

**BOTWELL BRIDGE STATION ROAD, HAYES Planning Ref**  
**74251/APP/2018/3686**

**Street Lighting planning condition 7 clarifications**

The lighting proposal for the Botwell Bridge boardwalk and underside will include the installation of two 5m steel road lighting columns as shown on drawing no. **0125-aQ-1300-001**. These columns will be the raise and lowering type that will facilitate ease of maintenance on the narrow towpath.

Soffit lighting under the bridge was considered by the street lighting designer, however a design could not be found that would satisfy the Council's health & safety, CDM and maintenance standards and that would not be prone to vandalism.

We propose to install the Philips Lumi/Unistreet lamp which uses an optimised light spectrum which is bat friendly. Further details for this product can be found in the document titled **2018-07 Light Recipes for nature -Final**. We proposed the lights to be warm white, however as these lights do not serve the public highway, we can be flexible with the final lighting colour (i.e. red, blue or warm white).

The proposed lighting levels are shown in drawing reference **0125aq\_c** and drawing titled **Botwell Bridge Boardwalk- Elevation Calculation**. In order to achieve the minimum lighting level under the bridge that is compliant with current standards (1 Lux), the isolux levels in the area closest to the columns will exceed 5 Lux. To reduce light spill into the canal we therefore propose to install front shields to the light fittings (images shown below).

**Proposed lighting column:**

- 5m SCC specification steel road lighting column with planted base and post top bracket arrangement.
- Raise and lowering type.
- Column to be powder coated black with lantern shield (lantern as shown on images below)



Proposed luminare:

- Philips Lumi/Unistreet

Provide optimized  
ecosystems for bats



DigiStreet



Lumi/UniStreet

| Optics | DN10 | DM11 | DW10 | DX51 |
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