



**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
  - 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

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Project Name  
**A96 Dualling: East of Huntly to Aberdeen**

Drawing Title  
**First Fix Environmental Appraisal of Alignment OLS**

Project Ref. No	Stage	Scale	@A1
250002-92	Stage 2	1:20,000	
		Dimensions	

Drawing Number	Project	Originator	Volume
A96PEA - AMAR - EGN - CB			
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
OLS-001		The proposed alignment is predominantly online. It is likely that junction improvements can be accommodated within minimal impacts to existing landscape and visual receptors.		The existing A96 crosses extensive floodplain of the Bridgalehouse Burn (ch.10200m), an unnamed watercourse (ch.12300m) and Black Burn (ch.17150m) (moderate adverse).		Impacts on ancient woodland adjacent to the current A96 and additional impacts of works required over minor watercourse.		Receptors include: Cemetery north of Kintore Commercial units at Kintore Lodging at Kintore "The Firs" Marshalls Farm Shop, Kintore Concession Dairy Farm, Kinellar Commercial unit south of Blackburn Partial impact on areas: Inverurie Mill green space, small section at northern tip of alignment. Along Kintore two areas are Kintore West and Kintore. Area east of Blackburn is green belt within Aberdeen City Council. There are 17 instances of private property within the alignment. Some are scattered properties others are small clusters Two very small sections of prime land located at either end of Blackburn.		Potential very noticeable increase to level of current noise climate as a result of introduction of new roads. This potential increase is identified upon communities with a relative high population count, such as Blackburn and Kintore.		All alignments a broadly in line with the existing alignment and are <200m from a densely populated area (>20pp/km <sup>2</sup> ).		The alignment would likely have a direct impact upon Deer's Den roundhouses (Scheduled Monument SM12465). There is limited space available for adjusting the alignment in this area during detailed design, and so it is assumed that a direct impact is likely. There are no other likely substantial impacts on cultural heritage assets as a result of the use of this alignment, which follows the existing A96 road.		This wholly online route passes through LDP allocated Greenbelt and adjacent to the settlements of Blackburn and Kintore through both settlements for a small section. The route is immediately adjacent to, or in close proximity to a number of LDP land allocations including, Local Nature Conservation Site, and Opportunity Sites for residential, mixed use and business development, and Protected Areas of green/amenity space. In terms of committed development there are a number of development which have been granted planning permission or are currently under consideration, which are in close proximity or immediately adjacent to the route.		Small areas of prime agricultural land. Contaminated Land (landfill, infilled ground, artificial ground, worked ground, cemetery, others). Mineral resources over large areas of alignment.
OLS-002		The appraisal has identified 25% of the alignment as having Moderate adverse impacts with the majority of the alignment resulting in Minor adverse impacts. The overall rating of Moderate reflects the importance of the potential impacts on the Clovenstone area and the loss of woodland and the cumulative effects of road infrastructure in this area.		Route crosses the extensive floodplain of the Tuach Burn (ch.5250m) and is approximately perpendicular to flow (moderate adverse). Potential for active morphological at this location (moderate adverse).		Several minor watercourse crossings (likely some are field drains). Fragmentation of woodland mosaic, including areas of ancient woodland.		A couple of small cluster of properties west of Kintore and scattered properties at south end of alignment.		There is noticeable potential decrease to level of the existing noise climate in 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.		All alignments a broadly in line with the existing alignment and are <200m from a densely populated area (>20pp/km <sup>2</sup> ). Alignment 002 impacts on slightly less receptors than 001, 003, 006 and 007.		The alignment would pass in close proximity to Castle of Hallowes (SM92) and may have a significant impact on its setting. The alignment may affect the setting of Deer's Den roundhouses (SM12465), leading to it being situated within an 'island' of land between two major roads.		This route does not pass through any LDP allocations, settlements or committed developments. It does pass in close proximity to a number of small scale committed development.		Contaminated Land (landfill, infilled ground, worked ground, railway). Mineral resources.
OLS-003		The appraisal has identified 30% of the alignment as having Moderate adverse impacts with the majority of the alignment resulting in Minor adverse impacts. The overall rating of Moderate reflects the importance of the potential impacts on the Clovenstone area and the loss of woodland and the cumulative effects of road infrastructure in this area.		No crossings of extensive floodplain. A number of watercourse crossings of floodplain <10m wide (minor adverse).		Several minor watercourse crossings and skimming of ancient woodland.		Small cluster of properties at north end of alignment and west of Kintore.		There is noticeable potential decrease to level of the existing noise climate in 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.		All alignments a broadly in line with the existing alignment and are <200m from a densely populated area (>20pp/km <sup>2</sup> ).		The alignment may affect the setting of Castle of Hallowes (SM92). The alignment may affect the setting of Deer's Den roundhouses (SM12465), leading to it being situated within an 'island' of land between two major roads.		This route does not pass through any LDP allocations, settlements or committed developments. It does pass in close proximity to a number of small scale committed development and an area of protected green space.		Contaminated Land (landfill, infilled ground). Mineral resources.
