

Birmingham Highways Maintenance & Management (BHMM) PFI Developers Guidance Note (DG03)

City & District Centres

This guidance note shall be read in conjunction with the Birmingham City Council Development Standard Specification for Street Lighting Works latest revision and any specific brief provided by the Authority or Service Provider through the initial consultation period for the scheme. It shall not be taken as a comprehensive specification and it remains the responsibility of the developer to ensure compliance with the full specification.

Following the initial consultation regarding street lighting you should now have the following information or documentation as a minimum and as necessary:

- BCC Development Standard Specification for Street Lighting Works
- Type of area of the Project Network
- Extent of public highway
- Any special considerations such as (but not limited to): -
 - Conservation area
 - Known engineering difficulties
 - CCTV requirements
 - Special column arrangements
 - Required attachments to columns
- As installed information (where possible)
- Colour of paint finish to be applied

Table 1 – Performance Requirements

Areas of The Project Network	Lighting Class	Lamp Ra
City and District Centres which are mixed vehicular and pedestrian areas	CE1	≥60
City and District Centres which are wholly pedestrian	CE2	
City and District Centres which are pedestrian subway areas	CE0	
All other pedestrian subway areas on the Project Network	CE2	

Note: Lighting class as per BS EN 13201.2:2003

All designs shall be undertaken in accordance with Appendix 13/70 -13/72 inclusive where applicable

Where areas are deemed to be 'conflict' areas as set out in the specification, separate calculations shall be supplied to ensure that this areas comply with the relevant standard independently to the remainder of the road.

Due to the various identities within the City and District Centres, the configuration of the lighting shall be advised through the consultation stages with the relevant parties. All lighting units however are required to incorporate fully dimmable equipment which is compatible with the proposed Telensa System and comply with the relevant Standards as detailed in Appendix 13/71

All road lighting units affected by the proposed works shall typically be supplied with a Distribution Network Operator (DNO) TN-C-S type service, unless the existing system forms part of a private electrical network, which all amendments/additions shall be undertaken in accordance with BS 7671. The ordering, programming and payment for any involvement from the relevant statutory undertaker shall also form part of the Developers scope.

Where ducting and associated chambers are required as part of the works, these shall be in accordance with Appendix 5/2

Where equipment is electrically supplied from an affected unit, where possible the private supply shall be transferred to the new unit, if not then the supply shall be replaced in its entirety or the Incoming service from the unit which is being removed shall be transferred in order to maintain the supply. Cable joints are not acceptable.

Where a crossing, either controlled or uncontrolled, is within the affected works this shall be designed in accordance with Appendix 13/72 and unless agreed otherwise with the Authority shall use equipment that matches that of the existing road lighting units.

All lamps shall be marked with the date of installation and all outgoing supplies shall be suitably identified with the destination

All work undertaken shall be electrically tested in accordance with Appendix 14/71

Section A & B of the Birmingham City Council Development Standard Specification for Street Lighting Works details the stages of the process and information that shall be supplied as a minimum. A Health & Safety File shall be compiled and handed over post construction which the contents shall be as detailed in Appendix 14/1 including a special column root configurations and locations and decommissioning information.

Where applicable this guidance shall be read in conjunction with other guidance notes for the following aspects:

Doc Ref	Document Title
DG01	Strategic Route and Main Distributor Network and Secondary Distributor Network
DG02	Link Roads and Local Access Roads including Footpaths and Cycle Tracks
DG04	Illuminated Traffic signs including sign bollards and beacon poles

Note: The Developer may propose alternative equipment but this will be deemed as 'non standard' which the cost of maintaining for the life of the PFI (25 years) shall be borne by the Developer.