

BOTWELL BRIDGE, GRAND UNION CANAL

OPTIONS FOR LIGHTING REPORT

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Background Information

A site visit was carried out with the council in October 2018. During the survey we looked at the requirements for lighting on a proposed new bridge deck running parallel with the existing Botwell Bridge. We also looked at the need for lighting on Grand Union Canal tow path and access steps adjacent to the bridge.

Scheme Development

After several discussions and iterations, in March 2019 we provided two outline design options for lighting these were:

Option 1) wall / soffit mounted lighting attached to the existing and new bridge sections; and

Option 2) Lighting mounted on lighting columns at each bridge portal entry/egress.

Preferred Option

After due consultation the Council preferred solution was identified as being option 2 – the benefits being:

- 1) It would not require any intrusive fixings on the existing or new bridge section and it could be installed after completion of the new bridge.
- 2) The risk of vandalism was mitigated. The main concern being the low headroom on the existing bridge tow path.
- 3) the initial cost for installation and future planned and reactive maintenance was lower.

Additionally, the Council requested that we provide a solution that protected the bat population – ie, an orange / red light solution that does not attract as many insects and is therefore considered to be bat friendly.

Our proposal was therefore based on an orange / red light solution.