crossings of floodplain <100m wide (minor adverse). | | Ecological constraints/receptors include five water crossings. | | Alignment passes through mainly non-prime agricultural land. Chainage 15+750 to 16+250 is class 3.1. | | There is minor or negligible potential change to level of the existing noise climate, resulting from the introduction of new roads and/or rerouting of existing traffic. The small increase in noise around Fisherford is identified at communities with a relative low population count. | | The baseline alignment between Hurty and Inverurie is sparsely populated. The new alignment moves the road to a similarly sparsely populated area. Alignments 003 is within <200m from populated areas >10pp/km, hence Minor beneficial. | | There is a potential for this alignment to cause an impact on the setting of Gerreswell long barrow and round cairn (SM4908). There is a potential for this alignment to cause an impact on Category B Listed Building Waddies Cottage LB43964. | | Route entirely outwith settlement boundaries and LDP allocations. The route does pass in close proximity to small scale committed developments and the settlement boundary of Fisherford. | | Small area of prime agricultural land. |
| D+01-003A | | The extension of large scale earthworks of >15m and the impacts on residential properties lead to an overall impact that will be Major adverse. | | No crossings of extensive floodplain. A number of watercourse crossings of floodplain <100m wide (minor adverse). | | Ecological constraints/receptors include three water crossings. | | Alignment passes through mainly non-prime agricultural land. Chainage 15+750 to 16+250 is class 3.1. | | There is minor or negligible potential change to level of the existing noise climate, resulting from the introduction of new roads and/or rerouting of existing traffic. The small increase in noise around Fisherford is identified at communities with a relative low population count. | | The baseline alignment between Hurty and Inverurie is sparsely populated. The new alignment moves the road to a similarly sparsely populated area. This alignment is distant from inhabited areas with population seemingly <10pp/km. | | There is a potential for this alignment to cause an impact upon the setting of Stonefield Stone Circle (SM48). There is a potential for this alignment to cause an impact on Category B Listed Building Waddies Cottage LB43964. There is a potential for this alignment to cause an impact on the setting of Black Cairn (SM12172). | | Route entirely outwith settlement boundaries and LDP allocations and committed development. | | No Adverse impacts. |
| D+01-004 | | Major adverse effects are expected due to the scale of earthworks, impacts on ridges in the west of the alignment and impacts on scenic quality. Moderate adverse effects are predicted where the alignment passes between Robb's Height and Newtongary wood where there will be a cutting of 5-15m. Moderate adverse effects are predicted where the alignment passes along the valley floor due to residents. Earthworks at Castle Heugh and crossing the Garlet Burn will result in major adverse effects. There is a long section of considerable earthworks between ch. 6+750 and 11+300 including a large embankment to the south of Ythanweils. Between Dry Burn and ch. 13+051 the effects are predicted to be low adverse as the alignment is predominantly at grade. The exception being moderate adverse effects to the north of Fisherford. | | No crossings of extensive floodplain. A number of watercourse crossings of floodplain <100m wide (minor adverse). | | Ecological constraints/receptors include four water crossings, and one small area ancient woodland. | | Residential receptors: Gen Vista property grounds. Duffton Julian/Broomfold of Drumdollo Farm. Mains of Drumdollo residential property with farm outbuildings. Residential property on 8922 located between Netherton and Netherton Cottages. Braeasterie farm and residential property. Residential property located just 200m from Braeasterie farm. Alignment passes through mainly non-prime agricultural land. Chainage 17+000 to 17+051 is class 3.1. | | There is minor or negligible potential change to level of the existing noise climate, resulting from the introduction of new roads and/or rerouting of existing traffic. Minor changes to the noise climate at Fisherford may take place, though this is a community with a medium population count. | | The baseline alignment between Hurty and Inverurie is sparsely populated. The new alignment moves the road to a similarly sparsely populated area. This alignment is distant from inhabited areas with population seemingly <10pp/km. | | There is a potential for this alignment to cause an impact on the setting of Gerreswell long barrow and round cairn (SM4908). There is a potential for this alignment to cause an impact on the setting of Black Cairn (SM12172). | | Route entirely outwith settlement boundaries and LDP allocations and committed development. | | Small area of prime agricultural land. Small areas of mineral resources. |