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| Claire Tomalin  Principal Planning Officer  Planning Services  Essex County Council  County Hall  Chelmsford  Essex  CM1 1QH |  | Our Ref:  B355361A  Date:  12 Jan 2022 |

Dear Ms Tomalin,

**Planning application for a new single carriageway road between Roundabout 4 of the Beaulieu Park Radial Distributor Road (RDR1) and a new roundabout on the A131 at Chatham Green plus dualling of the existing A131 between Chatham Green and Deres Bridge roundabout**

On behalf of Essex Highways, please find enclosed additional documents in support of the submitted planning application for the above development proposal.

The technical notes provided have been prepared in response to planning queries in relation to the noise, biodiversity, cultural heritage, lighting, landscape and drainage impact assessments undertaken for the proposed Chelmsford North East Bypass, (Planning Ref. CC/CHL/85/21).  The approach for addressing these queries has been agreed with yourself and the relevant statutory consultees.  Only those queries requiring clarification have been addressed in the submitted technical notes.

The main design elements of the Proposed Scheme remains the same and Appendix A provides the list of technical notes, new drawings and revised drawings, which aims to provide clarification and additional information to aid in the decision making of the proposed scheme. It is important that these documents are read alongside the documents associated with the submitted planning application.

The Preliminary Lighting Impact Assessment has been revised and updated and includes the submission of Lighting Layout Plans to support the Impact Assessment. The Lighting Layout Plans have been designed to accord with the Essex Street Lighting Design Guide. The Preliminary Lighting Impact Assessment and Lighting Layout Plans provide detail of the number of lighting columns proposed, their height and their location at each junction/roundabout indicated in the General Arrangement drawings. The Preliminary Lighting Impact Assessment also discusses light spill and lux levels and provides an assessment to whether there is harm to nearby sensitive receptors and nearby residential properties. In summary, the design of the lighting for both construction and operation would include warm LED lighting, back light shields, cowls and louvres and dimming protocols. These design measures would reduce any harmful impact to ecology/sensitive receptors and to nearby residential properties.

Further detail has also been submitted to the Environment Agency (EA) in relation to the Strawbrook Hydraulic Modelling Assessment which was requested by the EA during the first statutory consultation period. Given the size of the document relating to this assessment, this has been provided separately to the EA for comment and will not be provided as part of this additional submission pack.

I trust the information submitted is sufficient, however, should you have any queries, please do not hesitate to contact me.

Yours sincerely

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**Richard McBride MRTPI**

**Senior Planner**

**Jacobs UK Ltd**

**On behalf of:**

**Essex Highways**

Telephone: 0345 603 7631

[www.essex.gov.uk/highways](http://www.essex.gov.uk/highways)

[www.essex.gov.uk/enquiries](http://www.essex.gov.uk/enquiries)

**Appendix A – Schedule of Documents and Drawings**

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| **Title** |  |
| **Documents** | **Reference** |
| Biodiversity Technical Note – Review of Priority Farmland Bird Species | CNEB-JAC-EBD-P1\_000-RP-LE-0022 Rev P00 |
| Biodiversity Technical Note – General Planning Queries and Responses | CNEB-JAC-EBD-P1\_000-RP-LE-0023 Rev P00 |
| Biodiversity Technical Note – Badger Queries and Responses **CONFIDENTIAL** | CNEB-JAC-EBD-P1\_000-RP-LE-0025 Rev P00 |
| Biodiversity Metric 2.0 Calculation | Biodiversity Metric 2.0 Calculation.xlsm |
| ES Volume 4: Appendix 8.3 Technical Summary Report Rev 1 | CNEB-JAC-EBD-P1\_000-RP-LE-0010  Rev P01 |
| Noise Technical Note | CNEB-JAC-ENV-P1\_000-RP-LE-0002 Rev P00 |
| Landscape and Visual Technical Note for Chatham Green | CNEB-JAC-ELS-P1\_000-RP-L-0005 Rev P00 |
| Indicative Landscape and Environmental Design Sheet 3 | Figure 2.4 (v. 1) Sheet 3 of 4 |
| Indicative Landscape and Environmental Design Cross-Section FF Year 1 and 15 | Figure 2.6 |
| Lighting Layout Plan Phase 1 Sheet 1 of 4 | CNEB-JAC-HLG-P1\_000-DR-EO-0001 Rev P00 |
| Lighting Layout Plan Phase 1 Sheet 2 of 4 | CNEB-JAC-HLG-P1\_000-DR-EO-0002 Rev P00 |
| Lighting Layout Plan Phase 1 Sheet 3 of 4 | CNEB-JAC-HLG-P1\_000-DR-EO-0003 Rev P00 |
| Lighting Layout Plan Phase 1 Sheet 4 of 4 | CNEB-JAC-HLG-P1\_000-DR-EO-0004 Rev P00 |
| Lighting Layout Plan Notes and Keys | CNEB-JAC-HLG-XXX-DR-EO-0001 |
| Preliminary Lighting Impact Assessment | CNEB-JAC-HLG-P1\_000-RP-EO-0001 Rev P01 |
| Drainage Technical Note | CNEB-JAC-HDG-P1\_000-RP-D-0002 |
| Drainage: Phase 1 Contours Model | CNEB-JAC-HGN-P1\_000-MR-Z-0008 |
| Cultural Heritage Technical Note | CNEB-JAC-EHR-P1\_000-RP-LE-0012 Rev P00 |
| Public Rights of Way Phase 1 Sheet 2 of 2 | CNEB-JAC-LSI-P1\_000-DR-Z-0011 P01 |