



DCO Submission

Environmental Statement

Chapter 8: Lighting

Appendix 8.6: Lighting Consultation Responses

Document 6.8F

On behalf of

Oxfordshire Railfreight Limited

Prepared by DFL-UK Ltd
February 2026



· LIGHTING DESIGN · ELECTRICAL · SMART CITIES ·
ENERGY REDUCTION · LIGHTING IMPACT

CHAPTER 8 APPENDIX 8.6

LIGHTING CONSULTATION RESPONSES

DFL-UK

17 City Business Centre, Hyde Street, Winchester, SO23 7TA



PROJECT NUMBER: 1760		DOCUMENT REF: 1760-DFL-ELG-XX-RP-EO-13005			
P01	First Draft	DS	AS	AS	20/02/2026
Revision	Purpose Description	Originated	Checked	Approved	Date

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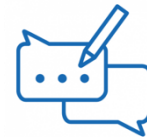
Quality



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Clear Advice

From: [REDACTED]@Cherwell-DC.gov.uk>
Sent: 18 March 2025 11:04
To: Daniel Spreadborough
Subject: RE: Oxford SRFI - Lighting Assessment and Methodology

Follow Up Flag: Follow up
Flag Status: Completed

Categories: 1760 - Oxford SRFI

Hi [REDACTED]

Confirmation that the proposals outlined in your email for the lighting assessment are acceptable.

Regards

[REDACTED]
Environmental Protection & Enforcement Manager
Regulatory Services and Community Safety
Cherwell District Council

[REDACTED]
[REDACTED]
Visit us online www.cherwell.gov.uk

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From: [REDACTED]@dfi-uk.com>
Sent: 10 March 2025 15:36
To: [REDACTED]@Cherwell-DC.gov.uk>
Subject: Oxford SRFI - Lighting Assessment and Methodology

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Helo [REDACTED]

I hope you are well?

I am leading the lighting works for the Oxford SRFI project, and wanted to touch based with you about the project. Would you be able to provide your opinion on the below?

Here is an overview of our approach:

Scope

The scope of the Lighting assessment will include the external lighting for the follow project areas:

- Main Site external lighting (including the rail terminal)
- Highways lighting (where this is proposed)

Methodology

Environmental Zone Assessment

Our Environmental Zone assessment is based on the lighting baseline work we have done and a desktop assessment. We have concluded that the Application Site has an environmental zone of E2:

Zone	Surrounding	Examples	Limitations		Sky Glow ULR (Max)
			Pre-curfew	Post-curfew	
E2	Rural	Sparsely inhabited rural areas, Village or relatively dark outer suburban locations	5	1	2.5%

Could you confirm that an E2 environmental zone is acceptable to yourself?

Receptor Identification

We have been liaising with both Ecology and LVIA on receptor identification, however this is being kept to those receptors that are close enough to any proposed lighting that they could experience direct effects of lighting.

Our receptors are split into three categories, and I have provided some examples:

1. Human Amenity
2. Human Safety
3. Ecology

The effects on sky quality (sky glow) are going to be discussed in the future baseline assessment which will deal with any potential Environmental Zone changes.

Lighting Affects Assessment

We are using DMBR and ILP guidance to inform our assessment and will be following the standard EIA workflow for this.

Our assessment will focus on the direct effects of lighting (light spill, glare and lighting intrusion) and will use indicative lighting models to assess these effects where possible. There are some locations where it is not feasible to model the lighting, and in these instances we will assess effects based on the proposed light levels, distance from receptors, and the effect the mitigation being proposed will have.

Previous Lighting Baseline Survey

We conducted a Lighting Survey of the Site and the surrounding area in 2021. We have recently reviewed the area within and surrounding the Site using OS Mapping (dated 2023) and satellite

photography (dated 2024), which shows that there have not been any changes to the land within the Application Site or changes to the surrounding area that were not already picked up in our previous baseline assessment.

We have noted that some development that was in progress during the 2021 survey is now completed, but this was included in the original baseline assessment.

Our conclusions from the 2021 survey is that:

1. The Application Site and wider order limits consists of a broadly dark environment, with specific areas of lighting being present for agricultural, highways, and small-scale commercial use
2. The Application Site and the surrounding area is broadly an E2 environmental zone, with the larger settlements being E3

Based on our recent work, which I would be happy to share with you in draft, we have found that these conclusions remain current, and we intend to use them to inform our assessment. Would this be acceptable?

Kind regards,

Daniel Spreadborough BA (hons), MSc
Senior Lighting Engineer

Tel: [+44 1962 398036](tel:+441962398036)
Mail: daniel.spreadborough@df-uk.com



Designs for Lighting Ltd, 17/18 City Business Centre, Hyde Street, Winchester, Hampshire, SO23 7TA Tel: +44 1962 855080.



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