OLS-004		The appraisal has identified 30% of the alignment as having Major adverse impacts with 10% having a Moderate adverse impact. The overall rating of Major reflects the scale of the earthworks and the fact that woodland within a recreational area would be lost. While there would be loss of woodland and a cutting of 5-15m at Muir of Kinellar this would occur over a short section of the alignment.		Route crosses the extensive floodplain of the Black Burn (ch.3400m) and is perpendicular to flow (moderate adverse).		Loss of some ancient woodland currently adjacent to the A96. A couple of minor watercourse crossings.		Alignment east of the Blackburn is within Aberdeen city council green belt area. Area of scattered private property at south end of alignment. Two small areas of prime land at north end of Blackburn and south of Blackburn.		Potential noticeable decrease to level of current noise climate at Blackburn, 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.		All alignments a broadly in line with the existing alignment and are <200m from a densely populated area (>20pp/km <sup>2</sup> ). Alignment 004 impacts on slightly less receptors than 001, 003, 006 and 007.		The alignment may affect the setting of Category B Listed Kinellar House (LB9118), as it cuts through the remnants of the non-inventory GCR within which it is located. A site visit is required to gain a more complete understanding of the setting of Kinellar House.		This largely offline route passes through Aberdeen City Council Green Belt, green Network and a local nature conservation site. In terms of committed development it passes through and in close proximity to smaller sites with consented development sites.		Small areas of prime agricultural land. Contaminated Land (small area of artificial ground). Small areas of mineral resources.
OLS-005		The appraisal indicates 35% of the alignment as having Major adverse impacts.		Route crosses the extensive floodplain of the Black Burn (ch.800m) and is perpendicular to flow (moderate adverse).		Loss of some ancient woodland currently adjacent to the A96. A couple of minor watercourse crossings.		Alignment east of the Blackburn is within Aberdeen City Council green belt area. A couple of private properties are located at Little Cisterly. Two small areas of prime land at north end of Blackburn and south of Blackburn.		Potential noticeable decrease to level of current noise climate at Blackburn, resulting from rerouting traffic via new roads. The increase to noise from the new roads, potentially impacts only communities with a relative low population count.		All alignments a broadly in line with the existing alignment and are <200m from a densely populated area (>20pp/km <sup>2</sup> ). Alignment 005 impacts on slightly less receptors than 001, 003, 006 and 007.		No potential for significant impacts resulting from the use of this alignment has been identified.		This largely offline route passes through Aberdeen City Council Green Belt, green Network and a local nature conservation site. No committed development constraints.		Small areas of prime agricultural land. Contaminated Land (land tank in one location). Small areas of mineral resources.
OLS-006		Approximately 50% of the alignment runs on embankment with a maximum height >15m.		No crossings of extensive floodplain. Route crosses two minor burns / drains (minor adverse).		Loss of some ancient woodland currently adjacent to the A96.		All the alignment is within Aberdeen City Council green belt area. Private properties are located at roadside cottages and Bishopton Farm. Small area of prime agricultural land at north end of alignment.		There is minor or negligible potential change to level of the existing noise climate at the most affected community of Blackburn, resulting from the introduction of new roads and rerouting of existing traffic.		All alignments a broadly in line with the existing alignment and are <200m from a densely populated area (>20pp/km <sup>2</sup> ).		No potential for significant impacts resulting from the use of this alignment has been identified.		This route passes through Aberdeen City Council Green Belt, green Network and a local nature conservation site. It also passes through a small scale consented development at Bishopton Farm.		Small area of prime agricultural land. Contaminated Land (worked ground, tank). Small areas of mineral resources.
OLS-007		The appraisal indicates that the majority of the alignment is Moderate due to the scale of earthworks and loss of woodland.		No watercourse crossings.		Loss of and fragmentation to a sensitive area which currently forms a habitat corridor across the A96, linking into ancient woodland mosaic.		All the alignment is within Aberdeen City Council green belt area. Private property located north of Bishopton Farm. Very small area of prime agricultural land at north end of alignment.		Potential minor decrease to level of current noise climate at Blackburn resulting from rerouting traffic via new roads. The increase to noise from the new roads, potentially impacts communities with a relative low population count. There is one Local Development Plan (LDP) allocation identified in the area which is potentially affected by the proposed alignment: Blackburn DP1 - Caskieben Allocation: 50 homes.		All alignments a broadly in line with the existing alignment and are <200m from a densely populated area (>20pp/km <sup>2</sup> ).		No potential for significant impacts resulting from the use of this alignment has been identified.		This route passes through Aberdeen City Council Green Belt and Green Network. No committed development constraints.		Small area of prime agricultural land. Contaminated Land (landfill, worked ground, artificial ground).