

Part 8 Street Lighting

8.0 Introduction

This section provides advice for developers and designers as to Warwickshire County Council's requirements for street lighting.

If in any doubt about the following please contact WCC's Street Lighting team directly as it is better to resolve issues at the design stage than at time of adoption.

8.1 Design Standards

In order to ensure use of the correct standards and specifications, the developer must liaise with WCC's Street Lighting team at an early design stage. This will be co-ordinated by the WCC Highway Development Management Team as described in Part 1.

Standards contained within BS:5489 'Code of practice for the design of road lighting' must be adhered to for lighting to be adopted by WCC as Road Lighting. It should be noted that owing to continuing technological advances, the requirements of WCC are subject to change. An acceptable equipment specification for street lighting will be supplied by WCC's Street Lighting team to developers upon request.

'Road Lighting' will need to satisfy the relevant standard for lighting levels. Care needs to be taken that dark corners or alleyways do not result from the inappropriate positioning of lighting columns.

It should be noted that whilst WCC are responsible for most of the lighting on the Highway, that some District, Parish, and Town Councils can be Lighting Authorities in their own right. The Developer can be advised of this when contacting WCC's Street Lighting team at an early stage. In these cases, the requirements of the DC/PC/TC will need to be sought as to the specification and positioning of lighting equipment which may, as determined by the Lighting Authority, be classed as 'Footway Lighting' and no requirement to meet the lighting levels outlined in BS:5489.

Conservation area status does not establish a prerequisite for period-style lighting. Good functional modern designs can often be more appropriate and suitable. In a conservation area, the style of lighting must be agreed with Warwickshire County Council's Street Lighting department.

8.2 Detailed Design

In order to reduce the risk of columns being hit by vehicles and provide sufficient room for footway users, lighting columns should be located at the rear of the

Footway. However, if there is a grass verge of at least 2M width adjacent to the carriageway then this may be considered if it is more appropriate to install the column at the rear of the verge at this location. If the developer is in any doubt, then they should contact WCC's Street Lighting team to agree the position.

Footpaths and cycleways that are to be adopted must be lit to the appropriate standard with columns positioned so that they do not present a risk to passing cyclists colliding with them.

All lighting units should be positioned so that they can be readily maintained, and where maintenance vehicles will not cause an unreasonable obstruction to road users. Developers must be aware that any design that gives rise to maintenance difficulties may incur a requirement for commuted sums.

If trees are to be planted, careful consideration is necessary as to the species and planting location of the trees so that they do not cast shadows or prevent maintenance to the street light when fully grown. Refer to Part 6 of this Design Guide. The Developer should be aware that if a tree is found to have been planted in a position that will hinder/prevent future maintenance of a street light, or likely to cause shadows on the Highway in future, then this will be required to be rectified by the Developer prior to adoption and possibly require removal of the tree.

Lighting for new developments will not be considered in isolation to existing lighting systems. Additional lighting may therefore be required to be provided by the developer to extend or improve an existing system in order to satisfy WCC's current requirements.

All street lighting on the highway must be adopted by the relevant Lighting Authority – i.e. the County Council or, in some cases, the District, Town, or Parish Council.

8.3 Equipment Specification

It is required that lighting columns on footpaths/cycleways away from the Highway and in locations where access via a vehicle mounted hoist is not possible shall be hinged raise and lower columns. WCC's street lighting team will be able to provide developers with an acceptable column specification. The developer must ensure that there are no obstructions (such as trees, fences, walls and the like) installed that prevent the column from being lowered.

Lighting equipment that is to be adopted by WCC will be as per the specification provided by WCC, and must contain the necessary equipment to enable the light to be operated, upon adoption, by WCC via the Telensa PLANet central management system including the ability to increase and reduce light output. It is the responsibility of the Developer to provide WCC with the telecell barcode number for all lights that are to be adopted. Lighting equipment that is to be

adopted by a DC/TC/PC will be as per their specification and fitted with a photocell.

For each piece of street furniture and 'private cable' (if applicable) containing an electricity supply, the Developer is required to provide WCC with current 'passed' Electrical Test certificates for each item of equipment and private cable.

