

# NEW DEVELOPMENTS

This guide specifically relates to those sites intended for future adoption. The information provided serves the following purposes:

- 1 It sets out the changed processes involved in Street Lighting Work, from design to adoption.
- 2 Introduces a revised equipment specification acceptable for adoption on the Highway.

This leaflet complements the publication 'East Riding of Yorkshire Highway Design Guide' Copies of which are available from the address below:

**Strategic Development Services (Highways)  
Planning and Development Control  
East Riding of Yorkshire Council  
County Hall,  
Beverley,  
HU17 9BA.**

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# STREET LIGHTING & TRAFFIC SIGNALS

## Lighting on New Developments Designed for Adoption



STAGE	PROCESS	COMMENT
1	<b>Developer applies for planning permission</b>	Developer receives Planning permission and is directed to the Director of Corporate Services for Street Lighting requirements. (Section 10 of the 'Design Guide')
2	<b>Developer needs a stamped approved street lighting drawing</b>	<b>Option 1</b> , the lighting layout is designed and approved direct by the Council's lighting engineer; <b>OR Option 2</b> , a lighting layout is drawn up privately and submitted for approval. See note 1
3	<b>Developer receives approved and stamped lighting layout</b>	An approved drawing is needed before any lighting works can commence on site. It is up to the Developer or his appointed consultant to ensure enough time is allowed for this process to be completed. Many problems arise when new residents move in and then discover that a column is being installed outside of their property. <b>To reduce complaints of this nature the Developer or his sales force MUST alert any affected purchaser to lamp column locations.</b>
4	<b>Lighting needs to be installed</b>	<b>Option 1</b> , the Council's workforce are contracted to carry out the installation, <b>OR Option 2</b> , the Developer appoints a private contractor to install the columns to the Council's specification, as detailed in lighting specification requirements overleaf.
5	<b>Installation procedures</b>	<ol style="list-style-type: none"> <li>1. Equipment used must meet the Council's specification.</li> <li>2. Developers Site Agent asks for specific columns to be installed.</li> <li>3. Installer erects columns, fits luminaires (in accordance with stamped approved drawing) and issues Erection Notice (E/N) to Lighting Engineer. See note 2.</li> <li>4. Lighting Engineer checks site for compliance. If satisfied E/N sent to electricity company for programming into its workload prior to connection. If not satisfied then 'snags' have to be dealt with prior to issue of E/N to electricity company.</li> </ol>
6	<b>Pre-adoption period</b>	On connection of the street lights the Council will add the lighting units to its inventory for energy charges. Maintenance of the units in A1 condition prior to formal adoption is the responsibility of the Developer and his sub-contracted installer. Where the Council is the installer then maintenance issues (typically lamps out) will be dealt with direct.
7	<b>Maintenance Period</b>	When the Developer has asked for the site to be placed on maintenance then the lighting engineer will be contacted by the Council's Highway Control team to carry out an inspection and report back. Any defects will be hi-lighted for action by Highway Control & reported back to the developer within the highway inspection report. During this period maintenance responsibilities are as noted above in stage 6
8	<b>Formal adoption</b>	As above a final report will be requested by the Highway Control team from the lighting engineer. Any defects will need to be made good prior to formal adoption. Also where the lamps are more than 2 years old since initial 'switch on', then the Developer at his cost will replace the lamps with new ones.

# NOTES



- 1 The approval process is free, however if a drawing has to be submitted more than 2 times then the 3rd and subsequent checks will be charged for.
- 2 Whilst some Authorities allow the installation contractor to contact the Electricity company direct with an Erection Notice (E/N) to arrange for connection to the mains supply, the East Riding lighting engineer requires that the E/N procedure is processed through the Council. This serves several purposes: it keeps the Council informed on progress which is useful in discussions with new residents, it allows the new data to be added to the inventory for energy charging and it allows us to ensure that the installation contractor holds the requisite G39 certification.
- 3 E/N to include - East Ridings Stamped Approved Drawing Number, Town or Village, Site Name, Road Name or Number.  
  
The detailed drawings shall be at a scale no smaller than 1:500 and will contain as a minimum the following information:
  - a. Proposed column position and number.
  - b. Easting and Northing for column.
  - c. Service details.
  - d. Manufacturer name and model number for each of Column, Lantern and Photocell.
  - e. Details of outreach arm if specified.
  - f. Column specification to endorse compliance with requirements
- 4 A two metre service strip must be provided on A4 roads to accommodate street lights.

