

A1 Birtley to Coal House

Scheme Number: TR010031

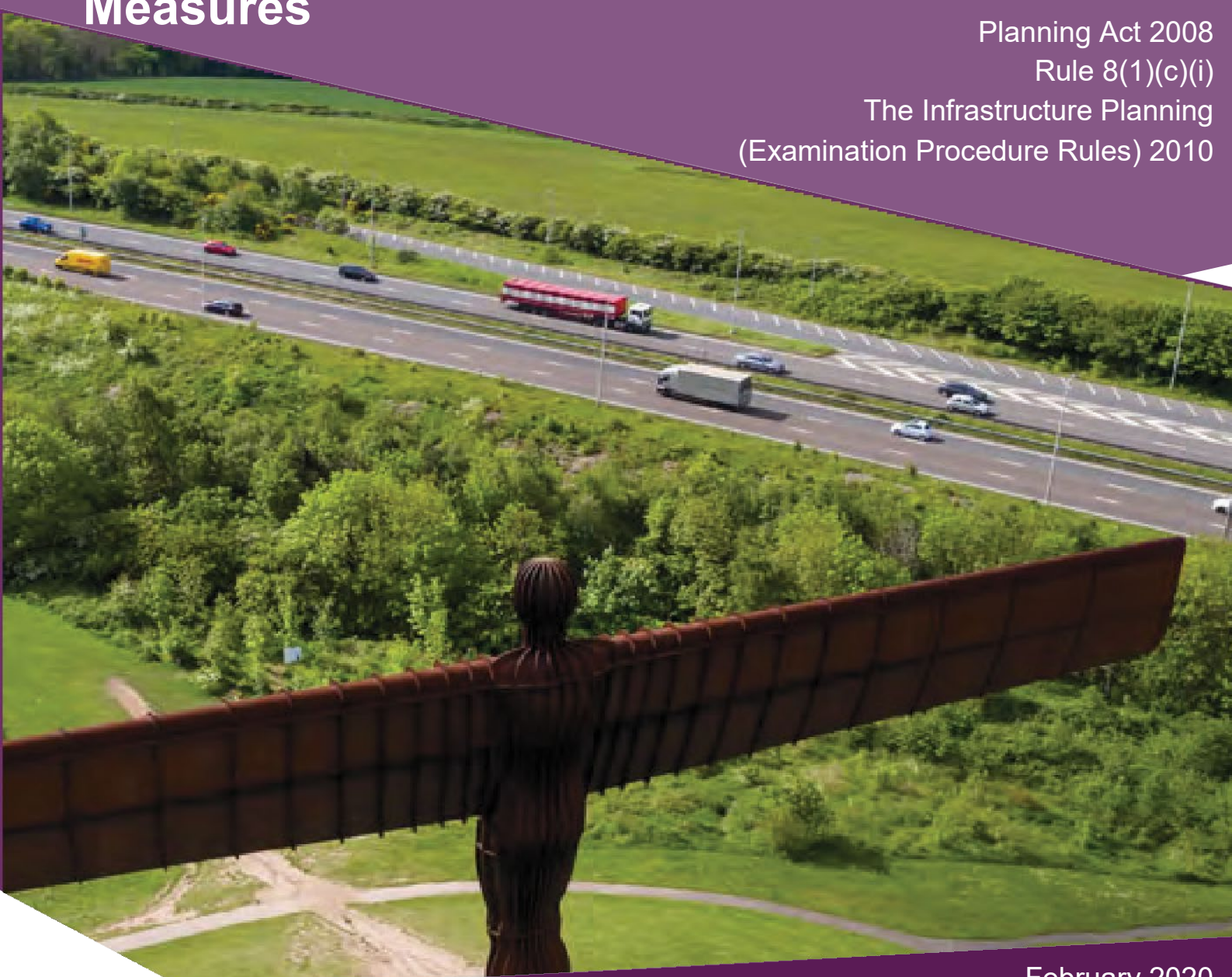
Applicant's Responses to ExA's First Written Questions – Appendix 1.0.H - Climate Mitigation Measures

Planning Act 2008

Rule 8(1)(c)(i)

The Infrastructure Planning

(Examination Procedure Rules) 2010



Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning
(Examination Procedure Rules) 2010**

**The A1 Birtley to Coal House
Development Consent Order 20[xx]**

**APPLICATION'S RESPONSES TO EXA'S FIRST
WRITTEN QUESTIONS – APPENDIX**

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| Rule Number: | Rule 8(1)(c)(i) |
| Planning Inspectorate Scheme Reference | TR010031 |
| Application Document Reference | n/a |
| Author: | A1 Birtley to Coal House Project Team, Highways England |

| Version | Date | Status of Version |
|----------------|------------------|--------------------------|
| Rev 0 | 25 February 2020 | For Issue |

Table 1.0.H - Climate Mitigation Measures

| Mitigation Measure | How the Measures would be Secured and Implemented through the dDCO |
|--|---|
| a. As far as possible, material resource efficiency and waste minimisation good practice would be incorporated into detailed design. | To be secured through the CEMP - Refer to the Outline CEMP [APP-174], ref C2 |
| b. Material resources would, as far as possible, be designed and specified to minimise the amount of embedded carbon to minimise environmental impact. | To be secured through the CEMP - Refer to the Outline CEMP[APP-174], ref C2 |
| c. Measures associated with the minimisation of waste and maximising re-use of materials on site would be incorporated into the Construction Environmental Management Plan (CEMP), Site Waste Management Plan (SWMP) and Materials Management Plan (MMP) for the Scheme. | To be secured through the CEMP - Refer to the Outline CEMP[APP-174], ref M2, M6 |
| d. Re-use of material resources from Scheme demolition activities in the construction of the new road. | To be secured through the CEMP - Refer to the Outline CEMP[APP-174], ref M2, M4, M5 |
| e. Maximise off site construction to minimise waste. | To be secured through the CEMP - Refer to the Outline CEMP[APP-174], ref M1, M3 |
| f. Deconstruct North Dene Footbridge so that it can be re-used elsewhere on the highway network (the feasibility of which will be explored and confirmed as the design progresses). | To be secured through the CEMP - Refer to the Outline CEMP[APP-174], ref M4 |
| g. Reduce the GHG emissions intensity of raw materials by specifying best-in-class products with reference to information published in Environmental Product Declarations (EPDs). | To be secured through the CEMP - Refer to the Outline CEMP[APP-174], ref C2 |
| h. Adoption of vehicles with best-in-class efficiency for construction, delivery, maintenance and de-construction. | To be secured through the CEMP - Refer to the Outline CEMP[APP-174], ref C2 |
| i. Adoption of efficient logistics management for transport of construction materials and excavated material. | Example measures that the contractor should implement: |

| Mitigation Measure | How the Measures would be Secured and Implemented through the dDCO |
|--|---|
| | <ul style="list-style-type: none"> - Limit amount of materials that needs to be moved (so minimise construct materials, and have the best cut fill balance possible) - Schedule deliveries to maximise the volume being transported per trip and consider the use of logistics hubs on big projects to achieve this. - Use 3d GPS to plan most efficient routes to and from site - Train drivers on and implement a no idling and efficient driving policy - Use efficient vehicles. |
| j. Adoption of plant and processes with best-in-class efficiency for construction, maintenance and refurbishment activities. | To be secured through the CEMP - Refer to the Outline CEMP[APP-174], ref A2 |
| k. Specification of best-in-class energy efficient systems for operations e.g. lighting and signage. | To be secured through the CEMP - Refer to the Outline CEMP[APP-174], ref C2 |