8.4 Procedures and Agreements

8.3.1. The developer should prepare the lighting scheme or, alternatively, upon request a lighting scheme may be supplied by WCC's Street Lighting team (plans are to be supplied by the developer of the roads and footpaths etc. to be adopted) for which a charge will be made.

Lighting schemes prepared by the developer will require technical approval by WCC's Street Lighting team for which a charge will be made.

Where alternative or special lanterns and columns are required by the developer and are acceptable to WCC's Street Lighting team, a commuted sum will be required to cover additional maintenance/ replacement costs.

The developer will be responsible for providing and installing all lighting equipment as per WCC's specification, and for arranging the electricity supply, underground cables and service connections. Each unit must have an unmetered electricity supply and a metered electricity supply will not be accepted. Should the Developer wish to amend the proposals after Technical Approval the developer must obtain written agreement from WCC Street Lighting beforehand.

The developer will be responsible for all the maintenance costs (including electricity costs) from the date new lighting is commissioned until the date of adoption of the highway.

The developer will be responsible for dealing with all street lighting 'emergencies' such as lighting columns that have been damaged, exposed wiring, equipment vandalised and the like that may occur in or out of office hours.

Any equipment which is not in working order or is not installed in accordance with the required specification will not be accepted.

Where new private road or significant private access junctions are created, adjustments or additions to the lighting along the existing highway may be a requirement, and a Minor Works Agreement may need to be entered into to secure this.

Where additional lighting is required to be provided by the developer to extend an existing system, or where an existing system does not comply with the current standards and requires upgrading then this will be undertaken as part of the S278 of the Highways Act 1980. This requirement will be identified as part of

the pre-application advice. For further guidance on S278 Agreements see Part 10.

Where property is being sold 'off plan' or prior to the installation of street lights, it is the responsibility of the Developer to make potential property buyers aware of the position of street lights that are to be installed.

8.5 ADOPTION TIMESCALE

Delays in the adoption of street lighting equipment will require increasing levels of attention from the Developer for the equipment to be adopted. Below are minimum requirements and other actions may be necessary by the Developer following inspection by WCC.

Apparatus installed up to 5 years:

- Will be accepted if installed as specified, in good condition and working order.
- Steel non-Plascoat lighting columns and signposts will need repainting if identified on WCC's inspection. Any damaged Plascoat on columns or signposts must be either satisfactorily repaired by the developer or, if not possible, the column replaced completely.
- All units are to have the lantern cleaned, base compartment cleared of detritus, and grease applied to the door lock mechanism.
- If the light source is via a non-LED lamp, then a new lamp must be fitted.
- Current 'passed' electrical test certificates and, where applicable, telecell barcode numbers are required from the developer.

Apparatus installed over 5 years and up to 10 years:

- Will be accepted if installed as specified, in good condition and working order.
- Steel non-Plascoat lighting columns and signposts will need repainting. Any damaged Plascoat on columns or signposts must be either satisfactorily repaired by the developer or, if not possible, the column replaced completely.
- All units are to have the lantern cleaned, base compartment cleared of detritus, and grease applied to the door lock mechanism.
- If the light source is via a lamp, then then the lantern must be replaced with a LED lantern as specified by WCC's Street Lighting team.
- Current 'passed' electrical test certificates and, where applicable, telecell barcode numbers are required from the developer.

Apparatus installed over 10 years and up to 15 years:

- Before columns will be accepted, they must be in good condition and have been structurally tested by a competent street lighting structural testing Company agreed with WCC, with a minimum 5 year structural test certificate supplied to WCC.

- Steel non-Plascoat lighting columns and signposts will need repainting. Any damaged Plascoat on columns or signposts must be either satisfactorily repaired by the developer or, if not possible, the column replaced completely.
- All units are to have the lantern cleaned, base compartment cleared of detritus, and grease applied to the door lock mechanism.
- The lantern will require replacing along with a new telecell and rewire and replacement of Double Pole Isolator as specified by WCC's Street Lighting team.
- Current 'passed' electrical test certificates and, where applicable, telecell barcode numbers are required from the developer.

Apparatus installed over 15 years:

- Replacement of complete installation to current WCC specification.
- A new lighting design may need to be undertaken to comply with current lighting standards.
- Current 'passed' electrical test certificates and, where applicable, telecell barcode numbers are required from the developer.