# LIGHTING SPECIFICATION REQUIREMENTS

## PART 1 DESIGN REQUIREMENTS

<b>1</b>	<b>General</b>	The following notes are for guidance and details for specific sites may warrant particular treatment as governed by the requirements of the Lighting Engineer. In most cases the lighting layout should be designed to achieve the stated lighting levels as efficiently as possible thereby drawing the minimum energy to achieve the objective. Cognisance should also be given to the reduction of waste and obtrusive light. The location of columns should be as unobtrusive as possible causing the least disruption to any particular resident. In this respect attention is drawn to Part 1 of BS5489-1:2003.- Design of Road Lighting. The lighting levels will be based on the British Standard currently BS EN 13201:2003- Road Lighting and any other criteria that the Lighting Engineer deems to be applicable.
<b>2</b>	<b>Column Locations</b>	All columns will be located within the curtilage of the Highway and to the back edge of footpaths or verges, or at a distance of 1.5m back from kerb face on 'A4' roads, see note 4. Columns, where vehicle access is either not possible or very difficult will be of the hinged type. Special treatment may need to be considered, to light certain features such as pedestrian crossing facilities, traffic calming schemes etc. Sizes of trees and shrubs when mature should be considered in the siting of columns with respect to both operational efficiency and access for future maintenance.
<b>3</b>	<b>Wall Mounted Lights</b>	These will only be considered where the Deeds of the property include for the permanence of such a fixture and the provision of a flat access area to allow for maintenance.
<b>4</b>	<b>Light</b>	The presumption will be to use 'white' light, either HPS, Ceramic Metal Halide or PL. In some cases LPS may be acceptable. Only luminaires from the Lighting Engineers harmonisation chart will be allowed unless special dispensation is given.

## PART 2 EQUIPMENT REQUIREMENTS

<b>1</b>	<b>Columns</b>	The Council has a bespoke specification for columns which is available from the Lighting Engineer. Only columns complying with this specification will be eligible for adoption.
<b>2</b>	<b>Luminaires (inc. Photocells)</b>	To be selected from the Lighting Engineers harmonisation chart. High Frequency gear WILL be used unless unavailable. Lamp switching shall be via a 1 part miniature electronic photocell to a standard equivalent to that of the 'SELC 849-1' cell, maximum power consumption shall not exceed 0.25W. Cells to be guaranteed for a minimum of 6 years
<b>3</b>	<b>Lamps</b>	Lamps accompanying luminaires shall have a minimum 12,000 hour guarantee and output lumen levels (at 100 hours) in accordance with the lighting engineer's specification.
<b>4</b>	<b>Cut-Outs</b>	A double pole isolating unit shall be installed on the Council side of the electricity companies cut out, and shall incorporate a 6A BS 88 fuse.

## PART 3 INFORMATION TO BE SUPPLIED

<b>1</b>	<b>Design and Equipment Specification</b>	The lighting specifier shall show on the design drawing the information shown in Note 3. The lighting design shall state the BS category being designed to and be accompanied by supporting photometric data (in computer format) to show compliance.
<b>2</b>	<b>Nominated Contact</b>	Where the lighting contractor is not the Council's workforce, then a 24hr contact name needs to be provided for maintenance and emergency attendance.
<b>3</b>	<b>Electrical Test Certificate</b>	Columns will not be adopted until a satisfactory test certificate for that column is produced. The format of the test certificate will be as defined in the Council's 'Test Procedure' document. Copies obtainable from the Lighting Engineer.
<b>4</b>	<b>Column Certificate</b>	To ensure compliance with the specification all columns shall be accompanied with signed data sheets.

# YOUR CONTACT

To make contact you can ring **LAMP LIGHTER** or our **HELPLINE** on **0845 600 1666**.

For detailed enquiries one of our engineering staff will be pleased to discuss and advise you on specific issues.

Office hours are:

**Monday to Thursday - 08.00 - 17.00**

**Friday - 08.00 - 16.30**

Alternatively, you can pop into your nearest Customer Service Centre or contact them

**Tel: 01482 393939**

**Fax: 01482 393375**

**Email: [customer.service@eastriding.gov.uk](mailto:customer.service@eastriding.gov.uk)**

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East Riding of Yorkshire Council will, on request, provide this document in braille or large print. If English is not your first language and you would like a translation of this document, please telephone (01482) 393939

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## ENVIRONMENT AND NEIGHBOURHOOD SERVICES STREET LIGHTING AND TRAFFIC SIGNALS TEAM



Lighting for New Developments  
A Developers Guide